

Crawler Crane Grue sur chenilles

LR 1600/2

Technical Data
Caractéristiques techniques

H-Boom Kit



LIEBHERR

Courtesy of Crane.Market

LR 1600/2

LIEBHERR

Table of content

Tables des matières

Technical Data · Caractéristiques technique

Technical description · Description techniques	
Dimensions · Encombrement	
Winches, Working speeds, Hook blocks, Reeving chart Treuls, Vitesses, Moufles à crochet, Tableau de mouflage	A
Transportation plan · Plan de transport	
Boom/jib combinations · Configurations de flèche	
SL	B
HSLDB/B2/BW	C
HSL2DB/B2/BW	D
S	E
HSDB/B2/BW	F
SW	G
HSDWB/B2/BW	H
HSDWVB/B2/BW	I
SWF	J
SLF	K
HSL2DFB/B2/BW	L
SL3F	M
HSL4DFB/B2/BW	N
SL10DFB/B2	O
SL13DFB/B2	P
Description of symbols · Explication des symboles	Q
Remarks · Remarques	

Technical description

Description techniques

A

Max. capacity	1322 kips at 39 ft radius HSDB – System with HS 138 ft.
Max. load moment	64.094.150 lbs-ft – 870 kips at 72 ft radius. HSDB2 – System with HS 138 ft

Crawler travel gear

Crawler chassis	Liebherr crawler chassis consisting of one centre section and two crawler carriers with crawler plates 4'11" (optional 6'7") and quadruple drive.
Central ballast	2 brackets 5500 lbs each. Total central ballast 143300 lbs. 6 ballast plates 22050 lbs each (option).

Crane superstructure

Superstructure frame	Liebherr-slewing platform frame, consisting of slewing platform with winch IV and removable A-frame, connected to the centre section by a roller slewing bearing.
Crane engine with sound insulation	6-cylinder diesel engine, make Liebherr, type D946 A7, water cooled, rated power 400 kW (544 HP) at 1900 rpm, max torque 1856 lbs-ft at 1300 rpm. Fuel tank approx. 314 gallons, exhaust emission according to directive 97/68/EG and EPA/CARB.
Winch I	Standard hoist drum, hydraulically driven by axial-piston swivel pumps with integrated planetary gear.
Winch IV	Boom hoist.
Reeving winch	Auxiliary winch for the reeving of ropes.
Slewing gear	1 slewing gear, hydraulically powered by axial-piston swivel pump, with integrated planetary gear.
Crane cabin	Air conditioned crane cabin tiltable to the rear with safety glazing, heat insulating glass, roof window with bullet proof glass, standardized control units ergonomically positioned. Additional thermostatically controlled hot water heating.
Crane control	Setting of configuration data by convenient interactive functions. All crane movements are initiated by means of two 4-way joystick hand levers and two 2-way hand/foot levers. All working movements are independently controllable.
Safety devices	Hoist limit switch. Safety valves against hose and pipe rupture. Drum switch limit at 3 rest layers. Wind speed gauge. Electronic inclination indicator. Aircraft warning control light.
Camera observation	2 colour-screens, 3 cameras for winches and rear area.
Counterweight	2 brackets 11025 lbs each. Total counterweight at superstructure 418950 lbs. 18 ballast plates 22050 lbs each (option).

Boom system

Main boom HS	System 2825 with head section for max. 1322774 lbs load capacity. Boom length S 79 – S 315 ft. Boom length HSDB 118 – HSDB 472 ft with derrick system.
Lattice type luffing fly jib W	System 2420 with head section for max. 1322774 lbs load capacity. Luffing jib lengths 79 – 315 ft. Winch V is needed for all luffing jib operations.
Fixed lattice fly jib F	System 1916 with head section for max. capacity of 302000 lbs, attachable at 10°, 15° and 30°, jib lengths F 39 – F 118 ft.
Derrick system D	System 2420 including guy rods. Winch III is needed for all derrick operations. Length 98 ft/118 ft.
Counterweight frame B	For max. derrick counterweight of 771600 lbs, for infinitely variable radius from 33 – 59 ft.
Counterweight trailer BW	For max. derrick counterweight of 771600 lbs at max. radius of 59 ft, infinitely variable radii from 43 – 59 ft.
Derrick-counterweight	Plates for a total of 771600 lbs.
Heavy duty jib WV	Using existing parts of main boom and luffing jib. Mountable on S-main boom; tiltable between 12° and 20°. Length 39 – 315 ft.
Winch II	Second hoist winch.
Winch III	Reeving main boom / Derrick operation.
Winch V	Luffing for W-jib configuration.
Winch VI	Auxiliary hoist gear.
Whip line 79365 lbs	To be mounted on the S, SL, W, WV-boom head.

Additional equipment

Mechanical outriggers	For erection of long boom combinations without derrick-counterweight.
Hydraulic assembly jacks	Lifting of the basic machine for assembly/disassembly. Consisting of 4 lifting cylinders with supporting plates, installed on the centre part.
Hydraulic assembly cylinder	For assembly/disassembly of the crawler carrier by the crane itself.
Pin pulling device	Including mobile hydraulic aggregate. For assembly/disassembly of the pins at S and W intermediate sections.

Other items of equipment available on request.
Standard equipment and options according to effective price list.

Technical description Description techniques

Capacité max.	1322 kips pour une portée de 39 ft. Système HSDB avec HS 138 ft.
Couple de charge max.	64.094.150 lbs-ft – 870 kips pour une portée de 72 ft. Système HSDB2 avec HS 138 ft.

Train de chenilles

Mécanisme de translation	Le train de chenilles Liebherr est composé d'une partie centrale et de deux longerons avec patins de chenilles 4'11" (en option 6'7") et un entraînement à 4 positions.
Contrepoids central	2 consoles de 5500 lbs. Contrepoids central total 143300 lbs. 6 plaques de lest de 22050 lbs (option).

Partie tournante

Cadre de la partie tournante	Le cadre de la partie tournante Liebherr est composé de la partie tournante avec treuil IV et du chevalet démontable A, il est relié à la partie centrale du train de roulement par une couronne d'orientation à rouleaux.
Moteur de la grue avec isolation phonique	Diesel Liebherr 6 cylindres, type D946 A7, refroidissement par eau, puissance 400 kW (544 PS) à 1900 rpm, couple de rotation max. 1856 lbs-ft à 1300 rpm. Réservoir de carburant: env. 314 gallons. Emissions polluantes conformes aux normes 97/68/EG et EPA/CARB.
Treuil I	Treuil de levage standard, il est entraîné hydrauliquement par des pompes à débit variable à pistons axiaux avec réducteur planétaire intégré.
Treuil IV	Mécanisme de relevage.
Treuil de mouflage	Treuil auxiliaire pour le mouflage des câbles.
Mécanisme d'orientation	1 mécanisme d'orientation, il est entraîné hydrauliquement par des pompes à débit variable à pistons axiaux avec réducteur planétaire intégré.
Cabine du grutier	La cabine du grutier est climatisée, inclinable vers l'arrière, possède un vitrage de sécurité, un vitrage isolant thermiquement, une fenêtre de toit en verre blindé, des unités de commande normalisées disposées de façon ergonomique. Chauffage d'appoint et chauffage de l'eau régulé thermostatiquement.
Commande de la grue	Entrée des données de configuration par des fonctions interactives simples. Tous les mouvements de la grue sont commandés par deux manipulateurs à 4 voies et deux pédale/levier à 2 voies. Tous les mouvements de travail peuvent être commandés indépendamment.
Dispositifs de sécurité	Interrupteur de fin de course. Clapets de sécurité contre les ruptures de tuyaux et de flexibles. Coupure de fin de course du tambour avec 3 enroulements de sécurité. Anémomètre de sécurité. Inclinomètre électronique. Balise aérienne.

Contrôle vidéo	2 écrans couleur, 3 caméras pour la zone de treuils et la partie arrière.
Contrepoids	2 consoles de 11025 lbs chacune. Contrepoids total 418950 lbs. 18 plaques de lest à 22050 lbs (option).

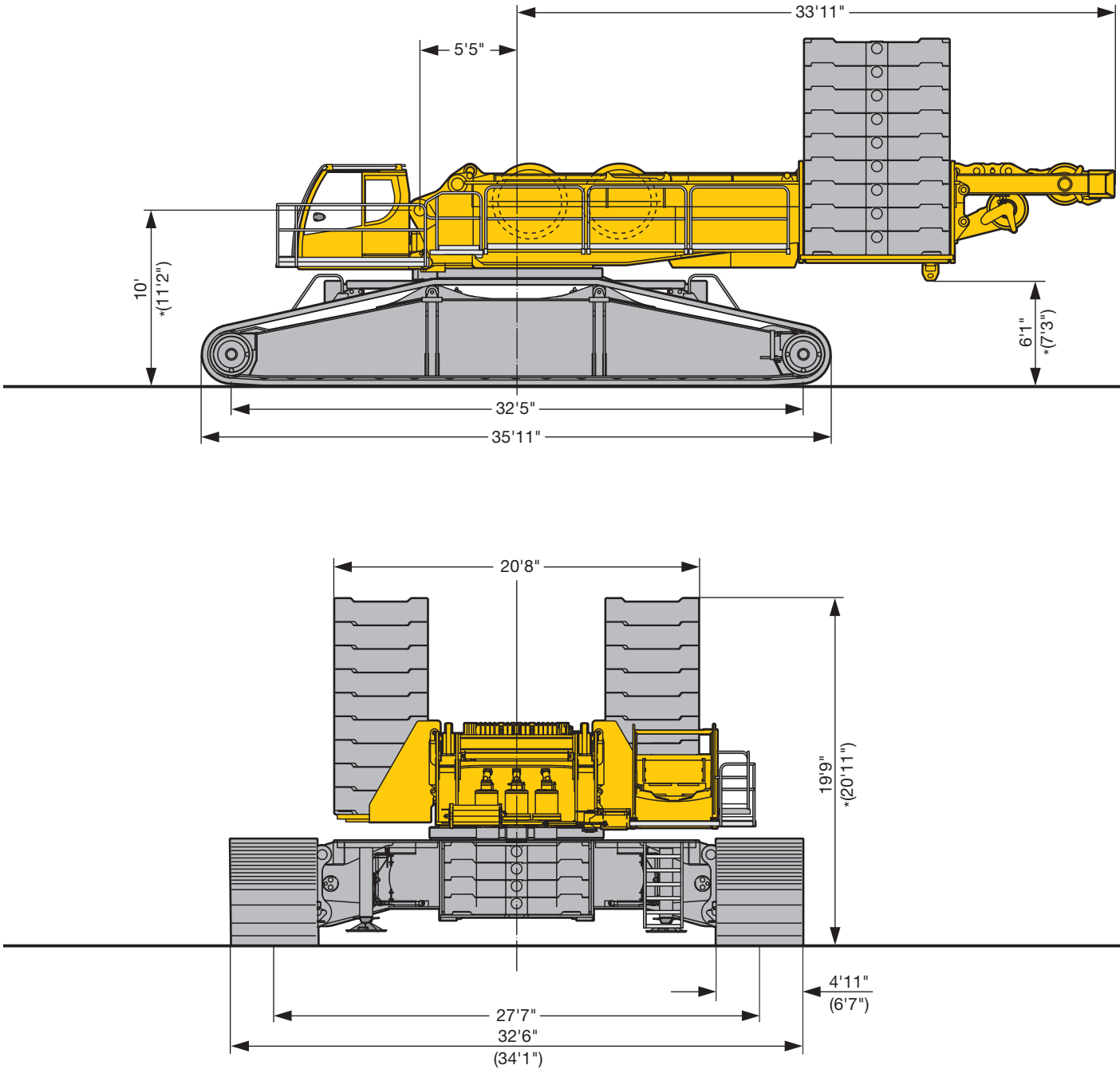
Système de flèche

Flèche principale HS	Système 2825 avec élément de tête pour une capacité max. de 1322774 lbs. Longueur de la flèche S 79 – S 315 ft. Longueur de la flèche HSDB 118 – HSDB 472 ft avec système derrick.
Fléchette treillis à volée variable W	Système 2420 avec élément de tête pour une capacité max. de 1322774 lbs. Longueurs de flèche treillis 79 – 315 ft. Le treuil V est nécessaire pour fonctionnement fléchette treillis.
Fléchette treillis fixe F	Système 1916 avec élément de tête pour une capacité max. de 302000 lbs, montage possible sous 10°, 15° et 30°. Longueurs de flèche F 39 – F 118 ft.
Système derrick D	Le système 2420 comprend des tirants. Le treuil III est nécessaire au mode derrick. Longueur 98 ft/118 ft.
Palette de lest B	Pour un contrepoids derrick max. de 771600 lbs et rayons variables progressivement de 33 – 59 ft.
Remorque à contrepoids BW	Pour un contrepoids derrick max. de 771600 lbs pour un rayon max. de 59 ft, pour des rayons variables progressivement de 43 – 59 ft.
Contrepoids derrick	Plaques de poids total de 771600 lbs.
Fléchette pour charge lourde WV	Utilisation des parties disponibles de la flèche principale et de la fléchette treillis. Montage possible au niveau de la flèche S entre 12° et 20°. Longueur 39 – 315 ft.
Treuil II	2. treuil de levage.
Treuil III	Réglage flèche principale/mode derrick.
Treuil V	Réglage fléchette treillis à volée variable.
Treuil VI	Treuil de levage auxiliaire.
Poulie en extrémité de mât 79365 lbs	Elle sert au montage au niveau de la tête S, SL, W, WV.

Équipement additionnel

Stabilisateur additionnel mécanique	Il sert au relevage de longues combinaisons de flèche sans contrepoids derrick.
Stabilisateurs hydrauliques de montage	Ils soulèvent l'engin de base pour le montage/démontage. Ils sont constitués de 4 vérins de calage dont les patins de calage montés sur l'élément central.
Vérin hydraulique de montage	Pour le montage autonome/démontage du train de chenilles.
Dispositif d'extraction des axes	Il est constitué du composant hydraulique mobile. Il sert à l'insertion et l'extraction d'axes des éléments intermédiaires S et W.

D'autres équipements additionnels sont disponibles sur demande. Les équipements de série et les options correspondent à la liste de prix actuelle.

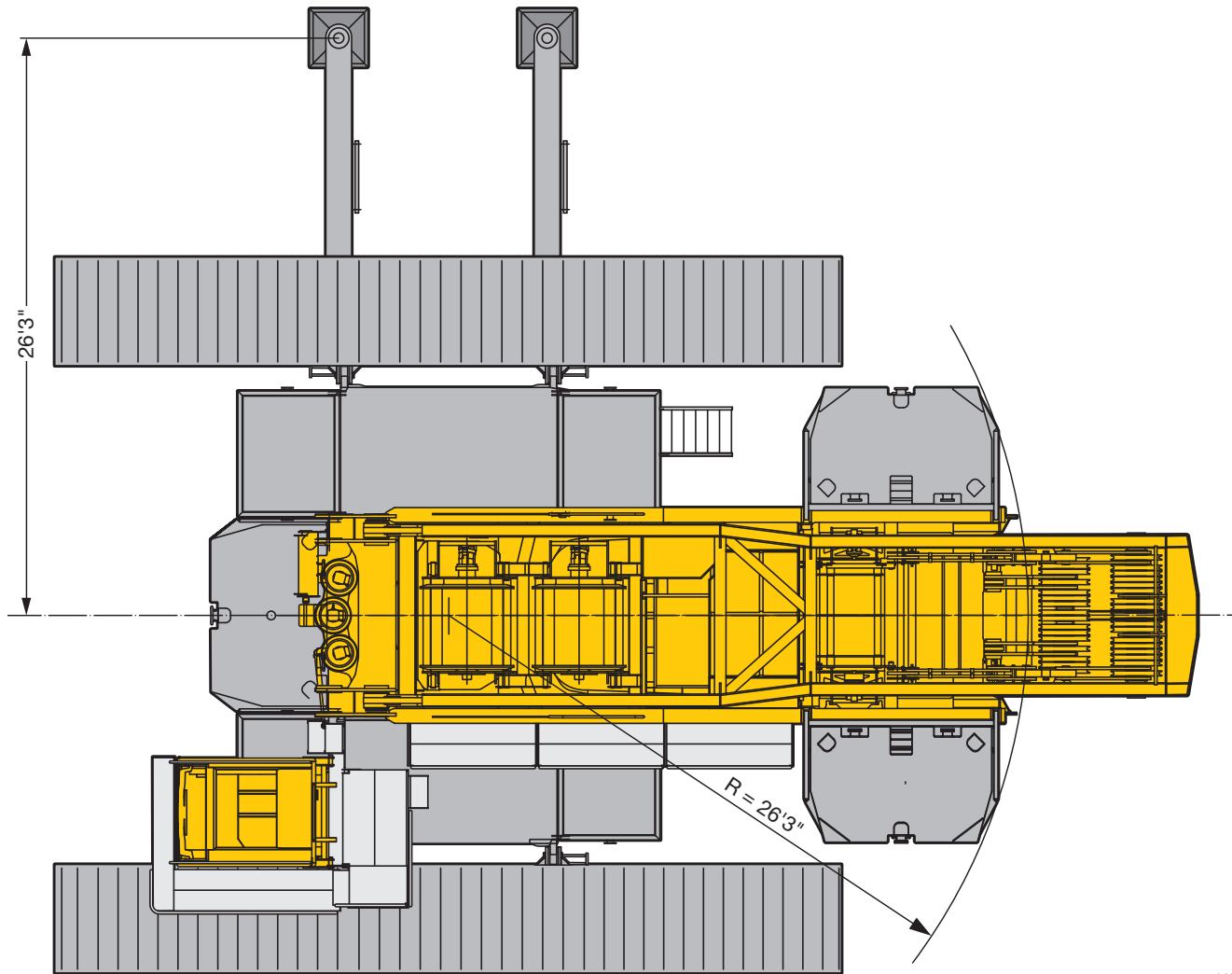


* Quick Connection / Raccord rapide

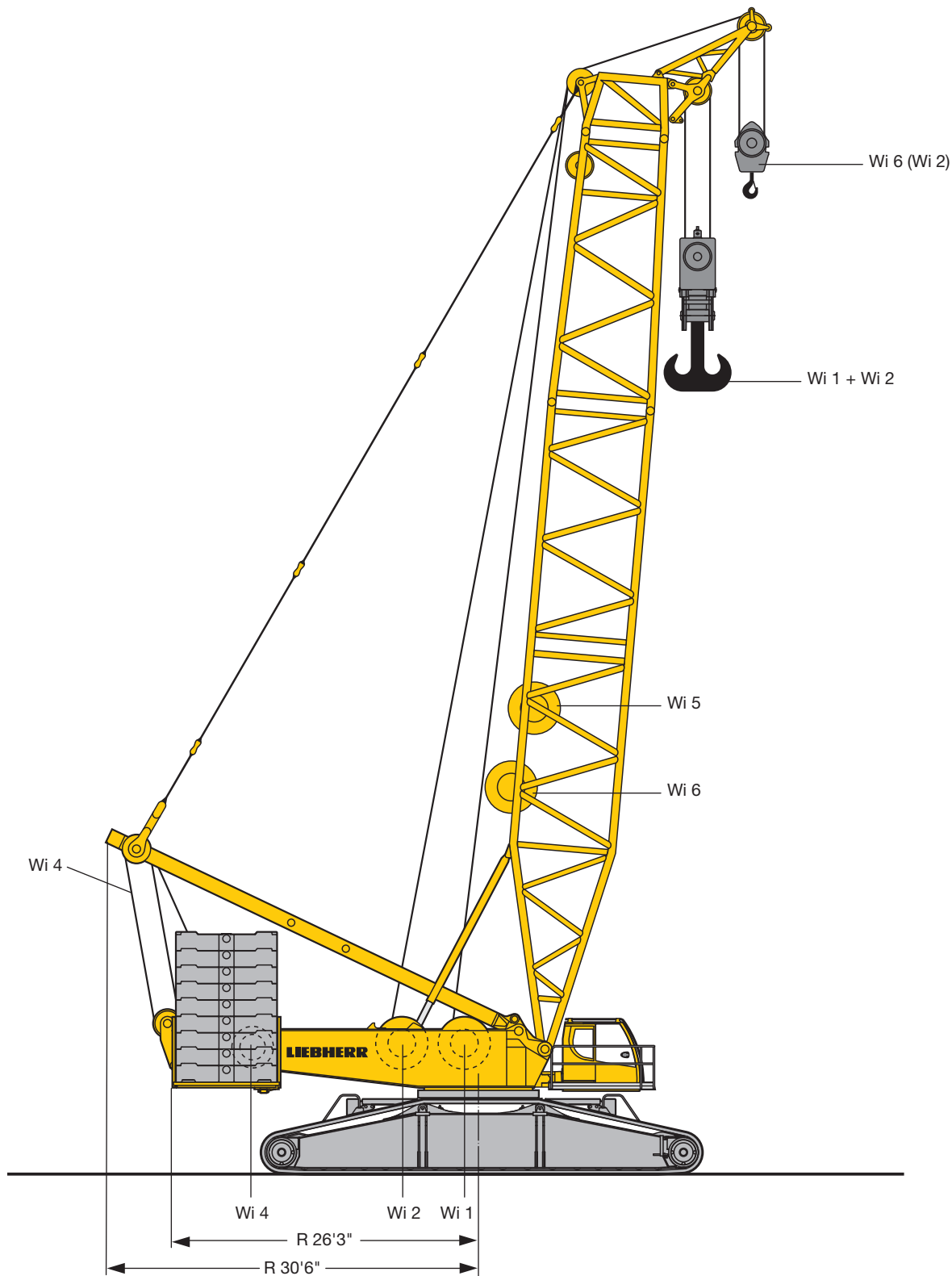
US2210.01

A

Dimensions Encombrement

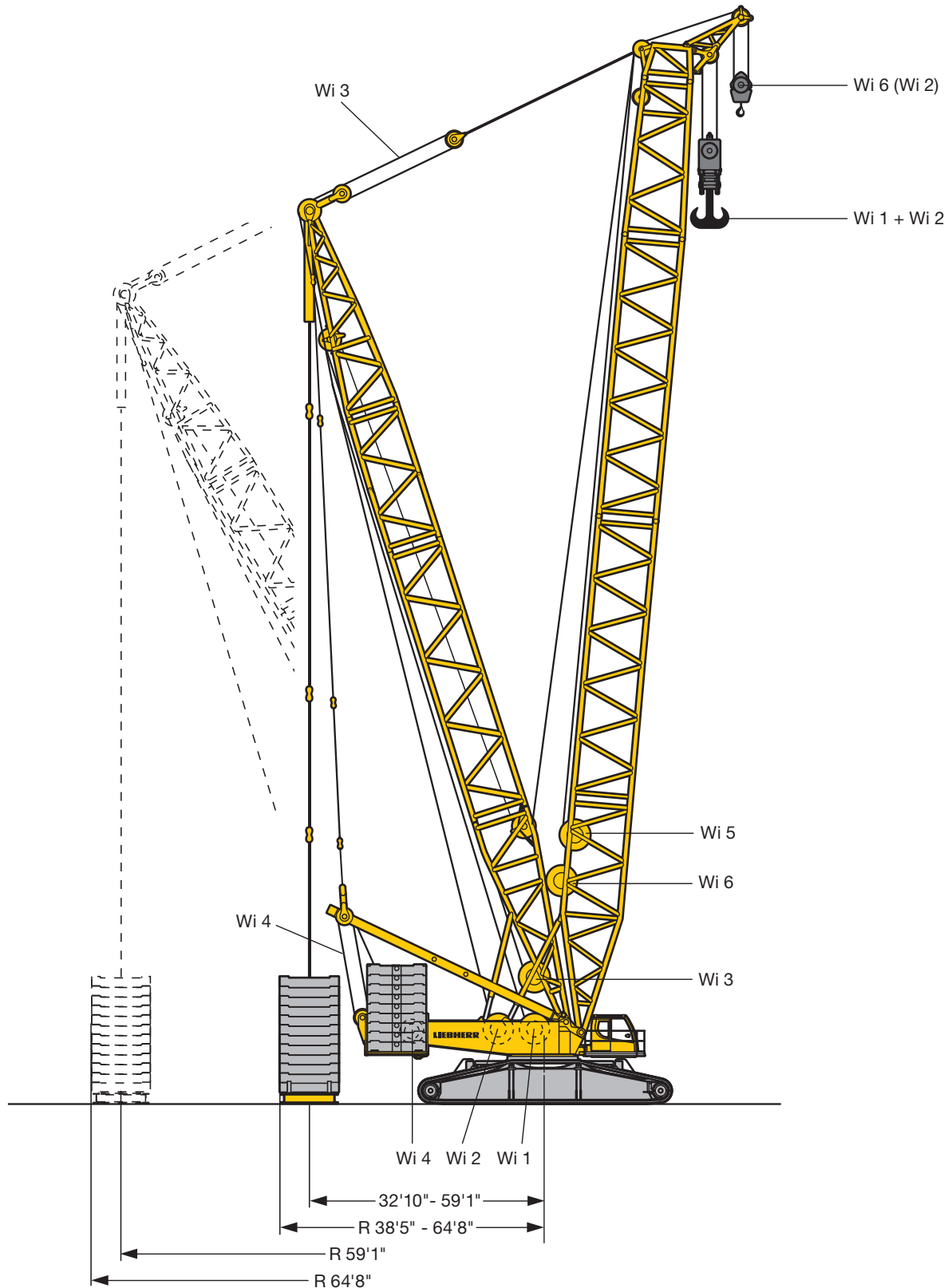


US 2211.01

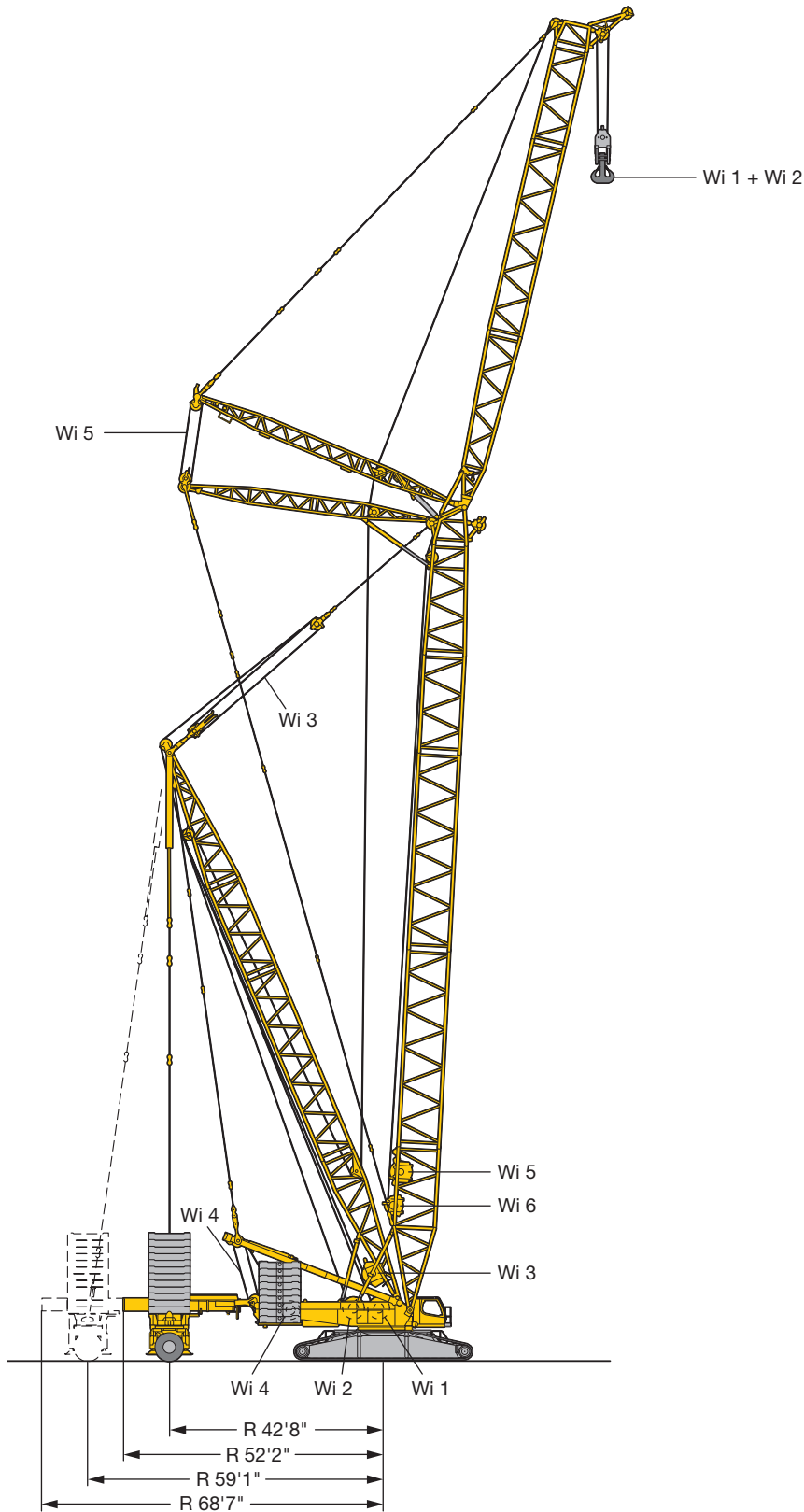


US2212

Dimensions Encombrement



US2213.01



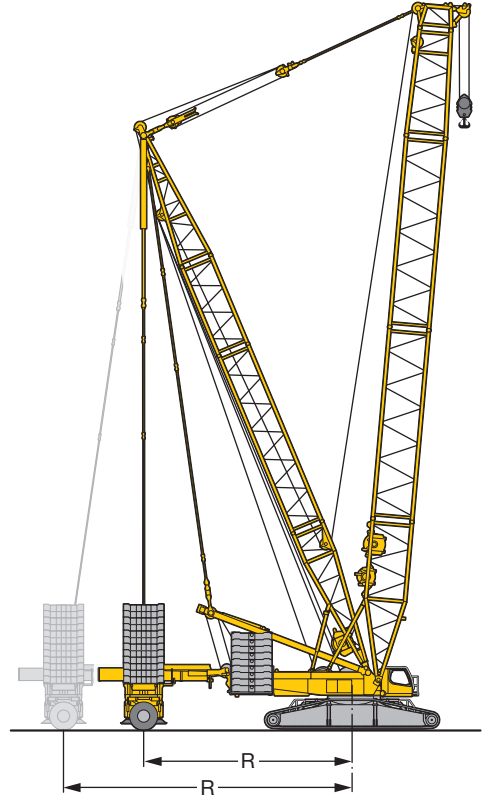
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Dimensions Encombrement

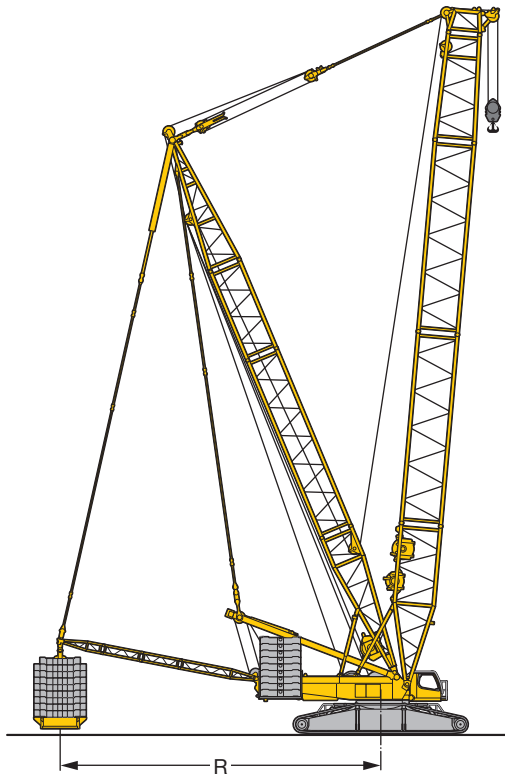
B $\triangleq$ R 32.8 ft - 59 ft



BW $\triangleq$ R 42.7 ft - 59 ft



B2 $\triangleq$ R 49.2 ft - 57.4 ft - 65.6 ft



US2819

Winches Treuils

A

Drive Mécanismes	Working speeds Vitesses	Max. single line pull Effort au brin maxi.	Rope diameter / length Diamètre / Longueur du câble
	0 – 436 ft/min	39700 lbs	1.1" / 3609 ft
	0 – 436 ft/min	39700 lbs	1.1" / 3609 ft
	0 – 427 ft/min		
	0 – 2 x 256 ft/min		
	0 – 436 ft/min		
	0 – 449 ft/min	27560 lbs	0.98" / 1970 ft

Working speeds Vitesses

	Slewing speeds Vitesses d'orientation	0 - 0.95 rpm
	Travel speeds Vitesses de translation	0 - 0.95 mph

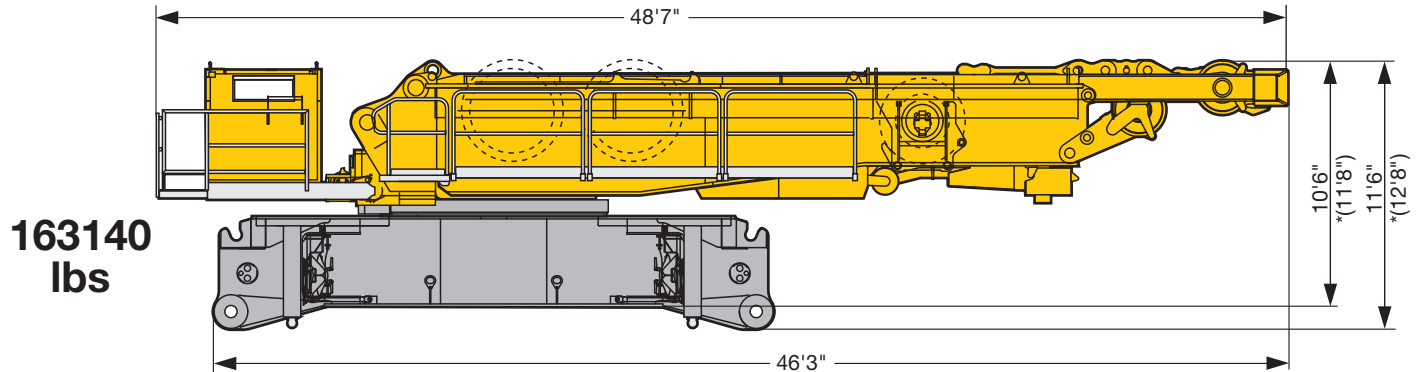
Hook blocks Moufles à crochet



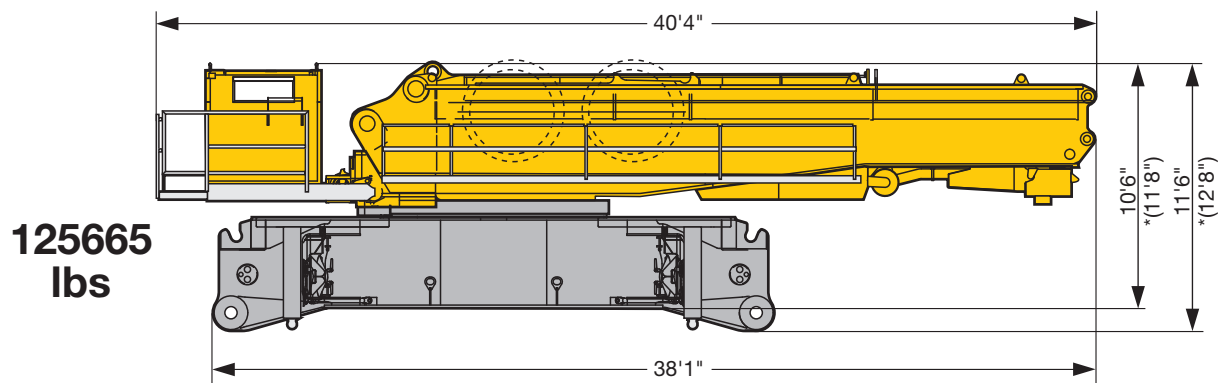
Load kips Forces de levage kips	Rope diameter Diamètre du câble	No. of sheaves Poulies	No. of lines Brins	Weight lbs Poids lbs
1320 / 660	1"	2 x 9	2 x 19	24250 – 35300 / 18750
790 / 395	1"	2 x 5	2 x 11	13300 – 24250 / 11025 – 15430
395	1"	5	11	4400 – 15430
265	1"	3	7	3300 – 12125
110	1"	1	3	2200 – 6600
35	1"	–	1	2425

Transportation plan Plan de transport

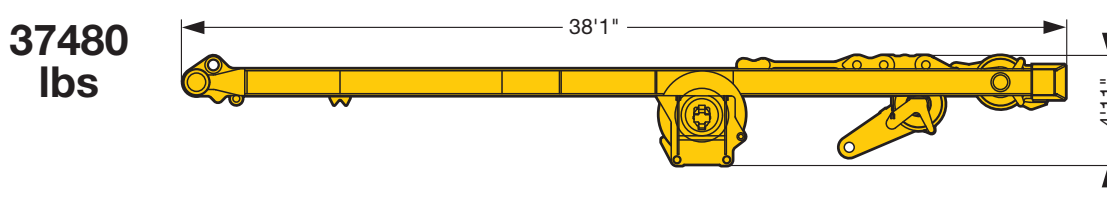
Superstructure and crawler center section with SA-frame, winch 4, with assembly jacks
Partie tournante et partie centrale du porteur avec chevalet SA, treuil 4, avec vérins de montage



Superstructure and crawler center section, assembly jacks
Partie tournante et partie centrale du porteur, vérins de montage



SA-frame, winch 4 incl. rope and pulley block
Chevalet SA, treuil 4 incl. câble et bloc de poulies



* Quick Connection / Raccord rapide

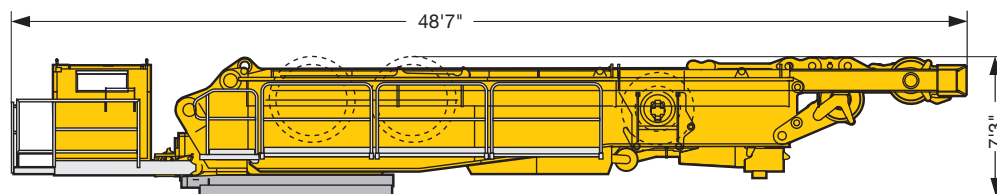
US2214

Transportation plan Plan de transport

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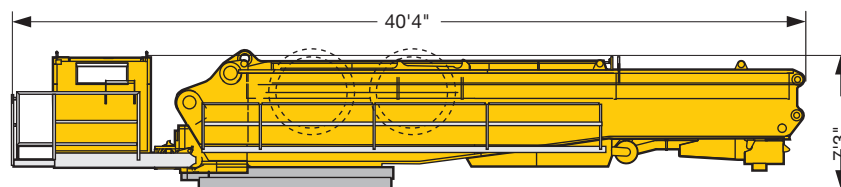
Superstructure with SA-frame, winch 4, quick connection
Partie tournante avec chevalet SA, treuil 4, quick connection

110250 lbs



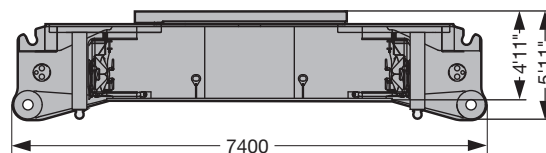
Superstructure with quick connection
Partie tournante avec quick connection

72750 lbs



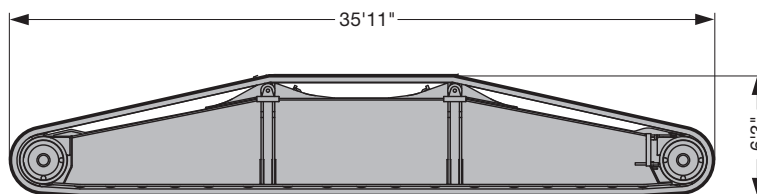
Crawler center section with assembly jacks, quick connection
Partie centrale du porteur avec vérins de montage, quick connection

59525 lbs



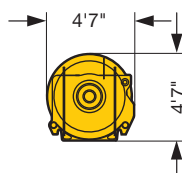
Crawler with track pads 4'11" (6'7")
Chenille avec pains de chenille de 4'11" (6'7")

**72750 lbs
(2 x 83775 lbs)**



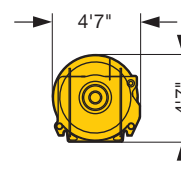
Winch 1 incl. rope
Treuil 1 incl. câble

16550 lbs



Winch 2 incl. rope
Treuil 2 incl. câble

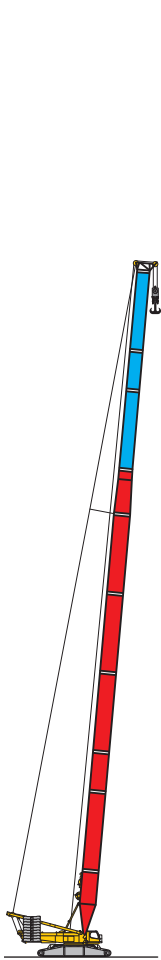
16550 lbs



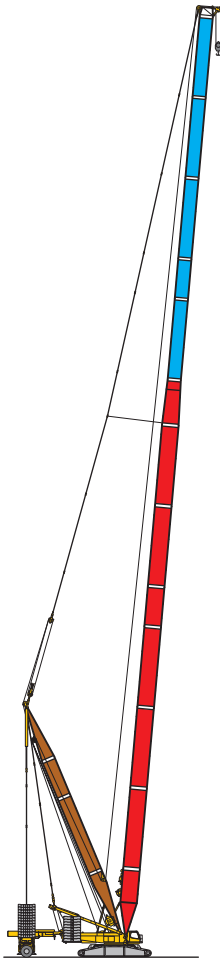
US2217.01

Boom/jib combinations Configurations de flèche

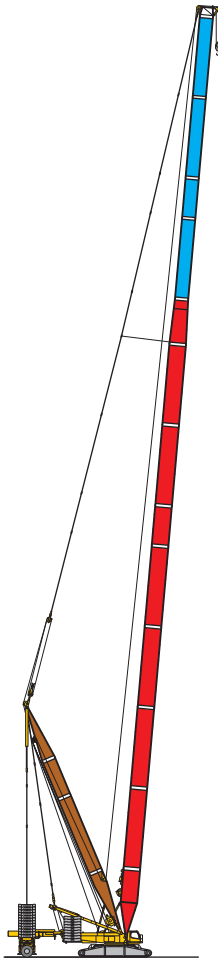
- | | | | | | |
|-----------|--|----------|---|----------|--|
| S | Main boom, heavy
Flèche principale, lourde | D | Derrick
Flèche derrick | F | Lattice fly jib
Fléchette treillis fixe |
| SL | Main boom, heavy/light
Flèche principale, lourde/légère | W | Luffing fly jib, heavy
Fléchette, lourde | B | Suspended ballast
Lest suspendu |



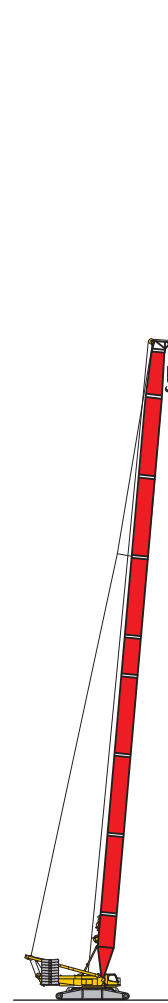
SL
177 ft - 335 ft



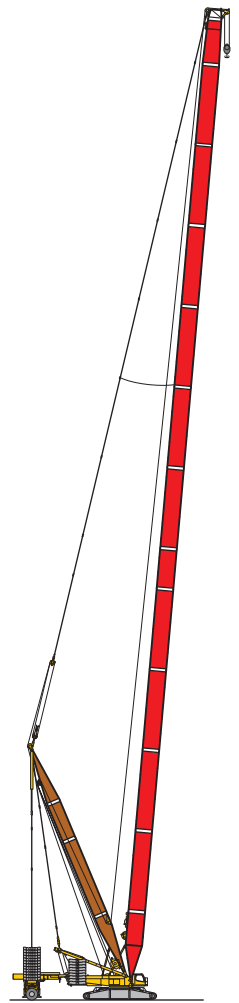
HSLDB/BW/B2
HSL 177 ft - 453 ft
D 118 ft



HSL2DB/BW/B2
HSL2 236 ft - 453 ft
D 118 ft



S
79 ft - 315 ft



HSDB/BW/B2
HS 138 ft - 473 ft
D 98 ft - 118 ft

US2847.01



B



C



D



E



F

Boom/jib combinations Configurations de flèche

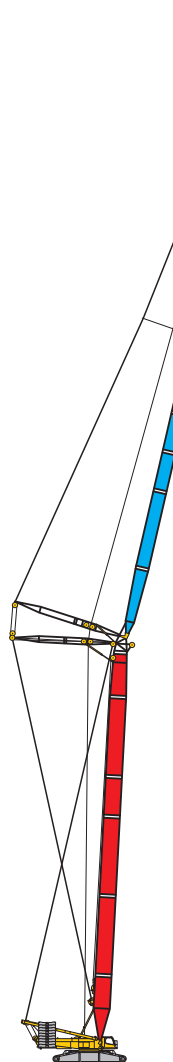
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BW Ballast trailer
Porteur de lest

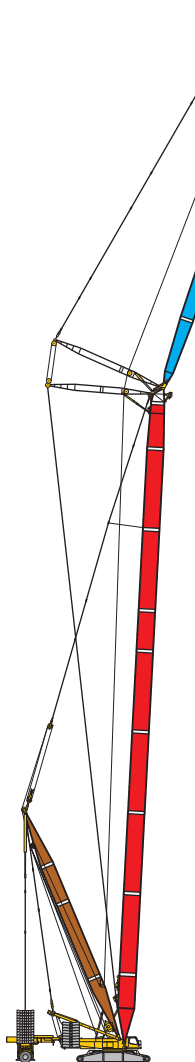
B2 Guiding frame floating ballast
Cadre de guidage du contrepois suspendu

S 2825
LI 2420
F 1916
D 2420

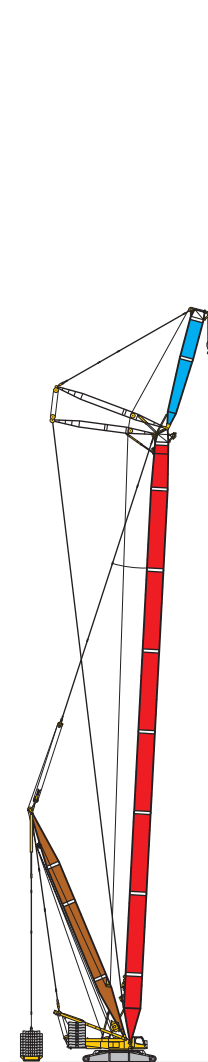
SW 600 t
F 137 t



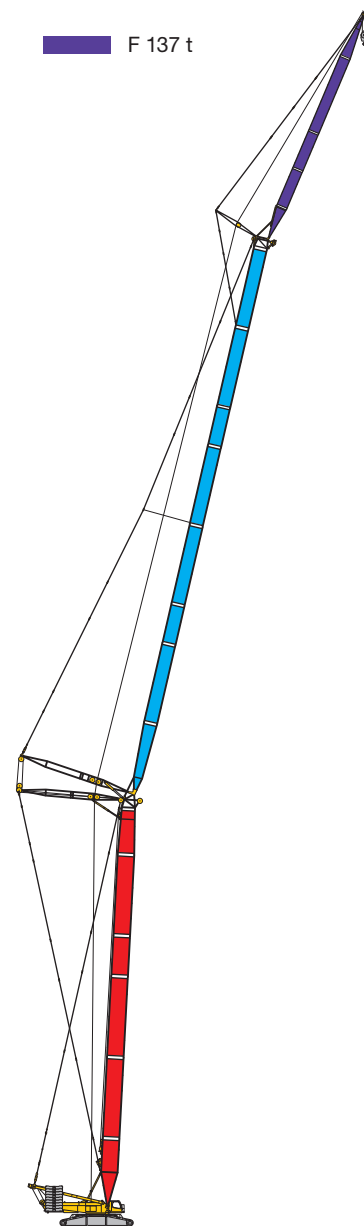
SW
S 118 ft - 217 ft
W 79 ft - 315 ft



HSDWB/BW/B2
HS 138 ft - 335 ft
W 79 ft - 315 ft
D 98 ft - 118 ft



HSDWVB/BW/B2
HS 138 ft - 335 ft
WV 39 ft - 315 ft
D 98 ft - 118 ft

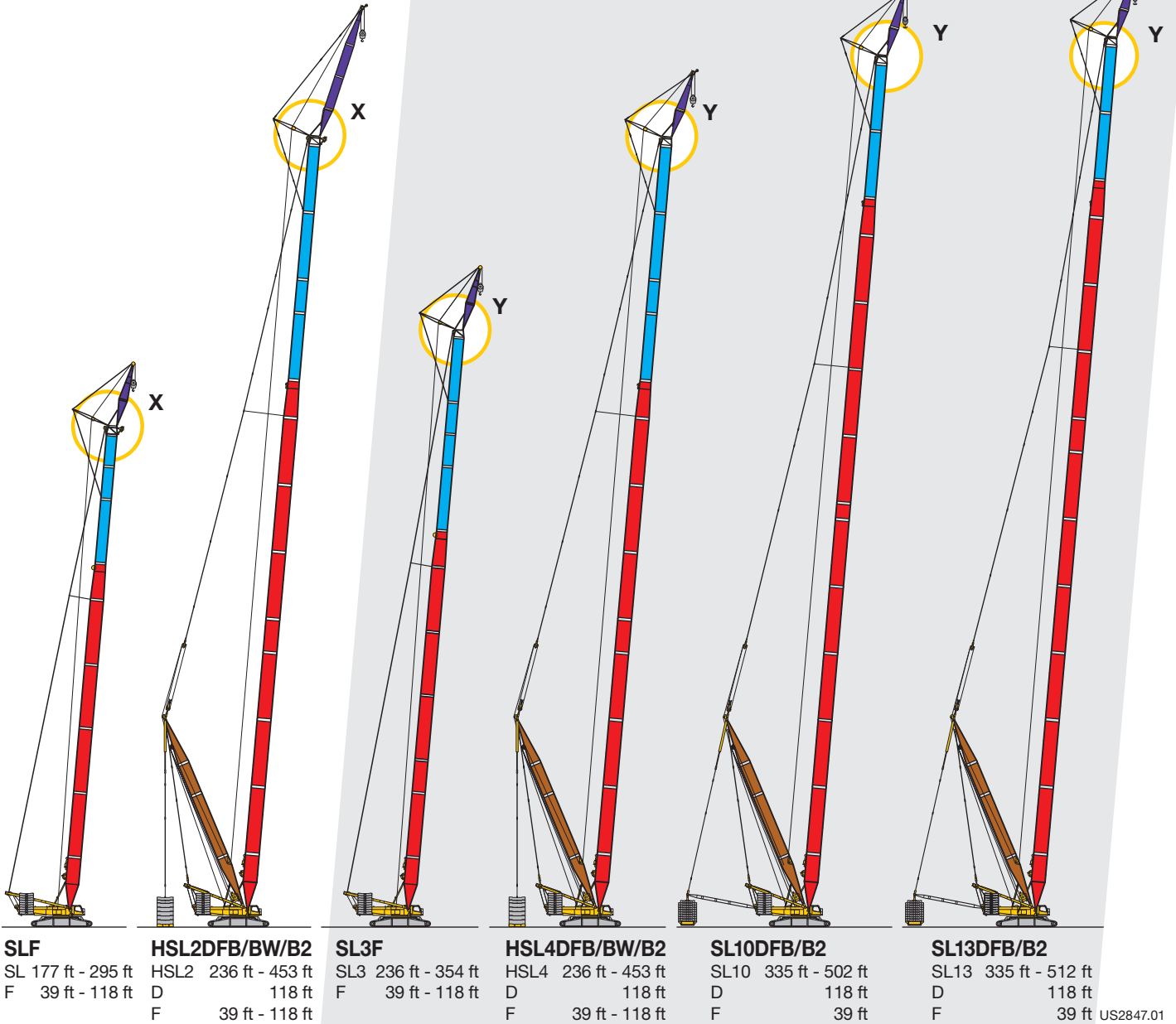
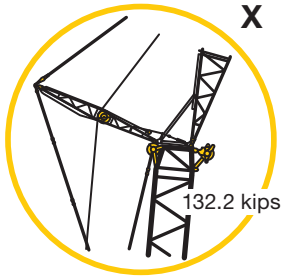


SWF
S 138 ft - 197 ft
W 157 ft - 276 ft
F 39 ft - 118 ft

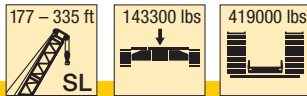
US2847.01



Boom/jib combinations Configurations de flèche

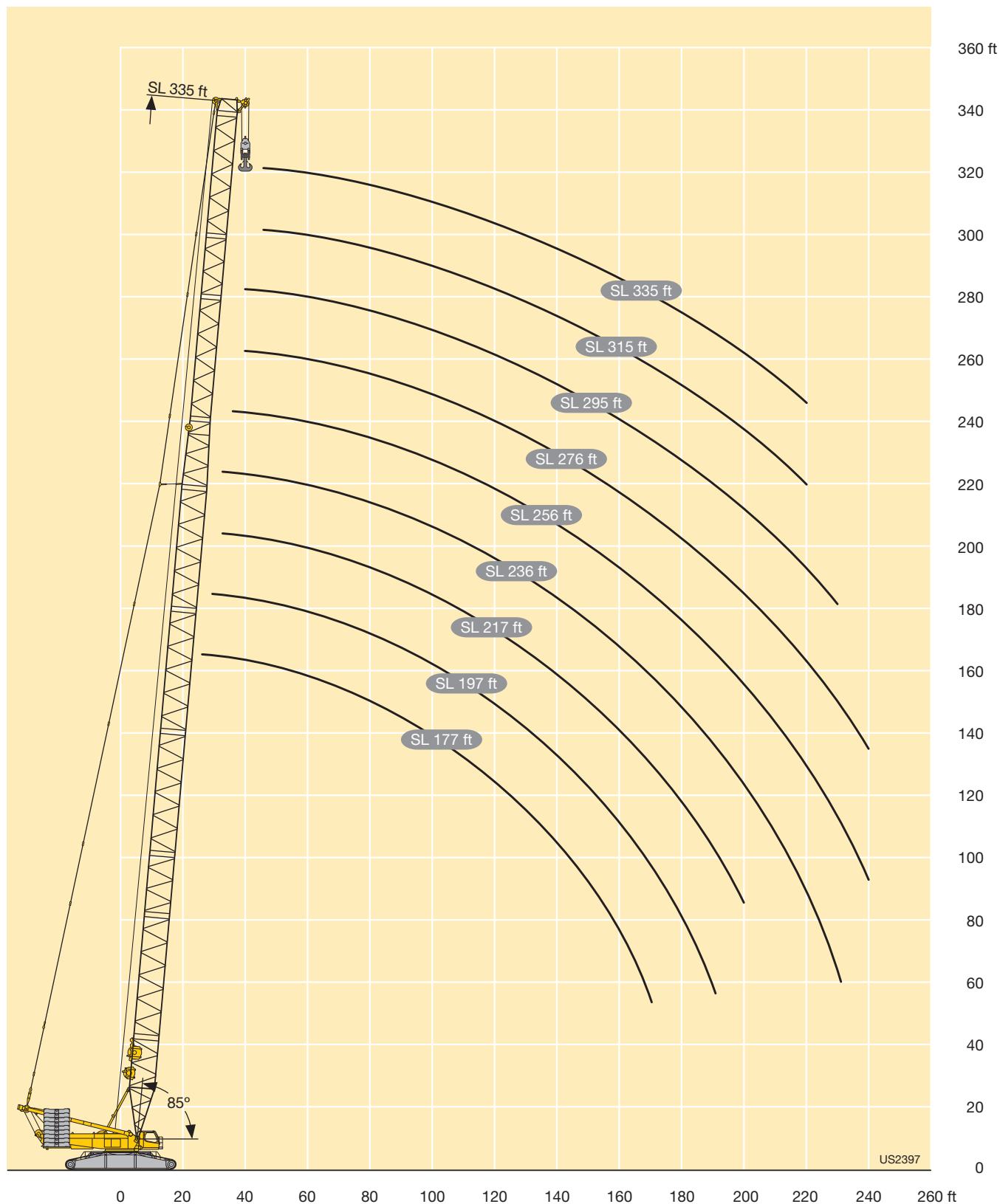


K L M N O P



 ft	SL 177	SL 197	SL 217	SL 236	SL 256	SL 276	SL 295	SL 315	SL 335	 ft
26	679									26
28	679									28
30	679	657								30
32	679	656	620	572						32
34	665	643	612	567						34
36	641	622	598	559	521					36
38	605	585	563	535	509					38
40	569	549	529	510	493	456	419			40
45	492	476	459	444	431	410	379	343	314	45
50	429	419	404	391	381	367	346	320	295	50
55	374	369	359	347	339	328	315	295	273	55
60	327	325	320	311	304	294	285	273	254	60
65	290	288	285	280	274	266	257	250	237	65
70	260	258	255	253	250	242	234	227	220	70
75	235	232	230	228	227	220	213	207	202	75
80	213	211	208	206	205	201	195	189	185	80
85	194	192	189	187	187	184	178	173	169	85
90	178	176	173	171	171	168	164	160	156	90
95	165	162	159	157	157	154	151	147	143	95
100	152	150	146	144	144	142	139	136	132	100
105	141	138	135	133	133	130	128	125	122	105
110	131	129	125	123	123	121	118	116	113	110
115	123	120	117	115	114	112	109	108	104	115
120	115	112	109	106	106	103	101	99.5	96.5	120
125	107	105	101	99	98.5	96	93.5	92	89.5	125
130	101	98	94.5	92.5	92	89.5	86.5	85	83	130
135	95	92	88.5	86.5	86	83.5	80.5	79	77	135
140	89.5	86.5	83	81	80.5	77.5	74.5	73	71	140
150	79.5	76.5	73	70.5	70	67	64	62	60.5	150
160	71.5	68	64	61.5	60.5	57.6	54.4	52.4	50.9	160
170	64	60.5	56.2	53.4	52.6	49.5	46.2	44.1	42.6	170
180		53.8	49.5	46.6	45.7	42.5	39.3	37.1	35.5	180
190		47.9	43.5	40.5	39.5	36.3	33	30.8	29.2	190
200			38.2	35.1	34	30.8	27.4	25.1	23.5	200
210				30.2	29.1	25.8	22.4	20.1	18.3	210
220				26.1	24.8	21.5	18	15.6	13.8	220
230				22.5	21	17.6	14.1			230
240					17.5	14				240

TAB 181018



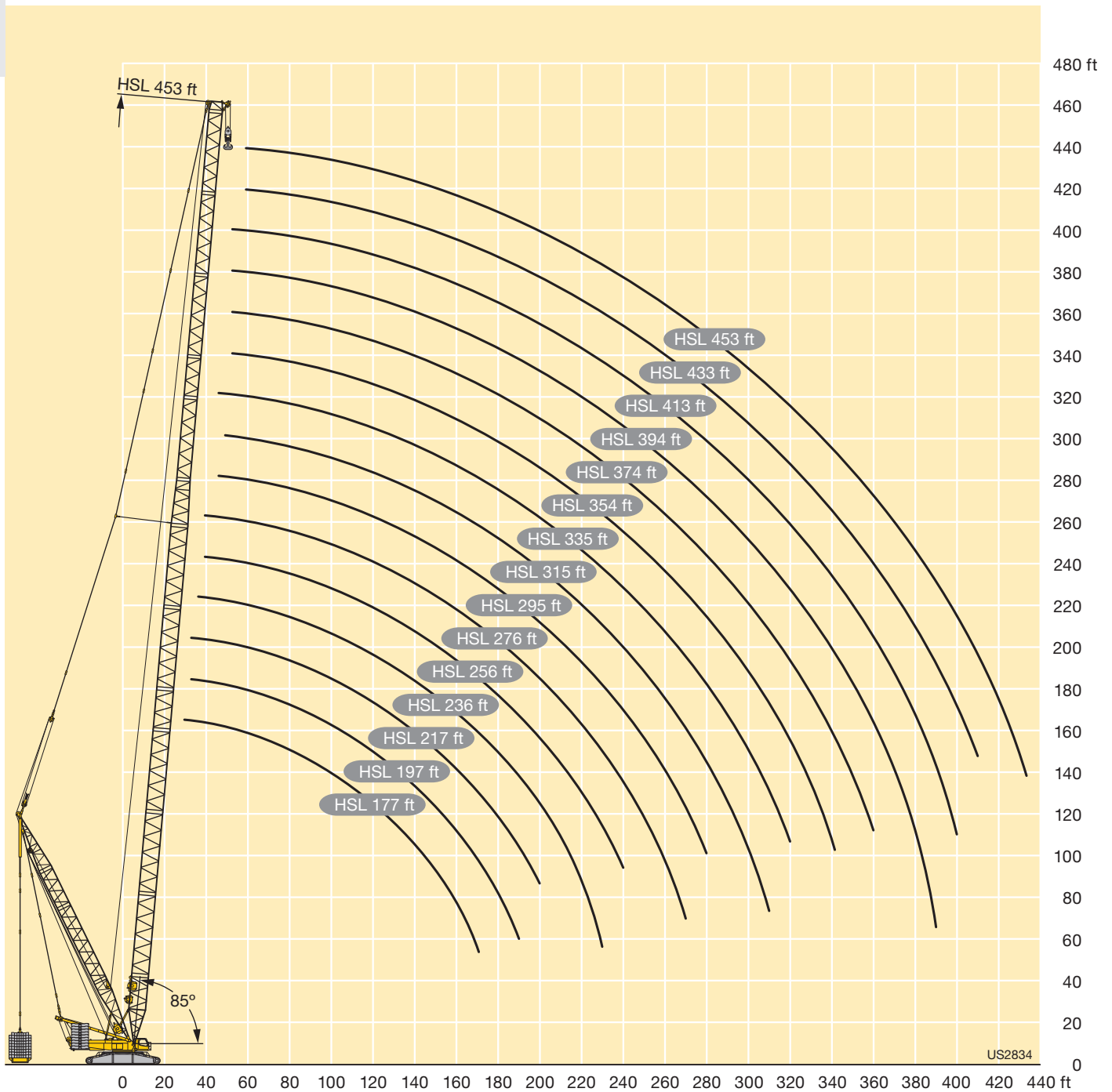
		 177 – 453 ft HSL	 118 ft D	 143300 lbs	 331000 lbs	 B B2 BW	 550000 – 771000 lbs 331000 – 550000 lbs 0 – 331000 lbs 0 lbs										
ft		HSL 177 – 453															
		177	197	217	236	256	276	295	315	335	354	374	394	413	433	453	
30	– B B2 BW	670 676 675 675															
32	– B B2 BW	654 677 677 677	617 673 594 629	659													
34	– B B2 BW	623 679 678 679	595 673 669 672	667 661 662													
36	– B B2 BW	583 680 679 681	557 672 671 673	532 668 663 663	510 645 490 642												
38	– B B2 BW	549 682 681 683	525 674 673 674	504 669 665 665	484 647 648 647												
40	– B B2 BW	517 684 683 685	496 676 675 676	476 670 667 667	458 647 649 648	443 600 601 601	426 572 572 572										
45	– B B2 BW	451 687 689 691	434 681 681 682	418 671 673 673	403 645 653 653	390 604 604 604	376 576 576 576	354 533 501 534	339 496 483 491	331 436 439 440							
50	– B B2 BW	399 694 696 696	385 685 687 688	371 675 679 678	358 650 659 659	348 605 608 608	336 572 579 579	324 533 536 536	310 497 498 497	304 429 432 433							
55	– B B2 BW	356 697 699 698	343 690 693 694	331 677 684 684	320 647 659 659	312 607 613 613	301 573 582 583	292 533 539 538	279 493 498 497	274 423 423 424	266 349 341 341	254 359 350 350	247 307 297 297	220 264 256			
60	– B B2 BW	320 694 699 696	308 694 696 698	298 683 689 690	288 642 659 657	281 606 617 617	272 579 585 586	263 533 542 542	252 487 495 495	247 417 413 414	241 341 331 331	229 356 346 346	223 305 295 295	216 262 254 254	210 221 212 212	189 191 184 184	
65	– B B2 BW	289 704 705 704	279 683 689 688	270 688 693 695	261 656 674 674	255 605 622 623	247 573 583 583	239 533 545 545	228 485 493 492	225 409 401 402	219 329 318 318	208 354 343 343	203 304 294 294	197 260 253 253	191 220 211 211	184 189 183 183	
70	– B B2 BW	264 705 705 705	255 689 700 697	247 673 687 682	239 661 676 676	233 607 628 628	226 573 592 591	219 524 536 535	208 482 488 488	206 398 389 390	201 318 305 305	190 352 342 342	185 302 293 293	180 257 252 252	174 218 210 210	170 187 182 182	
75	– B B2 BW	239 704 705 705	233 693 705 701	226 663 685 672	218 654 666 669	214 610 632 632	207 577 598 598	200 519 528 528	191 474 479 479	188 388 377 377	184 307 291 291	174 351 341 341	169 299 293 292	164 255 251 251	159 216 210 210	155 184 182 182	
80	– B B2 BW	217 694 702 699	214 688 705 698	207 655 684 665	200 637 653 655	197 605 628 630	190 577 600 600	184 513 521 522	175 463 466 466	173 377 365 365	169 296 278 278	159 349 340 340	155 297 292 292	150 252 251 251	146 213 210 210	142 182 181 181	
85	– B B2 BW	198 665 689 675	196 679 703 688	191 642 678 651	185 620 648 635	181 591 607 612	175 572 599 596	169 508 512 513	161 453 452 453	159 365 353 353	155 285 266 266	146 346 339 340	142 295 291 291	138 250 250 250	134 210 209 209	130 180 180 180	
90	– B B2 BW	182 636 668 645	180 646 674 655	177 627 668 636	171 602 635 615	168 576 602 593	162 557 585 579	157 498 502 501	148 442 439 440	147 354 341 341	143 275 254 254	134 343 339 340	131 291 291 291	127 246 249 249	123 208 209 209	120 178 179 179	
95	– B B2 BW	167 607 645 616	165 612 643 621	164 604 645 612	158 584 621 595	156 560 593 575	150 541 571 560	145 485 491 488	137 432 427 427	136 342 330 330	133 265 241 242	124 339 339 340	121 288 290 290	117 243 247 248	113 206 208 208	110 177 178 178	
100	– B B2 BW	154 580 620 588	152 579 612 587	151 575 615 584	147 564 603 573	144 545 579 557	139 526 557 542	134 475 483 478	126 423 418 417	126 332 320 320	123 254 229 230	114 336 339 340	111 285 289 289	107 242 246 246	104 204 206 206	101 175 177 177	
105	– B B2 BW	143 553 592 561	141 545 581 552	139 547 585 555	136 540 578 549	134 530 566 539	129 510 543 523	125 475 480 478	117 415 412 412	116 325 314 313	113 244 218 218	105 333 339 340	102 283 289 289	98.7 240 244 244	95.2 202 204 204	92.9 172 174 174	
110	– B B2	133 527 564	131 520 556	129 519 555	127 516 552	125 509 545	120 495 528	116 467 473	108 407 404	108 319 309	105 239 214	96.9 327 338	94.3 282 288	91 238 242	87.6 200 202	85.4 170 172	

C

		 177 – 453 ft	 118 ft	 143300 lbs	 331000 lbs	 B B2 BW	 550000 – 771000 lbs	 331000 – 550000 lbs	 0 – 331000 lbs	 0 lbs						
ft		HSL 177 – 453														
		177	197	217	236	256	276	295	315	335	354	374	394	413	433	453
115	–	124	122	120	118	117	112	108	100	100	97.5	89.4	86.9	83.8	80.5	78.5
	B	501	498	492	492	489	478	458	399	314	234	320	278	236	197	168
	B2	536	533	526	527	523	512	465	396	304	211	333	285	240	200	169
	BW	508	505	499	499	497	486	461	397	304	212	331	286	240	200	169
120	–	116	113	111	109	109	104	100	93.1	92.8	90.4	82.4	80	77	73.9	72
	B	477	476	470	468	468	460	448	391	308	229	315	272	233	195	165
	B2	510	510	502	501	501	493	456	388	299	208	329	282	237	198	167
	BW	483	483	476	475	476	468	451	389	299	209	327	283	237	198	167
125	–	108	105	103	101	101	97.2	93.4	86.2	86.1	83.8	75.9	73.6	70.7	67.8	65.9
	B	456	454	451	444	447	442	434	382	302	223	313	266	229	193	163
	B2	489	487	483	476	479	474	443	380	293	205	329	279	234	195	164
	BW	462	461	458	451	455	450	437	381	294	206	329	279	234	196	164
130	–	101	98.3	96.2	93.9	94.2	90.8	87.1	80	80	77.7	69.9	67.8	65	62.1	60.3
	B	438	432	433	427	426	424	419	372	296	218	308	266	225	189	160
	B2	470	464	464	458	457	455	426	370	288	201	325	275	230	192	162
	BW	444	439	439	433	433	431	422	371	289	202	326	275	230	192	162
135	–	95.2	92.3	90.2	87.4	87.6	84.6	81.4	74.4	74.4	72.2	64.5	62.5	59.8	57	55.3
	B	421	415	414	411	409	406	403	359	288	212	303	263	221	185	157
	B2	451	446	444	441	439	436	410	359	281	198	322	270	226	189	159
	BW	426	422	420	417	416	413	406	358	281	199	322	271	226	189	159
140	–	89.6	86.6	84.4	81	81.2	78.4	75.9	69	69.1	66.9	59.3	57.3	54.7	52	50.4
	B	403	400	396	395	393	388	387	346	280	207	298	259	218	182	154
	B2	432	429	425	424	422	416	394	346	273	194	318	266	222	185	156
	BW	408	406	402	401	400	395	390	345	274	195	319	267	222	185	156
150	–	78.7	75.5	73.2	69.8	70.1	67.6	65.8	59.1	59.3	57.3	49.8	47.9	45.5	42.9	41.4
	B	364	370	366	364	364	359	357	319	262	193	286	250	210	175	147
	B2	391	397	393	391	391	385	363	322	256	183	310	258	214	178	149
	BW	374	375	371	369	370	365	360	321	257	183	309	259	215	179	150
160	–	68.8	65.4	63	60.6	60.8	58.5	56.8	50.4	50.7	48.7	41.3	39.6	37.2	34.7	33.4
	B	322	340	341	335	337	334	329	294	243	177	274	240	202	172	145
	B2	348	366	366	360	363	360	335	298	238	168	301	250	207	172	143
	BW	340	347	346	340	343	340	333	297	239	169	297	251	207	172	144
170	–	61.4	58	55.7	53.2	53.3	50.9	49.2	42.7	43	41.1	33.8	32.1	29.9	27.5	26.2
	B	282	310	316	314	311	311	308	271	224	162	264	226	193	169	141
	B2	303	334	340	338	334	335	313	277	220	154	291	244	200	165	137
	BW	303	322	321	319	316	316	312	275	221	154	284	244	199	165	137
180	–		52	49.5	46.8	47	44.5	42.5	36	36.3	34.5	27.3	25.6	23.5	21.1	19.9
	B		279	292	293	292	288	286	253	209	146	253	218	185	159	135
	B2		303	314	316	315	311	291	258	206	139	281	237	193	159	131
	BW		299	300	298	297	293	291	257	206	140	270	237	194	160	132
190	–		46.8	43.9	40.3	40.4	37.9	36	29.9	30.2	28.4	21.3	19.7	17.6	15.3	
	B		236	268	273	274	267	265	236	195	134	242	213	179	150	129
	B2		260	289	294	296	289	270	240	193	128	270	230	187	154	127
	BW		260	281	278	279	274	271	239	193	130	256	231	188	155	127
200	–			38.7	34.4	34.4	31.9	30.2	24.4	24.7	22.9					
	B			241	253	256	249	245	218	182	124	230	207	173	146	123
	B2			262	273	277	270	250	222	180	120	258	223	181	149	123
	BW			261	260	261	257	251	222	181	121	243	223	182	150	123
210	–				30.2	30.1	27.5	25.7	19.3	19.6	17.9					
	B				233	237	231	226	201	169	114	219	200	168	141	117
	B2				253	257	250	233	205	168	111	244	216	175	144	119
	BW				245	243	240	233	204	168	112	229	215	176	145	119
220	–				26.2	26.3	23.3	21.3	15	15.2	13.4					
	B				210	217	213	208	186	156	104	207	192	161	136	113
	B2				230	236	231	216	193	156	103	230	209	170	139	114
	BW				227	227	223	215	190	156	103	215	205	171	140	114
230	–				22.6	22.5	19.2	17.1								
	B				173	197	195	189	171	144	95.3	195	184	157	130	108
	B2				194	214	211	198	180	145	94.7	216	201	166	135	110
	BW				193	211	207	197	176	145	95	202	195	167	136	110
240	–					19	15.5									
	B					175	177	172	157	133	87	184	176	154	126	105
	B2					192	192	182	168	134	87	203	194	162	132	107
	BW					192	190	180	162	134	87.2	189	185	162	132	107
250	–						159	156	144	121	79.6	173	168	150	123	101
	B						173	165	155	123	79.9	191	186	157	128	104
	B2						173	164	148	123	80	177	175	158	128	104
	BW															
260	–						140	141	133	111	72.3	164	159	147	119	97.9
	B						152	150	142	112	72.8	181	178	153	125	101
	B2						152	149	136	112	72.8	168	166	154	125	101
	BW															
270	–						117	128	122	101	65.1	155	152	143	116	95.1
	B						124	134	129	102	65.7	172	170	148	121	98.1
	B2						124	134	126	103	65.8	159	157	149	121	98.2
	BW															
280	–							114	111	92.1	58.2	146	144	137	113	92.4
	B							118	117	93.4	58.6	162	161	144	118	95.2
	B2							119	115	93.8	58.8	149	148	143	117	95.3
	BW															

		 177 – 453 ft	 118 ft	 143300 lbs	 331000 lbs	 B B2 BW		 550000 – 771000 lbs  331000 – 550000 lbs  0 – 331000 lbs  0 lbs								
 ft		HSL 177 – 453														
		177	197	217	236	256	276	295	315	335	354	374	394	413	433	453
290	– B B2 BW								102 104 104	83.6 84.9 85.2	51.2 51.4 51.7	137 153 140	136 152 140	130 139 136	110 115 114	89.7 92.3 92.3
300	– B B2 BW								90.6 91.7 91.8	75.3 76.4 76.6	44.6 44.2 44.5	129 144 132	128 144 131	123 134 129	107 113 111	86.6 90 90.3
310	– B B2 BW								73.5 74.1 74.2	67 67.4 67.6	38.1 37.1 37.2	121 137 125	120 135 123	117 129 122	104 111 108	85.8 88.1 88.6
320	– B B2 BW									59.1 57.2 57.6	31.6 30 30.2	114 129 119	113 128 116	110 125 115	100 109 105	84.9 86.4 87.1
330	– B B2 BW										25.3 23.1 23.3	107 121 112	107 121 111	103 119 108	97.2 107 102	83.6 84.6 85.6
340	– B B2 BW										19 16.8 16.8	100 114 106	101 114 105	97.8 113 103	93.9 105 99.3	82.2 82.9 84
350	– B B2 BW											89.8 104 99.4	94.3 107 99.1	92 107 98.3	89 101 94.7	80.9 81.1 82.4
360	– B B2 BW											65.2 87.6 85.9	87.2 99.9 93.5	86.3 101 93.2	83.8 96.9 89.8	78.4 79.4 80.3
370	– B B2 BW												79 91.7 87.9	80.5 94.5 88.1	78.4 92.4 84.9	75 77.8 77.6
380	– B B2 BW												69.6 82.4 81.9	74.5 87.8 82.8	73 88 79.8	70.9 76.2 74.5
390	– B B2 BW												27.8	67.6 79.4 76.7	67.6 83.4 74.8	66.9 74.6 71.5
400	– B B2 BW													23.4	62.1 76.9 70.2	62.9 73 68.4
410	– B B2 BW														55.2 67.7 64.3	58.8 70.6 65.2
420	– B B2 BW															54.4 66.4 61.6
430	– B B2 BW															49.7 59.6 57.5

C



		 236 – 453 ft HSL2	 118 ft D	 143300 lbs	 331000 lbs	 B B2 BW	 550000 – 771000 lbs 331000 – 550000 lbs 0 – 331000 lbs 0 lbs						
 ft		HSL2 236 – 453											
		236	256	276	295	315	335	354	374	394	413	433	453
36	–	510											
	B	645											
	B2	490											
	BW	642											
38	–	484											
	B	647											
	B2	648											
	BW	647											
40	–	458	439	422									
	B	647	626	599									
	B2	649	626	599									
	BW	648	627	598									
45	–	403	387	372	348	334	323						
	B	645	629	601	564	523	489						
	B2	653	630	603	552	479	482						
	BW	653	631	602	553	524	482						
50	–	358	344	332	318	306	296						
	B	650	629	596	561	524	489						
	B2	659	635	605	548	527	480						
	BW	659	636	606	548	527	480						
55	–	320	308	297	285	274	265	257	250	242	216		
	B	647	631	598	556	522	485	441	386	337	294		
	B2	659	640	608	543	527	477	446	390	340			
	BW	659	641	610	542	527	477	446	390	340			
60	–	288	277	268	257	247	239	231	225	218	212	206	201
	B	642	630	603	551	515	480	438	384	336	293	254	220
	B2	659	645	611	536	525	474	444	389	339	296	245	209
	BW	657	644	613	536	525	474	444	389	339	296	245	209
65	–	261	251	243	233	224	217	209	204	198	193	187	183
	B	656	620	595	549	511	476	434	381	334	292	253	219
	B2	674	650	606	530	522	470	442	388	338	295	243	207
	BW	674	651	610	530	522	471	442	388	338	295	243	207
70	–	239	229	222	212	204	197	191	186	180	176	171	167
	B	661	630	600	532	505	472	432	380	332	291	252	218
	B2	676	655	618	521	515	467	440	387	336	294	242	205
	BW	676	656	619	519	517	468	441	387	336	294	242	205
75	–	218	210	203	194	186	180	174	170	164	160	156	152
	B	654	635	603	509	493	464	429	378	331	289	250	216
	B2	666	658	626	514	511	461	438	386	335	293	239	204
	BW	669	660	626	512	513	461	439	386	335	293	239	204
80	–	200	192	186	177	170	165	159	155	150	146	142	139
	B	637	631	603	496	482	450	424	376	329	288	249	214
	B2	653	655	629	507	508	455	436	385	334	292	237	203
	BW	655	656	629	508	509	455	436	385	334	292	237	203
85	–	185	177	171	163	156	151	145	142	137	134	130	127
	B	620	610	599	489	479	442	415	370	326	287	247	212
	B2	648	637	626	500	504	454	434	382	332	291	235	202
	BW	635	632	625	501	504	455	432	382	332	291	235	201
90	–	171	164	158	150	143	139	133	130	126	123	119	116
	B	602	589	579	477	473	438	410	367	324	284	246	210
	B2	635	619	608	488	500	450	431	381	331	290	233	200
	BW	615	608	602	491	501	451	431	381	331	290	233	200
95	–	158	151	146	138	132	127	123	120	115	113	109	107
	B	584	569	558	460	463	433	406	363	322	282	244	208
	B2	621	601	588	480	491	446	429	380	329	289	232	199
	BW	595	584	577	479	493	446	429	380	329	289	232	199
100	–	147	140	135	128	121	117	112	110	106	103	100	97.6
	B	564	548	537	444	450	425	402	359	320	280	241	206
	B2	603	583	568	474	479	440	426	378	328	287	230	199
	BW	573	560	553	469	483	440	426	379	328	287	230	198
105	–	136	130	125	118	112	108	103	101	97.1	94.5	91.6	89.3
	B	540	527	516	433	435	409	397	355	318	277	240	204
	B2	578	565	549	465	465	431	422	376	326	286	229	198
	BW	549	536	528	466	472	428	422	377	327	286	229	198
110	–	127	121	116	109	103	99.5	95.1	92.7	89.1	86.7	83.9	81.8
	B	516	506	495	425	432	397	385	350	316	276	239	203
	B2	552	543	529	456	468	428	411	373	325	284	228	198
	BW	524	515	504	457	460	425	414	373	325	284	229	198
115	–	118	113	108	101	95.5	91.7	87.4	85.2	81.8	79.5	76.8	74.8
	B	492	486	476	418	428	393	377	343	313	273	238	201
	B2	527	521	509	448	463	423	407	367	321	283	227	197
	BW	499	493	483	448	448	419	406	365	321	283	228	197
120	–	109	105	99.9	93.9	88.1	84.5	80.3	78.2	74.9	72.7	70.2	68.3
	B	468	465	457	410	422	388	371	338	308	269	237	200
	B2	501	498	490	438	455	417	404	363	318	281	226	197
	BW	475	472	463	438	437	412	398	360	317	281	227	197
125	–	101	97.6	92.8	86.9	81.3	77.8	73.7	71.7	68.5	66.4	64	62.2
	B	444	444	439	400	415	382	364	332	303	264	234	199
	B2	476	476	471	428	447	410	398	363	318	277	225	196
	BW	451	451	445	425	425	404	390	360	315	276	225	196

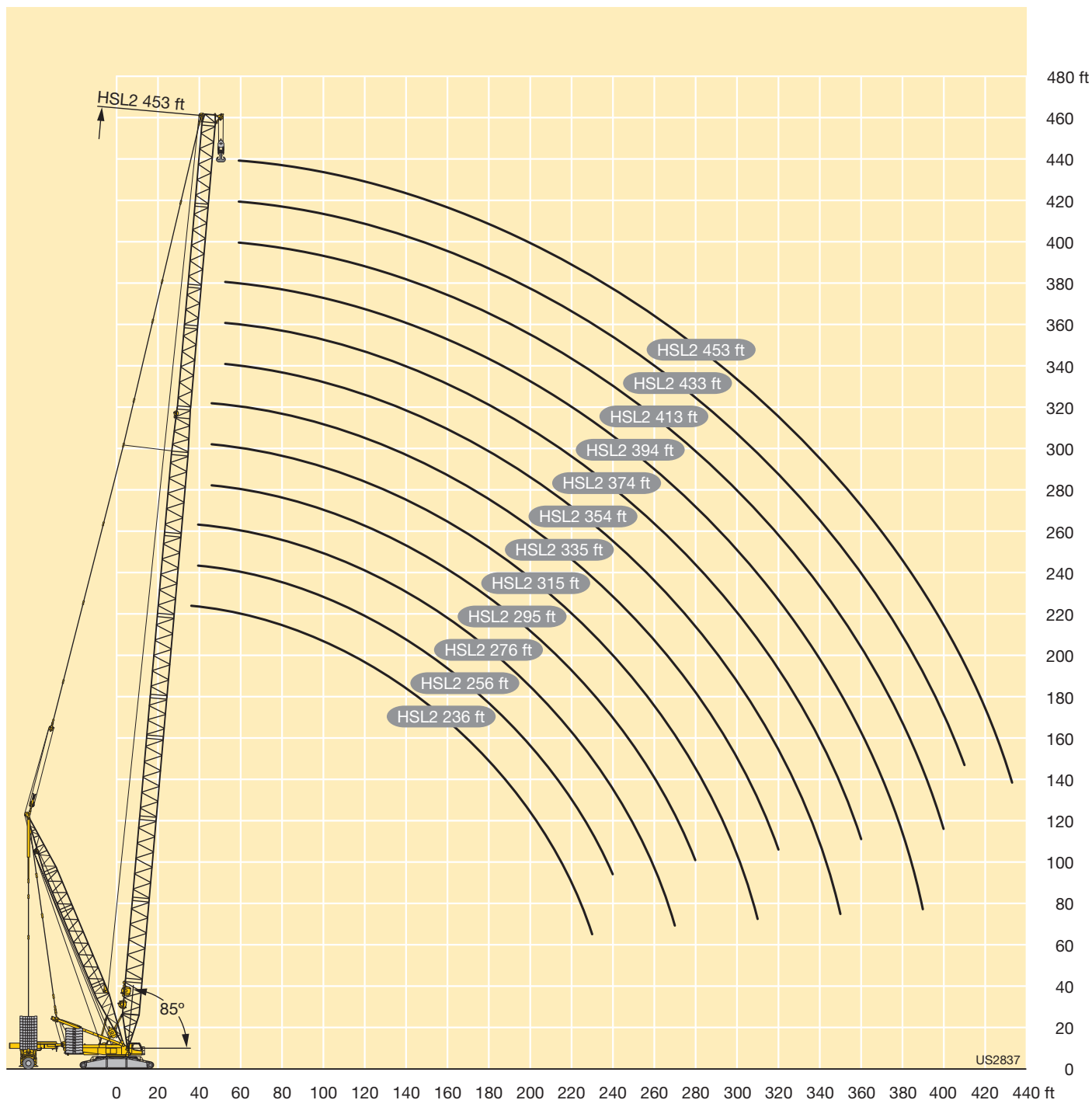
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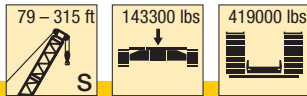


ft		HSL2 236 – 453												
		236	256	276	295	315	335	354	374	394	413	433	453	
D	130	–	93.9	90.8	86.4	80.6	75.1	71.6	67.6	65.7	62.6	60.6	58.3	56.6
		B	427	423	421	389	404	377	357	326	298	259	227	197
		B2	458	454	451	417	435	404	392	359	319	275	222	195
		BW	433	429	426	411	412	397	382	356	319	275	221	195
135	–	87.4	84.2	80.4	75	69.5	66.1	62.1	60.3	57.3	55.4	53.2	51.5	
	B	411	406	403	378	391	368	350	320	293	256	224	194	
	B2	441	436	432	406	420	395	385	356	318	271	222	194	
	BW	417	412	408	397	397	387	374	351	319	272	221	194	
140	–	81	77.7	74.6	69.5	64.1	60.7	56.8	55.1	52.2	50.3	48.2	46.6	
	B	395	390	385	367	377	359	343	314	288	254	223	192	
	B2	424	419	413	394	405	385	378	352	317	268	223	192	
	BW	401	396	389	383	383	375	365	346	318	269	222	192	
150	–	69.8	66.6	64.2	59.5	54.2	51	47.2	45.6	42.8	41.1	39.1	37.6	
	B	364	361	355	346	348	338	326	302	278	247	219	187	
	B2	391	388	381	372	375	363	359	341	315	262	223	189	
	BW	369	366	359	355	354	351	345	333	315	262	223	189	
160	–	60.6	57.5	55.2	50.7	45.5	42.4	38.7	37.1	34.4	32.8	30.9	29.5	
	B	335	334	331	324	321	315	307	289	268	240	214	182	
	B2	360	359	355	350	346	340	337	325	309	256	222	186	
	BW	340	339	335	330	326	325	321	316	308	256	222	186	
170	–	53.2	50	47.7	43	37.8	34.7	31	29.6	27	25.4	23.6	22.3	
	B	314	307	307	304	297	292	288	275	256	230	210	178	
	B2	338	331	330	328	321	316	314	307	294	250	220	183	
	BW	319	312	311	308	302	299	298	295	290	249	221	183	
180	–	46.8	43.7	39.8	36.3	31.1	28	24.4	23	20.5	19	17.3	16	
	B	293	289	284	283	278	274	269	260	244	222	200	173	
	B2	316	311	306	306	301	297	292	288	280	245	216	178	
	BW	298	293	288	287	283	279	275	274	272	241	217	179	
190	–	40.3	37.2	33.7	30.2	25	22	18.4	17					
	B	273	270	266	263	260	257	252	246	233	214	193	166	
	B2	294	292	285	285	282	279	274	270	265	239	212	175	
	BW	278	275	270	267	264	262	257	254	254	232	213	176	
200	–	34.4	31.3	28.7	24.7	19.5								
	B	253	252	250	245	242	241	237	233	221	206	187	163	
	B2	273	273	267	266	263	261	258	254	251	234	208	172	
	BW	260	257	254	249	246	245	242	237	237	224	208	172	
210	–	30.2	26.9	24	19.7									
	B	233	233	235	232	225	224	222	219	210	198	181	159	
	B2	253	253	248	251	245	244	242	240	237	229	204	168	
	BW	245	240	238	235	229	228	227	223	221	216	204	168	
220	–	26.2	22.5	19.4	15.4									
	B	210	213	218	218	213	210	207	206	199	189	175	154	
	B2	230	233	229	236	232	228	227	225	224	219	199	164	
	BW	227	225	222	222	217	213	212	209	209	205	200	164	
230	–	22.6	18.5	15.3										
	B	173	193	197	204	200	197	194	192	188	180	168	149	
	B2	194	212	210	222	219	216	212	211	211	208	192	160	
	BW	193	209	205	208	204	201	198	196	196	194	191	159	
240	–		15											
	B		169	174	191	188	186	181	180	177	171	161	144	
	B2		190	191	208	206	204	200	198	198	196	184	156	
	BW		190	188	196	192	190	186	183	184	183	180	155	
250	–			154	179	176	175	171	168	166	162	154	139	
	B			171	195	193	193	189	186	185	185	176	153	
	B2			170	186	180	179	175	171	171	171	170	149	
	BW													
260	–			138	167	166	164	161	159	156	153	146	134	
	B			149	182	182	181	179	176	175	173	167	150	
	B2			148	176	170	168	165	162	161	160	159	144	
	BW													
270	–			112	154	156	154	151	150	148	145	139	129	
	B			121	169	171	171	168	167	165	163	159	146	
	B2			121	165	161	158	155	153	152	150	149	139	
	BW													
280	–				138	146	145	142	141	139	137	132	124	
	B				153	160	161	158	157	157	154	151	143	
	B2				152	152	150	145	144	143	141	139	133	
	BW													
290	–					136	137	133	132	131	130	125	119	
	B					149	151	149	147	148	146	144	140	
	B2					143	142	137	135	135	134	131	128	
	BW													
300	–					120	129	126	124	123	122	119	113	
	B					136	141	141	139	139	138	136	134	
	B2					134	134	130	127	126	126	124	122	
	BW													
310	–					83.6	118	119	117	115	115	113	108	
	B					104	130	132	131	131	130	129	128	
	B2					103	125	123	120	119	118	117	116	
	BW													

ft		 236 – 453 ft	 118 ft	 143300 lbs	 331000 lbs	 B	 B2	 BW	550000 – 771000 lbs 331000 – 550000 lbs 0 – 331000 lbs 0 lbs				
		HSL2 236 – 453											
		236	256	276	295	315	335	354	374	394	413	433	453
320	– B B2 BW						102 117 114	111 123 116	111 124 114	109 123 112	107 122 111	106 122 111	103 121 110
330	– B B2 BW							102 114 109	104 117 107	103 116 106	100 115 104	100 114 104	97.1 114 103
340	– B B2 BW							90.5 103 102	97.1 109 101	96.9 110 101	94.8 109 98.2	93.6 107 96.7	91.7 107 97.1
350	– B B2 BW							58.6 78.5 78	88 99.9 95.1	91.2 103 95.2	89.3 103 92.8	88.1 101 91.3	86.3 101 90.9
360	– B B2 BW								62.1 84.6 83.2	83.6 95.7 89.6	83.8 97.2 87.4	82.7 95.7 86.2	81.2 94.8 85.3
370	– B B2 BW									74 87.7 84.2	78.1 91.2 82.1	77.4 90.3 81.2	76.4 89.5 80.3
380	– B B2 BW									62.2 78.6 78.5	72 84.7 76.9	72 84.8 76.1	71.6 84.5 75.6
390	– B B2 BW									33.5 76.1 40.7	64.4 79.3 72.1	66.7 79.3 71	66.9 79.6 70.9
400	– B B2 BW										43.6 62 60.7	54.6 73.1 66.7	62.2 74.6 66.2
410	– B B2 BW											44.2 64.9 61.4	54.7 69.3 61.8
420	– B B2 BW												41.4 63.5 57.8
430	– B B2 BW												34.8 56.9 54.5

D



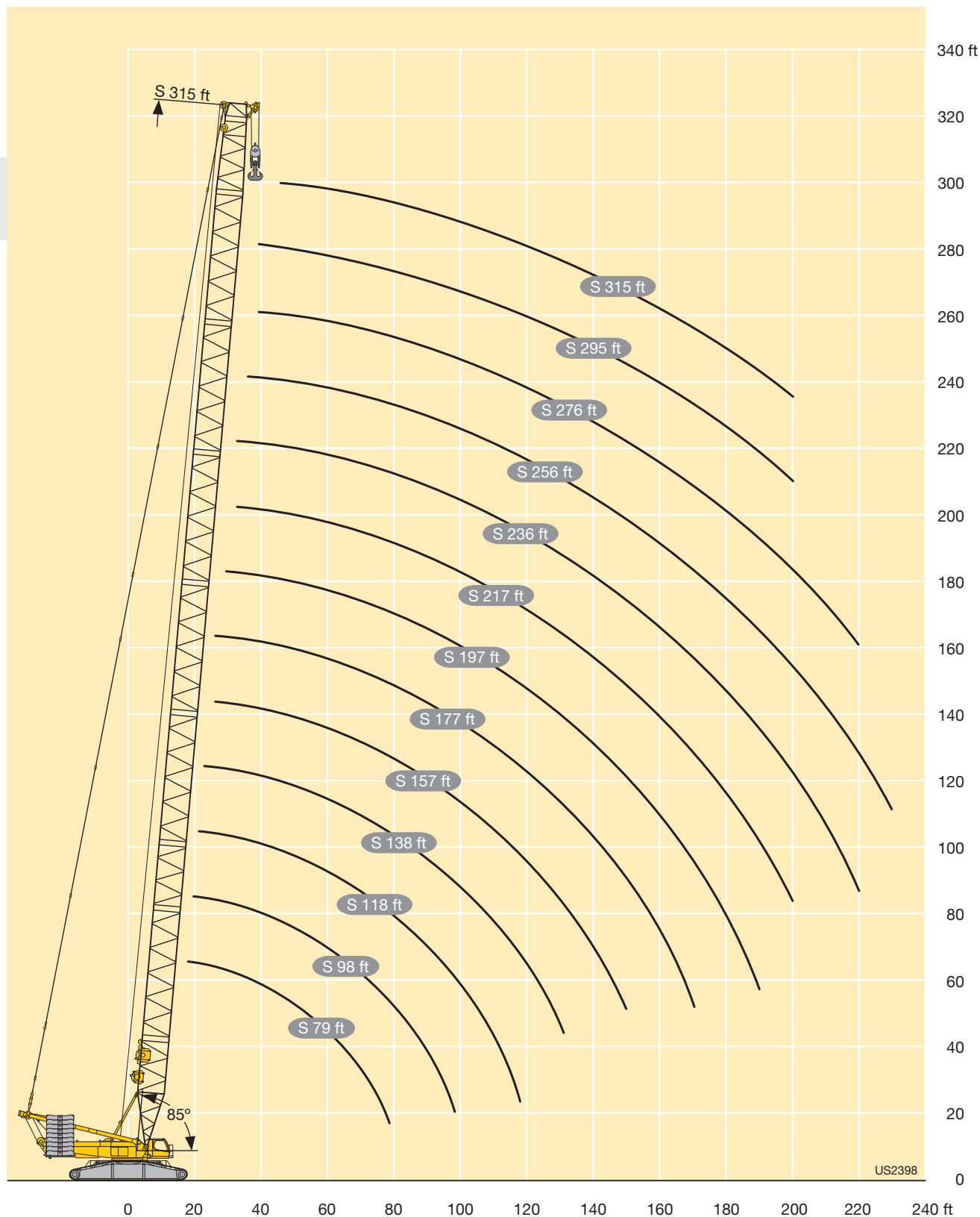


 ft	S 79	S 98	S 118	S 138	S 157	S 177	S 197	S 217	S 236	S 256	S 276	S 295	S 315	 ft
18	1323													18
19	1286													19
20	1243	1235												20
21	1194	1183	1150											21
22	1147	1134	1121											22
23	1100	1086	1078	1058										23
24	1059	1047	1039	1021										24
26	977	971	960	947	926	902								26
28	904	902	892	883	870	853								28
30	837	837	827	822	809	798	773							30
32	784	780	770	766	759	742	715	663	637					32
34	734	727	720	714	711	690	663	637	612					34
36	687	676	677	664	665	640	616	593	570	543				36
38	642	641	633	629	621	599	578	556	536	516				38
40	601	606	593	595	581	562	542	523	504	489	454	417		40
45	508	509	505	505	501	485	469	453	437	425	408	376	339	45
50	434	434	432	431	430	423	411	398	384	375	362	344	317	50
55	375	374	373	371	370	369	362	352	340	332	322	311	292	55
60	328	328	326	324	323	321	320	313	304	297	287	277	269	60
65	292	291	289	287	286	284	282	280	273	267	259	249	243	65
70	262	262	259	258	256	254	252	250	247	242	234	226	220	70
75	237	237	234	233	230	229	227	224	222	220	213	205	200	75
80		215	213	211	209	207	205	202	200	200	194	186	182	80
85		197	194	192	190	188	186	184	181	181	178	170	166	85
90		182	179	177	175	172	170	168	165	165	163	156	152	90
95		168	165	163	161	159	156	154	151	151	149	143	139	95
100			153	151	148	146	144	141	139	138	136	131	128	100
105			142	140	137	135	133	130	127	127	125	121	117	105
110			133	130	128	125	123	120	117	117	115	111	108	110
115			124	122	119	117	114	111	109	108	106	103	99.5	115
120				114	111	109	106	103	100	100	97.5	94.5	91.5	120
125				107	104	101	99	96	93	92.5	90	86.5	84	125
130				101	97.5	95	92.5	89	86.5	86	83	79.5	77.5	130
135					91.5	89	86.5	83.5	80	79.5	77	73	71	135
140					86.5	84	81	77.5	74.5	73.5	70.5	67	65	140
150					77	74	71	67.5	63.5	63	59.7	55.9	54.3	150
160						65.5	62	58	54.3	53.5	50.2	46.3	44.7	160
170						58.2	54.1	50.1	46.2	45.4	42	38	36.3	170
180							47.6	43.3	39.4	38.4	35	31	29.2	180
190							41.9	37.4	33.3	32.2	28.7	24.7	22.9	190
200								32.1	27.9	26.7	23.1	19.1	17.2	200
210									23.1	21.8	18			210
220									19	17.5	13.7			220
230										13.7				230

E

TAB 181009

E





ft		HS 138 - 472																	
		138	157	177	197	217	236	256	276	295	315	335	354	374	394	413	433	453	472
26	- B B2 BW	933 1323 1323 1323																	
28	- B B2 BW	864 1323 1323 1323																	
30	- B B2 BW	790 1323 1323 1323	743 1323 1323 1323	702 1312 1321 1319															
32	- B B2 BW	730 1323 1323 1323	688 1323 1323 1323	651 1285 1315 1301	602 1185 1223 1212	1072 1109 1108													
34	- B B2 BW	677 1323 1323 1323	640 1314 1322 1319	607 1259 1302 1281	579 1173 1214 1200	1066 1104 1101													
36	- B B2 BW	629 1323 1323 1323	595 1299 1321 1312	566 1232 1284 1260	542 1154 1197 1181	517 1056 1096 1090	497 933 965 962												
38	- B B2 BW	589 1306 1323 1322	559 1268 1304 1288	532 1206 1259 1234	510 1134 1180 1162	489 1045 1087 1077	470 932 966 964												
40	- B B2 BW	553 1284 1315 1311	525 1237 1285 1261	500 1181 1234 1209	480 1114 1161 1142	461 1033 1077 1064	445 928 965 963	427 813 843 843	411 725										
45	- B B2 BW	478 1199 1256 1225	455 1165 1223 1192	435 1119 1173 1147	418 1064 1113 1092	403 996 1043 1026	389 906 946 949	375 812 842 842	362 717 737 738	338 643 658 659	327 574 581 581	315 510 456 514							
50	- B B2 BW	419 1120 1183 1143	400 1096 1158 1122	382 1062 1118 1088	369 1016 1067 1041	356 958 1008 988	344 887 931 925	332 795 832 829	321 703 726 732	309 637 655 655	299 572 580 581	288 508 513 514							
55	- B B2 BW	370 1044 1107 1062	354 1027 1090 1051	339 1005 1063 1029	327 969 1023 990	316 920 971 946	307 864 910 897	296 780 820 813	287 691 718 725	275 631 654 653	267 563 579 578	257 503 513 513	250 446 450 450	241 387 394 394	231 345 349 349	205 300 303 303			
60	- B B2 BW	327 971 1031 984	316 959 1019 979	303 947 1005 968	292 922 978 939	282 882 934 903	275 835 883 864	266 764 807 795	257 683 716 716	247 628 654 655	239 557 577 575	231 497 512 512	224 443 449 449	217 386 393 393	208 344 348 348	201 300 303 303	193 264 265 265	188 231 231 231	180 202 202 202
65	- B B2 BW	289 904 963 915	285 891 949 906	272 887 942 904	263 873 929 887	255 844 897 860	248 805 854 828	240 740 785 771	232 668 704 701	223 623 653 654	216 556 577 578	209 495 511 511	202 435 445 445	195 385 393 393	187 341 347 347	182 299 302 302	174 262 264 264	169 231 231 231	162 202 201 201
70	- B B2 BW	259 843 898 853	255 831 887 844	247 826 879 839	239 821 874 833	231 802 854 815	225 774 825 791	218 716 763 746	211 649 694 689	202 608 642 639	196 550 574 575	189 491 510 510	183 431 441 442	177 384 392 392	170 340 346 347	164 297 301 302	158 260 262 263	153 229 230 230	146 201 199 200
75	- B B2 BW	233 784 837 794	229 778 830 789	225 770 820 779	217 768 818 779	210 758 808 769	205 739 790 753	198 692 741 721	192 638 683 675	184 598 635 629	178 539 569 567	172 485 506 505	167 428 438 439	161 382 391 392	154 339 346 346	149 296 301 301	143 259 261 262	139 228 229 229	132 200 198 199
80	- B B2 BW	211 730 781 740	207 729 778 739	204 720 767 728	198 716 763 726	192 712 760 723	187 702 750 714	181 666 715 694	175 625 670 659	167 589 630 622	162 531 565 557	156 475 501 500	151 423 435 435	146 379 390 390	139 337 345 345	135 295 300 300	129 258 260 261	125 227 228 228	119 199 198 198
85	- B B2 BW	192 689 737 699	188 679 726 689	185 679 724 686	182 668 712 677	175 667 713 676	171 663 709 674	165 637 683 661	160 609 654 640	153 577 622 610	148 522 564 557	142 469 504 504	138 417 431 430	133 374 386 386	127 335 344 345	123 294 299 300	117 257 260 260	113 227 228 228	107 198 197 197
90	- B B2 BW	176 649 694 657	172 641 685 650	169 638 681 645	167 633 676 642	161 624 668 632	157 625 668 635	152 607 652 627	147 586 629 612	140 561 606 591	136 514 550 550	130 462 501 503	126 412 427 427	121 370 387 388	115 331 343 341	111 291 298 299	106 255 259 259	103 225 227 227	96.6 197 196 196
95	- B B2 BW	162 609 651 619	158 607 649 616	155 600 640 606	153 600 640 607	148 590 632 598	145 587 628 596	139 578 620 594	135 562 603 584	128 542 586 569	124 502 549 537	119 454 499 500	115 407 423 424	111 366 388 388	105 327 342 341	101 289 298 298	95.8 253 258 258	93.1 224 226 227	87 196 195 195
100	- B B2 BW	149 571 610 584	145 574 615 583	142 566 605 572	141 566 604 573	137 562 601 569	133 553 592 561	128 548 588 561	124 538 577 556	117 521 563 544	114 488 534 520	109 446 493 494	105 402 419 420	101 363 387 388	95.2 325 342 342	91.8 287 297 297	86.6 252 257 257	84 222 226 226	78.1 195 194 194
105	- B B2 BW	138 535 572 555	134 542 580 551	131 540 577 546	129 532 569 539	126 533 571 540	123 529 566 536	118 519 557 528	114 513 552 527	108 501 540 520	104 473 516 501	99.2 436 481 479	95.7 397 414 416	91.8 359 386 387	86.3 322 341 342	83.1 284 296 296	78.1 251 256 256	75.7 221 225 225	69.9 193 194 194

F

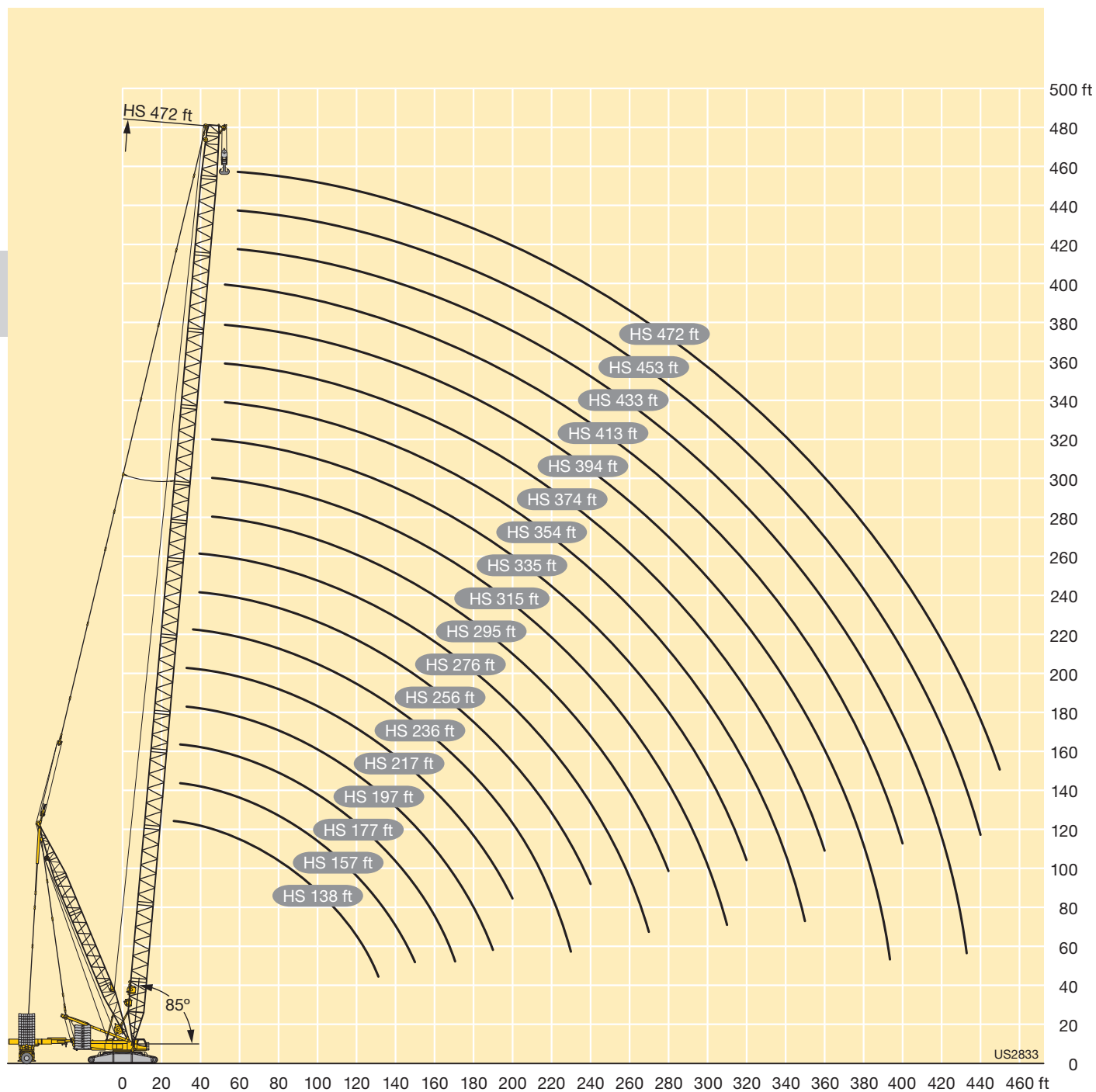


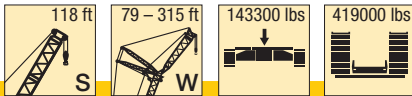
F

ft		HS 138 – 472																	
		138	157	177	197	217	236	256	276	295	315	335	354	374	394	413	433	453	472
110	–	129	124	121	119	117	114	109	105	99	95.4	90.8	87.5	83.7	78.4	75.3	70.4	68.2	62.6
	B	499	514	513	508	505	504	497	489	480	458	425	386	354	320	282	250	219	192
	B2	533	550	549	543	541	541	533	526	517	498	467	404	382	340	295	255	224	193
	BW	525	524	520	514	511	512	505	499	495	482	463	408	383	341	295	255	225	193
115	–	120	115	112	110	107	105	101	97	90.9	87.5	82.9	79.8	76.2	71	68.1	63.3	61.2	55.7
	B	464	489	487	485	479	480	476	468	460	443	415	378	347	316	280	248	218	191
	B2	496	523	521	519	513	515	511	503	495	481	454	400	375	337	294	254	224	192
	BW	493	500	493	491	485	487	483	476	471	462	447	400	377	337	294	254	224	192
120	–	112	107	103	101	98.8	97.2	92.9	89.4	83.4	80.1	75.7	72.6	69.2	64.2	61.3	56.6	54.6	49.2
	B	428	465	463	463	456	456	455	449	440	428	404	372	341	311	276	247	217	190
	B2	459	497	496	496	489	489	489	483	473	463	441	396	369	333	291	253	223	191
	BW	459	477	469	469	462	462	462	456	448	443	430	392	371	332	291	254	223	192
125	–	105	99.9	95.6	93.2	91.1	89.9	85.8	82.4	76.5	73.3	68.9	66	62.6	57.7	55	50.4	48.5	43.2
	B	374	441	442	441	438	432	434	431	423	413	393	364	335	306	269	246	215	189
	B2	424	471	474	473	469	464	466	463	454	445	427	389	368	328	286	252	222	191
	BW	424	455	449	447	443	438	440	438	429	423	414	384	364	325	285	253	222	191
130	–	98.6	93.4	89.1	86.6	84.4	83.3	79.3	76	70.1	67	62.8	59.9	56.7	51.9	49.2	44.7	42.9	37.7
	B	374	416	425	419	420	415	413	413	406	399	383	355	328	300	266	240	212	188
	B2	389	445	455	450	450	446	444	444	437	429	414	383	363	330	285	249	221	190
	BW	389	432	431	425	425	420	419	419	413	407	398	376	357	327	285	247	221	190
135	–		87.4	82.8	80.1	77.8	76.8	73.4	70.2	64.4	61.4	57.2	54.4	51.2	46.5	43.9	39.5	37.8	32.6
	B	389	408	402	402	399	396	395	390	384	371	347	321	295	263	237	210	186	
	B2	418	436	432	430	429	426	425	420	413	401	376	358	328	282	248	219	189	
	BW	409	413	408	407	404	401	401	396	392	384	367	350	324	283	247	219	190	
140	–		81.5	76.6	73.7	71.2	70.2	67.8	64.7	58.9	56	51.8	49.1	46	41.4	38.8	34.5	32.9	27.7
	B	362	390	387	384	383	380	377	374	370	359	338	314	289	259	234	207	184	
	B2	390	417	415	411	412	409	405	403	398	388	369	352	325	279	248	216	189	
	BW	384	395	393	389	388	385	382	380	377	370	359	343	320	279	248	217	189	
150	–		71.6	66.3	63.1	60.5	59.5	57.6	54.7	49	46.1	42.1	39.4	36.5	32	29.6	25.4	23.8	18.8
	B	310	351	357	354	352	351	347	343	341	335	320	300	278	251	227	201	180	
	B2	332	376	384	379	379	378	373	370	368	362	350	338	320	272	248	211	187	
	BW	330	361	363	358	357	356	352	349	348	343	338	326	313	272	248	212	187	
160	–			58.2	54.8	52.1	51	48.8	45.8	40.2	37.3	33.4	30.8	28	23.6	21.3			
	B	307	328	328	328	324	324	323	315	314	311	300	285	266	243	221	195	176	
	B2	333	353	353	349	350	348	340	339	335	328	321	311	265	246	206	186		
	BW	327	334	334	333	328	329	327	321	320	317	314	308	302	265	246	206	186	
170	–			51.8	47.9	44.9	43.6	41	38	32.4	29.6	25.7	23.2	20.4	16.2	13.9			
	B	270	296	304	303	298	299	294	290	286	281	270	254	235	214	190	172		
	B2	288	321	327	327	321	323	318	314	309	306	301	294	257	244	201	184		
	BW	289	309	308	307	302	303	299	296	291	291	287	283	256	244	201	184		
180	–				41.7	37.7	36.2	34	31.3	25.7	22.9	19	16.5	13.9					
	B				264	279	282	279	276	274	271	267	262	255	241	224	205	183	168
	B2				289	302	304	302	298	296	294	289	284	281	277	249	236	196	163
	BW				285	287	286	283	280	278	276	271	267	266	264	244	234	196	183
190	–				36.5	31.9	30.1	28	25.3	19.6									
	B				225	254	262	261	258	254	253	250	245	241	228	214	197	176	162
	B2				247	276	283	283	279	275	274	271	266	262	259	240	228	191	178
	BW				247	268	266	265	262	258	257	254	249	247	245	232	223	192	180
200	–				27.2	25	22.6												
	B				228	242	243	242	236	235	233	230	226	216	204	188	170	156	
	B2				250	262	264	263	256	255	254	251	245	243	231	219	187	174	
	BW				248	249	247	246	240	239	237	234	229	227	220	212	187	176	
210	–						20.2												
	B						222	226	226	222	218	216	215	212	204	194	180	165	151
	B2						241	246	246	242	237	236	235	231	227	222	210	182	174
	BW						235	231	231	226	222	220	219	216	212	207	201	183	171
220	–						16.2												
	B						200	210	211	209	205	202	200	198	192	183	171	159	145
	B2						219	229	230	227	224	221	219	217	214	210	201	177	171
	BW						217	218	216	212	209	205	204	202	199	196	189	178	166
230	–						13												
	B						166	194	196	195	193	189	186	185	180	173	163	153	139
	B2						187	213	214	213	212	208	205	203	202	199	191	172	167
	BW						187	205	203	198	197	193	190	188	186	184	179	173	162
240	–							175	182	182	181	178	174	172	168	163	155	146	133
	B							194	199	199	199	196	193	190	189	187	181	166	163
	B2							190	192	186	185	182	178	175	174	172	168	165	156
	BW																		
250	–								167	170	169	167	164	160	156	153	146	140	127
	B								184	186	186	185	182	178	176	175	170	158	157
	B2								180	186	172	170	168	163	161	161	157	156	149
	BW																		
260	–								149	158	158	155	154	151	146	143	138	133	121
	B								166	173	175	173	172	168	165	163	160	151	149
	B2								165	166	163	159	158	154	151	149	147	146	140
	BW																</		

		 138 – 472 ft	 98 – 118 ft	 143300 lbs	 331000 lbs	 B		 B2	 BW	 550000 – 771000 lbs  331000 – 550000 lbs  0 – 331000 lbs  0 lbs									
 ft		HS 138 – 472																	
		138	157	177	197	217	236	256	276	295	315	335	354	374	394	413	433	453	472
290	 B  B2  BW										128 141 136	129 143 133	126 142 129	124 139 127	121 138 125	119 135 123	115 131 118	112 129 117	104 124 113
300	 B  B2  BW										113 127 125	121 134 125	119 134 122	116 130 118	113 129 117	112 127 115	108 124 112	105 122 109	97.5 116 104
310	 B  B2  BW										89.4 105 105	111 123 116	112 125 115	109 123 112	105 121 109	104 119 108	101 117 105	98.7 115 103	91.8 109 96.8
320	 B  B2  BW											96.6 109 106	105 117 108	103 115 106	98.6 113 102	97 112 100	93.8 109 98	92.2 109 96	86.2 102 90.6
330	 B  B2  BW												95.8 107 101	96.9 108 99.2	92.8 107 96	90.1 104 93.3	86.8 102 91.1	85.8 102 89.5	80.7 96.1 84.7
340	 B  B2  BW												84.1 96.6 94.9	90.7 100 92.9	87 101 90	84.6 97.5 87.7	79.8 94.7 84.3	79.3 95.3 82.9	75.1 89.7 78.7
350	 B  B2  BW												62.4 77.4 77.5	80.2 90.3 86.3	81.2 94.1 84	79.2 91.1 82.1	74.8 88.8 79	72.8 88.7 76.4	69.6 83.3 72.8
360	 B  B2  BW													66.5 78.1 76.8	74.3 86.5 78.3	73.7 84.6 76.4	70.2 83.2 74	67.5 82.7 70.9	64.1 77 66.9
370	 B  B2  BW														66.2 77.5 72.7	68.1 78.1 70.9	65.7 77.6 69	63.2 77.3 66.3	58.8 71 61.3
380	 B  B2  BW														56.9 67.2 67.3	62.2 71.5 65.7	61.1 72 64.1	59.2 72.2 62.2	54.2 66.1 56.6
390	 B  B2  BW														39.3 50.6 50.8	54.7 64.2 61.5	56.6 66.4 59.1	55.3 67 58.1	50.1 61.9 52.4
400	 B  B2  BW															43.6 53.7 53.1	50.1 60.2 54.9	51.4 61.9 53.9	46 57.8 48.2
410	 B  B2  BW																42.1 53.3 50.7	46.8 56.3 49.7	42 53.7 44.1
420	 B  B2  BW																27.2 45.3 45.2	41 49.9 45.3	37.9 49.6 39.9
430	 B  B2  BW																20.9 31.7 31.6	33.7 42.3 40.6	33.6 44.9 36.1
440	 B  B2  BW																	19.1 32.8 32.5	28.7 38.9 33
450	 B  B2  BW																		23 31.9 29.3

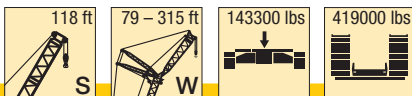
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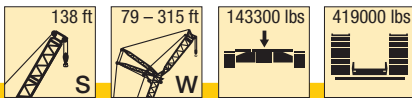
 ft	S 118																					 ft	
	W 79			W 98			W 118			W 138			W 157			W 177			W 197				
	87°	77°	67°	87°	77°	67°	87°	77°	67°	87°	77°	67°	87°	77°	67°	87°	77°	67°	87°	77°	67°		
40	526																					40	
45	467			437																		45	
50	419			402																		50	
55	379			364			352															55	
60	345			331			320			312			300									60	
65	316			304			294			287			276			265						65	
70	293			281			272			265			255			248						70	
75	270			261			253			246			237			230			222			75	
80	248	223		243			235			229			221			214			207			80	
85	228	207		226	199		220			214			206			200			193			85	
90	210	191		209	187		206			201			194			188			181			90	
95		178		195	175		193	170		190			182			177			171			95	
100		166		181	163		180	160		179	155		171			167			161			100	
105		154	139	169	152		169	150		169	146		162	139		157			151			105	
110		145	130	158	143		158	141		158	139		153	132		149			143			110	
115			122		134		149	133		149	131		145	124		141			136			115	
120			115		126	112	140	125		140	124		138	118		134	114		129			120	
125			108		119	105	132	118		132	117		130	112		127	108		122	103		125	
130			102		112	100	125	111	96	125	111		123	106		121	102		116	97		130	
135						94		105	92	119	105		117	101		115	97		111	93		135	
140						89		100	87	113	100	82	111	96		109	93		106	88		140	
150									79			90	78	100	87		99	84		96	80		150
160									71			81	70	90	78	66	90	76		88	72		160
170									64			74	63	82	71	59	82	70	56	80	65	51	170
180												57			65	54	75	64	51	73	60	46.6	180
190																48.2		58	46.3	67	55	42	190
200																43.3		53		61	49.9	37.8	200
210																			37.6		45.4	34	210
220																			33.8		41.2	30.7	220
230																					27.5		230
240																					24.5		240

TAB 181047 / 181054 / 181061



	S 118																
	W 217			W 236			W 256			W 276			W 295		W 315		
	87°	77°	67°	87°	77°	67°	87°	77°	67°	87°	77°	67°	87°	77°	87°	77°	
80	200			195													80
85	187			182			175										85
90	175			171			165										90
95	165			160			155			149			143				95
100	155			151			146			140			137		121		100
105	146			142			137			131			129		120		105
110	138			134			130			124			121		115		110
115	131			127			123			117			115		110		115
120	124			120			116			111			108		103		120
125	117			114			110			104			102		98		125
130	112	91		108			104			99			97		92		130
135	106	88		103			99			94			92		87		135
140	101	83		98	76		94			89			87		83		140
150	92	75		89	72		85			80			79		74		150
160	84	68		81	65		77	61		72	56		71		67		160
170	77	61		74	58		70	55		65	50		64	48.1	60	43.7	170
180	70	56		67	53		64	49.4		59	44.7		58	43.1	54	38.9	180
190	65	51	38	62	47.8		58	44.4		54	39.8		52	38.2	48.3	34.1	190
200	59	46.1	33.9	56	43.1	30.9	53	39.9		48.8	35.3		47.2	33.8	43.3	29.7	200
210	54	41.9	30.2	52	38.9	27.2	48.6	35.8	23.9	44.1	31.2		42.6	29.7	38.7	25.7	210
220	49.8	38.2	26.9	47.6	35.2	23.9	44.5	32.1	20.7	40.1	27.6	15.1	38.5	26.1	34.7	22.1	220
230		34.9	23.9	43.7	31.9	20.9	40.7	28.7	17.8	36.3	24.3	13.2	34.7	22.8	30.9	18.8	230
240		31.6	21.2	39.9	28.7	18.1	37.3	25.6	15	32.9	21.2		31.2	19.6	27.4	15.7	240
250			18.7		25.9	15.6	34.1	22.8	12.5	29.7	18.4		27.9	16.8	24.2	12.9	250
260			16.6		23.4	13.3	31.2	20.2	10.2	26.8	15.8		25	14.2	21.2	10.3	260
270						11.2		17.9		24.3	13.5		22.3	11.7	18.5		270
280								15.9		22.1	11.3		19.8		16		280
290													17.5		13.7		290
300													15.5		11.5		300

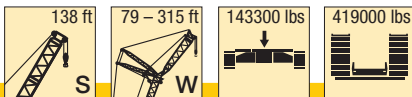
TAB 181047 / 181054 / 181061



G

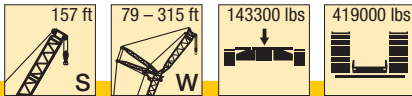
	S 138																					
	W 79			W 98			W 118			W 138			W 157			W 177			W 197			
	87°	77°	67°	87°	77°	67°	87°	77°	67°	87°	77°	67°	87°	77°	67°	87°	77°	67°	87°	77°	67°	
45	437			419																		45
50	402			386																		50
55	364			350			338															55
60	332			319			309			300												60
65	305			293			284			276			263			255						65
70	282			271			263			256			246			239						70
75	262			252			244			238			229			222			215			75
80	244	210		235			227			222			213			207			200			80
85	227	196		220			213			208			199			194			187			85
90	210	184		206			200			195			187			182			175			90
95		173		193	165		188			184			176			171			165			95
100		161		181	155		177	150		173			166			161			155			100
105		151		169	146		168	141		164	137		157			152			146			105
110		141		158	138		158	133		155	130		148	121		144			139			110
115		132			130		148	126		147	123		141	116		136			131			115
120			109		122		140	120		140	116		134	110		129	106		124			120
125			102		115	98	132	114		132	111		127	104		123	100		118			125
130			97		109	93	124	108		125	105		121	99		117	95		112	89		130
135						88		102		119	100		115	94		112	90		107	85		135
140						84		97	76	113	96		110	89		107	86		102	81		140
150						75		87	72		87		99	81		97	78		93	73		150
160									65		79	63	90	74	57	89	70		85	66		160
170									58		71	57	82	67	51	81	64	47.7	78	60		170
180												52		62	46.4	74	59	43.2	72	54		180
190												46.7		56	41.9		54	38.9	66	49.5	34.6	190
200															37.9		49.2	34.9	61	45.1	30.8	200
210																		31.4		41.1	27.3	210
220																		28.3		37.7	24.2	220
230																		25.6		34.4	21.4	230
240																				18.8		240

TAB 181047 / 181054 / 181061



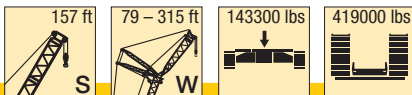
 ft	S 138															 ft
	W 217			W 236			W 256			W 276		W 295		W 315		
	87°	77°	67°	87°	77°	67°	87°	77°	67°	87°	77°	87°	77°	87°	77°	
80	193															80
85	180			175			169									85
90	169			165			159									90
95	159			155			150				143					95
100	150			146			141				135		132		116	100
105	141			137			133				127		124		115	105
110	133			130			125				119		117		111	110
115	126			123			118				113		111		106	115
120	120			116			112				106		104		100	120
125	113			110			106				101		99		94	125
130	108			105			101				95		93		89	130
135	103			99			96				90		89		84	135
140	98	73		95	70		91				86		84		80	140
150	89	69		86	66		82				77		76		71	150
160	81	62		78	59		74	55			70		68		64	160
170	74	56		71	53		67	49.3			63	44.1	61	42.6	57	170
180	68	50		65	47.6		61	44.1			57	39.4	55	37.9	51	180
190	62	45.6		59	42.8		56	39.4			51	34.7	50	33.3	46	190
200	57	41.2	26.9	54	38.4		51	35.1			46.5	30.5	45	29.1	41.1	200
210	53	37.2	23.4	49.6	34.4	20.6	46.4	31.2			42	26.6	40.5	25.2	36.6	210
220	48.9	33.8	20.4	45.5	30.9	17.5	42.4	27.7	13.4		38	23.2	36.5	21.8	32.7	220
230		30.6	17.6	41.9	27.6	14.8	38.7	24.5	11.6		34.3	20	32.8	18.6	29	230
240		27.8	15.1	38.7	24.7	12.2	35.3	21.6			30.9	17.1	29.4	15.7	25.6	240
250			12.8		21.9		32.3	18.8			27.8	14.4	26.2	12.9	22.4	250
260			10.8		19.6		29.7	16.4			25	12	23.3	10.5	19.6	260
270					17.6			14.2			22.6		20.7		16.9	270
280								12.2			20.4		18.2		14.4	280
290													16		12.1	290
300													14		10	300

TAB 181047 / 181054 / 181061



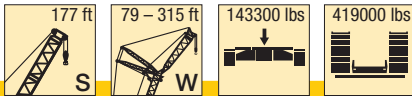
	S 157																					
	W 79			W 98			W 118			W 138			W 157			W 177			W 197			
	87°	77°	67°	87°	77°	67°	87°	77°	67°	87°	77°	67°	87°	77°	67°	87°	77°	67°	87°	77°	67°	
45	418																					45
50	386																					50
55	350			337			325															55
60	319			308			297			289												60
65	294			284			273			266			254									65
70	272			263			253			247			238									70
75	253			244			235			230			221			216			207			75
80	236			228			219			214			206			202			193			80
85	221	183		213			205			201			192			189			180			85
90	208	172		201			193			189			181			177			169			90
95		162		189	155		182			178			170			167			159			95
100		153		179	146		171			168			160			157			150			100
105		144		169	138		162	131		158			151			148			141			105
110		136		158	130		154	124		150	118		143			141			134			110
115		128			124		146	117		143	114		136			133			127			115
120					117		139	111		136	108		129	102		127			120			120
125					111		131	105		129	103		123	96		120	94		114			125
130					106		124	100		123	97		117	91		115	89		108	81		130
135								96		117	93		112	87		109	85		103	78		135
140						72		91	66	112	88		107	82		104	80		99	74		140
150						68		83	63		80		98	74		95	73		90	67		150
160									56		73	54	89	67		87	66		82	60		160
170									51		67	48.6	81	61	42.5	80	60		75	54		170
180									46.3			44		56	38.3	74	54		69	48.9		180
190												39.9		51			49.6	32.6	64	44.2		190
200																	45.3	29	59	40	23.4	200
210																		25.6		36.2	20.2	210
220																		22.7		32.9	17.4	220
230																		20.1		30	14.8	230
240																					12.5	240

TAB 181047 / 181054 / 181061



 ft	S 157														 ft
	W 217			W 236			W 256		W 276		W 295		W 315		
	87°	77°	67°	87°	77°	67°	87°	77°	87°	77°	87°	77°	87°	77°	
80	188														80
85	176			169											85
90	165			159											90
95	155			149			144		140						95
100	146			140			136		132		127				100
105	138			132			128		124		119		108		105
110	131			125			121		117		113		106		110
115	124			118			114		111		106		101		115
120	117			112			108		105		100		96		120
125	111			106			102		99		95		90		125
130	106			101			97		94		90		85		130
135	101			96			92		89		85		81		135
140	96	68		91			87		84		81		76		140
150	87	64		83			79		76		72		68		150
160	79	58		75	53		71	49.2	69		65		61		160
170	72	52		68	47.1		65	43.6	62	40.5	59		54		170
180	66	46.6		62	42.1		59	38.7	56	36	53		48.7		180
190	61	42		57	37.6		53	34.2	51	31.6	47.5	28.2	43.5	23.9	190
200	56	37.8		52	33.4		48.6	30.1	46	27.5	42.7	24.2	38.8	20	200
210	52	34	18.1	47.3	29.6	13.6	44.1	26.4	41.6	23.9	38.4	20.6	34.5	16.4	210
220	47.8	30.6	15.3	43.4	26.3	10.8	40.2	23.1	37.7	20.6	34.4	17.3	30.6	13.3	220
230		27.5	12.7	39.8	23.2		36.6	20.1	34	17.5	30.8	14.3	27		230
240		24.7		36.6	20.4		33.3	17.3	30.6	14.7	27.5	11.5	23.7		240
250					17.8		30.3	14.7	27.5	12.1	24.4		20.6		250
260					15.5		27.8	12.4	24.7	9.8	21.6		17.8		260
270					13.5			10.3	22.2		19		15.2		270
280									19.9		16.6		12.8		280
290											14.4				290
300											12.4				300

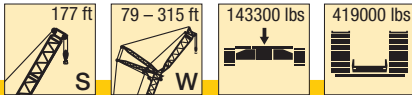
TAB 181047 / 181054 / 181061



G

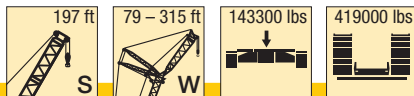
 ft	S 177																					 ft
	W 79			W 98			W 118			W 138			W 157			W 177			W 197			
	87°	77°	67°	87°	77°	67°	87°	77°	67°	87°	77°	67°	87°	77°	67°	87°	77°	67°	87°	77°	67°	
45	400																					45
50	370																					50
55	336																					55
60	307																					60
65	283																					65
70	263																					70
75	244																					75
80	228																					80
85	214																					85
90	202																					90
95		151																				95
100		142																				100
105		134																				105
110		127																				110
115		120																				115
120		114																				120
125																						125
130			77																			130
135			74																			135
140			70																			140
150																						150
160																						160
170																						170
180																						180
190																						190
200																						200
210																						210
220																						220
230																						230

TAB 181047 / 181054 / 181061



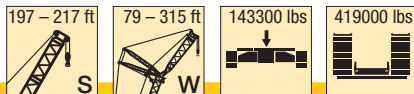
 ft	S 177												 ft
	W 217		W 236		W 256		W 276		W 295		W 315		
	87°	77°	87°	77°	87°	77°	87°	77°	87°	77°	87°	77°	
80	181												80
85	170		162										85
90	159		153										90
95	150		144		139		135						95
100	141		135		131		127		120				100
105	133		128		123		119		115		101		105
110	126		121		116		113		108		100		110
115	119		114		110		106		102		96		115
120	113		108		104		101		96		92		120
125	107		102		98		95		91		86		125
130	102		97		93		90		86		81		130
135	97		92		88		85		82		77		135
140	92	61	88		84		81		77		73		140
150	84	58	79		76		73		69		65		150
160	76	51	72	46.6	68		66		62		58		160
170	70	45.9	65	41.2	62	37.4	59	34.7	56		52		170
180	64	41.1	59	36.5	56	33.1	54	30.5	50		46.2		180
190	58	36.7	54	32.3	51	28.9	48.5	26.4	45.1	22.9	41.1		190
200	54	32.8	49.4	28.4	46.2	25.1	43.8	22.6	40.5	19.2	36.5	15	200
210	49.3	29.1	45	24.8	41.9	21.6	39.4	19.1	36.2	15.8	32.3		210
220	45.6	25.9	41.2	21.6	38	18.5	35.6	16	32.4	12.8	28.5		220
230		23	37.7	18.8	34.5	15.6	32	13.2	28.8		25		230
240		20.3	34.6	16.1	31.3	13	28.7		25.6		21.8		240
250		17.9		13.6	28.4		25.7		22.6		18.8		250
260		15.8		11.4	25.9		23		19.8		16		260
270							20.5		17.3		13.5		270
280							18.2		14.9		11.1		280
290									12.7				290
300									10.8				300

TAB 181047 / 181054 / 181061



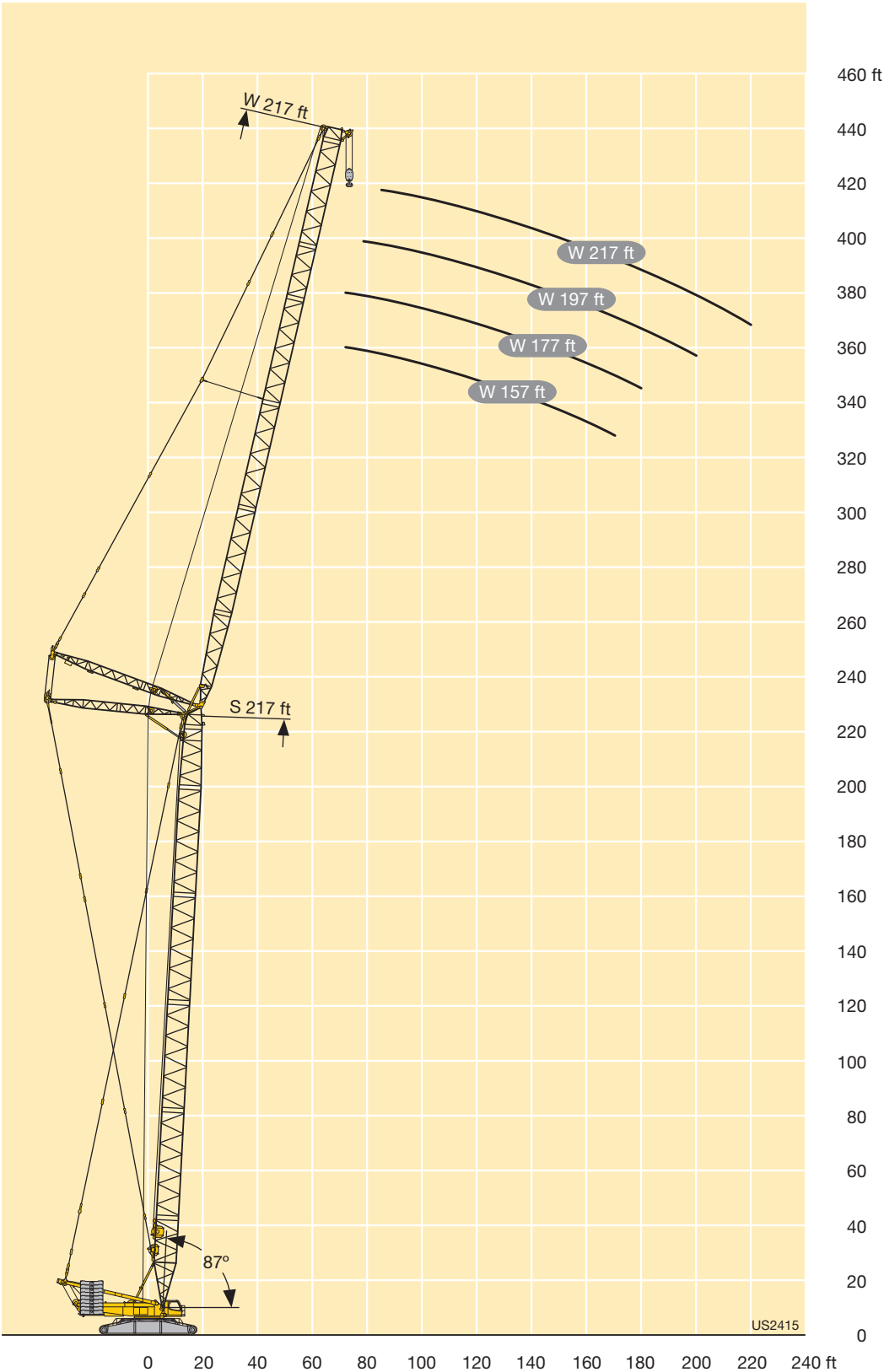
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	W 79			W 98			W 118			W 138			W 157			W 177			W 197		
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45	383																				45
50	354																				50
55	323			311																	55
60	296			285			276														60
65	272			263			255			246			237								65
70	253			244			237			231			222								70
75	236			227			220			215			207			201					75
80	220			212			206			201			193			187			181		80
85	206			199			193			189			181			176			169		85
90	194			187			181			177			170			165			159		90
95				176			171			167			160			155			150		95
100		132		167			161			158			151			146			141		100
105		124		158	119		153			149			143			138			133		105
110		118		150	112		145	105		142			135			131			126		110
115		111			106		138	101		135			128			124			120		115
120		105			100		131	96		128	93		122			118			113		120
125		100			95		125	91		122	88		116			112			108		125
130		95			90		119	86		116	84		110	76		107			102		130
135					86			82		111	80		105	73		102			98		135
140			57		82			78		107	76		101	70		97	63		93	59	140
150			54					71			68		92	63		89	59		85	55	150
160						43.6		64			62		84	56		81	53		77	49.3	160
170						38.9		59	34.9		56	32.9		51		74	47.9		71	44	170
180						34.6			31.2		52	29.3		46.1		69	43.2		65	39.4	180
190									27.6			25.8		41.8	20.2		38.9		60	35.2	190
200												22.6		37.9	17.1		35	14.3	55	31.4	200
210															14.3		31.5		28		210
220															11.8		28.5		24.9		220
230																			22.1		230
240																			19.6		240

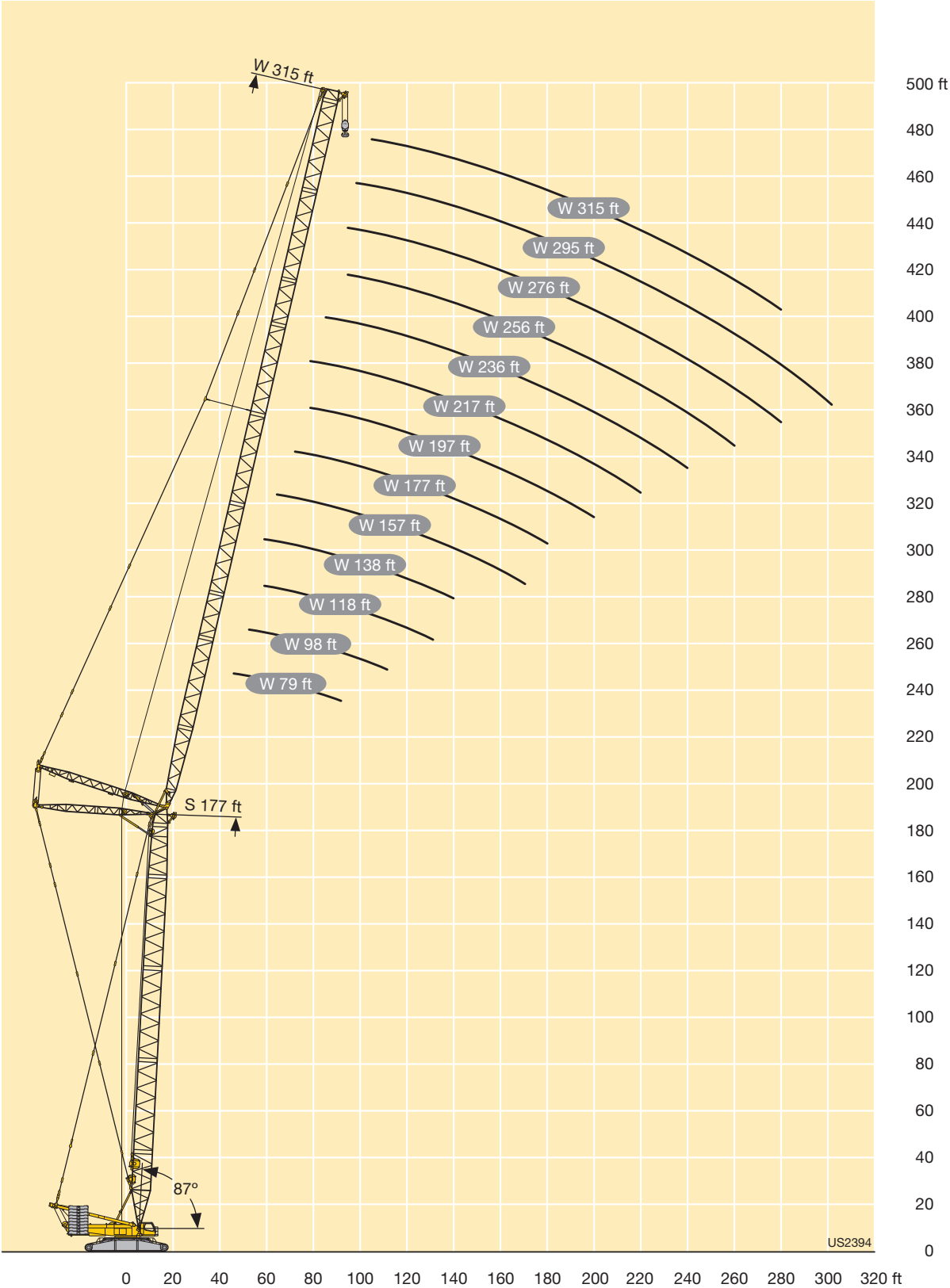
TAB 181047 / 181054 / 181061

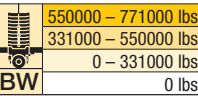


 ft	S 197																S 217								 ft
	W 217		W 236		W 256		W 276		W 295		W 157		W 177		W 197		W 217								
	87°	77°	87°	77°	87°	77°	87°	77°	87°	77°	87°	77°	87°	77°	87°	77°	87°	77°							
75											199		195						75						
80											186		182			174			80						
85	163		156								174		171			163		156	85						
90	153		147								164		161			153		147	90						
95	144		138		136						154		151			144		139	95						
100	136		130		128		122		112		145		143			136		131	100						
105	128		123		120		115		110		137		135			128		123	105						
110	121		116		114		108		104		130		128			121		116	110						
115	115		110		108		102		98		123		121			115		110	115						
120	109		104		102		96		92		117		115			109		104	120						
125	103		98		96		91		87		111		110			103		99	125						
130	98		93		91		86		82		106	68	104			98		94	130						
135	93		89		87		82		78		101	66	100			94		89	135						
140	89		84		83		78		74		97	62	95	58		89		85	140						
150	81		76		75		70		66		88	55	87	54		81		77	150						
160	73	45.2	69	40.5	67		63		59		81	49.6	79	48.5		74	42.6	70	38.6	160					
170	67	40.1	62	35.4	61	33.8	57		53		74	44.5	73	43.4		68	37.7	64	33.8	170					
180	61	35.6	57	31	56	29.8	51		47.6			40	67	38.9		62	33.4	58	29.6	180					
190	56	31.5	52	27	50	25.8	46	21.2	42.7	17.7		36		34.9		57	29.5	53	25.8	190					
200	51	27.8	46.9	23.4	45.8	22.2	41.4	17.6	38.1	14.2		32.3		31.2		52	26	48.6	22.3	200					
210	47	24.4	42.7	20	41.5	18.9	37.2	14.4	33.9					27.8			22.7	44.5	19.1	210					
220	43.3	21.4	38.9	17	37.7	15.9	33.5	11.5	30.2					24.9			19.9	40.9	16.3	220					
230		18.6	35.5	14.3	34.2	13.2	30		26.8								17.3		13.7	230					
240		16	32.5	11.8	31		26.8		23.6								14.9		11.3	240					
250		13.7			28.1		23.8		20.7											250					
260		11.7			25.4		21.1		18											260					
270							18.7		15.5											270					
280							16.5		13.2											280					
290									11.1											290					
300									9.2											300					

TAB 181047 / 181054 / 181061







B B2 BW

550000 – 771000 lbs

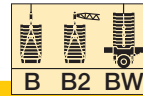
331000 – 550000 lbs

0 – 331000 lbs

0 lbs

ft		HS 138																							
		W 79				W 98				W 118				W 138				W 157				W 177			
		87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°
45	- B B2 BW	423 705 705				405 705 705																			
50	- B B2 BW	389 705 705				373 705 705																			
55	- B B2 BW	352 705 705	341 705 705			337 694 699				326 611 618															
60	- B B2 BW	320 700 703	311 705 705			307 671 684	298 704 705			297 594 602	287 624 632			290 523 527				280 452 455							
65	- B B2 BW	294 672 692	285 705 705			282 645 663	273 695 705			273 580 587	264 610 620			266 511 516	255 532 533			258 445 449				249 386 387			
70	- B B2 BW	272 628 638	263 674 684			261 615 626	252 660 679			252 563 571	244 592 607			247 500 506	238 524 529			238 437 441				233 381 383			
75	- B B2 BW	253 581 583	244 628 638			242 579 583	234 620 638			234 545 552	226 569 586			229 488 493	221 514 521			221 430 433	214 447 451			216 375 378			
80	- B B2 BW	235 534 533	228 578 580	199 636 692		225 540 537	218 577 587			217 521 526	210 542 558			213 476 477	206 502 510			206 422 425	199 440 445			202 369 371	194 383 384		
85	- B B2 BW	220 488 486	213 531 532	186 600 652		210 496 493	203 535 533	176 589 639		203 489 489	196 512 526			199 464 460	192 489 496			192 412 417	186 433 438			188 361 363	181 375 377		
90	- B B2 BW	205 433 432	200 489 490	174 567 624		197 460 458	191 492 492	165 560 608		191 457 455	184 482 490			187 443 438	180 472 478			181 403 408	174 425 430			177 351 353	170 367 369		
95	- B B2 BW		163 426 425			186 429 427	179 458 457	155 531 577		179 425 423	173 453 455			176 420 416	170 450 454			170 392 396	163 415 420			166 341 344	160 358 361		
100	- B B2 BW		154 510 554			175 397 395	169 428 426	146 504 547		169 395 394	163 424 423	140 497 541		166 396 393	160 424 426			160 378 382	154 404 407			156 332 335	151 349 352		
105	- B B2 BW		145 484 523			164 360 359	160 399 398	137 479 518		159 371 371	153 395 393	131 473 515		156 373 371	151 396 396	129 470 510		151 361 363	145 392 394			148 323 325	142 340 343		
110	- B B2 BW		136 462 484			154 319 318	150 362 362	130 457 485		151 351 350	145 371 370	124 452 483		148 350 349	143 372 371	121 448 485		143 345 345	137 369 370	114 428 434			140 313 316	134 331 335	
115	- B B2 BW		125 400			141 313 311	123 436 449			143 329 329	138 350 350	117 431 451		141 329 331	135 349 349	115 429 454		135 327 328	130 347 347	109 419 429			132 304 307	127 321 323	
120	- B B2 BW		101 404 445			116 418 422	135 311 312	111 449 451		134 307 306	128 329 329	105 411 419		134 312 312	128 329 328	109 410 422		128 309 310	123 326 325	103 404 416			126 294 298	120 311 310	101 346 351
125	- B B2 BW		94.6 385 425			109 395 395	88.7 379 417	128 308 307	105 389 389	127 297 297	122 311 310	103 391 392		127 297 298	122 311 310	103 391 392		122 291 293	117 309 308	97.7 388 391			119 284 287	114 300 296	95.3 341 346
130	- B B2 BW		89.2 368 406			102 369 368	84 364 401	121 252 249	99.7 365 364	121 282 282	116 297 296	97.7 369 368		121 282 283	116 297 296	97.7 369 368		116 276 278	111 292 290	92.6 366 367			113 273 273	109 289 281	90.3 334 339
135	- B B2 BW						79.2 351 385				94.7 345 345			115 266 266	110 282 281	93.1 348 347		110 264 265	106 278 276	88 346 346			108 262 261	104 276 269	85.8 328 328
140	- B B2 BW						74.4 338 369				89.7 327 328	67.3 353 337		108 250 249	104 267 267	88.6 327 326		105 253 253	101 265 264	83.6 326 325			103 251 248	98.8 263 260	81.4 313 315
150	- B B2 BW						66 312 340				79.8 280 281	63.3 308 338			93.6 225 225	79.5 291 291		94.7 227 227	91.2 240 239	75.4 290 290			93.9 230 227	89.9 239 237	73.6 288 288

TAB 181391 / 181393 / 181397

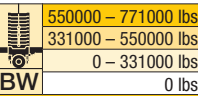


550000 – 771000 lbs
331000 – 550000 lbs
0 – 331000 lbs
0 lbs

ft		HS 138																				0 lbs																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
		W 79				W 98				W 118				W 138				W 157					W 177																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
		87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
160	- B B2 BW																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												</

TAB 181391 / 181393 / 181397

H



B B2 BW

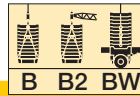
550000 - 771000 lbs

331000 - 550000 lbs

0 - 331000 lbs

0 lbs

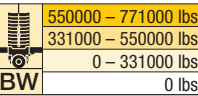
ft		HS 138																											
		W 197				W 217				W 236				W 256				W 276				W 295				W 315			
		87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°
75	-	208																											
	B	321																											
	B2	322																											
	BW	322																											
80	-	194				189				184																			
	B	317				274				235																			
	B2	319				275				235																			
	BW	319				275				235																			
85	-	181	173			177				172				166															
	B	313	320			271	276			233				197															
	B2	315	322			272	277			234				197															
	BW	315	322			272	277			234				197															
90	-	170	163			166	159			161				156															
	B	310	318			268	274			231				195															
	B2	312	320			270	275			232				195															
	BW	312	320			270	275			232				195															
95	-	159	153			156	149			151	145			146				140				137							
	B	306	315			265	272			229	232			193				167				143							
	B2	308	317			267	273			229	233			193				167				143							
	BW	308	317			267	273			229	233			193				167				143							
100	-	150	144			146	140			142	136			138	131			132				129				118			
	B	302	312			262	269			227	231			190	193			166				141				119			
	B2	304	314			263	271			227	231			191	193			166				142				119			
	BW	304	315			264	271			227	231			191	194			166				142				119			
105	-	141	135			138	132			134	128			129	124			124	118			121				116			
	B	298	309			258	266			224	229			188	192			164	166			140				117			
	B2	301	311			260	268			225	229			189	192			164	166			140				117			
	BW	301	312			260	268			225	229			189	192			164	166			140				117			
110	-	133	128			130	125			127	121			122	117			117	111			114	107			109			
	B	295	305			254	263			222	227			186	189			162	164			139	140			116	116		
	B2	297	307			256	265			223	228			187	190			163	165			139	140			116	116		
	BW	297	309			257	265			223	228			186	190			163	165			139	140			116	116		
115	-	126	121			123	118			120	114			115	110			110	105			108	102			103	93.8		
	B	289	302			251	260			219	224			184	187			160	163			137	139			114	116		
	B2	292	302			252	262			220	226			184	188			161	163			138	139			115	115		
	BW	292	306			253	262			220	226			184	188			161	163			138	139			115	116		
120	-	120	114			117	112			113	108			109	104			104	98.7			102	96.5			97	91.7		
	B	282	299			247	256			216	222			181	186			159	162			136	138			113	114		
	B2	285	297			249	258			217	224			182	186			159	162			136	138			113	114		
	BW	285	303			249	259			217	224			182	186			159	162			136	138			113	114		
125	-	113	108			111	106			107	102			103	98.2			98.1	93.1			96.1	91.1			91.4	86.4		
	B	275	295			243	253			213	220			179	184			157	160			135	137			111	113		
	B2	276	291			245	255			215	221			180	184			158	160			135	137			112	113		
	BW	277	298			245	255			215	221			180	184			158	161			135	137			112	113		
130	-	108	103	84.4		105	100			102	96.9			97.9	93			92.9	88			90.9	86			86.3	81.4		
	B	268	282	303		239	250			211	217			177	182			155	159			133	135			110	112		
	B2	268	279	307		241	252			212	219			178	182			156	159			134	136			110	112		
	BW	269	285	307		241	252			212	219			178	182			156	159			134	136			110	112		
135	-	103	98	80		99.9	95.3			96.8	92.1			93	88.3			88.1	83.3			86.2	81.5			81.7	76.9		
	B	258	270	301		235	245			208	215			175	180			154	157			132	134			109	110		
	B2	258	268	304		237	247			209	216			176	181			154	158			132	134			109	110		
	BW	259	272	305		238	247			209	217			176	181			154	158			132	134			109	110		
140	-	97.7	93.2	75.7		95	90.5	69.5		92	87.5	66.4		88.3	83.7			83.5	78.9			81.6	77.1			77.3	72.6		
	B	247	257	298		231	240	251		205	212	212		173	178			152	155			131	133			107	109		
	B2	247	256	301		233	241	253		206	214	213		174	179			152	156			131	133			107	109		
	BW	248	259	301		234	241	253		207	214	213		174	179			153	156			131	133			107	109		
150	-	88.8	84.5	68		86.2	81.9	65.5		83.3	79	62.5		79.7	75.4			75	70.7			73.3	69			69.1	64.7		
	B	226	234	282		219	228	249		199	207	211		169	174			148	152			128	131			104	106		
	B2	225	233	283		221	228	250		200	209	213		170	175			149	153			128	131			104	107		
	BW	225	235	284		221	228	252		201	209	213		170	175			149	153			129	131			104	107		
160	-	80.6	76.6	61.2		78.3	74.3	58.8		75.5	71.4	55.8		72.1	68	52.3		67.5	63.3			65.8	61.8			61.7	57.6		
	B	205	215	258		203	214	244		192	202	210		165	171	173		145	149	147		126	128			101	104		
	B2	205	213	257		204	213	243		193	203	212		166	172	174		146	150	148		126	129			102	104		
	BW	205	2																										



550000 – 771000 lbs
331000 – 550000 lbs
0 – 331000 lbs
0 lbs

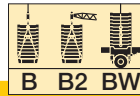
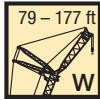
ft		HS 138																												0 lbs	
		W 197				W 217				W 236				W 256				W 276				W 295				W 315					
		87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°		
220	- B B2 BW			33.1	19.6	45	42.7	31.2	17.4	43.6	40.4	28.4	14.6	40.5	37.4	25.3	11.4	36.2	33.1	21		34.8	31.7	19.6		31	27.9	15.6			
				155	183	120	131	154	182	127	133	151	178	127	130	149	151	122	125	138	122	111	115	119		85	88.8	92.1			
				155	183	120	130	155	183	127	133	152	177	127	131	149	142	122	125	139	107	112	116	120		86.2	89.1	92.7			
230	- B B2 BW			30.1	17			38.2	28.1	14.7	38.9	36.3	25.2	11.9	36.6	33.8	22.2	8.7	32.6	29.6	17.8		31.1	28.1	16.5		27.4	24.4	12.5		
				132	169			108	144	169	116	123	141	167	118	122	139	151	114	118	133	124	107	113	119		82.3	86.6	90.7		
				133	169			107	144	168	115	123	141	166	118	122	139	153	114	118	133	125	108	114	119		83.9	86.9	91.3		
240	- B B2 BW			14.6																											
				157						25.3	12.2	34.6	32.5	22.3	9.4	33.1	30.6	19.3		29.3	26.3	15		27.7	24.8	13.6		24	21.1	9.7	
				156						133	155	101	112	132	155	109	114	129	148	107	110	125	125	103	109	117	102	79.9	84.3	89.3	
250	- B B2 BW																														
260	- B B2 BW																														
270	- B B2 BW																														
280	- B B2 BW																														
290	- B B2 BW																														
300	- B B2 BW																														
310	- B B2 BW																														
320	- B B2 BW																														
330	- B B2 BW																														
340	- B B2 BW																														
350	- B B2 BW																														
360	- B B2 BW																														

TAB 181391 / 181393 / 181397



ft		HS 157																							
		W 79				W 98				W 118				W 138				W 157				W 177			
		87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°
45	- B B2 BW	418 705 705				674 681 681																			
50	- B B2 BW	386 705 705				352 658 666																			
55	- B B2 BW	349 700 705	337 705 705			337 637 647				325 560 568															
60	- B B2 BW	319 683 699	308 704 705			307 617 628	296 656 671			297 546 555				289 480 485											
65	- B B2 BW	293 644 667	283 698 705			283 596 608	272 638 654			273 532 540	260 559 570			266 471 477	487 496 496			254 411 414				249 358 359			
70	- B B2 BW	271 608 628	262 662 687			262 574 586	252 620 637			253 517 526	243 548 561			246 461 466	229 482 490			238 404 408				233 353 355			
75	- B B2 BW	252 572 585	243 625 649			243 549 562	234 599 616			235 503 512	226 535 547			229 450 456	220 473 482			221 396 402	213 414 418			217 347 351			
80	- B B2 BW	235 536 542	226 588 598			226 523 534	218 574 589			219 486 497	210 516 531			213 439 446	205 464 473			206 389 395	198 407 413			202 342 346	194 355 358		
85	- B B2 BW	220 500 498	212 547 547	180 647 694		212 497 500	203 544 553			205 468 480	197 494 511			200 429 437	192 455 465			193 381 386	185 401 407			189 335 339	181 349 354		
90	- B B2 BW	208 457 456	199 503 506	169 616 628		199 471 470	191 508 513			192 448 459	185 471 488			188 416 422	180 445 457			181 374 379	174 395 402			177 327 331	170 343 348		
95	- B B2 BW	188 461 460	159 585 627			187 442 438	152 573 613			181 426 433	174 448 464			177 404 405	169 434 445			170 366 372	163 387 394			167 320 323	160 337 341		
100	- B B2 BW	149 557 593	199 547 596			177 410 406	143 549 587			171 403 405	164 426 438	137 534 567		166 390 386	159 419 429			161 357 363	154 378 385			157 312 315	150 329 334		
105	- B B2 BW	131 530 558	168 416 414	134 523 560		168 373 371	134 523 560			161 381 380	154 404 411	129 514 551		157 373 368	150 401 406			151 347 352	145 371 377			149 304 307	142 321 326		
110	- B B2 BW	126 505 517	133 334 333	127 380 378		159 334 334	127 500 525			153 360 360	146 383 385	121 493 525		149 354 358	143 381 383	116 465 480		143 338 341	137 359 363			141 296 299	134 313 318		
115	- B B2 BW	126 477 479	145 343 340	120 475 489		145 343 340	120 475 489			145 339 339	139 363 363	115 472 489		141 335 333	135 360 360	111 457 458		136 326 327	130 347 349			133 289 291	127 305 310		
120	- B B2 BW	114 449 454	132 317 316	109 343 342		138 317 316	109 449 452			138 317 317	132 343 343	103 449 452		134 318 318	128 339 339	105 443 449		129 311 312	123 333 333	100 393 402		127 281 284	121 297 300		
125	- B B2 BW	89.1 427 458	108 292 291	103 322 320		108 292 291	103 322 320			132 292 292	126 322 320	103 420 421		128 303 303	122 319 319	99.8 422 422		123 295 296	117 318 317	94.7 386 396		120 273 276	114 290 289	92.3 324 330	
130	- B B2 BW	84.5 397 410	103 265 264	77.6 298 307		103 265 264	77.6 298 307			125 265 265	120 298 298	97.8 393 394		122 288 288	116 304 303	94.7 395 393		117 281 281	111 301 300	89.7 373 387		114 265 267	109 282 278	87.5 320 326	
135	- B B2 BW	79.9 395 424	108 292 291	74.7 390 418		108 292 291	74.7 390 418			116 272 272	111 289 288	93.2 371 371		116 272 272	111 289 288	90.2 371 370		112 268 268	106 285 285	85.2 358 368		109 258 259	104 273 268	83.1 314 320	
140	- B B2 BW	75.3 380 408	108 292 291	70.8 375 403		108 292 291	70.8 375 403			111 255 255	106 274 273	85.8 349 349		107 257 257	106 274 273	85.8 349 349		107 257 257	101 271 271	80.9 342 346		104 251 250	99 263 257	78.8 306 314	
150	- B B2 BW	63.7 349 375	108 292 291	63.7 349 375		108 292 291	63.7 349 375			111 255 255	106 274 273	85.8 349 349		107 257 257	106 274 273	85.8 349 349		107 257 257	101 271 271	80.9 342 346		104 251 250	99 263 257	78.8 306 314	

TAB 181391 / 181393 / 181397



550000 – 771000 lbs
331000 – 550000 lbs
0 – 331000 lbs
0 lbs

ft 		HS 157																				0 lbs				
		W 79				W 98				W 118				W 138				W 157				W 177				
		87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°					
160	- B B2 BW												53.1			70.7	50.4	88.6	84.1	66.2		87.1	82.3	64.3		
													321			278	319	203	222	276		214	225	266		
													347			278	344	202	220	276		213	219	276		
													326			278	324	203	222	276		215	225	272		
170	- B B2 BW												47.8			63.6	45.2	80.6	75.4	60.1	40.2	80.1	74.9	58.3		
													301			252	299	170	194	250	293	194	206	247		
													325			253	322	168	193	250	317	193	202	249		
													305			251	303	170	194	250	298	195	207	248		
180	- B B2 BW												43.4								54.9	36.1	71.8	67.9	53	
													281			230	276				172	186	227			
													297				295				230	293	171	184	226	
													287				285				230	281	172	186	227	
190	- B B2 BW																				50.2	32.1		61.9	48.3	30.4
																								160	210	257
																								159	209	263
																								160	210	260
200	- B B2 BW																				28.5			44.1	26.8	
																								195	239	
																								194	242	
																								194	240	
210	- B B2 BW																				25.3				23.6	
																										218
																										220
																										218
220	- B B2 BW																				22.7				20.8	
																										200
																										202
																										201
230	- B B2 BW																									18.2
																										185
																										186
																										186

TAB 181391 / 181393 / 181397

H



550000 - 771000 lbs
331000 - 550000 lbs
0 - 331000 lbs
0 lbs

B B2 BW

ft		HS 157																											
		W 197				W 217				W 236				W 256				W 276				W 295				W 315			
		87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°
75	- B B2 BW	210 301 302 303																											
80	- B B2 BW	196 298 299 300				190 257 258 258				221 222 222																			
85	- B B2 BW	183 294 296 296	175 301 303 304			177 254 256 256				172 219 220 220				166 186 187 187															
90	- B B2 BW	172 290 293 293	165 299 301 302			166 252 253 253				162 217 218 219				157 185 185 185															
95	- B B2 BW	162 287 289 290	155 296 299 299			156 249 250 251	149 255 257 257			152 215 216 217				147 183 183 183				141 158 159 159											
100	- B B2 BW	153 283 285 286	146 293 296 297			147 245 247 248	140 253 255 255			143 213 214 214	136 218 218 219			138 181 181 181	124 184 184 184			133 157 157 157				130 135 135 135				113 113 113 113			
105	- B B2 BW	144 279 282 283	137 291 294 294			139 242 244 245	132 251 253 253			135 211 212 212	128 216 217 217			130 178 179 179	124 182 182 183			125 155 156 156	118 157 157 157			122 133 133 134				111 111 111 112			
110	- B B2 BW	136 275 278 279	130 287 291 291			131 239 241 241	125 248 250 250			128 208 210 210	121 214 215 216			123 176 177 177	117 180 181 181			118 154 154 154	111 156 156 156			115 132 132 132	107 133 133 133			109 110 110 110			
115	- B B2 BW	129 271 274 275	123 284 288 288			124 235 237 237	118 244 247 247			121 205 207 207	114 212 213 214			116 174 175 175	110 178 179 179			111 152 153 153	105 155 155 155			109 131 131 131	103 132 132 132			104 109 109 109			
120	- B B2 BW	122 266 271 270	116 281 285 285			118 231 234 234	112 241 244 244			114 203 205 205	108 210 211 212			110 172 173 173	104 177 177 178			105 150 151 151	98.8 154 154 154			103 130 130 130	96.7 131 132 132			98 107 107 108	91.8 109 109 109		
125	- B B2 BW	116 262 267 266	110 277 282 282			112 228 230 231	106 238 241 241			108 200 202 202	102 208 209 210			104 170 171 171	98.4 175 176 176			99.1 149 150 150	93.2 152 153 153			97.2 129 129 129	91.3 130 131 131			92.5 106 106 106	86.5 108 108 108		
130	- B B2 BW	110 259 263 263	105 271 275 276	82.1 283 288 288		106 224 226 227	100 235 238 238			103 198 200 200	97.2 205 207 207			98.9 168 169 170	93.3 171 174 174			93.8 147 148 148	88.2 151 151 151			91.9 127 128 128	86.3 129 130 130			87.4 105 105 105	81.6 106 107 107		
135	- B B2 BW	105 252 256 256	99.8 266 268 269	79 283 289 289		101 221 223 223	95.5 231 234 235			97.8 195 197 197	92.4 203 205 205			94 166 167 168	88.6 171 173 173			89.1 146 146 147	83.5 149 150 150			87.2 126 126 126	81.7 128 129 129			82.7 103 104 104	77.2 105 105 106		
140	- B B2 BW	100 245 248 248	95.1 261 262 262	74.8 283 289 289		96.1 217 220 220	90.8 228 230 232	67 235 238 239		93.1 192 194 194	87.8 200 202 203			89.3 164 165 166	84 170 171 171			84.4 144 145 145	79.1 148 149 149			82.7 125 125 125	77.3 127 128 128			78.3 102 102 102	72.8 104 104 104		
150	- B B2 BW	91.3 228 229 230	86.3 244 244 244	67.2 276 285 283		87.2 208 211 211	82.2 221 222 225	63.1 234 238 238		84.3 187 189 189	79.3 196 198 198			80.7 160 162 162	75.7 166 168 168			76 141 141 142	70.9 145 146 146			74.3 122 123 123	69.3 125 125 126			70.1 99.4 99.6 99.7	64.9 102 102 102		
160	- B B2 BW	83.3 211 210 212	78.6 224 223 223	60.5 262 272 269		79.3 199 201 201	74.6 212 211 216	56.5 232 236 236		76.5 182 184 184	71.8 191 194 193	53.6 198 200 201		73.1 157 158 159	68.3 163 164 164	50 166 166 166		68.4 137 138 138	63.6 142 143 143			66.9 119 120 120	62.1 123 123 124			62.7 96.7 97.1 97.2	57.9 99.1 99.6 99.5		
170	- B B2 BW	76.3 196 196 196	71.8 205 204 204	54.5 244 249 249		72.3 189 190 189	67.8 198 197 200	50.6 229 233 233		69.6 176 177 177	65.1 185 188 188	47.8 197 200 200		66.2 153 155 155	61.7 160 161 161	44.3 164 166 165		61.7 134 135 135	57.2 139 140 140	39.2 138 140 139		60.2 118 118 118	55.7 121 121 121			56.1 94.7 94.6 94.6	51.5 96.7 97.1 97.2		
180	- B B2 BW	69.4 180 181 180	65.7 190 189 189	49.4 226 227 226		66.2 177 177 177	62 184 183 184	45.5 219 222 222		63.5 170 171 171	59.3 176 178 178	42.8 196 199 199		60.3 150 152 152	56 156 158 158	39.4 163 165 165		55.8 131 132 132	51.5 136 138 138	34.7 139 139 139		54.4 114 115 115	50.1 118 119 119	33.3 117 117 117		50.4 91.6 91.9 92.2	46 94.5 94.8 94.9		
190	- B B2 BW	63.3 164 164 164	60.1 174 173 174	44.7 208 207 207		60.7 164 165 164	56.6 171 170 171	40.9 204 205 205		58 161 162 162	53.9 159 167 168	38.2 191 187 184		54.8 147 149 149	50.7 152 153 153	34.9 162 164 164		50.4 128 129 129	46.3 133 135 135	30.3 137 138 138		49 112 113 113	44.9 116 117 117	28.9 116 117 117		45.1 89.1 89.4 89.8	40.9 92.1 92.5 92.5	24.7 91.8 92.4 92.5	
200	- B B2 BW	57.9 145 144 145	54.9 157 157 157	40.4 191 190 191	23.1 237 242 240	55.7 152 152 151	51.8 159 158 159	36.7 188 187 188		53 151 152 151	49.1 157 156 158	34 183 177 185		49.9 143 144 145	45.9 148 148 148	30.7 160 162 162		45.5 125 126 127	41.6 131 132 132	26.2 136 138 138		44.2 109 110 110	40.2 114 115 115	24.9 116 116 116		40.3 86.6 87 87.3	36.3 89.7 90.4 90.5	20.8 90.9 91.5 91.6	
210	- B B2 BW			36.5 178 177 178	19.9 219 218 218	51.1 138 138 138	47.5 147 146 147	32.8 173 207 172	16.2 198 207 202	48.5 141 141 140	44.7 147 146 147	30.1 172 169 171	13.4 158 158 158	45.4 136 137 137	41.6 143 143 143	27 158 158 159		41 123 124 124	37.2 128 130 130	22.5 135 137 137		39.7 107 108 108	35.9 112 113 113	21.2 114 116 116		35.8 83.9 84.5 84.7	32 87.6 88.2 88.3	17.1 89.9 90.4 90.6	

TAB 181391 / 181393 / 181397

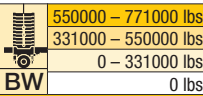


550000 – 771000 lbs
331000 – 550000 lbs
0 – 331000 lbs
0 lbs

B B2 BW

ft		HS 157																																		
		W 197								W 217								W 236								W 256										
		87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°			
220	- B B2 BW			33.2 165 164 164	17 200 200 200	47 123 123 123	43.7 134 133 134	29.5 161 161 161	13.4 187 195 191	44.5 130 130 129	40.8 137 136 137	26.8 159 156 159	10.6 172 175 175	41.4 129 128 129	37.7 134 134 134	23.6 154 151 154	140 140 135 137	37.1 118 119 119	33.4 126 127 127	19.2 134 136 136		35.7 105 106 106	32 110 111 111	17.9 114 115 115		31.9 81.2 81.8 81.9	28.2 84.8 85.7 85.8	13.9 88.6 89.4 89.5								
230	- B B2 BW			30.2 150 150 149	14.4 183 184 184			39.3 115 114 114	26.4 176 181 179	40.2 119 119 118	37.2 126 146 126	23.6 148 170 173	8.1 170 143 145	37.7 120 120 120	34.2 125 125 125	20.6 143 145 145		33.4 112 113 114	29.9 120 121 120	16.2 132 134 134		32 102 103 104	28.5 108 109 109	14.9 113 114 115		28.2 78.5 79.1 79.2	24.7 82.3 83.1 83.3	10.9 87.5 88.3 88.3								
240	- B B2 BW				12.1 169 169 169				23.6 140 140 140			36.3 105 104 105	33.9 115 115 115	20.8 138 138 138				34.3 111 111 111	30.9 117 116 116	17.7 135 134 135		30 107 107 108	26.6 112 113 113	13.4 116 118 118		28.6 99.6 100 101	25.2 105 106 106	12.1 112 114 114		24.8 75.8 76.5 76.7	21.4 79.7 80.6 80.8					
250	- B B2 BW				156 155 156				154 154 154				18.1 129 129 129					31.2 102 102 102	27.9 108 108 108	15.1 125 125 125		26.9 101 100 102	23.6 105 105 106	10.8 118 119 120		25.4 97.1 97.5 97.7	22.1 101 102 102		21.7 73.7 74.2 74.5	18.4 77.3 78.2 78.3						
260	- B B2 BW				147 147 147				143 143 143				15.8 120 120 120					28.6 91.7 91.4 91.3	25.3 99.2 99 99.4	12.7 117 117 117		24.1 94.2 93.9 94.6	20.9 98.3 98.5 98.7	8.4 113 113 112		22.6 94.1 94.1 94.4	19.4 96.8 97 97.3		18.8 71.9 72.4 72.6	15.6 75.6 76.4 76.5						
270	- B B2 BW								134 134 134				13.7 110 110 110						23 83.6 83.4 83.6	10.6 110 110 110		21.6 86.6 86.3 86.8	18.4 91.5 92 91.9	10.8 105 105 105		19.9 88.5 88.4 88.7	16.8 91.8 91.7 92.1		16.2 70.1 70.6 70.8	13.1 73.8 74.7 74.8						
280	- B B2 BW												123 124 123							8.6 102 103 103		19.4 75.8 75 75.3	16.2 83.4 84 83.9	10.8 115 116 116		17.4 81.9 81.8 82.1	14.4 86.1 85.8 86.1		13.7 68.1 68.7 68.8	10.7 72 72.8 72.9						
290	- B B2 BW												116 116 116													92.5 91.8 92.6	109 109 110		75.1 79.2 79.3	79.6 92.2 92.2	101 102 103		66.2 69.7 67 67	69.9 70.7 70.7 70.7	73.2 74.3 74.3 74.3	
300	- B B2 BW												109 109 109													87.1 86.8 87.4	102 102 102		66.3 66.2 66.8	72.2 72.2 72.1	86.3 85.9 86.4	101 101 102		64.8 65.2 65.1	67.3 67.7 67.7	73.3 74.5 74.5
310	- B B2 BW																									79.2 78.9 79.3	94.9 95.3 95.4		60.5 60.5 60.5	80.7 80.3 80.8	95.4 95.5 96	61.4 61.5 61.6	64.8 64.7 64.9	73.1 73.6 73.2	73.4 74.6 74.6	
320	- B B2 BW																									89.4 89.8 89.7			75.2 74.8 75.2	89 89 89.2	53.3 53.2 53.4	60.5 60.2 60.5	70.1 70.5 69.9	73 74.6 74.7		
330	- B B2 BW																									84.7 84.9 84.4				82.7 82.7 82.7				66.4 66.8 66.5	72 74.2 74.3	
340	- B B2 BW																									79.1 79.2 78.8				77 77 76.9				62.9 63.1 63	69.7 71.9 72.2	
350	- B B2 BW																													72.9 73 72.9					57.2 56.9 57.2	66.1 67.9 68.4
360	- B B2 BW																																		62.7 64.4 64.7	
370	- B B2 BW																																		59.7 61.3 61.4	
380	- B B2 BW																																		57 57.7 58	

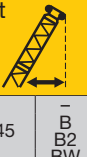
TAB 181391 / 181393 / 181397

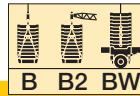


B B2 BW

 550000 – 771000 lbs
 331000 – 550000 lbs
 0 – 331000 lbs
 0 lbs

H

ft 		HS 177																							
		W 79				W 98				W 118				W 138				W 157				W 177			
		87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°
45	-	400																							
	B	703																							
	B2	705																							
	BW	705																							
50	-	369																							
	B	678																							
	B2	689																							
	BW	690																							
55	-	335	322			325				314															
	B	649	697			590				521															
	B2	664	705			598				527															
	BW	666	705			599				527															
60	-	307	294			297	284			287				279											
	B	620	677			570	603			509				448											
	B2	635	699			580	624			515				453											
	BW	636	700			581	624			516				454											
65	-	282	270			273	262			265	250			258				247							
	B	590	650			547	592			496	525			439				384				334			
	B2	607	671			559	608			502	533			445				387				337			
	BW	608	673			559	609			504	533			445				387				337			
70	-	261	250			253	242			245	234			239				231				217			
	B	562	623			525	573			480	513			430				378				331			
	B2	578	644			535	589			489	523			436				382				333			
	BW	580	643			538	590			490	524			436				382				334			
75	-	243	232			236	225			228	218			222	212			215				209			
	B	534	596			503	552			465	500			420	444			372				327			
	B2	549	618			509	569			475	512			426	452			376				329			
	BW	551	614			517	571			476	513			427	452			376				330			
80	-	227	217			220	210			213	203			208	198			201	191			195	185		
	B	506	569			482	531			451	488			411	436			365	382			321	334		
	B2	521	592			482	549			461	501			416	445			369	386			324	337		
	BW	523	583			496	550			461	501			418	445			369	386			325	337		
85	-	213	203			206	196			199	190			194	185			188	179			182	173		
	B	480	541			460	512			435	474			402	429			357	377			316	331		
	B2	494	562			457	529			443	488			408	438			361	383			319	334		
	BW	496	550			472	531			445	489			409	437			362	383			320	334		
90	-	200	191			193	184			187	178			183	174			177	168			171	163		
	B	448	510			438	494			418	458			390	419			350	371			310	326		
	B2	453	516			433	510			424	471			397	428			354	378			313	329		
	BW	453	513			451	510			428	475			398	429			356	378			313	330		
95	-		180	147		182	174			176	168			172	164			166	158			161	153		
	B		472	573		418	475			400	444			377	410			343	365			303	320		
	B2		472	613		411	489			405	452			386	419			348	371			306	324		
	BW		473	585		430	487			412	460			386	421			349	372			307	325		
100	-		138			172	164	133		166	158			162	154			157	149			152	144		
	B		547			397	453	535		384	429			365	400			335	358			296	313		
	B2		585			389	462	573		386	432			374	410			341	364			299	317		
	BW		556			406	459	548		396	444			374	411			342	365			300	318		
105	-		130			163	155	125		157	149	120		153	146			148	140			143	136		
	B		521			369	424	514		368	415	500		352	387			327	352			289	306		
	B2		558			364	424	550		367	413	532		360	398			333	358			291	311		
	BW		529			374	424	522		379	425	514		361	398			333	359			293	311		
110	-		123			155	147	118		149	141	113		145	138	108		140	133			136	128		
	B		497			336	389	491		353	401	482		339	374	437		318	343			281	300		
	B2		533			333	388	526		349	394	516		344	386	452		325	350			284	304		
	BW		505			337	388	499		362	406	493		349	385	452		325	351			285	304		
115	-		117			140	112			142	134	107		138	131	104		133	126			129	122		
	B		475			351	470			337	380	464		326	360	433		308	335			274	293		
	B2		504			349	504			332	374	497		328	372	451		315	341			278	297		
	BW		484			350	478			344	382	473		336	371	452		316	342			278	297		
120	-		111			106				135	128	101		131	124	98.2		126	119			122	115		
	B		455			451				318	356	445		314	346	426		298	327			268	285		
	B2		473			483				312	354	476		313	357	449		304	332			271	290		
	BW		462			458				322	358	454		323	356	445		307	333			271	290		
125	-					101				128	121	95.8		125	118	92.9		120	113	88.1		116	109		
	B					433				293	332	427		302	331	415		289	317	369		261	279		
	B2					463				290	333	457		300	341	446		293	322	380		264	282		
	BW					439				294	334	435		309	341	430		297	323	381		264	283		
130	-				71.6					123	116	90.9		119	113	88.2		114	108	83.4		110	104	78.5	
	B				396					266	305	411		291	316	403		279	307	363		253	272	306	
	B2				427					265	305	436		287	323	429		281	310	375		257	275	313	
	BW				402					266	306	418		295	324	415		287	311	375		258	276	313	
135	-				68.8					86.6				114	108	83.8	</								

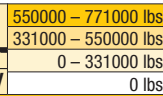
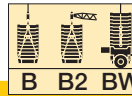


550000 – 771000 lbs
331000 – 550000 lbs
0 – 331000 lbs
0 lbs

ft 		HS 177																								
		W 79				W 98				W 118				W 138				W 157				W 177				
		87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	
160	- B B2 BW							48.9				44.7				65.6		87.4	81.8	61.1		83.9	78.5	57.8		
								318				314				305		205	227	295		211	228	277		
								343				339				307		204	225	305		213	229	279		
								322				320				307		204	227	304		213	230	283		
170	- B B2 BW							43.9				39.8				59.8	37.2	80.5	74.7	55.3		77.1	71.8	52.1		
								298				294				273	291	173	197	273		193	211	264		
								321				318				274	315	172	196	275		194	210	261		
								302				299				275	295	173	196	273		194	211	267		
180	- B B2 BW											35.6				55	33.4			50.3		70.3	66.1	47.2		
												276				236	275			248		171	188	245		
												299				237	297			248		170	187	243		
												281				237	279			248		171	189	246		
190	- B B2 BW																29.7			45.8	25.3		60.6	42.7	22.3	
																	221	255			226	251				
																	280			220	276		163	226	265	
																		263			222	259		164	226	256
200	- B B2 BW																26.4				22			38.7	19	
																					240			206	237	
																					260			207	257	
																					245			207	241	
210	- B B2 BW																				19			35.1	16.1	
																						227			186	224
																						246			186	242
																						231			186	229
220	- B B2 BW																					16.4			32.2	13.5
																						215			159	213
																						226			160	224
																						218			160	217
230	- B B2 BW																									11.2
																										202
																										207
																										204
240	- B B2 BW																									
																										190
																										190
																										190

TAB 181391 / 181393 / 181397

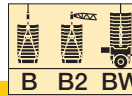
H



0 - 331000 lbs
0 lbs

ft		HS 177																											
		W 197				W 217				W 236				W 256				W 276				W 295				W 315			
		87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°
75	- B B2 BW	203 285 286 286																											
80	- B B2 BW	189 282 283 283				183 244 245 245																							
85	- B B2 BW	177 167 279 286 280 288 280 288				171 241 243 243				166 209 210 210				160 178 179 179															
90	- B B2 BW	166 157 274 284 277 286 277 286				160 239 240 240				156 207 208 208				151 177 177 177															
95	- B B2 BW	156 148 270 282 273 284 274 284				151 142 236 243 237 244 238 244				147 205 206 206				142 175 175 175				138 152 152 152											
100	- B B2 BW	147 139 267 279 270 282 270 282				142 134 233 240 234 242 235 242				138 130 203 208 204 208 204 208				133 173 174 174				130 151 150 150				125 129 129 130				107 108 108 108			
105	- B B2 BW	139 131 262 275 266 278 266 279				134 126 230 239 231 240 232 240				130 122 201 206 202 207 202 207				126 118 171 175 172 175 172 175				122 149 151 149 151 149 151				118 128 128 128				107 107 107 107			
110	- B B2 BW	131 124 259 271 262 275 262 276				127 119 226 236 228 238 228 238				123 116 199 205 199 206 200 206				119 111 169 173 170 174 170 174				115 106 148 150 148 150 148 150				111 101 127 128 127 128 127 128				105 106 106 106			
115	- B B2 BW	124 117 255 268 258 272 258 273				120 113 223 233 225 235 225 235				116 109 196 203 197 204 197 204				112 105 167 171 168 172 168 172				109 102 146 149 146 149 146 149				105 97.5 126 127 126 128 126 128				99.8 104 104 105			
120	- B B2 BW	118 111 250 265 254 269 254 270				113 107 219 229 221 232 222 232				110 103 193 200 194 202 195 202				106 99.1 165 170 166 171 166 171				103 96.2 144 148 145 148 145 148				98.8 91.9 125 127 125 127 125 127				94 87 103 105 103 105 103 105			
125	- B B2 BW	112 105 246 262 250 266 251 266				107 101 216 226 218 229 218 229				104 97.7 190 198 192 200 192 200				100 93.7 163 168 164 169 164 169				97.6 90.8 142 146 143 146 143 147				93.4 86.7 124 126 124 126 124 126				88.7 81.9 102 103 102 104 102 104			
130	- B B2 BW	107 100 242 257 246 262 247 263				102 95.7 212 224 214 226 215 226				99.1 92.6 188 196 190 197 190 198				95.2 88.7 162 166 162 167 162 168				92.4 85.9 141 145 141 145 142 145				88.4 81.8 122 125 122 125 122 125				83.8 77.2 100 102 101 103 101 103			
135	- B B2 BW	102 95.3 237 254 242 259 242 259				97.2 91 209 220 211 223 212 223				94.3 88 185 194 187 195 187 196				90.4 84.2 159 165 160 166 161 166				87.8 81.5 139 143 140 144 140 144				83.8 77.5 121 124 121 124 121 124				79.3 72.9 99.2 101 99.5 102 99.6 102			
140	- B B2 BW	96.8 90.7 64.2 232 250 268 237 256 266 237 256 274				92.5 86.5 60 205 217 223 208 220 227 208 220 227				89.6 83.6 182 191 184 193 185 194				85.9 79.8 157 163 159 164 159 165				83.3 77.2 138 142 138 143 138 143				79.4 73.3 119 123 120 123 120 123				74.9 68.8 98 100 98.3 100 98.3 101			
150	- B B2 BW	88 82.3 60.4 220 241 268 225 245 275 226 246 275				83.9 78.2 56.3 198 211 223 201 214 227 202 215 227				81.1 75.4 178 187 179 189 180 189				77.5 71.8 154 160 155 161 155 161				75.1 69.3 134 139 135 140 135 140				71.3 65.5 117 120 117 121 117 121				67 61.1 95.4 98 95.8 98.3 95.9 98.3			
160	- B B2 BW	80.2 74.8 54.1 208 230 268 213 231 274 213 232 274				76.2 70.8 50.1 191 205 222 195 208 226 195 208 226				73.5 68.1 47.3 173 182 189 175 185 192 175 185 192				70.1 64.7 150 157 152 158 152 158				67.7 62.2 131 136 132 137 132 137				64 58.6 114 118 115 119 115 119				59.8 54.3 92.9 95.9 93.5 96.1 93.5 96.1			
170	- B B2 BW	73.4 68.2 48.5 195 216 266 198 216 273 198 217 270				69.4 64.3 44.6 184 199 220 189 201 225 189 201 225				66.8 61.7 41.8 167 178 188 170 180 192 170 180 192				63.5 58.3 38 147 153 157 148 155 159 149 155 159				61.1 55.9 35.5 128 133 132 129 135 134 129 135 134				57.6 52.4 112 116 112 117 112 117				53.5 48.2 90.6 93.5 91.1 93.8 91 93.9			
180	- B B2 BW	67.4 62.5 43.6 181 198 246 182 197 248 182 198 247				63.5 58.6 39.8 174 192 217 178 193 222 178 193 222				60.9 56 37.1 163 173 187 165 176 191 166 176 191				57.6 52.7 33.7 143 150 157 145 152 159 145 152 159				55.3 50.4 31.3 125 131 132 126 132 134 126 132 134				51.9 46.9 109 113 110 114 110 115				47.8 42.8 88 91.4 88.6 91.7 88.5 91.8			
190	- B B2 BW	62 57.3 39.2 164 178 226 164 178 226 164 178 226				58.2 53.4 35.4 164 180 212 167 180 215 167 180 212				55.5 50.8 32.8 156 168 185 159 171 189 159 172 189				52.3 47.6 29.5 141 147 156 142 148 158 142 149 158				50.1 45.3 27.1 122 128 132 123 130 133 123 130 133				46.7 41.9 23.6 107 111 111 107 112 112 108 113 112				42.7 37.9 19.4 85.7 89.1 88.7 86.2 89.6 89.3 86.1 89.6 89.3			
200	- B B2 BW	57.1 52.6 35.1 15.4 144 159 208 230 143 159 207 243 144 159 208 237				53.3 48.8 31.4 152 166 203 154 165 204 154 165 199				50.7 46.2 28.8 147 162 182 151 164 187 151 165 186				47.5 43 25.6 137 145 155 138 144 157 139 147 157				45.2 40.7 23.2 119 125 131 120 127 133 121 127 133				41.9 37.4 19.8 104 109 111 105 110 112 105 110 112				38 33.4 15.7 83.3 86.7 87.9 83.8 87.5 88.6 83.7 87.5 88.6			
210	- B B2 BW	51.5 48.9 31.5 12.4 191 221 238 251 191 240 238 251 192 225 238 251				48.9 44.5 27.8 138 151 189 193 138 150 189 197 138 150 186 197				46.2 41.8 25.2 138 152 175 142 153 185 142 153 182				43.1 38.8 22 131 142 154 133 140 156 133 144 157				40.8 36.5 19.7 116 123 130 117 125 132 118 125 132				37.5 33.2 16.4 102 107 110 103 108 112 103 108 112				33.7 29.3 12.3 80.5 84.6 87 81.2 85.3 87.7 81.1 85.4 87.7			

TAB 181391 / 181393 / 181397



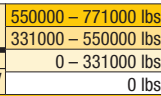
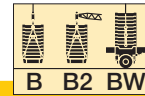
550000 – 771000 lbs
331000 – 550000 lbs
0 – 331000 lbs
0 lbs

B B2 BW

ft 		HS 177																													
		W 197				W 217				W 236				W 256				W 276				W 295				W 315					
		87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°		
220	- B B2 BW			28.3	9.9	45.2	40.9	24.6		42.3	38.1	22		39.2	35	18.9		36.9	32.7	16.6		33.7	29.5	13.3		29.8	25.6	9.2			
				176	209	122	135	175	196	128	142	166	161	124	135	153		112	120	129		99.7	105	110		77.8	81.9	85.9			
				176	223	122	135	175	201	131	141	173	161	127	132	155		113	122	131		101	106	111		78.5	82.8	86.7			
230	- B B2 BW			25.4				37.5	21.7			38.7	34.6	19.1		35.6	31.6	16		33.3	29.2	13.7		30	26	10.4		26.3	22.2		
				157	199			116	162	192	117	129	157	164	117	129	149		108	117	129		97.1	103	109		75	79.5	84.9		
				158	206			116	162	197	118	128	161	168	119	124	150		109	117	131		98.2	105	111		75.7	80.2	85.8		
240	- B B2 BW							19.1				35.5	31.5	16.4		32.3	28.4	13.3		29.9	26	11		26.7	22.8		23	19			
				188				149	184	104	116	148	167	109	122	142	138	104	114	127		94.3	101	108		72.3	77.1	83.6			
				190				149	187	103	115	150	169	110	116	144	140	105	111	129		95.7	102	110		73.1	77.6	84.7			
250	- B B2 BW											13.9			29.3	25.5	10.8		26.8	23			23.6	19.9			19.9	16.1			
				176				134	173			139	168	99.9	111	136	140	99.3	111	126	112		91.4	99.4	108	90.9	70.2	74.7	81.9		
				175				134	173			140	165	100	107	136	142	100	105	125	113		93.1	98.8	109	92.1	70.9	75	83.5		
260	- B B2 BW											11.6			26.7	22.9	8.6		23.9	20.3			20.8	17.2			17.1	13.4			
				162				114	160			128	159	89.9	99.1	128	142	92.8	105	124	113		88.5	98.2	107	92.5	68.4	72.5	80.1	68	
				162				114	159			129	156	89.4	98.3	128	144	93	98.2	121	115		90.3	95.4	109	93.8	69	73.3	82.3	64.5	
270	- B B2 BW											9.6			20.7				21.4	17.8			18.2	14.6			14.5	10.9			
								149				116	148			84.6	120	140	85.8	95.9	118	115		83.1	95	107	94	66.6	70.7	78.6	69
								148				116	147			84.3	119	141	85.4	91.5	115	117		84.9	91.2	109	95.3	67.1	71.6	80.8	69.9
280	- B B2 BW																		19	15.5			15.8	12.3			12.1	8.6			
								138				137				110	135	75.6	86.1	111	116		76.8	89.1	104	95.4	64.4	69	77.3	69.6	
								138				138				110	136	74.3	83.3	108	119		78.8	85.7	106	96.7	65.2	70	79	70.4	
290	- B B2 BW																						13.6	10.2			9.8				
												128				99.1	126				104	114		70.6	80.6	99.7	96.7	62.2	67.2	76	70
												129				99.2	127				101	119		72.3	79	101	98.1	63.2	68.3	77.3	70.9
300	- B B2 BW																						72.7	81	101	98.3	63.3	68.1	77.6	71.1	
												120				83.7	118				96	110		64.4	72.7	94.3	97.8	59.8	65.6	74.8	70.3
												121				83.1	118				93.4	114		64.6	71.7	94.4	99.5	61.1	66.3	75.9	71.4
310	- B B2 BW																														
320	- B B2 BW																														
330	- B B2 BW																														
340	- B B2 BW																														
350	- B B2 BW																														
360	- B B2 BW																														
370	- B B2 BW																														
380	- B B2 BW																														

TAB 181391 / 181393 / 181397

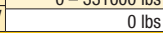
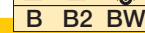
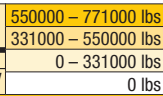
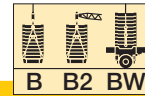
H



B B2 BW

0 lbs

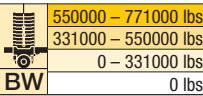
ft		HS 197																							
		W 79				W 98				W 118				W 138				W 157				W 177			
		87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°
45	-	385																							
	B	630																							
	B2	638																							
	BW	640																							
50	-	356																							
	B	609																							
	B2	618																							
	BW	619																							
55	-	324				312				281															
	B	583				531				471															
	B2	593				538				477															
	BW	594				539				478															
60	-	296	282			286	272			276				269											
	B	558	609			512	553			462				409											
	B2	567	624			519	564			467				411											
	BW	569	626			520	565			468				413											
65	-	273	260			263	250			255	240			248				238							
	B	533	583			491	534			450	478			401				351							
	B2	544	600			498	548			455	484			404				353							
	BW	545	602			501	548			456	485			405				354							
70	-	253	241			244	232			237	224			231				223							
	B	509	559			472	516			433	469			392				345							
	B2	521	577			480	529			441	477			397				348							
	BW	521	578			482	530			441	477			398				349							
75	-	236	224			227	216			220	209			215	203			208				204			
	B	486	537			454	497			420	457			384	406			339				301			
	B2	498	554			463	510			426	467			388	411			343				302			
	BW	498	555			464	512			428	467			389	413			343				303			
80	-	220	209			212	201			205	194			200	190			194	183			190			
	B	464	515			436	479			405	442			374	400			334	352			297			
	B2	475	532			445	493			412	454			379	405			337	355			298			
	BW	475	532			446	494			413	454			380	406			338	355			299			
85	-	206	196			199	188			192	182			188	177			181	171			178	167		
	B	440	490			418	462			391	429			362	393			328	346			292	305		
	B2	453	507			428	476			398	439			367	399			331	350			294	307		
	BW	452	511			428	477			400	441			369	400			331	351			295	308		
90	-	194	184			187	177			181	171			176	167			171	161			167	158		
	B	421	466			400	445			378	414			351	382			319	341			287	302		
	B2	431	483			410	460			385	425			357	390			324	345			290	304		
	BW	433	492			411	459			386	426			358	391			325	346			290	305		
95	-	173	137			176	166			170	161			166	157			161	151			158	148		
	B	444	555			383	428			363	401			340	373			312	335			281	297		
	B2	460	594			393	444			372	412			346	380			317	340			284	300		
	BW	470	573			393	443			373	413			347	382			318	341			284	301		
100	-	129				166	157			161	151			157	148			151	142			149	140		
	B	534				367	413			349	388			330	362			304	328			275	291		
	B2	572				375	427			357	400			336	370			309	335			278	295		
	BW	546				376	427			358	400			337	372			311	335			278	296		
105	-	122				157	148	116		152	143			148	140			143	134			140	132		
	B	511				350	396	498		335	376			319	350			296	322			269	286		
	B2	547				358	410	533		343	387			325	360			301	330			272	290		
	BW	520				358	409	512		344	388			326	361			302	330			272	290		
110	-	115				150	141	109		144	136	102		141	132			135	127			133	125		
	B	488				337	377	479		323	364	446		308	340			288	315			262	280		
	B2	523				340	389	514		330	375	480		314	350			293	322			265	284		
	BW	498				341	389	491		330	376	470		315	351			294	323			266	284		
115	-	109				134	103			137	129	98.1		133	125			128	120			126	118		
	B	467				355	460			310	351	438		296	330			279	308			256	275		
	B2	501				360	494			317	363	474		303	340			284	315			259	278		
	BW	477				362	470			317	363	459		304	341			286	316			259	278		
120	-	103				97.4				130	122	92.7		127	119	89.8		122	114			120	112		
	B	448				442				297	338	425		286	321	394		271	300			250	269		
	B2	480				474				304	349	462		292	331	410		276	307			253	272		
	BW	456				450				304	351	443		293	332	411		277	308			253	272		
125	-	94.1				92.2				124	116	87.6		121	113	84.9		116	108	80.1		114	106		
	B	383				424				285	325	412		275	312	386		262	292	338		244	262		
	B2					455				289	336	447		282	322	409		267	299	349		247	266		
	BW	362				432				290	338	427		283	322	409		268	300	349		247	266		
130	-	89.6				87.5				119	111	83		115	108	80.4		110	103	75.7		108	101		
	B	367				408				271	307	399		265	303	377		253	283	338		237	256	286	
	B2					438				271	313	431		271	311	406		258	292	349		241	260	293	
	BW	347				415				273	315	411		272	312	402		259	292	349		241	260		
135	-					83.3					78.9			110	103	76.3		105	98.4	71.7		104	96.6		



ft		HS 197																			
		W 79				W 98				W 118				W 138				W 157			
		87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°
160	B B2 BW								39.4 310 335 316				56.9 312 311 312	28.2 194			59.1 317 323 321	84.3 201 203 203	78.1 232 232 232	54.8 290 309 313	
170	B B2 BW								34.9 291 314 295				51.9 249 252 248	30.9 285 309 291			53.6 288 288 288	28.4 177 306 178	77.8 203 202 202	49.3 271 286 288	
180	B B2 BW								31 273 296 278				27.1 270 292 274				49 254 254 256	25 267 290 272		44.6 253 260 261	
190	B B2 BW												23.7 254 275 258				21.6 252 273 256		40.3 232 233 234	17.4 248 269 252	
200	B B2 BW																18.6 238 258 242		36.6 203 202 203	14.4 234 254 238	
210	B B2 BW																224 244 229			11.7 221 240 224	
220	B B2 BW																213 230 216			9.3 209 228 213	
230	B B2 BW																			199 215 202	
240	B B2 BW																				
250	B B2 BW																				
260	B B2 BW																				

TAB 181391 / 181393 / 181397

H

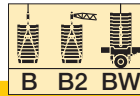


B B2 BW

 550000 – 771000 lbs
 331000 – 550000 lbs
 0 – 331000 lbs
 0 lbs

ft		HS 197																											
		W 197				W 217				W 236				W 256				W 276				W 295				W 315			
		87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°
75	- B B2 BW	185 262 264 264																											
80	- B B2 BW	182 260 261 261				178 228 228 228																							
85	- B B2 BW	171 256 258 258	264 266 266			167 225 226 226				160 195 195 195				166 167 167 167															
90	- B B2 BW	160 253 254 255	147 262 264 264			157 222 224 224				151 193 194 194				142 165 166 166															
95	- B B2 BW	151 249 251 252	142 260 262 262			148 220 221 221	138 227 228 228			142 191 192 192				137 164 164 164				133 142 143 143											
100	- B B2 BW	142 245 248 248	133 257 260 260			139 217 217 218	130 225 226 226			133 189 190 190	124 194 195 195			129 162 163 163				125 141 141 141				120 122 122 122							
105	- B B2 BW	134 242 244 244	126 255 257 257			131 214 215 215	123 222 224 224			126 187 188 188	117 193 193 194			121 160 161 161	112 164 165 165			118 140 140 140				113 120 120 121				101 101 101 101			
110	- B B2 BW	127 238 241 241	119 251 254 255			124 210 212 212	116 220 221 221			119 185 185 186	110 191 192 192			114 158 159 160	106 163 164 164			111 138 139 139	101 141 141 141			107 119 121 121				99 99.2 99.3 99.4			
115	- B B2 BW	120 235 238 238	112 248 251 252			118 207 209 209	110 217 219 219			112 182 183 183	104 189 190 190			108 157 158 158	100 161 162 162			105 136 137 137	97 140 140 140			101 118 120 120				95.3 98 98.2 98.3			
120	- B B2 BW	114 231 234 234	106 245 248 249			111 203 206 206	104 214 216 217			106 179 181 181	98.5 187 188 189			102 155 156 156	94.4 160 161 161			99.3 135 136 136	91.5 139 139 139			95.1 117 117 117	87.3 119 119 119			90.3 96.9 97.2 97.2	82.4 98.7 98.6 98.7		
125	- B B2 BW	108 226 228 230	101 242 245 246			106 200 203 203	98.3 211 213 214			101 177 178 179	93.2 185 187 187			96.6 153 154 154	89.1 159 159 160			93.9 133 134 134	86.4 137 138 138			89.8 116 116 116	82.2 118 118 119			85.1 95.8 96.1 96.2	77.5 97.9 97.7 97.8		
130	- B B2 BW	103 222 224 225	95.6 238 242 242			100 197 199 200	93.3 208 211 211			95.5 175 176 177	88.3 183 185 185			91.6 152 152 152	84.3 136 158 158			89 132 133 133	81.7 136 137 137			84.9 114 115 115	77.6 117 117 118			80.3 94.8 95 95.1	72.9 96.8 96.8 96.8		
135	- B B2 BW	98 216 220 220	91 234 239 239			95.7 194 196 197	88.8 205 208 208			90.8 172 174 174	83.8 181 183 183			87 150 150 151	80 156 156 157			84.5 131 131 131	77.4 135 135 135			80.5 113 114 114	73.4 116 117 117			75.9 93.9 93.9 93.9	68.8 95.8 95.8 95.9		
140	- B B2 BW	93.3 211 215 215	86.5 231 235 236	57.3		91.1 191 193 194	84.4 202 205 206			86.3 170 171 172	79.5 179 180 181			82.6 148 149 149	75.8 154 155 155			80.1 129 130 130	73.2 134 134 134			76.2 112 112 112	69.3 115 116 116			71.7 92.7 92.7 92.8	64.8 94.9 94.9 95		
150	- B B2 BW	84.8 200 204 205	78.4 222 227 228	53.8		82.7 184 186 187	76.3 197 200 200			78.1 165 167 167	71.6 174 176 177			74.5 144 145 146	68 151 152 152			72.1 126 127 127	65.6 131 132 132			68.3 109 110 110	61.8 113 114 114			64 90.3 90.5 90.6	57.5 92.9 93.1 93.2		
160	- B B2 BW	77.3 189 192 194	71.2 213 218 219	47.8		75.2 177 179 180	69.2 191 194 195	45.9		70.7 160 162 162	64.6 170 172 172	41.1		67.2 141 142 142	61.1 148 149 149			64.9 123 124 124	58.8 128 129 129			61.3 107 107 108	55.2 111 112 112			57.1 87.9 88.2 88.3	50.8 90.9 91.2 91.3		
170	- B B2 BW	70.6 177 182 183	64.8 203 209 210	42.6		68.6 169 172 173	62.8 185 189 189	40.7		64.1 154 156 157	58.3 166 168 168	36		60.8 138 139 139	55 145 146 146	32.2		58.5 120 121 121	52.7 126 127 127			55 104 105 105	49.2 109 110 110			50.9 86 86 86	45 88.8 89 89.3		
180	- B B2 BW	64.8 167 171 172	59.2 192 195 196	38		62.7 160 163 164	57.3 180 183 184	36.2		58.4 148 151 152	52.9 161 164 164	31.6		55.1 134 135 136	49.6 142 143 144	28.1		52.9 117 118 118	47.3 123 124 124			49.5 102 103 103	43.9 107 108 108			45.4 83 83.2 83.2	39.8 86.8 87 87.2		
190	- B B2 BW	59.5 156 159 160	54.2 178 179 180	33.8		57.5 151 154 155	52.2 173 176 176	32		53.2 142 144 145	47.9 157 160 160	27.5		50 130 132 133	44.7 139 141 141	24.2		47.8 114 115 115	42.5 120 121 122	21.9		44.4 99.6 101 101	39.1 105 106 106	18.4		40.4 80.3 80.5 80.5	35 84.4 84.7 84.9		
200	- B B2 BW	54.9 144 144 145	49.6 163 162 163	30		52.6 142 145 146	47.6 165 166 167	28.2		48.4 135 137 138	43.3 152 155 155	23.8		45.3 126 128 129	40.2 136 139 139	20.6		43.1 111 112 112	38 117 119 119	18.3		39.8 97.3 98.3 98.4	34.7 103 104 104	14.9		35.8 77.4 77.8 77.8	30.7 81.6 82.3 82.5	10.6 83.4 84.2 84.1	
210	- B B2 BW			26.5		48.3 133 136 137	43.4 156 156 156	24.8		44 128 130 130	39.2 146 148 149	20.4		41 120 122 123	36.1 134 136 136	17.2		38.8 108 109 110	33.9 115 117 117	15		35.5 95.2 96.3 96.4	30.6 100 101 101	11.6		31.6 74.4 75.2 75.2	26.7 79.1 79.8 80	82.8 83.6 83.6	

TAB 181391 / 181393 / 181397

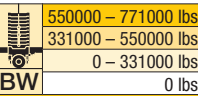


550000 – 771000 lbs
331000 – 550000 lbs
0 – 331000 lbs
0 lbs

B B2 BW

ft		HS 197																														
		W 197				W 217				W 236				W 256				W 276				W 295				W 315						
		87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°			
220	- B B2 BW			23.5		44.5	39.7	21.7		40.2	35.5	17.4		37.1	32.4	14.3		34.9	30.2	12		31.7	27	8.7		27.9	23.1					
				184	202	123	140	183	172	120	140	167		114	129	145		104	113	123		93.3	98.6	104		72	76.4	81.9				
				184	220	125	140	181	185	122	142	171		116	132	148		106	114	125		94.2	99.7	105		72.9	77.4	82.8				
				184	207	125	140	183	176	123	142	171		117	132	148		106	114	125		94.5	99.8	105		72.9	77.6	82.8				
230	- B B2 BW			20.8		36.4	18.9		36.7	32.1	14.6		33.6	29.1	11.5		31.4	26.8	9.3		28.2	23.6			24.4	19.8						
				167	192		124	171	181	112	130	162		107	125	144		99.8	110	122		90.4	96.8	103		69.8	74.2	80.5				
				167	210		123	170	189	114	131	163		109	128	146		101	112	124		91.5	98	105		70.6	75.2	81.5				
				167	197		123	170	186	115	131	163		110	128	146		102	112	124		92	98.2	105		70.8	75.5	81.5				
240	- B B2 BW			144	182			158	178	102	118	154	154	100	119	142	127	95.1	108	121		86.8	95	103		67.6	72.1	78.8				
				145	199			158	189	104	118	154	158	102	122	143	130	97.1	110	123		88.3	96	104		68.4	73	79.9				
				144	187			158	183	104	118	155	158	103	122	143	130	97.3	110	124		89.2	96.5	104		68.6	73.4	80				
								13.9						9.7	27.5	23.1		25	20.8		21.9	17.6			18.1	13.9						
250	- B B2 BW				172			144	171				145	156			90.2	106	120	103	83	93.4	102		65.7	70	77.3					
					186			144	185				145	161			95.7	112	139	132	84.9	93.8	104		66.3	71	78.4					
					177			144	175				145	161			96.4	113	138	133	86.2	94.9	104		66.6	71.3	78.6					
								11.8						7.6	24.9	20.6		22.3	18.1		19.1	15			15.4	11.3						
260	- B B2 BW				164			128	162				134	154			84.1	102	118	105	79.2	92.3	101	85.5	64	68.3	76.2					
					173			128	173				134	160			89	101	132	135	86.1	103	121	107	64.3	69.3	77.3					
					169			128	167				134	159			89.1	102	131	135	86.5	104	121	107	64.9	69.4	77.4					
															18.4			19.7	15.7		16.6	12.6			12.9	8.9						
270	- B B2 BW				156				154				122	149			88.9	124	134		77.9	95.1	115	107	62.3	66.7	75					
					160				161				122	155			88.8	124	137		79.9	95.9	118	109	62.3	67.6	76.2					
					158				158				122	153			89.3	124	137		80.7	96.3	118	109	63.1	67.7	76.2					
																		17.4	13.4		14.2	10.3			10.5							
280	- B B2 BW							146					106	142			115	134		70.9	87.3	110	109	60.2	65.1	73.8	64.6					
								149					106	147			115	137		71.2	84.5	102	90.3	59.9	66	75.1	65.5					
								148					107	145			115	137		73.6	87.5	113	111	61.2	66	75.1	65.7					
																					12.1											
290	- B B2 BW												137				104	131							57.7	63.5	72.6	65.3				
														136				104	134						56.9	64.4	73.9	66.3				
														136				105	134						58.9	64.4	74	66.4				
																					10.1											
300	- B B2 BW												118				93.9	125			98	111		59.9	73.6	94.4	91.7	54.9	62.1	71.4	65.8	
														127				93.7	124			99.7	113		61	73.7	95.4	93.4	53.6	63.1	72.6	66.9
														127				93.8	125			99.8	113		61.3	74.1	95.6	93.4	56.4	63.2	72.9	67
310	- B B2 BW												119				117			91.3	111			64	90	93	51.8	60.9	70.2	66.2		
														119				116			91.8	111			63.7	90.5	94.7	50.4	61.8	71.2	67.4	
														119				117			91.9	112			64.1	90.6	94.7	53.5	61.9	71.8	67.4	
320	- B B2 BW																110				79	107				84.2	94.3	47.2	58.6	69	66.5	
																		109				79	106			84.4	95.7	46.1	59	69.6	67.8	
																		110				79.1	107			84.4	95.6	48.6	59.2	70.7	67.9	
330	- B B2 BW																102								77.4	94.8			67.8	66.8		
																		102							77	95.7			67.6	68.1		
																									77.1	95.5			69.3	68.1		
340	- B B2 BW																88				95.1				68.8	92.3			66.5	67		
																		86.7				95.4			68.1	92.8			64.3	68.3		
																		88				94.9			68.4	92.6			67.3	68.4		
350	- B B2 BW																				90.2								63.9	67.3		
																						89.9				87.3			61	68.6		
																							89.8				87.5			64	68.5	
360	- B B2 BW																												55.9	67.6		
																												82.2			54.1	69
																												82.2			55.9	68.3
370	- B B2 BW																													67.7		
																												75.7			68.9	
																												75.6			67.6	
380	- B B2 BW																													66.8		
																												64.3			67.3	
																												63.9			65.3	
390	- B B2 BW																													64.3		
																														64		
																														62.4		

TAB 181391 / 181393 / 181397



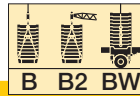
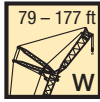
B B2 BW

 550000 - 771000 lbs
 331000 - 550000 lbs
 0 - 331000 lbs
 0 lbs

H

ft 		HS 217																							
		W 79				W 98				W 118				W 138				W 157				W 177			
		87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°
45	- B B2 BW	370 561 568 570																							
50	- B B2 BW	343 544 552 553																							
55	- B B2 BW	312 524 532 532				301 474 481 482																			
60	- B B2 BW	286 503 511 511	271 548 559 561			276 459 465 466			268 416 421 422				372 375 375												
65	- B B2 BW	264 480 490 491	250 529 540 542			255 443 449 450	238 481 488 490		247 403 409 410	432 438 439			239 366 368 369				229 320 322 322								
70	- B B2 BW	245 462 469 471	232 507 521 521			237 427 434 435	223 467 476 477		229 391 397 397	209 423 429 431			224 356 360 361				215 315 317 318								
75	- B B2 BW	229 443 450 452	216 487 501 501			221 411 417 418	208 450 461 461		214 379 384 385	201 412 419 420			209 347 352 352	196 370 375 376			200 310 312 313				196 275 277 277				
80	- B B2 BW	214 424 431 434	201 468 480 482			206 395 401 403	194 434 446 446		200 366 372 373	188 400 408 409			195 337 342 342	183 364 369 370			187 303 307 308	175 321 324 324			183 271 273 273				
85	- B B2 BW	200 404 412 414	188 449 463 465			193 380 387 389	181 420 430 431		187 353 360 361	176 389 396 397			183 328 333 333	171 356 361 363			175 297 301 302	164 317 320 320			172 268 269 269	160 279 281 282			
90	- B B2 BW	189 387 395 396	177 433 447 448			182 365 372 374	171 406 415 417		176 342 347 349	165 375 384 386			172 319 324 324	161 347 353 354			164 290 294 295	154 310 315 316			161 263 265 265	151 277 279 279			
95	- B B2 BW	167 417 431 432	120 511 549 531			171 351 358 359	161 391 401 403		166 331 335 337	155 364 373 374			162 308 314 315	152 338 344 345			155 283 287 287	144 305 310 311			152 257 260 261	142 273 276 276			
100	- B B2 BW	151 402 415 416	120 511 549 531			162 337 343 344	152 377 388 389		156 319 324 325	146 353 362 362			153 299 304 305	143 329 336 336			146 276 280 280	136 299 304 305			143 252 255 256	134 269 272 273			
105	- B B2 BW	113 495 532 510	113 495 532 510			153 323 328 330	143 363 375 376	107 461 491 487	148 307 312 314	138 341 349 351			145 290 294 296	135 318 327 327			138 268 273 272	128 293 298 298			136 247 250 251	126 265 268 269			
110	- B B2 BW	106 476 512 488	106 476 512 488			146 311 317 318	136 351 362 363	101 447 482 474	140 295 301 302	131 331 339 340	410		137 281 285 286	128 310 318 318			131 260 265 265	121 286 291 292			128 242 245 245	119 260 263 264			
115	- B B2 BW	101 457 491 467	101 457 491 467			129 339 350 351	95.3 434 473 458		133 284 289 290	124 320 329 330	90.7 403 422 422		130 272 276 278	122 301 308 310			124 252 257 258	115 278 284 284			122 236 240 240	113 255 258 259			
120	- B B2 BW	95.2 439 471 448	95.2 439 471 448			123 323 330 331	90 421 460 441		127 273 278 279	118 309 319 320	85.6 394 416 416		124 262 267 268	115 293 299 301			118 245 249 251	109 271 277 278			116 230 234 234	107 250 253 253			
125	- B B2 BW	86.7 377 386	86.7 377 386			85.1 408 446 424	85.1 408 446 424		121 263 268 270	112 299 309 310	80.8 383 409 410		118 253 257 258	110 285 291 293	78.3 353 365 366		112 238 242 243	103 264 270 271			110 224 228 228	102 244 248 248			
130	- B B2 BW	82.2 362 370	82.2 362 370			80.7 395 429 408	80.7 395 429 408		116 254 259 261	107 289 298 299	76.5 374 402 399		113 244 248 249	105 276 283 285	74.1 348 362 361		106 231 235 236	98.3 257 263 264	66.7 307 316 316		105 218 221 222	96.6 239 243 243			
135	- B B2 BW	76.7 382 413 393	76.7 382 413 393			72.6 382 413 393	72.6 382 413 393		103 272 278 280	72.6 363 394 386			108 235 240 241	99.9 267 275 276	70.3 341 356 357		102 223 227 228	93.7 250 256 257	64 305 314 315		99.8 212 215 217	92 233 237 238			
140	- B B2 BW	43.4 342 370 349	43.4 342 370 349			72.8 370 397 379	72.8 370 397 379		98.3 255 258	68.8 353 385 373			103 228 232 233	95.4 258 267 268	66.6 330 350 352		96.9 215 220 221	89.3 244 249 251	60.5 302 311 312		95.2 206 209 211	87.7 228 232 233	55.8 261 268 268		
150	- B B2 BW	40.5 330 356 336	40.5 330 356 336			62 333 363 349	62 333 363 349		87.3 242 249 250	60 317 332 339			87.3 242 249 250	60 317 332 339			88.5 201 206 206	81.2 230 236 237	54 293 305 305		86.8 194 197 199	79.7 218 220 223	52.5 258 265 265		

TAB 181391 / 181393 / 181397

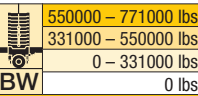


550000 – 771000 lbs
331000 – 550000 lbs
0 – 331000 lbs
0 lbs

ft		HS 217																										
		W 79				W 98				W 118				W 138				W 157				W 177						
		87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°			
160	— B B2 BW				35.6				31.1				56				54				81.1	74.1	48.2		79.4	72.6	46.8	
					308				303				312				301				188	216	280		182	207	252	
					333				328				333				310				192	221	295		185	207	259	
					313				309				322				322				192	223	297		186	213	259	
170	— B B2 BW				31.1				27				50.7	23			48.8				74.7	67.9	43		72.8	66.3	41.8	
					287				284				286	278			285				176	201	265		170	196	244	
					311				307				289	303			291				177	203	284		174	193	251	
					292				289				287	284			300				178	203	287		175	203	251	
180	— B B2 BW								23.4					19.8			44.3					62.9	38.6		67.2	60.9	37.4	
									267				263			266					166	248		161	184	235		
									289				285			268					167	267		164	180	241		
									271				268			271					167	269		164	190	242		
190	— B B2 BW												16.6				14.8					34.6			56.1	33.3		
													248				246					232			171	226		
													269				267					246			167	229		
													252				251					245			173	230		
200	— B B2 BW												234				12.1					31				29.7		
													254				232					214	227			215		
													238				252					220	247			216		
																	236					218	231			217		
210	— B B2 BW																219						214			26.4		
																	238						233			203	212	
																	223						218			205	232	
																								218			206	217
220	— B B2 BW																208							203			23.5	
																	226							221			183	201
																	212							207			185	220
																										185	206	
230	— B B2 BW																							192				
																								210				190
																								196				209
																												195
240	— B B2 BW																							182				180
																												199
																												185
250	— B B2 BW																											171
																												189
																												176
260	— B B2 BW																											163
																												181
																												167

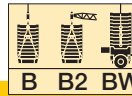
TAB 181391 / 181393 / 181397

H



ft		HS 217																											
		W 197								W 217								W 236								W 256			
		87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°
80	- B B2 BW	176 238 239 240				172 210 210 210																							
85	- B B2 BW	164 235 237 237				161 207 208 209				154 181 181 181																			
90	- B B2 BW	155 232 233 234				151 205 206 206				145 179 179 180																			
95	- B B2 BW	145 135 229 239 230 241 231 241				142 202 204 204				136 177 178 178				134 154 154 154				128 133 133 133											
100	- B B2 BW	137 127 226 237 227 238 228 239				134 124 200 208 201 209 201 209				128 111 175 181 176 181 176 181				126 152 153 153				120 131 132 132							112 113 113 114				
105	- B B2 BW	129 120 222 234 224 236 224 236				126 117 197 207 198 207 199 207				121 111 173 179 174 180 174 180				119 109 151 155 151 155 151 155				113 130 130 131							109 111 112 112			94.2 94.2 94.2 94.2	
110	- B B2 BW	122 113 218 232 220 234 221 234				120 110 194 204 196 205 196 205				114 105 171 177 172 178 172 178				112 103 149 154 150 154 150 154				107 95.7 129 131 129 131 129 132							102 111 111 111			92.8 93 93.1 93.3	
115	- B B2 BW	116 107 214 228 217 231 218 231				113 104 191 201 193 203 193 203				108 99 169 176 170 176 170 177				106 97.3 147 152 148 153 148 153				101 91.9 128 131 128 131 128 131							96.6 110 110 110			90.2 92 92.2 92.3	
120	- B B2 BW	110 101 211 225 214 228 214 228				107 98.8 189 199 190 200 191 201				102 93.6 167 174 167 175 168 175				101 91.9 146 151 147 151 147 151				95.4 86.7 126 130 127 130 127 130							91.1 82.4 109 111 109 112 109 112			86.3 91 91.2 91.3	
125	- B B2 BW	104 95.8 206 222 209 225 209 225				102 93.6 186 196 187 198 188 198				96.7 88.4 164 172 165 173 165 173				95.2 86.8 144 150 145 150 145 150				90.2 81.7 125 129 125 129 126 129							86 77.6 108 111 108 111 108 111			81.3 72.8 89.9 92.1 90.2 91.9 90.3 92	
130	- B B2 BW	98.9 90.9 202 219 205 222 205 222				96.7 88.7 183 193 184 195 185 196				91.8 83.7 162 170 163 172 163 171				90.3 82.2 143 148 143 149 144 149				85.4 77.2 123 128 124 128 124 128							81.3 73.2 107 110 107 110 107 110			76.7 68.5 89 91.1 89.2 91.1 89.3 91.3	
135	- B B2 BW	94.3 86.5 197 215 200 218 200 218				92.1 84.4 180 190 182 193 182 193				87.2 79.4 159 168 161 170 161 170				85.8 78 141 147 142 148 142 148				81 73.1 122 126 123 127 123 127							77 69.1 105 109 106 109 106 109			72.5 64.5 88 90.2 88.2 90.3 88.2 90.4	
140	- B B2 BW	89.8 82.2 50.1 191 210 226 195 214 231 195 214 231				87.7 80.1 177 188 179 190 179 191				82.9 75.3 157 167 159 168 159 168				81.5 73.9 140 146 140 146 140 146				76.8 69.1 120 125 121 126 121 126							72.9 65.2 104 108 105 108 105 108			68.4 60.7 87 89.3 87.2 89.5 87.2 89.6	
150	- B B2 BW	81.5 74.3 46.9 182 201 227 185 206 232 186 206 233				79.5 72.4 170 183 172 186 172 186				74.9 67.7 153 162 154 164 154 164				73.6 66.5 136 143 137 144 137 144				69 61.8 117 123 118 123 118 124							65.3 58 102 106 103 106 103 106			60.9 53.6 84.4 87.5 84.8 87.8 84.8 87.8	
160	- B B2 BW	74.2 67.4 41.3 172 193 227 175 197 233 176 198 233				72.2 65.5 39.5 162 178 193 164 180 196 165 181 196				67.7 60.9 148 158 150 160 150 160				66.6 59.8 133 140 134 141 134 141				62 55.2 114 120 115 121 115 121							58.4 51.5 99.5 104 100 104 100 104			54.2 47.3 81.6 85.6 82.3 85.9 82.2 85.8	
170	- B B2 BW	67.7 61.2 36.4 162 185 224 165 187 231 166 190 231				65.8 59.3 34.7 154 171 192 157 175 196 158 175 196				61.3 54.9 29.6 142 154 164 144 156 167 144 156 167				60.3 53.8 28.5 130 137 140 131 138 117 132 139 142				55.8 49.3 111 117 112 118 113 119							52.3 45.8 97.3 102 97.7 102 98 103			48.2 41.6 79 83.3 79.6 83.5 79.6 83.6	
180	- B B2 BW	62 55.8 32.1 152 176 220 155 175 227 156 181 228				60.1 54 30.4 146 165 190 149 169 195 150 169 195				55.7 49.6 25.8 136 149 164 138 152 167 139 152 167				54.7 48.6 24.7 125 134 140 127 136 142 127 136 142				50.4 44.2 108 115 109 116 110 116							46.9 40.7 94.9 99.9 95.6 101 96 101			42.8 36.6 76.6 80.9 77 81.1 77.1 81.3	
190	- B B2 BW	56.9 50.9 28.2 143 166 215 146 163 222 147 172 223				55 49.1 26.5 138 158 188 140 161 193 142 163 193				50.7 44.7 22 130 145 163 132 148 166 132 148 166				49.7 43.8 21 121 131 140 123 133 142 123 133 142				45.4 39.4 16.4 106 112 116 107 114 118 107 114 118							42 36 12.9 92.8 98 97.6 93.6 98.7 98.8 93.8 98.8 98.8			38 32 74.3 78.4 74.6 78.8 74.8 79	
200	- B B2 BW	52.3 46.5 24.6 134 156 208 137 153 215 138 160 215				50.3 44.6 23 130 151 186 132 151 191 133 156 191				46 40.3 18.5 123 140 161 125 143 165 126 144 165				45 39.4 17.5 116 128 139 118 131 142 119 131 142				40.8 35.1 13.1 103 110 116 104 111 118 104 111 118							37.5 31.8 9.7 90.8 96.1 97.7 91.7 96.9 98.8 91.7 96.9 98.9			33.5 27.8 71.9 76 76.9 72.3 76.6 77.7 72.5 76.8 77.8	
210	- B B2 BW	42.6 21.4 146 198 193 143 203 206 146 204				46 40.5 19.7 122 143 183 124 141 188 125 148 189				41.8 36.3 15.4 116 134 160 118 136 164 119 138 164				40.8 35.3 14.4 111 126 139 113 128 141 113 129 141				36.6 31.1 100 107 115 102 109 118 102 109 117							33.3 27.9 88.9 94 97.6 89.8 95 98.9 89.8 95.1 98.9			29.4 23.9 69.3 74.1 76.5 70.1 74.6 77.4 70.4 74.8 77.4	
220	- B B2 BW	39.5 18.6 118 187 189 118 190 209 119 190 197				42.3 37 16.9 114 135 180 163 117 133 183 153 117 138 183 167				38 32.8 12.6 109 129 158 111 129 162 112 133 163				37 31.8 11.6 105 121 138 107 123 141 107 125 141				32.9 27.6 96.6 105 115 97.7 106 117 98.1 107 117							29.6 24.4 87 92.2 97.1 87.9 93.3 98.7 87.9 93.3 98.7			25.8 20.5 67.3 71.7 75.9 68 72.5 76.8 68.3 72.6 76.8	

TAB 181391 / 181393 / 181397

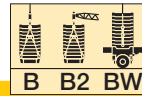


550000 – 771000 lbs
331000 – 550000 lbs
0 – 331000 lbs
0 lbs

B B2 BW

ft 		HS 217																													
		W 197				W 217				W 236				W 256				W 276				W 295				W 315					
		87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°		
230	— B B2 BW		16			33.8	14.2		34.6	29.5	10		33.5	28.5	9		29.4	24.3			26.2	21.1			22.4	17.3					
			174	183		124	173	167	102	122	156		99.4	116	137		92.1	103	114		84	90.4	96.8		65.3	69.6	75				
			174	203		123	175	173	104	121	157		101	118	140		93.3	104	116		85	91.6	98.4		65.9	70.5	76				
			175	190		125	175	173	105	126	160		101	120	140		93.9	104	117		85.1	91.7	98.4		66.2	70.5	76				
240	— B B2 BW					11.8		31.5	26.5			30.3	25.4			26.2	21.3			23	18.1			19.2	14.3						
			157	175		163	166	95.7	115	153	141		93.5	111	136		87.4	99.8	113		80.5	88.7	96.5		63.3	67.5	74				
			156	194		164	177	96.8	114	151	145		94.7	112	139		88.9	101	116		81.4	89.9	98		63.9	68.6	75.2				
			157	180		164	174	98.2	117	156	145		95.3	115	140		89.5	102	116		81.8	90.2	98.1		64.1	68.5	75.3				
250	— B B2 BW					9.5		23.8		106	148	144	87.4	105	135	121	82.5	97.3	112		76.3	86.8	96		61.5	65.6	73.2				
						151	179		106	144	148	88.6	106	138	124	84.3	98.4	115		77.5	88.3	97.6		62.1	66.6	74.4					
						151	169		107	149	148	89.4	109	139	124	84.9	100	115		77.8	88.8	97.7		62.2	66.6	74.4					
260	— B B2 BW					7.5		21.6		85	139	143	77	93.8	133	124	20.5	15.9			17.4	12.8			13.6	9					
						135	155		81.3	98.9	133	124	77	93.8	133	124	77	93.8	133	124	96	72.1	85.3	95.4		59.8	63.8	72.1			
						136	173		85.3	137	150	82.5	99.8	135	127	78.5	94.9	114	87.5	73.6	86.7	97.2		60.6	64.9	73.3					
						135	161		85.3	140	151	83.4	102	136	127	79	97.1	115	98.1	73.9	87.6	97.3		60.6	64.9	73.4					
270	— B B2 BW												17.7				18	13.5			14.9	10.4			11.2						
280	— B B2 BW																15.8	11.3			12.6			8.9							
290	— B B2 BW																														
300	— B B2 BW																														
310	— B B2 BW																														
320	— B B2 BW																												</		

TAB 181391 / 181393 / 181397

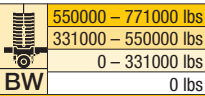


550000 – 771000 lbs
331000 – 550000 lbs
0 – 331000 lbs
0 lbs

H

ft		HS 236																							
		W 79				W 98				W 118				W 138				W 157				W 177			
		87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°
45	- B B2 BW	502 505 508																							
50	- B B2 BW	314 487 492 493																							
55	- B B2 BW	302 469 474 476				291 427 429 430																			
60	- B B2 BW	277 451 457 459	260 494 501 502			267 413 416 417				259 374 376 377															
65	- B B2 BW	256 434 440 441	240 476 484 485			247 398 402 404	229 431 437 437			240 364 366 367				230 326 329 329				222 291 293 293							
70	- B B2 BW	238 417 423 424	223 459 467 469			230 383 389 390	215 418 425 427			223 352 355 357				216 320 322 322				209 286 288 288							
75	- B B2 BW	222 401 408 408	208 442 451 452			214 370 376 376	200 405 412 414			208 340 345 346	194 368 374 374			201 311 314 315				195 281 282 283				189 250 252 252			
80	- B B2 BW	207 383 392 392	194 426 435 436			200 357 363 363	187 392 400 401			194 330 334 335	181 359 365 365			188 303 306 307	175 324 328 329			182 275 276 277	169 290 292 293			177 246 248 248			
85	- B B2 BW	195 367 375 376	182 409 420 420			188 345 350 351	175 380 387 388			182 320 324 325	170 350 355 356			176 295 298 299	164 317 321 322			171 269 270 271	158 285 288 288			165 242 244 244	152 254 256 256		
90	- B B2 BW	183 352 356 360	171 395 405 405			177 331 338 339	165 368 374 376			171 310 314 314	160 339 345 346			166 285 289 291	154 310 314 314			160 262 264 265	149 280 283 283			156 237 239 239	144 250 253 253		
95	- B B2 BW	174 339 338 347	161 381 390 392			167 319 325 326	155 355 362 363			162 300 304 304	150 329 336 336			156 277 281 282	145 303 306 307			151 255 258 259	140 274 278 278			147 232 234 234	135 246 249 249		
100	- B B2 BW		153 367 374 379			158 306 312 314	147 342 351 351			153 290 294 295	142 320 326 327			148 269 273 274	137 295 299 300			143 248 252 252	132 268 272 272			138 228 229 230	127 242 245 245		
105	- B B2 BW		105 457 481 482			149 294 297 301	139 331 339 340			144 279 285 285	134 310 316 317			140 262 265 266	129 287 292 292			135 242 246 246	124 263 266 266			131 223 224 225	120 238 241 241		
110	- B B2 BW		98.8 442 470 470			142 284 283 290	131 321 328 330	91.8 405 419 420		137 269 274 275	127 299 307 308			132 254 258 258	122 280 285 285			128 236 239 240	118 257 260 261			124 217 220 220	114 234 237 237		
115	- B B2 BW		93.3 428 457 455			135 274 269 280	125 310 316 319	88.2 399 414 415		130 259 263 265	120 291 298 298			126 246 251 251	116 272 278 278			121 230 233 233	112 250 254 255			117 212 215 215	108 229 232 232		
120	- B B2 BW		88.2 414 445 439			119 300 302 310	83.3 390 406 406			124 249 252 255	114 282 289 290	79.1 353 365 366		120 237 243 243	110 264 270 271			115 223 226 227	106 245 248 249			111 207 210 210	102 224 227 228		
125	- B B2 BW		83.5 401 432 422				78.7 379 396 398			118 241 241 246	109 274 280 282	74.6 347 359 360		114 229 234 235	105 256 263 263	70.4 311 320 321		109 217 220 220	100 239 243 243			106 202 205 205	96.8 220 222 223		
130	- B B2 BW		79.1 389 415 406				74.5 368 384 388			113 233 231 238	104 266 271 273	70.6 341 353 354		109 221 225 227	99.8 249 256 256	66.5 308 317 318		104 211 214 214	95.5 233 237 237			101 197 200 200	91.9 215 218 219		
135	- B B2 BW						70.8 357 371 378				99.3 257 261 265	66.9 333 346 347		104 214 217 219	95.3 242 249 249	63 304 313 313		99.5 204 208 208	91 227 232 232			96.1 192 195 195	87.6 210 214 214		
140	- B B2 BW						67.1 347 358 368				95 249 250 257	63.4 325 339 340		99.4 207 208 211	90.9 236 242 243	59.5 299 308 309		95 197 201 202	86.7 221 226 226	52.4 266 273 274			91.6 187 190 190	83.4 206 209 210	49 236 242 242
150	- B B2 BW						60.5 328 324 311				56.9 306 324 326			91.4 192 191 196	83.1 222 226 229	53.3 288 298 299		86.8 184 187 189	78.9 210 215 216	49.2 262 269 270			83.5 176 179 180	75.7 196 201 201	45.9 234 240 240

TAB 181391 / 181393 / 181397



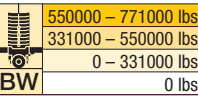
B B2 BW

 550000 – 771000 lbs
 331000 – 550000 lbs
 0 – 331000 lbs
 0 lbs

ft 		HS 236																							
		W 79				W 98				W 118				W 138				W 157				W 177			
		87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°
160	— B B2 BW			28 301 326 306							51.2 286 307 312			47.7 277 287 287		79.5 173 173 177	72 199 204 205	43.8 254 262 262		76.3 165 168 169	68.8 187 192 192	40.6 229 236 236			
	170	— B B2 BW		24 282 305 287			19.7 276 300 282			46.1 268 288 299			42.8 264 275 276		73.1 163 160 167	65.8 188 192 194	38.9 246 253 253		69.9 155 157 158	62.8 178 183 183	35.9 223 230 230				
		180	— B B2 BW					16.7 261 283 266					38.5 248 265 265			60.7 176 177 178	34.7 237 244 245		64.4 146 146 149	57.5 169 174 174	31.8 217 223 224				
			190	— B B2 BW					245 267 250			10.4 242 263 247		34.7 233 245 245			30.9 226 237 234		59.7 134 133 136	52.8 160 164 165	28 211 216 217				
200				— B B2 BW								228 249 233			225 245 230			27.4 214 226 220	217 241 225			24.6 204 209 210			
	210			— B B2 BW											213 232 217				209 229 213			21.5 196 202 202	197 217 210		
		220		— B B2 BW											202 220 206				197 217 203			18.8 185 190 190	190 212 199		
			230	— B B2 BW											191 210 195				187 206 192			170 171 171	182 203 189		
240				— B B2 BW															177 196 182				174 193 179		
	250			— B B2 BW																				165 184 170	
		260		— B B2 BW																				157 175 161	
			270	— B B2 BW																				149 167 154	

TAB 181391 / 181393 / 181397

H



B B2 BW

0 lbs

ft		HS 236																												
		W 197				W 217				W 236				W 256				W 276				W 295				W 315				
		87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	
80	- B B2 BW	171				192																								
		219				193																								
		220				193																								
		220																												
85	- B B2 BW	161				154			148																					
		216				190			166																					
		217				191			166																					
		217				191			166																					
90	- B B2 BW	151				146			139																					
		213				188			164																					
		214				189			165																					
		214				189			165																					
95	- B B2 BW	142	131			137			131				129																	
		209	219			185			163				143																	
		211	221			187			163				143																	
		211	221			187			163				143																	
100	- B B2 BW	134	123			129	118			123			121				116				105									
		206	216			183	191			161			141				122				105									
		207	218			185	192			162			141				122				105									
		207	219			185	192			162			142				122				105									
105	- B B2 BW	127	116			122	111			116	106		114				109				104					88				
		202	213			181	189			159	165		140	143			121				104					88				
		203	216			182	190			160	166		140	144			121				104					88				
		204	216			182	191			160	166		140	144			121				104					88				
110	- B B2 BW	120	110			115	105			110	99.6		108	96			103	90.6			98					86.7				
		198	210			178	187			157	164		139	143			119	122			103					86.8				
		199	213			179	188			158	164		139	143			119	122			103					86.9				
		200	213			179	189			158	164		139	143			120	123			103					87.1				
115	- B B2 BW	114	104			109	99.3			104	93.9		102	92.3			96.8	87			92.5					85.2				
		194	207			175	184			155	162		137	142			118	122			102					85.8				
		196	209			176	186			156	163		137	142			118	122			102					85.9				
		196	209			176	187			156	163		138	142			118	122			102					86.2				
120	- B B2 BW	108	98.4			103	93.9			98.1	88.7		96.6	87.1			91.4	81.9			87.2	77.7				82.4				
		190	204			172	182			153	161		135	141			117	121			101	103				84.8				
		192	206			173	184			154	161		136	141			117	121			101	103				85				
		192	206			173	184			154	162		136	141			117	121			101	104				85.2				
125	- B B2 BW	102	93.2			97.9	88.9			92.8	83.7		91.4	82.3			86.4	77.2			82.3	73.1				77.6	68.3			
		186	200			169	180			151	159		134	139			115	120			99.9	103				83.8	86.2			
		188	202			170	182			151	160		134	140			116	120			100	103				84.1	85.9			
		189	203			170	182			152	160		135	140			116	120			100	103				84.2	86			
130	- B B2 BW	97.3	88.5			93	84.3			88	79.2		86.7	77.8			81.8	72.8			77.7	68.8				73.1	64.1			
		182	196			166	177			149	157		132	138			114	118			98.8	102				82.6	85.3			
		185	199			167	179			149	158		133	138			114	119			99	102				82.9	85.3			
		185	199			167	179			149	158		133	139			114	119			99.2	102				82.9	85.3			
135	- B B2 BW	92.7	84.2			88.6	80			83.7	75.1		82.4	73.8			77.5	68.9			73.6	64.9				69	60.3			
		178	193			163	174			146	155		131	137			112	117			97.7	101				81.3	84.5			
		181	195			164	176			147	156		132	137			113	118			98	101				81.5	84.5			
		181	196			164	176			147	156		132	137			113	118			98.1	101				81.6	84.6			
140	- B B2 BW	88.3	80			84.2	76			79.4	71.1		78.2	69.9			73.4	65			69.6	61.1				65.1	56.6			
		174	189			159	171			144	153		130	135			111	116			96.4	100				80	83.6			
		177	192			161	173			145	154		130	136			112	116			97	100				80.2	83.8			
		177	192			161	173			145	154		130	136			112	117			97.1	100				80.3	83.8			
150	- B B2 BW	80.3	72.5			76.3	68.5			71.7	63.8		70.6	62.7			65.9	58			62.2	54.2				57.8	49.8			
		166	182			153	166			139	148		126	133			108	114			94.3	98.5				77.5	81.6			
		169	185			155	167			140	150		127	134			109	114			94.9	98.6				77.7	81.7			
		169	185			155	168			140	150		127	134			109	114			95.1	98.7				77.9	81.7			
160	- B B2 BW	73.1	65.7	37.3		69.3	61.9	33.4		64.7	57.3		63.7	56.2			59.2	51.6			55.5	48				51.3	43.7			
		158	174	204		147	160	177		133	144		122	130			105	112			92.3	96.6				75.2	79.1			
		160	178	209		149	162	181		135	145		123	131			106	112			92.9	96.8				75.5	79.2			
		160	178	209		149	162	181		135	146		124	131			106	112			93	97.1				75.7	79.3			
170	- B B2 BW	66.7	59.6	32.6		63	55.9	28.9		58.5	51.4	23.8		57.6	50.5			53.1	46			49.6	42.4				45.5	38.2		
		149	167	201		140	154	177		128	140	151		119	127			103	109			90.3	94.9				72.9	76.7		
		151	171	206		142	156	181		130	141	154		120	128			103	110			90.6	95.2				73.3	76.9		
		152	171	206		142	157	181		130	141	154		120	128			104	110			90.9	95.4				73.6	77.1		
180	- B B2 BW	61.1	54.4	28.6		57.5	50.7	24.9		53.1	46.3	20.3		52.2	45.4			47.8	41			44.4	37.5				40.3	33.4		
		139	159	198		133	148	174		123	135	151		114	123			99.9	107			88.4	92.9				70.7	74.8		
		142	164	202		135	151	179		125	136	154		116	125			101	107			88.6	93.5				71.2	75.1		
		143	164	202		135	151	179		125	137	154		116	125			101	108			88.8	93.6				71.4	75.1		
190	- B B2 BW	56.1	49.6	24.9		52.4	46	21.3		48.1	41.7	16.7		47.3	40.8	15.8		43	36.4	11.2		39.6	33				35.6	29		
		131	152	192		125	142	172		117	130	150		110	119	130		97.1	104	108		86.1	91.1							

TAB 181391 / 181393 / 181397



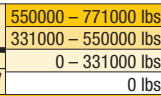
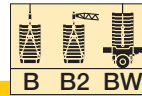
550000 – 771000 lbs
331000 – 550000 lbs
0 – 331000 lbs
0 lbs

B B2 BW

ft		HS 236																																	
		W 197								W 217								W 236								W 256									
		87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°						
230	- B B2 BW			13.1 171 177 176		37 95.4 96.3 97.4	31.1 117 120 121	9.8 157 161 161		32.5 92.7 95.2 95.3	26.9 110 114 114	141 144 145		31.5 90.4 92.4 92.6	26 105 107 107	127 130 130		27.4 83.7 85.4 85.6	21.8 94.2 95.6 95.9	106 108 108		24.2 76.4 77.4 77.5	18.6 83.8 84.8 85.2	90.5 92.1 92.2		20.4 60.5 61 61.2	14.8 64.8 65.5 65.6	69.9 71 71.1							
240	- B B2 BW			10.8 162 167 166				154 158 158	152 161 160	29.5 87.2 89.5 89.6	24 104 108 108	137 141 141		28.4 84.9 86.9 87.1	23 100 103 103	125 128 128		24.3 78.8 80.7 80.8	18.9 91.4 93.2 93.5	105 108 108		21.1 73.1 74.2 74.2	15.7 81.8 83.2 83.4	90.1 91.8 91.8		17.3 58.6 59.2 59.4	11.9 63.1 63.8 64	69.1 70.3 70.4							
250	- B B2 BW				161 180 167			150 155 155	150 164 161		21.4 97.9 101 101	134 137 139 135	130 135 135		25.5 79.1 80.9 81.3	20.3 95.8 99.1 99	122 126 126		21.3 74 76.1 76.1	16.1 88.5 90.6 91	105 107 107		18.2 69.2 70.5 70.4	13 79.4 81.3 81.3	89.8 91.4 91.6		14.4 56.8 57.5 57.8	61.4 61.4 62 62.3	68.4 69.6 69.6						
260	- B B2 BW				153 172 159			140 142 142	146 164 154		19.1 87.1 88.7 88.9	132 132 136	131 138 138		22.9 73.6 75.3 75.6	17.8 90.5 93.6 93.6	120 123 123	113 110 116		18.7 69.4 71.2 71.1	13.7 85.2 87.7 88.1	104 106 106	87.8 82.1 83.5		15.6 65.4 66.8 66.5	10.6 76.9 79.1 79	89.3 90.9 91.2		11.8 55.4 56.1 56.3	59.6 60.4 60.6	67.2 68.7 68.7				
270	- B B2 BW				146 164 151			123 125 125	141 159 147			127 125 130	130 138		67.9 68.7 69.2	84.7 88.2 88.1	118 120 121	115 119 119		64.8 66.2 66.1	80.4 82.8 83.2	103 105 105	90.1 92 92.2		13.2 61.4 62.7 62.5	8.3 74.3 76.9 76.8	88.6 90.5 90.5		9.4 54 54.6 54.8	58.2 59 59.2	66.3 67.7 67.7				
280	- B B2 BW				139 156 144				136 153 140			119 118 121	127 141 135				115 116 119	116 121 121		60.4 61.6 61.5	75.1 77.4 77.4	102 104 104	91.9 94.1 94.3		10.9 57.4 58.5 58.4	71 73.7 73.6	88.1 90 90.2	73.1 74.8 74.8	52.1 52.7 52.9	56.8 57.6 57.9	65.2 66.7 66.7				
290	- B B2 BW							129 146 133				123 140 129					112 112 114	115 124 123		69.4 71.7 71.9	99.8 102 102	93.6 96.1 96.1			8.8 54.2 54.5	66.6 69.2 69.2	87.6 89.5 89.8	74.9 76.9 76.9	49.4 50.1 50.3	55.4 56.3 56.5	64.3 65.8 65.8	55.7 56.8 57			
300	- B B2 BW							123 139 127				118 134 123					105 105 106	112 125 121		61.5 63 62.9	98.4 101 101	95.2 97.8 97.9			6.9 49.4 50.6	62.2 64.5 64.6	86.6 88.7 88.7	76.6 78.9 79.1	45.9 46.8 47	53.7 54.9 54.9	63.5 64.9 65	56.6 57.8 57.9			
310	- B B2 BW							118 131 122				113 129 117					91.9 91.8 92.5	110 124 116					94.5 96 96.2	96.6 99.4 99.5			45.5 46.5 46.6	57.9 60 60.2	85.7 87.8 87.6	78.2 81.3 81.4	42.3 43.3 43.5	51.9 53.4 53.6	62.4 63.9 64.1	57.2 58.6 58.7	
320	- B B2 BW											108 123 112					106 121 111					88.8 89.4 89.6	96.3 101 99.9				83.7 85.6 85.4	80.1 83.2 83.2	38.3 39.4 39.5	49.8 51.5 51.8	61.5 63 63.2	57.8 59.3 59.3			
330	- B B2 BW																101 116 105							94.4 102 98.7				80.4 81.8 81.8	82 84.5 84.6		46.6 48.3 48.6	60.8 62.3 62.4	58.3 59.9 60		
340	- B B2 BW																96.8 109 100							91.8 101 96				76.3 77.1 77.4	82.5 85.8 85.9		41 41.6 41.8	60.1 61.8 61.9	58.8 60.3 60.4		
350	- B B2 BW																93 100 96.1							88.6 97.3 92.3				65.6 65.9 66.2	81.7 86.3 86			59.7 61.6 61.9	59 60.6 60.8		
360	- B B2 BW																							85.2 93.4 88.6				79.4 86 84.5			58.6 60.3 60.8	59.3 61 61.1			
370	- B B2 BW																											76.1 84.3 81.5					59.5 61.3 61.5		
380	- B B2 BW																											72.7 80.1 77.1					59.8 61.7 62		
390	- B B2 BW																											68.7 72.5 71.9					60.2 62.6 62.7		
400	- B B2 BW																																60.3 63.5 63.1		

TAB 181391 / 181393 / 181397

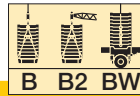
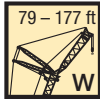
H



0 - 331000 lbs
0 lbs

ft		HS 256																							
		W 79				W 98				W 118				W 138				W 157				W 177			
		87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°
55	- B B2 BW	291 411 414 414				281 368 371 371																			
60	- B B2 BW	268 398 400 401	250 424 429 430			259 358 361 361				249 320 322 322															
65	- B B2 BW	248 385 387 388	231 413 417 417			239 347 349 350	221 369 372 372			230 312 314 314				223 280 281 282				249 250 250							
70	- B B2 BW	231 372 374 375	215 400 404 405			223 337 338 339	207 360 363 364			214 303 305 306				209 274 276 276				194 245 246 246							
75	- B B2 BW	215 358 362 363	200 388 391 393			208 327 328 329	193 351 354 353			200 295 296 297	185 314 317 317			196 268 270 270				187 240 241 241				184 216 217 217			
80	- B B2 BW	201 346 350 351	187 376 379 380			195 316 318 319	180 341 344 343			187 286 288 289	173 307 309 309			183 262 263 263	169 277 279 279			175 235 236 236				172 212 213 213			
85	- B B2 BW	189 333 337 338	175 364 367 367			183 306 308 309	169 330 334 333			175 279 279 280	162 299 301 302			172 254 256 256	158 272 273 274			164 230 230 231	150 242 243 244			161 209 210 210	217 219 219		
90	- B B2 BW	178 320 325 325	165 353 355 356			172 297 299 299	159 321 323 324			165 271 271 272	152 291 294 294			162 248 249 250	149 265 267 268			154 223 225 225	142 238 239 239			152 204 205 205	136 214 215 216		
95	- B B2 BW	169 309 314 314	156 341 347 348			162 287 290 290	150 312 313 315			156 263 264 265	143 283 286 287			153 242 242 243	140 260 261 262			146 218 220 220	133 233 234 235			143 200 201 201	131 211 212 212		
100	- B B2 BW	147 333 340 341				154 276 281 281	142 303 304 305			147 256 257 257	135 276 278 279			144 236 236 237	132 254 255 256			137 213 214 215	126 228 230 230			135 196 197 197	123 207 208 209		
105	- B B2 BW		96.6 390 398 399			145 267 271 271	134 294 296 297			139 249 250 250	128 269 270 271			136 230 230 231	125 248 249 249			130 208 209 209	118 224 225 225			128 191 192 192	117 204 205 205		
110	- B B2 BW		91.1 381 388 390			138 258 263 263	127 287 290 291			132 241 243 243	121 262 263 264			130 224 224 225	119 241 243 243			123 203 204 205	112 219 220 220			121 187 188 188	110 200 201 201		
115	- B B2 BW		86 372 380 381			132 251 255 255	121 280 284 285			126 233 236 236	115 255 256 257			123 219 219 220	113 235 237 237			117 199 199 200	106 214 215 215			115 183 184 184	105 196 197 197		
120	- B B2 BW		81.2 363 371 372				115 330 335 336	76.5		119 225 229 229	109 249 250 250			117 213 213 214	107 229 231 231			111 194 194 195	107 209 210 210			109 179 180 180	99.1 192 193 193		
125	- B B2 BW		76.8 354 360 362				72.3 322 328 329			114 218 222 222	104 243 245 246	66.5		111 207 207 208	102 224 224 225			105 190 189 190	95.4 204 205 206			104 175 176 176	94 189 189 190		
130	- B B2 BW		72.7 346 350 353				68.3 315 321 322			109 211 215 215	98.8 238 241 242	62.7		106 200 202 202	96.8 218 219 220	59.7		100 185 185 186	90.7 199 200 201			98.9 171 172 172	89.4 185 185 185		
135	- B B2 BW		68.9 340 344 344				64.8 308 313 313				94.4 232 236 236	59.3		102 194 197 197	92.4 214 215 216	57.3		95.7 180 181 181	86.4 195 195 196			94.4 168 168 168	85.2 181 181 182		
140	- B B2 BW		65.3 334 338 335				61.3 300 305 305				90.3 225 230 231	56		97.3 188 191 191	88.2 210 211 212	54.1		91.3 175 176 177	82.3 190 191 192	45.3		90 164 164 165	81.1 177 178 178	196 200 200	
150	- B B2 BW						55.1 290 289 294				50 263 266 267			89.3 178 181 181	80.6 200 204 204	48.3		83.3 165 168 168	74.8 183 183 184	42.4		82.1 157 157 157	73.6 169 170 170	41.3 195 198 198	
160	- B B2 BW										44.6 252 255 257				43.1 233 235 236			76.2 157 159 159	68 176 177 177	37.3		75 149 150 150	67 162 163 164	36.3 191 194 194	
170	- B B2 BW			274 297 279					12.6 270 293 275						38.4 223 225 227			70.1 148 150 150	62.1 168 171 171	32.8		68.8 141 143 143	61.1 157 158 158	31.9 186 189 189	

TAB 181391 / 181393 / 181397

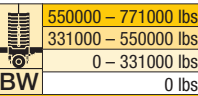


550000 – 771000 lbs
331000 – 550000 lbs
0 – 331000 lbs
0 lbs

ft		HS 256																			
		W 79				W 98				W 118				W 138				W 157			
		87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°
180	- B B2 BW				258 281 263				9.9 255 277 259				35.7 237 232 239				34.4 215 216 217			57.1 160 164 164	28.9 196 198 199
190	- B B2 BW								240 261 244				235 255 240				30.7 209 209 211			25.3 190 191 191	58.5 127 128 128
200	- B B2 BW												222 242 226				215 230 224			22 184 187 184	21.3 169 171 171
210	- B B2 BW												209 229 213				207 226 212			180 182 178	192 200 200
220	- B B2 BW												197 217 203				196 215 201			168 169 166	186 197 194
230	- B B2 BW																185 205 191			179 193 185	157 158 157
240	- B B2 BW																			170 187 175	164 172 171
250	- B B2 BW																			162 180 166	159 168 165
260	- B B2 BW																			154 171 158	152 165 157
270	- B B2 BW																				145 160 149

TAB 181391 / 181393 / 181397

H



B B2 BW

 550000 – 771000 lbs
 331000 – 550000 lbs
 0 – 331000 lbs
 0 lbs

ft		HS 256																											
		W 197				W 217				W 236				W 256				W 276				W 295				W 315			
		87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°
80	- B B2 BW	165																											
		188																											
		189																											
		189																											
85	- B B2 BW	154				148				144																			
		185				164				146																			
		186				165				146																			
		186				165				146																			
90	- B B2 BW	145				140				136																			
		182				162				144																			
		183				162				144																			
		183				162				144																			
95	- B B2 BW	137	124			132				128				123															
		179	187			142				126				126															
		179	188			160				142				126															
		180	188			160				143				126															
100	- B B2 BW	129	117			124	112			121				116				107				93.9							
		176	184			157	163			140				124				108				93.9							
		176	186			157	164			140				125				108				93.9							
		176	186			158	164			141				125				108				93.9							
105	- B B2 BW	122	110			117	106			114	102			110				104				93.2				78.2			
		173	181			154	161			138	143			123				106				93.2				78.2			
		173	182			155	162			138	144			123				107				93.2				78.2			
		173	183			155	162			139	144			123				107				93.2				78.1			
110	- B B2 BW	115	104			111	99.6			108	96.7			104	90.7			98.2				92.1				77.3			
		170	179			152	159			136	141			121	125			105				92.1				77.3			
		170	180			152	160			136	142			122	125			105				92.1				77.3			
		170	180			152	160			137	142			122	125			105				92.2				77.3			
115	- B B2 BW	109	98.6			105	94.1			102	91.3			97.8	87.2			92.6				88.3				76			
		165	176			149	157			134	140			119	124			104				90.9				76.2			
		166	177			150	157			134	141			120	124			104				91				76.4			
		166	177			150	158			135	141			120	124			104				91.1				76.4			
120	- B B2 BW	104	93.3			99.1	88.9			96.5	86.2			92.5	82.2			87.4	77			83.2	68.7			74.9			
		162	173			146	154			132	138			117	122			102	106			89.9	92.1			75.2			
		163	174			147	155			132	139			118	123			103	106			90	92.3			75.4			
		163	174			147	155			133	139			118	123			103	106			90.1	92.3			75.6			
125	- B B2 BW	98.3	88.4			94	84.1			91.4	81.5			87.6	77.6			82.5	72.5			78.5	68.4			73.8	63.6		
		158	170			144	152			130	136			116	121			101	105			88.9	91.3			74.3	76.6		
		159	171			144	152			130	137			116	121			101	105			89	91.6			74.5	76.3		
		160	171			144	153			130	137			116	121			101	105			89	91.6			74.7	76.4		
130	- B B2 BW	93.4	83.8			89.2	79.6			86.7	77.1			83	73.3			78.1	68.3			74.1	64.3			69.4	59.6		
		155	167			140	150			128	134			114	120			99.6	104			87.8	90.5			73.3	75.9		
		156	167			141	150			128	135			114	120			99.9	104			88	90.8			73.5	75.7		
		156	168			141	151			128	135			114	120			99.9	104			88	90.8			73.6	75.7		
135	- B B2 BW	89	79.7			84.9	75.6			82.5	73.1			78.8	69.4			74	64.5			70	60.6			65.5	55.9		
		152	164			138	147			126	133			112	118			98.2	102			86.7	89.7			72.4	75.1		
		153	164			139	147			126	133			113	118			98.5	103			86.9	89.9			72.6	74.9		
		153	165			138	148			126	133			112	118			98.6	103			86.9	90			72.6	75		
140	- B B2 BW	84.7	75.7			80.7	71.7			78.4	69.3			74.8	65.7			70	60.8			66.2	57			61.7	52.4		
		149	161			135	145			123	131			111	116			96.9	101			85.5	88.8			71.4	74.1		
		149	161			136	145			124	131			111	117			97.1	102			85.7	89.1			71.6	74.1		
		150	161			136	145			124	131			111	117			97.2	102			85.8	89.1			71.6	74.2		
150	- B B2 BW	77	68.4			73	64.5			70.8	62.2			67.4	58.8			62.7	54			59	50.3			54.6	45.9		
		143	154			130	140			119	127			107	113			94.2	98.8			83	87.1			69.5	72.3		
		143	155			130	140			119	127			107	113			94.4	99.2			83.2	87.3			69.6	72.6		
		144	155			130	140			119	127			107	114			94.5	99.2			83.2	87.3			69.7	72.7		
160	- B B2 BW	70	61.9	30.9		66.2	58.1			64	55.9			60.7	52.6			56.2	48			52.6	44.3			48.3	40		
		138	148	168		125	135			114	123			103	110			91.4	96.2			80.3	85			67.6	70.6		
		137	149	171		125	135			114	123			103	110			91.6	96.5			80.4	85.2			67.8	71		
		138	149	171		125	135			114	123			103	110			91.7	96.7			80.4	85.2			67.8	71.1		
170	- B B2 BW	63.8	56.1	26.6		60.1	52.4	22.6		58	50.3	20.3		54.8	47			50.3	42.5			46.8	39			42.7	34.8		
		131	142	166		121	130	146		110	119	128		99.6	107			88.4	93.9			77.7	82.3			65.7	68.9		
		132	143	168		120	130	148		110	119	130		99.6	107			88.8	94.2			77.6	82.6			65.9	69.4		
		132	143	168		121	130	148		110	119	130		99.7	107			88.9	94.1			77.7	82.7			66	69.4		
180	- B B2 BW	58.4	51	22.8		54.7	47.4	19.2		52.7	45.3	16.9		49.5	42.2			45.2	37.7			41.7	34.3			37.7	30.1		
		124	138	162		115	125	144		106	115	127		96.5	103			85.7	91.5			75.3	79.7			63.6	67.2		
		126	138	164		116	126	146		106	115	129		96.3	103			85.8	91.7			75.1	80.1			64.1	67.6		
		126	138	164		116	126	146		106	115	129		96.5	104			86.2	91.6			75.2	80.3			64.2	67.8		
190	- B B2 BW	53.5	46.8	19.4		49.8	42.8	15.8		47.8	40.8	13.6		44.8	37.7	10.4		40.5	33.3			37.1	29.9			33.1	25.8		
		118	134	158		110	121	141		102	110	126		93.6	100	110		82.9	89.1			72.6	77.4			61.8	65.4		
		120	134	160		111	122	143		102	111																		

TAB 181391 / 181393 / 181397

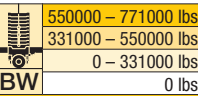


550000 – 771000 lbs
331000 – 550000 lbs
0 – 331000 lbs
0 lbs

B B2 BW

ft		HS 256																							
		W 197				W 217				W 236				W 256				W 276				W 295			
		87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°
230	- B B2 BW			8.5		34.7	28.4			32.3	26.2			29.5	23.4			25.3	19.2			22.1	16		
				141		89.8	104	127		84.7	98.5	115		79.1	89.4	103		71.2	77.8	90		63.6	69	76.7	
				144		91.3	107	128		86.1	98.6	117		80.5	89.1	105		71.5	77.6	90.9		63.4	68.7	77.7	
				144		91.4	107	129		86.2	98.4	117		80.7	89.3	104		71.6	77.7	91		63.5	68.7	77.7	
240	- B B2 BW			137	146			125		29.3	23.3			26.4	20.5			22.3	16.4			19.1	13.2		
				141	150			125		79.5	94.5	112		75.1	87.4	101		68.2	75.7	88.8		61.4	66.9	75.7	
				141	151			126	129	81	95.7	113		76.6	87.1	102		69.3	75.4	89.5		61.5	66.5	76.7	
								126	129	80.9	95.5	114		76.8	87.3	102		69.3	75.5	89.7		61.4	66.6	76.7	
250	- B B2 BW			131	145			124	126					23.5	17.9			19.4	13.7			16.3	10.6		
				135	150			125	130					70.4	84.7	98.3		65.5	74.1	87.3		59	64.7	74.7	
				135	150			125	130					71.8	84.7	99.5		66.9	73.8	88		59.7	64.6	75.6	
														72.1	85	99.9		67	73.9	88		59.7	64.8	75.6	
260	- B B2 BW			121	143			120	126					21	15.4			16.9	11.3			13.8	8.2		
				124	148			122	130					65.7	80	96.1	91.5	61.6	72.4	84.8		56.7	63.7	73.3	
				125	149			122	130					67.2	81.2	97.2	93.9	63	72.1	86.3		57.8	63.4	74.3	
														67.4	81.7	97.6	93.9	63	72.4	86.3		57.9	63.6	74.3	
270	- B B2 BW			139				114	125					18.8	13.2			14.5	9.1			11.4			
				144				117	129					61.7	75.8	94.5	93	57.6	69.2	82.5		53.9	62.6	71.9	
								118	129					63.1	77.3	95.3	95.4	58.9	69.8	84.4		55	62.2	72.8	
														63.1	77.9	95.7	95.7	58.9	70.1	84.6		55.1	62.5	72.9	
280	- B B2 BW			133				124										12.3				9.2			
				142				128										53.6	65.5	80.5	76.5	50.6	60.7	70.4	
				138				128										54.9	67.1	82.5	79	51.7	60.5	71.3	
																		54.9	67.4	82.6	78.7	51.8	60.7	71.4	
290	- B B2 BW			127				121										62.5	78.7	77.5		46.8	57.7	69	
				139				126										64.2	80.4	81	48	58.4	69.7	64.9	
				131				126										64.5	80.6	80.1	48.1	58.6	69.8	65	
300	- B B2 BW			121				117										58.4	77.2	78.1		42.8	54.6	67.6	
				136				124										59.8	78.2	82	44.5	56.1	68.1	66.1	
				126				121										59.9	78.6	81.5	44.7	56.2	68.3	66.2	
310	- B B2 BW							112																	
								123																	
								116																	
320	- B B2 BW																								
330	- B B2 BW																								
340	- B B2 BW																								
350	- B B2 BW																								
360	- B B2 BW																								
370	- B B2 BW																								
380	- B B2 BW																								
390	- B B2 BW																								
400	- B B2 BW																								
410	- B B2 BW																								

TAB 181391 / 181393 / 181397

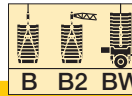
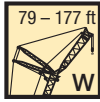


B B2 BW

550000 - 771000 lbs
331000 - 550000 lbs
0 - 331000 lbs
0 lbs

ft		HS 276																							
		W 79				W 98				W 118				W 138				W 157				W 177			
		87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°
55	- B B2 BW	280 371 374 375				251 332 335 335																			
60	- B B2 BW	258 360 363 363				248 324 326 327				240 292 293 294															
65	- B B2 BW	239 349 350 352	219 376 381 382			229 314 317 318	338 340 341			222 286 286 287				213 256 257 257											
70	- B B2 BW	223 337 339 340	206 367 372 372			214 306 308 309	190 332 334 334			207 278 279 280				201 252 253 253											
75	- B B2 BW	208 325 327 329	192 357 362 362			199 297 298 299	183 323 326 326			194 270 272 273	177 292 293 294			187 246 247 247				181 222 222 222					176 198 199 199		
80	- B B2 BW	195 313 316 318	179 346 351 351			187 288 289 290	171 313 318 318			181 263 265 265	166 286 287 288			175 240 241 241	160 258 258 259			170 218 218 218					165 196 195 196		
85	- B B2 BW	183 302 305 307	168 334 340 340			175 278 280 281	161 305 309 310			170 256 257 258	155 278 281 281			165 234 236 236	150 254 254 254			159 214 213 213	144 227 227 227				155 193 192 192		
90	- B B2 BW	173 290 294 296	159 323 329 330			165 269 272 273	151 297 301 302			160 249 250 251	146 271 274 275			155 229 229 230	141 248 249 249			150 208 209 209	136 223 224 224				146 189 189 189		
95	- B B2 BW	163 280 285 285	150 313 318 319			156 261 264 264	142 288 293 293			151 242 243 244	138 264 268 268			146 223 223 224	133 242 244 244			142 203 204 204	128 220 220 220				137 185 185 186	124 198 198 198	
100	- B B2 BW	141 302 309 310				147 252 255 256	134 280 284 285			143 235 237 238	130 258 261 261			138 217 217 218	125 236 239 239			134 199 199 199	121 216 216 216				130 181 182 182	117 195 195 195	
105	- B B2 BW					140 242 246 247	127 271 275 277			135 228 230 231	123 252 255 255			131 211 212 213	119 231 233 234			126 195 194 195	114 211 212 212				122 178 178 178	110 192 192 192	
110	- B B2 BW			81.2		133 234 238 239	121 264 267 269			128 221 224 225	117 244 248 248			124 206 207 207	112 225 228 228			120 190 190 190	108 206 208 208				116 174 174 174	104 188 188 189	
115	- B B2 BW			78 348 364 365		126 227 230 231	114 256 260 261			122 214 216 217	111 238 241 242			118 200 202 202	106 220 223 223			114 185 185 186	102 201 203 204				110 171 170 171	98.6 185 185 186	
120	- B B2 BW			73.6			109 248 253 254	67.3 310 321 322		116 206 209 210	105 232 235 236			112 195 197 197	101 215 218 218			108 181 181 181	97 197 199 199				105 167 166 167	93.5 181 182 182	
125	- B B2 BW			69.5			63.3 305 316 317			111 199 202 203	99.9 225 229 230			107 189 191 192	96 210 213 213			103 176 177 177	92.1 193 195 195				99.3 163 163 163	88.6 177 179 179	
130	- B B2 BW			65.7			59.7 299 309 311			106 193 196 197	95.2 219 222 224	55.2 270 280 280		102 183 185 186	91.4 205 207 208			97.9 172 172 173	87.5 189 191 191				94.5 159 159 160	84.2 173 175 175	
135	- B B2 BW			62.2			56.4 290 303 304			90.9 213 217 218	52.9 267 275 276			97.4 177 179 180	87.2 199 202 203			93.5 167 168 169	83.4 184 187 187				90.2 156 156 156	80.2 170 172 172	
140	- B B2 BW			58.8			53.3 282 297 297			86.8 207 211 212	49.9 262 271 272			93.1 171 174 175	83.2 194 197 198	43.6 235 243 243		89.2 163 163 164	79.4 181 183 183	39.8 211 217 217			86 152 152 153	76.3 166 168 168	
150	- B B2 BW						47.5 268 283 283				44.3 252 261 262			85.4 161 164 165	75.8 184 188 188	40.8 231 238 239		81.4 153 154 155	72.2 173 175 175	37 208 214 214			78.4 145 145 146	69.1 160 162 162	
160	- B B2 BW										39.3 239 251 251				36 223 231 232			74.5 143 145 146	65.7 164 167 167	32.3 204 210 210			71.5 137 138 139	62.7 153 155 155	29.3 183 188 188
170	- B B2 BW				267 290 272						34.8 227 240 240				31.7 215 223 224			68.4 135 137 138	59.9 156 159 160	28.2 197 204 204			65.4 129 130 131	57.1 147 148 149	25.3 179 185 185

TAB 181391 / 181393 / 181397

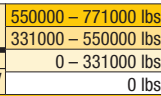
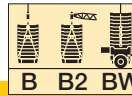


550000 – 771000 lbs
331000 – 550000 lbs
0 – 331000 lbs
0 lbs

ft 		HS 276																							
		W 79				W 98				W 118				W 138				W 157				W 177			
		87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°
180	- B B2 BW			252 274 257						30.9 219 231 231				28 205 216 216			54.9 148 151 152	24.5 191 198 198		60.2 121 123 124	52.1 140 142 143	21.7 174 180 180			
190	- B B2 BW							232 254 237						24.5 197 208 208				21.2 184 191 192		55.5 115 117 117	47.6 133 136 136	18.5 170 175 176			
200	- B B2 BW							219 239 223			212 231 220							18.1 175 184 184				15.5 165 171 171			
210	- B B2 BW										203 223 208				193 205 204			166 176 176				12.8 160 166 166			
220	- B B2 BW									192 212 197				186 201 194				164 171 174	170 179 180			10.4 152 159 159	150 142 156		
230	- B B2 BW												178 195 184					167 177 177			8.1 144 155 155	150 158 158			
240	- B B2 BW												169 188 174					163 174 170				149 157 157			
250	- B B2 BW																	156 171 162				147 155 155			
260	- B B2 BW																	148 166 154				143 153 150			
270	- B B2 BW																					138 150 143			
280	- B B2 BW																					132 146 136			

TAB 181391 / 181393 / 181397

H

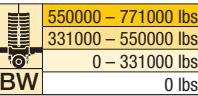


B B2 BW

0 lbs

ft		HS 276																											
		W 197				W 217				W 236				W 256				W 276				W 295				W 315			
		87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°
80	- B B2 BW	158 173 173 173																											
85	- B B2 BW	148 171 170 171				144 153 152 152				134 134 134 134																			
90	- B B2 BW	139 169 168 168				136 151 150 151				129 133 132 132																			
95	- B B2 BW	131 112 166 174 165 165				128 149 148 149				122 132 131 131				115 116 115 116															
100	- B B2 BW	123 110 163 173 162 173 163 173				121 102 147 154 146 153 146 154				115 130 129 129				111 115 114 114				99.2 99.6 98.8 98.9											
105	- B B2 BW	116 104 161 171 160 170 160 171				114 102 145 152 144 152 144 152				109 96.2 129 134 128 133 128 133				104 113 113 113				98.3 98.3 97.6 98				86.1 86.1 85.9 85.9			71 71 71 71				
110	- B B2 BW	110 98.2 157 168 157 168 157 168				108 96.1 143 151 142 151 142 151				103 90.7 127 133 126 132 126 132				98.6 84.9 112 116 111 116 111 116				93.1 85 85 84.9 96.8				85 85 85 85.1			70.3 70.3 70.3 70.3				
115	- B B2 BW	104 92.8 154 166 154 166 154 166				102 90.8 141 149 140 149 140 149				97.2 85.6 126 131 124 131 124 131				93.1 81.5 111 116 110 115 110 115				87.9 96.3 95.6 95.6				82.5 84.2 84 84.1			69.5 69.5 69.5 69.5				
120	- B B2 BW	98.9 87.7 151 163 151 163 151 164				97 85.9 138 147 137 147 137 147				91.9 80.7 124 130 122 130 123 130				88 76.8 110 115 108 114 109 114				82.9 71.6 95.3 98.7 94.5 98.4 94.6 98.4				78.7 83.3 83.1 83.1			68.1 68.6 68.6 68.7				
125	- B B2 BW	93.8 83 148 160 148 161 148 161				92 81.3 135 145 135 145 135 145				87.1 76.2 122 129 121 128 121 128				83.2 72.3 108 114 107 113 107 113				78.2 67.3 94.3 98 93.5 97.7 93.5 97.7				74.2 63.2 82.4 84.8 82 85.2 82.1 85.2			67.2 67.4 69.3 67.6 69.5 67.9 69.5				
130	- B B2 BW	89.1 78.7 145 157 144 158 145 158				87.4 77 133 143 133 143 133 143				82.6 72.1 119 127 119 127 119 127				78.8 68.3 107 112 106 112 106 112				73.9 63.3 93.3 97.3 92.4 96.9 92.4 96.8				69.9 59.3 81.1 84.2 80.6 84.7 80.7 84.7			64.8 53.6 66.6 68.6 66.8 68.8 66.9 68.9				
135	- B B2 BW	84.8 74.7 142 154 141 155 142 156				83.2 73.1 131 141 130 141 130 141				78.4 68.3 117 126 117 125 117 125				74.8 64.6 105 111 104 111 104 111				70 59.7 92.2 96.3 91.3 96 91.2 96				66.1 55.7 79.9 83.6 79.3 84 79.4 84			61.5 51.1 65.8 68 66 68.2 66 68.3				
140	- B B2 BW	80.7 70.9 139 151 139 152 139 153				79.2 69.4 129 139 127 139 128 139				74.5 64.6 115 124 115 124 115 124				70.9 61 103 110 103 110 103 110				66.1 56.1 91.1 95.3 90.1 95.2 90.1 95.2				62.3 52.3 78.8 82.9 78.1 83.3 78.1 83.3			57.8 47.7 64.9 67.3 65.2 67.5 65.2 67.6				
150	- B B2 BW	73.2 63.9 133 146 133 147 134 147				71.7 62.5 124 134 122 135 123 135				67.2 57.9 111 121 111 120 111 120				63.8 54.4 100 108 99.6 107 99.6 107				59.1 49.7 88.7 93.4 87.8 93.3 87.7 93.4				55.4 45.9 76.7 80.9 75.8 81.4 75.9 81.4			51.1 41.5 63.3 65.9 63.5 66.2 63.6 66.3				
160	- B B2 BW	66.5 57.7 21.3 127 140 162 128 142 165 128 142 165				65.1 56.3 119 129 118 130 119 130				60.7 51.8 107 117 106 117 107 117				57.4 48.5 97.1 105 96.5 104 96.6 105				52.8 43.8 85.9 91.7 85.3 91.3 85.3 91.6				49.2 40.2 74.7 78.6 73.8 79.2 73.9 79.2			45 35.9 61.7 64.4 61.8 64.8 61.9 64.9				
170	- B B2 BW	60.5 52.1 19.9 121 135 160 122 136 164 122 136 164				59.1 50.8 18.4 114 125 142 113 126 144 114 126 145				54.8 46.4 104 112 103 113 103 113				51.6 43.2 94.1 102 93 102 93.5 102				47.2 38.6 83 89.8 82.5 89.4 82.4 89.7				43.7 35.1 72.5 77 71.8 77.2 71.9 77.4			39.5 30.9 60 63 60.2 63.5 60.2 63.5				
180	- B B2 BW	55.3 47.2 16.5 114 129 157 115 131 161 115 131 161				53.9 45.9 15.3 109 120 140 108 121 143 109 121 143				49.7 41.6 99.6 109 98.9 110 99.2 109				46.6 38.5 91.1 98.6 90.1 98.8 90.4 98.9				42.2 34 80.1 87.8 79.6 87.3 79.5 87.5				38.7 30.6 70.3 75.4 69.8 75.5 69.6 75.6			34.7 26.4 58.3 61.6 58.5 62.1 58.6 62.1				
190	- B B2 BW	50.5 42.8 13.4 108 124 153 109 126 158 109 127 158				49.1 41.5 12.2 103 116 138 103 117 142 104 117 142				45 37.3 95.5 105 122 95.1 106 124 95.3 106 124				41.9 34.2 88 95.5 106 87.2 95.8 108 87.5 96 108				37.6 29.8 77.3 85.3 76.5 85.2 76.7 85.3				34.2 26.5 68.2 73.7 67.7 73.7 67.5 73.8			30.2 22.3 56.5 60.2 56.9 60.6 57 60.7				
200	- B B2 BW	46.2 38.7 10.5 102 118 149 103 121 154 103 122 155				44.7 37.4 9.3 97.6 111 135 98.1 112 139 98.5 113 139				40.7 33.3 91.3 102 120 91.1 102 123 91.4 102 123				37.7 30.3 84.8 92.8 105 84.2 93 107 84.4 93.2 107				33.4 26 74.5 82.5 88.7 73.6 82.9 90.1 73.9 82.9 90.2				30.1 22.6 66.1 71.9 73 65.5 71.8 74.2 65.5 71.9 74.3			26.1 18.6 54.9 58.7 55.3 59.1 55.4 59.3				
210	- B B2 BW	35 112 145 115 150 116 151				40.7 33.7 92.5 107 132 93.1 108 137 93.5 109 137				36.7 29.6 86.8 97.9 118 87 98.4 121 87.4 99 121				33.8 26.7 81.1 90 104 80.9 90.3 106 81.1 90.5 107				29.6 22.4 71.9 79.9 88.8 70.9 80.3 90.3 71.3 80.3 90.4				26.3 19.1 64.1 69.8 73.4 63.2 69.9 74.6 63.4 70.1 74.7			22.4 15.1 53.3 57.1 58.3 53.8 57.6 59 53.8 57.8 59				
220	- B B2 BW	31.9 107 142 109 146 110 147				37.2 30.4 87.6 102 129 88.4 104 134 88.9 104 134				33.2 26.3 82.2 94.3 116 82.7 95.4 119 83.1 95.9 119				30.3 23.4 76.7 87 103 76.8 87.3 105 77 87.5 105				26.1 19.2 69 77 88.3 68.2 77.3 90.2 68.5 77.4 90.3				22.9 16 62.2 67.9 73.4 61.2 68 74.8 61.4 68.1 74.9			19 12.1 51.7 55.7 58.2 52 56.1 59 52.1 56.3 59				

TAB 181391 / 181393 / 181397



B B2 BW

550000 - 771000 lbs

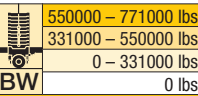
331000 - 550000 lbs

0 - 331000 lbs

0 lbs

ft 		HS 276																											
		W 197				W 217				W 236				W 256				W 276				W 295				W 315			
		87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°
230	- B B2 BW				34	27.3			29.9	23.3			27.1	20.5			22.9	16.3			19.8	13.1			15.9	9.2			
			137		82.7	97.1	127		77.1	90.2	113		72.2	83.6	101		65.8	74.2	87.8		60	66	73.2		50.1	54.1	58		
			142		84.1	98.9	131		78	92.1	117		72.6	84.3	104		65.5	74.4	89.7		59.1	66.1	74.9		50.3	54.6	58.9		
240	- B B2 BW																												
			130	130			123		27	20.5			24.1	17.7			20	13.5			16.8	10.4			13				
			137	136			127		71.9	86.3	110		67.9	80	99.4		62.6	71.3	86.8		57.6	64	73.1		48.4	52.5	57.7		
250	- B B2 BW																												
			126	130			119	114		81.7	108		63.9	76.5	97.5		59.3	68.6	85.7		54.8	62	72.8		46.4	51.1	57.2		
			133	137			123	118		84.3	112		64.6	78.2	100		60	69.7	87.9		54.6	62.1	74.7		47.2	51.8	58.3		
260	- B B2 BW																												
			124	128			115	114		15.6			18.9	12.8			14.8	8.7			11.6								
			130	136			119	119		77.6	105	89.8	59.9	72.8	95.3		55.9	66.2	84.3		52	59.9	72		44.1	49.7	56.8		
270	- B B2 BW																												
280	- B B2 BW																												
290	- B B2 BW																												
300	- B B2 BW																												
310	- B B2 BW																												
320	- B B2 BW																												
330	- B B2 BW																												
340	- B B2 BW																												
350	- B B2 BW																												
360	- B B2 BW																												

TAB 181391 / 181393 / 181397

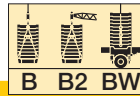
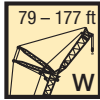


B B2 BW

 550000 – 771000 lbs
 331000 – 550000 lbs
 0 – 331000 lbs
 0 lbs

ft		HS 295																			
		W 79				W 98				W 118				W 138				W 157			
		87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°
55	- B B2 BW	268 337 339 339																			
60	- B B2 BW	247 326 330 330				239 296 297 297				230 265 265 266											
65	- B B2 BW	229 317 320 320	207 341 345 347			222 287 290 290				213 259 260 260				206 233 234 234							
70	- B B2 BW	213 307 309 310	195 333 338 339			207 279 282 282				198 252 254 254				194 229 229 230							
75	- B B2 BW	199 297 298 300	182 324 329 330			193 272 274 274	175 294 297 297			185 245 247 248				182 224 225 225				174 201 201 201			160 180 180 180
80	- B B2 BW	187 288 289 290	170 315 320 320			181 264 266 266	164 287 290 290			174 239 241 241	157 259 260 260			170 220 220 220	153 234 234 234			163 197 197 197			157 177 177 177
85	- B B2 BW	176 278 279 281	160 305 310 310			170 256 257 258	154 279 283 283			163 233 235 235	147 254 254 255			160 215 215 215	144 230 230 230			153 193 193 193	136 205 205 205		148 174 174 174
90	- B B2 BW	166 267 270 271	150 296 301 301			160 248 249 251	145 272 276 276			154 227 228 229	138 248 249 249			151 209 210 210	136 226 226 226			144 189 189 189	128 202 202 202		139 171 171 171
95	- B B2 BW	157 259 262 263	142 286 292 292			151 241 242 243	137 265 268 269			145 221 222 223	130 241 243 244			142 203 205 205	128 222 221 222			135 185 184 185	121 199 198 199		131 168 167 167
100	- B B2 BW	134 277 283 283	127 296 301 301			143 232 234 235	129 257 261 261			137 215 216 217	123 235 238 238			135 199 200 200	121 218 217 218			128 180 180 181	114 196 195 195		124 165 164 164
105	- B B2 BW	127 269 273 275	120 296 301 301			136 224 227 228	122 250 254 254			130 209 210 211	116 229 232 232			127 194 194 195	114 212 212 213			121 176 176 177	107 193 191 192		117 162 161 161
110	- B B2 BW	120 263 268 269	117 296 301 301			129 217 220 221	116 241 247 247			123 203 204 205	110 224 227 227			121 189 189 190	108 207 208 208			115 172 172 173	102 189 187 188		111 158 157 157
115	- B B2 BW	123 211 213 214	110 235 239 240			123 211 213 214	110 235 239 240			117 196 198 199	104 218 221 221			115 184 185 186	102 202 204 204			109 168 168 169	96.3 185 184 184		105 154 154 154
120	- B B2 BW	117 296 301 301	110 235 239 240			123 211 213 214	110 235 239 240			117 196 198 199	104 218 221 221			115 184 185 186	102 202 204 204			109 168 168 169	96.3 185 184 184		105 154 154 154
125	- B B2 BW	117 296 301 301	110 235 239 240			123 211 213 214	110 235 239 240			117 196 198 199	104 218 221 221			115 184 185 186	102 202 204 204			109 168 168 169	96.3 185 184 184		105 154 154 154
130	- B B2 BW	117 296 301 301	110 235 239 240			123 211 213 214	110 235 239 240			117 196 198 199	104 218 221 221			115 184 185 186	102 202 204 204			109 168 168 169	96.3 185 184 184		105 154 154 154
135	- B B2 BW	117 296 301 301	110 235 239 240			123 211 213 214	110 235 239 240			117 196 198 199	104 218 221 221			115 184 185 186	102 202 204 204			109 168 168 169	96.3 185 184 184		105 154 154 154
140	- B B2 BW	117 296 301 301	110 235 239 240			123 211 213 214	110 235 239 240			117 196 198 199	104 218 221 221			115 184 185 186	102 202 204 204			109 168 168 169	96.3 185 184 184		105 154 154 154
145	- B B2 BW	117 296 301 301	110 235 239 240			123 211 213 214	110 235 239 240			117 196 198 199	104 218 221 221			115 184 185 186	102 202 204 204			109 168 168 169	96.3 185 184 184		105 154 154 154
150	- B B2 BW	117 296 301 301	110 235 239 240			123 211 213 214	110 235 239 240			117 196 198 199	104 218 221 221			115 184 185 186	102 202 204 204			109 168 168 169	96.3 185 184 184		105 154 154 154
155	- B B2 BW	117 296 301 301	110 235 239 240			123 211 213 214	110 235 239 240			117 196 198 199	104 218 221 221			115 184 185 186	102 202 204 204			109 168 168 169	96.3 185 184 184		105 154 154 154
160	- B B2 BW	117 296 301 301	110 235 239 240			123 211 213 214	110 235 239 240			117 196 198 199	104 218 221 221			115 184 185 186	102 202 204 204			109 168 168 169	96.3 185 184 184		105 154 154 154
165	- B B2 BW	117 296 301 301	110 235 239 240			123 211 213 214	110 235 239 240			117 196 198 199	104 218 221 221			115 184 185 186	102 202 204 204			109 168 168 169	96.3 185 184 184		105 154 154 154
170	- B B2 BW	117 296 301 301	110 235 239 240			123 211 213 214	110 235 239 240			117 196 198 199	104 218 221 221			115 184 185 186	102 202 204 204			109 168 168 169	96.3 185 184 184		105 154 154 154

TAB 181391 / 181393 / 181397

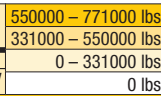


550000 – 771000 lbs
331000 – 550000 lbs
0 – 331000 lbs
0 lbs

ft		HS 295																							
		W 79				W 98				W 118				W 138				W 157				W 177			
		87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°				
180	B B2 BW										23.9			23				50.9	17.6		57	48.2	14.8		
											209			197			136	181		111	128	165			
											223			209			138	189		112	130	170			
											224			209			139	189		113	130	170			
190	B B2 BW				228									19.8					14.6		52.5	43.9	11.9		
					250									190				175		106	122	161			
					233									201				184		107	124	167			
														202				184		107	125	167			
200	B B2 BW							210				196			183			11.8			40	9.2			
								232				226			194			168		116	157				
								217				212			194			179		119	163				
													194			179			179		119	164			
210	B B2 BW											190				178			161			151			
												215				202			173			159			
												200				198			173			160			
																			173						
220	B B2 BW											182				173			156	157		145			
												204				199			165	165		155			
												189				187			167	175		155			
230	B B2 BW											173				167				154		140			
												192				192			175		150				
												179				177			170		150				
240	B B2 BW															161				150		136	138		
																182			173		144	153			
																168			162		146	152			
250	B B2 BW																			144			136		
																				167		153			
																				154		150			
260	B B2 BW																			139			132		
																				159		152			
																				146		143			
270	B B2 BW																			134			127		
																				151		147			
																				139		136			
280	B B2 BW																						123		
																						141			
																						130			

TAB 181391 / 181393 / 181397

H

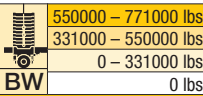


B B2 BW

0 lbs

ft		HS 295																												
		W 197				W 217				W 236				W 256				W 276				W 295				W 315				
		87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	
80	—	153																												
	B B2 BW	158 158 158																												
85	—	143																												
	B B2 BW	156 156 156				138 139 139 139																								
90	—	135																												
	B B2 BW	154 153 153 153				137 137 137 137																								
95	—	127																												
	B B2 BW	152 151 151 151				122 135 135 135				116 119 119 119				105 106 105 105																
100	—	120	106																											
	B B2 BW	149 148 148 148	158 157 157 157			115 134 132 133				110 118 117 117				103 104 104 104				91.1 91.1 90.4 90.5												
105	—	114	99.9																											
	B B2 BW	147 145 146 146	156 155 155 155			109 132 130 131	95.4 139 138 138			103 116 115 115				99.2 103 102 102				90.1 90.1 89.3 89.5				77.4 77.4 76.7 76.7				65 65.1 64.7 64.8				
110	—	108	94.4																											
	B B2 BW	144 143 143 143	154 153 153 153			103 130 128 128	90 137 136 136			97.8 115 113 114	83 121 119 120			93.6 102 101 101	78.9 105 105 105				87.4 88.8 88.1 88.3				76.6 76.6 75.7 75.7				64.5 64.6 64.1 64.1			
115	—	102	89.3																											
	B B2 BW	141 140 140 140	152 150 150 150			97.6 127 126 126	85 135 134 134			92.4 113 112 112	79.7 119 118 118			88.4 100 99.1 99.3	75.7 105 104 104				83.2 87.8 87 87.1				75.5 75.6 74.7 74.8				64 64 63.5 63.4			
120	—	96.7	84.5																											
	B B2 BW	138 137 137 137	149 148 148 148			92.5 125 124 124	80.3 133 132 133			87.4 111 110 110	75.1 118 117 117			83.5 99.1 97.7 97.8	71.2 104 103 103				78.4 86.8 85.8 85.9	66 90.2 89.5 89.5				73.6 74.5 73.6 73.8				63.2 63.2 62.7 62.7		
125	—	91.8	80																											
	B B2 BW	135 134 134 134	147 146 146 146			87.7 123 121 121	75.9 132 130 131			82.7 110 108 108	70.8 117 115 115			78.9 97.8 96.3 96.4	67 103 102 102				73.9 85.8 84.7 84.8	61.9 89.6 88.7 88.7				69.9 73.6 72.7 72.8	57.8 76.5 75.8 75.8				62.2 62.3 61.9 62	
130	—	87.3	75.8																											
	B B2 BW	133 132 132 132	145 143 143 143			83.2 120 119 119	71.8 130 128 129			78.4 108 106 106	66.9 115 114 114			74.7 96.4 94.8 95	63.1 102 101 101				69.7 84.8 83.6 83.6	58.1 88.8 87.8 87.8				65.8 72.6 71.6 71.7	54.1 75.9 75.1 75.1				60.6 61.5 61.1 61.3	48.5 63.3 63.2 63.2
135	—	83.1	72.1																											
	B B2 BW	130 129 129 129	142 141 141 141			79.2 118 117 117	68.1 128 127 127			74.4 106 104 104	63.3 113 112 112			70.8 95 93.4 93.6	59.6 101 99.7 99.5				65.9 83.5 82.2 82.3	54.7 88.1 86.9 87				62.1 71.7 70.5 70.6	50.7 75.3 74.3 74.4				57.5 60.7 60.3 60.5	46.1 62.8 62.8 62.8
140	—	79.2	68.4																											
	B B2 BW	127 126 126 127	140 138 138 138			75.3 115 114 115	64.5 126 125 125			70.6 104 103 103	59.8 112 110 110			67.1 93.7 91.9 92.2	56.2 99.5 98.5 98.4				62.3 82.2 80.7 80.8	51.3 87.3 86 86.1				58.5 70.7 69.5 69.6	47.5 74.7 73.6 73.6				54 60 59.6 59.6	42.9 62.3 62.2 62.3
150	—	71.9	61.7																											
	B B2 BW	122 121 122 122	134 133 133 133			68.1 111 110 110	58 123 121 121			63.6 100 98.9 99	53.3 109 107 107			60.2 90.6 88.9 89.3	49.9 97 95.9 95.9				55.5 79.5 77.7 77.9	45.2 85.2 84 84.1				51.8 68.7 67.7 67.4	41.4 73.4 71.9 72				47.5 58.5 58 58	37 61.1 61 61.1
160	—	65.3	55.7																											
	B B2 BW	117 116 116 116	129 128 128 129			61.7 107 106 106	52 118 116 117			57.3 96.4 95.3 95.5	47.5 106 104 104			54 87.5 85.8 86.1	44.2 94.7 93.3 93.4				49.4 76.6 74.7 74.9	39.6 82.7 81.7 81.8				45.8 66.8 65.3 65.3	36 71.8 70.2 70.3				41.6 57 56.3 56.4	31.6 59.8 59.8 59.8
170	—	59.5	50.3	14.9																										
	B B2 BW	111 111 111 111	124 124 124 124	149 151 151 151		56 103 102 102	46.8 114 112 113	11.3 131 131 131		51.6 93 91.8 92.1	42.4 103 101 101			48.4 84.6 82.4 82.7	39.2 92.4 90.7 90.8				44 73.5 72 72.1	34.6 80.2 78.6 78.9				40.5 64.8 63.2 63.2	31.1 69.7 68.4 68.4				36.3 55.4 54.6 54.8	26.8 58.3 58.5 58.5
180	—	54.4	45.6	12																										
	B B2 BW	105 106 106 106	119 119 119 120	148 150 150 151		50.9 98.3 97.7 97.8	42.1 109 108 109	8.4 130 131 131		46.7 89.8 88.6 89	37.8 99 97.4 97.5			43.6 81.5 79.1 79.4	34.7 89.9 88.2 88.3				39.2 70.9 69.5 69.4	30.2 77.8 76.1 76.3				35.7 62.8 61.3 61.3	26.8 68 66.4 66.4				31.6 53.9 52.9 53.1	22.6 56.9 57.1 57.1
190	—	49.7	41.2	9.1																										
	B B2 BW	99.7 100 101 101	114 115 115 115	145 149 149 149		46.3 93.7 93.6 93.8	37.9 105 105 105			42.1 86.3 85.3 85.8	33.7 95.7 94.5 94.5	112 113 113 113		78.3 76.2 76.4 76.4	30.6 87.1 85.6 85.6				39.1 68.5 66.9 66.9	30.6 75.7 73.7 73.8				34.8 60.8 59.3 59.5	26.2 66.3 64.6 64.6				27.4 52.1 51.3 51.5	18.7 55.5 55.7 55.7
200	—	45.4	37.3																											
	B B2 BW	94.5 95.4 96.1 96.1	109 110 111 111	142 147 147 147		42 89 89.4 89.8	34 101 101 101			37.9 82.3 81.7 82.3	29.8 92.3 91.6 91.6			35 75.1 73.4 73.6	26.8 84.1 82.8 82.7				60.7 66.1 64.5 64.6	22.5 73.4 71.4 71.5				30.7 58.8 57.4 57.6	19.2 64.6 62.8 62.9				23.4 50.5 49.8 49.8	15.1 54.2 54.1 54.3
210	—																													
	B B2 BW		33.7 104 106 106			38.1 84.1 84.9 85.5	30.4 96.6 97.8 98.2	126 128 128 128		34.1 77.7 77.8 78.3	26.3 89 88.7 88.8			31.2 71.8 70.6 70.8	23.4 80.9 79.8 79.7				27 63.8 62.3 62.4	19.1 71.1 69.2 69.2				23.7 56.9 55.4 55.5	15.8 62.9 61.1 61.3				19.8 49 48.2 48.1	11.8 52.8 52.7 52.8
220	—																													
	B B2 BW		30.5 99.4 101 101			34.7 79.1 80 80.5	27.2 92.7 94.1 94.5	123 123 127 127		30.7 73.2 73.8 74.4	23.2 85.6 86.1 86.3			27.8 68.3 67.8 68	20.3 77.4 76.8 76.8				23.6 61.4 60.1 60.2	16.1 68.8 67 67.2				20.4 55.1 53.6 53.8	12.8 61.1 59.4 59.5				16.5 47.3 46.5 46.5	8.9 51.4 51.3 51.3

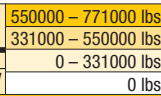
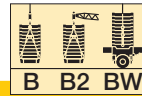
TAB 181391 / 181393 / 181397



0 - 331000 lbs
0 lbs

ft 		HS 295																																0 lbs	
		W 197				W 217				W 236				W 256				W 276				W 295				W 315									
		87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°						
230	- B B2 BW			131 138 138		31.6 74.9 75.8 76.2	24.3 88.8 90.2 90.7	120 124 125		27.5 69.2 69.9 70.3	20.3 82.1 83.2 83.4	107 109 109		24.7 64.9 65 65.2	17.4 74.4 74.3 74.5	94.7 95.9 96.1		20.5 58.8 58 58.2	13.2 66.4 65 65.1	81.4 82.6 82.5		17.4 53.2 51.8 52	10.1 59.4 57.8 57.8	67.5 68.5 68.5		13.5 45.8 44.9 44.9	49.8 49.9 49.9	53.8 54.8 54.9							
240	- B B2 BW			126 134 134			85 86.5 87.1	117 121 122		24.6 65.4 66.1 66.3	17.6 78.3 79.7 80.1	104 108 108		21.8 61.5 62 62.3	14.8 71.5 72.1 72.3	93.4 94.1 95.1 95.2		17.7 56.2 55.9 56.1	10.6 64.1 63.2 63.3	80.2 82 81.9		14.6 51.2 50 50.2	57.6 56.2 56.2 56.1	67.2 68.4 68.4 68.4		10.7 44.3 43.3 43.3	48.4 48.5 48.5	53.5 54.6 54.6							
250	- B B2 BW			122 130 130	123 133 133			113 119 119			15.1 74.3 75.4 76.1	102 106 106		19.1 58.1 58.5 59	12.3 68.5 69.8 70.2	91.8 94.1		15 53.5 53.7 54	61.8 61.6 61.8	78.9 81.1 81.1		11.9 48.9 48.3 48.4	55.8 54.6 54.5	67 68 68		42.7 41.6 41.7	47.1 47.1 47.2	53.1 54.3 54.3							
260	- B B2 BW			119 127 127	121 134 134			109 116 116	108 114 112		12.9 70.4 71.6 72.3	100 104 104		16.7 54.8 55.1 55.8	10.1 65.6 66.7 67.1	90.3 92.8 92.9		12.6 50.5 50.7 51.1	59.5 60 60.3	77.7 79.7 79.7		9.5 46.6 46.5 46.6	53.9 53.2 53.3	66.5 67.5 67.6		40.4 39.7 39.8	45.7 45.7 45.8	52.7 54 53.9							
270	- B B2 BW			118 133 131				105 113 113	107 116 116			96.9 102 102		51.4 51.8 52.3	62.7 63.5 64	88.7 91.4 91.7		10.4 47.3 47.5 47.9	57 57.7 58.2	76.4 78.4 78.5		43.8 44 44.1	52 51.9 52.2	66 67 67.1		38.1 37.8 37.9	44.5 44.7 44.6	52.1 53.4 53.4							
280	- B B2 BW			115 133 126				103 110 110	105 116 116			93.8 99.6 99.8	93.2 98.8 98.8		59.5 60.3 60.8	86.8 90.1 90.4	78.4 83.8 83.8		43.7 43.9 44.2	54.5 55.2 55.7	75.1 77.2 77.4		40.6 40.9 41.1	50 50.3 50.7	65.2 66.4 66.5		35.7 35.8 35.9	43.3 43.7 43.7	51.6 52.9 52.8						
290	- B B2 BW			111 131 120				103 116 115				91.1 97.5 97.6	92.6 99.6 99.8			84.4 88.8 88.9	79.8 85.4 85.4		51.8 52.5 53	73.7 76.3 76.4	64.8 67.2 67.2		37.1 37.3 37.6	47.7 48.3 48.8	64.3 65.6 65.7		33.2 33.5 33.7	42.1 42.7 42.8	50.9 52.2 52.2						
300	- B B2 BW			108 126 115				100 116 111				89.6 95.3 95.5	91.1 99.9 100			81.8 87.4 87.3	80.6 86.4 86.4		48.7 49.4 49.7	71.7 75.3 75.4	65.6 69.2 69.2		33.8 34 34.3	45.2 45.8 46.2	63.3 64.9 65	51.9 38.5 54.8		30.6 30.8 30.9	40.4 41.1 41.3	50 51.5 51.6					
310	- B B2 BW			104 120 109				97.4 113 106				89.2 99.9 98.8				78.8 85.6 85.5	79.9 86.9 87			69.9 74.4 74.3	66.4 70.5 70.6		30.8 31.1 31.4	42.1 42.5 43.1	62.1 64.2 64.3	54.8 56.9 56.9		28 28.1	37.8 38.6 38.6	49.4 50.8 50.9					
320	- B B2 BW							94.6 110 101				87.1 99.6 96				76.7 82.5 82.8	78.2 87.2 87.1			68 73.1 73	66.6 71.4 71.6			38.5 38.9 39.5	61 63.5 63.7	55.9 58.4 58.4		25.3 25.8	35 35.7	48.6 50.2 43.1	40.5 43.1 43.1				
330	- B B2 BW											84.9 98.8 92.1				75.9 87.4 86.5				66 71.5 71.3	66.2 72.1 72.2				59.7 62.8 62.9	56.6 59.7 59.8		32.2 32.5 33	47.9 49.5 49.5	42.5 44.2 44.2					
340	- B B2 BW											82.6 97.3 88				74 87.3 84.7				64.9 69.7 69.8	65 72.5 72.6				58.2 61.9 61.9	56.9 60.6 60.8		29.5 29.7 30.1	47.3 48.8 48.9	43.4 45.1 45					
350	- B B2 BW											78.8 93.2 84.1				71.9 87.2 80.1					63.8 72.7 72.3				56.6 60.9 60.9	56.8 61.2 61.2			46.8 48.4 48.6	44.1 45.8 45.8					
360	- B B2 BW															69.8 84.9 75.8					62.5 72.8 70.4				55.7 59.3 59.1	56.1 61.5 61.6			46.5 48.2 48.3	44.6 46.4 46.5					
370	- B B2 BW																					60.9 72.4 67.3				55.1 61.7 61.6			46.5 48.1 48.1	45.1 47 47					
380	- B B2 BW																				59.4 71.3 64.1					54 61.9 60.4			46.5 48.1 47.4	45.5 47.5 47.5					
390	- B B2 BW																					57.8 68.6 61.5				52.9 62.1 58.3				45.4 48 48					
400	- B B2 BW																									51.7 61.5 55.8				44.8 48.4 48.5					
410	- B B2 BW																													44 49.2 48.5					
420	- B B2 BW																													43.1 50.4 47.3					
430	- B B2 BW																													40.5 50.8 45.3					

TAB 181391 / 181393 / 181397

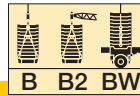
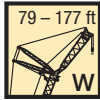


B B2 BW

0 lbs

ft			HS 315																							
			W 79				W 98				W 118				W 138				W 157				W 177			
			87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°
55	—	258																								
	B	298																								
	B2 BW	299 300																								
60	—	239				229				231																
	B	290				261																				
	B2 BW	291 292				262 262																				
65	—	222	199			212				204				198												
	B	281	301			255				229				206												
	B2 BW	284 284	303 303			255 256				230 230				207 208												
70	—	207	187			198				192				186												
	B	273	294			247				225				203												
	B2 BW	276 276	296 297			249 249				225 226				204 204												
75	—	194	175			185	167			180				174				166								
	B	265	287			240	258			220				199				178								
	B2 BW	268 268	288 289			242 243	260 260			220 221				200 200				178 179								
80	—	181	164			174	156			169	151			163				156				153				
	B	258	280			233	252			214	228			195				175				158				
	B2 BW	260 260	280 281			236 236	253 254			215 215	230 230			195 196				175 175				158 158				
85	—	171	154			163	146			159	142			153	136			146				144				
	B	250	273			227	247			208	224			191	202			171	180			156				
	B2 BW	252 252	272 273			229 229	246 247			209 209	224 224			191 191	203 203			172 172	180 181			155 155				
90	—	161	145			154	138			150	133			145	128			138	119			136				
	B	243	264			221	241			202	219			185	199			168	177			153				
	B2 BW	244 245	264 265			222 223	240 240			204 204	219 219			186 187	199 199			168 168	178 178			152 152				
95	—	152	137			145	130			141	126			137	121			130	114			128	113			
	B	235	256			214	234			197	214			180	195			164	174			150	158			
	B2 BW	237 238	257 257			216 216	233 234			198 199	213 214			182 182	194 195			164 165	175 175			149 149	157 157			
100	—	129				138	123			134	119			129	114			123	108			121	106			
	B	249				208	227			191	210			176	191			160	172			147	156			
	B2 BW	251 251				209 210	227 227			193 193	208 208			177 178	190 191			160 161	171 171			146 146	155 155			
105	—	122				130	116			127	112			122	108			116	101			115	100			
	B	243				203	222			186	205			171	187			156	169			144	154			
	B2 BW	246 246				204 205	221 221			188 188	203 203			173 173	186 186			156 157	167 168			143 143	152 152			
110	—	116				124	110			120	106			116	102			110	95.9			109	94.7			
	B	237				197	216			181	199			167	183			152	165			141	151			
	B2 BW	240 240				198 199	215 215			182 183	197 198			168 168	181 182			153 153	164 164			140 140	149 149			
115	—					118	104			114	101			110	96.9			104	90.8			103	89.7			
	B					192	210			176	194			163	179			148	162			138	149			
	B2 BW					192 193	210 210			177 178	192 193			164 164	177 177			149 149	160 161			137 137	146 146			
120	—		56.8				99			109	95.8			105	92			99	86			98	85			
	B		286				205			172	189			158	175			144	158			135	146			
	B2 BW		290 290				206 206			173 173	187 188			160 160	172 173			145 146	157 157			134 134	143 143			
125	—		53.4				94.1			104	91			99.9	87.4			94	81.4			93.1	80.6			
	B		283				200			168	185			155	171			141	155			132	143			
	B2 BW		285 286				201 201			168 169	182 183			156 156	168 169			142 142	153 154			131 131	140 140			
130	—		50.2				89.7	43.5		98.9	86.7			95.3	83.1			89.5	77.3			88.7	76.5			
	B		277				196	249		163	180			151	166			138	151			128	140			
	B2 BW		279 280				197 197	250 251		164 165	179 179			152 152	164 165			139 139	150 150			128 128	137 138			
135	—		47.3				41.5				82.7			91.1	79.3			85.4	73.5			84.6	72.8			
	B		271				246				176			147	163			134	148			126	137			
	B2 BW		274 275				247 247				176 176			148 148	161 161			135 135	146 147			125 125	134 135			
140	—		44.5				38.9				78.8	33.5		87.1	75.6	30		81.4	69.9			80.7	69.2			
	B		264				243				172	216		143	159	194		131	145			123	135			
	B2 BW		268 270				243 243				172 172	217 217		144 145	157 158	195 195		132 132	143 143			122 122	132 132			
150	—		39				34				31.1			79.7	68.7	27.7		74.1	63.2			73.5	62.7			
	B		252				233				213			136	152	192		125	139			117	129			
	B2 BW		260 261				234 234				213 213			137 138	151 151	192 192		126 126	137 137			116 116	126 126			
160	—						29.6				26.9				62.6	23.7		67.6	57.2	18		67.1	56.8			
	B						223				206				145	188		119	133	167		112	125			
	B2 BW						225 226				206 206				145 145	187 187		120 120	131 131	167 167		110 111	120 121			
170	—						25.5				23.2				57.3	20.1		61.9	51.9	14.6		61.3	51.5	14.1		
	B						213				199				139	182		113	127	164		107	120	148		
	B2 BW						220 220				198 198				140 140	181 182		113 114	127 126	163 163		106 106	115 115	146 147		

TAB 181391 / 181393 / 181397

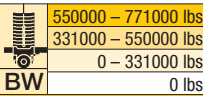


550000 – 771000 lbs
331000 – 550000 lbs
0 – 331000 lbs
0 lbs

ft 		HS 315																								
		W 79				W 98				W 118				W 138				W 157				W 177				
		87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	
180	— B B2 BW										19.8 191 193 194				17 177 175 176				47.3 122 121 121	11.6 159 158 159		56.3 102 100 101	46.8 114 111 111	11.2 146 144 144		
190	— B B2 BW			216 242 227							184 188 188				14.1 171 169 170					8.8 155 153 154		51.7 96.8 95.7 96.4	42.6 110 107 107	8.5 142 140 140		
200	— B B2 BW			206 227 214				193 222 209							165 164 165					151 149 149			38.7 105 103 103	138 136 136		
210	— B B2 BW							186 208 197				173 207 193								146 144 145				135 132 132		
220	— B B2 BW							178 196 186				167 195 183				154 183 176				141 141 142				131 128 129		
230	— B B2 BW											161 184 173				151 179 170				137 138 138				128 126 126		
240	— B B2 BW											155 173 164				147 171 161					134 158 154			125 123 123		
250	— B B2 BW															141 161 152					131 156 147				122 139 139	
260	— B B2 BW															136 153 145					127 148 139				119 139 136	
270	— B B2 BW																				122 140 132				116 136 130	
280	— B B2 BW																					118 133 126				112 131 124
290	— B B2 BW																									109 123 117
300	— B B2 BW																									105 117 111

TAB 181391 / 181393 / 181397

H



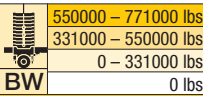
B B2 BW

 550000 – 771000 lbs
 331000 – 550000 lbs
 0 – 331000 lbs
 0 lbs

H

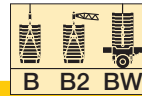
ft 		HS 315																													
		W 197				W 217				W 236				W 256				W 276				W 295				W 315					
		87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°		
80	- B B2 BW	140 141 141 141																													
85	- B B2 BW	137 139 139 139				124 124 124																									
90	- B B2 BW	129 136 137 137				121 122 122 123																									
95	- B B2 BW	122 134 134 135				116 120 120 121				105 106 106 106				92.6 93 93.7																	
100	- B B2 BW	115 132 132 132	99.9			110 118 118 118				103 104 104 104				92.1 92.5 92.6 92.6				79.3 79.3 79.3 79.3													
105	- B B2 BW	109 129 130 130	94.1			104 116 116 116	89.6			98.7 102 102 103				90.8 90.9 91.2 91.4				78.5 78.5 78.5 78.3				67.5 67.5 67.5 67.5									
110	- B B2 BW	103 127 127 127	88.8			98.5 114 114 114	84.4			93.2 100 101 101	77.5			88.2 89.6 89.9 90.1	92.6			77.1 77.1 77.2 77.2				66.6 66.6 66.6 66.6					56.8 56.8 56.8 56.8				
115	- B B2 BW	97.5 124 125 125	83.9			93.2 111 112 112	79.7			88 98.7 99 99.1	74.4			84 88.3 88.6 88.8	67.6 92.1			75.7 75.8 76 76.1				65.8 65.8 65.8 65.7					56.3 56.3 56.3 56.3				
120	- B B2 BW	92.4 122 122 122	79.3			88.2 109 110 110	75.2			83.2 97.2 97.3 97.4	70			79.3 87 87.3 87.4	66.1 91.6 90.7 90.9			73.7 74.5 74.8 74.8	60.9 78 77.3 77.4			64.6 64.7 64.8 64.8					55.6 55.6 55.6 55.6				
125	- B B2 BW	87.7 119 119 119	75.1			83.6 107 107 108	70.9			78.7 95.6 95.6 95.8	65.9			74.9 85.8 86 86	62.1 90.7 89.6 89.8			69.9 73.3 73.6 73.5	57 77.4 76.4 76.5			63.8 63.8 63.7 63.9	53 66.3 65.6 65.7					54.8 54.9 54.9 54.9			
130	- B B2 BW	83.3 117 117 117	71.1			79.3 105 105 106	67.1			74.5 94 94 94.2	62.1			70.8 84.4 84.5 84.5	58.4 89.8 88.5 88.7			65.9 72.2 72.3 72.2	53.4 76.6 75.4 75.5			61.5 62.8 62.8 63	49.4 65.7 64.9 64.9					54.1 54.1 54.1 54.2	43.8 55.8 55.3 55.3		
135	- B B2 BW	79.4 114 114 114	67.5			75.4 103 103 104	63.5			70.7 92.4 92.4 92.6	58.7			67.1 82.8 82.8 82.8	55 88.6 87.3 87.5			62.2 71.1 71 71	50.1 75.6 74.4 74.5			58.4 62 61.9 62	46.2 65.1 64.2 64.3					53.3 53.3 53.4 53.4	41.5 55.4 54.8 54.8		
140	- B B2 BW	75.5 111 111 112	64			71.7 101 101 101	60.1			67 90.8 90.8 91	55.3 97.4 96.3 96.3			63.5 81.2 81.1 81.1	51.7 87.6 86.1 86.3			58.7 70 69.8 69.8	46.9 74.7 73.3 73.4			54.9 61.1 61 61	43.1 64.5 63.6 63.6					49.6 52.4 52.5 52.5	38.5 54.9 54.2 54.2		
150	- B B2 BW	68.5 106 107 107	57.6			64.8 97 97.2 97.3	53.8			60.2 87.7 87.6 87.8	49.2			56.8 78.1 77.8 77.8	45.7 84.8 83.4 83.4			52.2 67.7 67.3 67.4	41 72.9 71.2 71.3			48.5 59.4 59.1 59.1	37.3 63.3 62 62					44.1 51 50.9 50.9	32.8 53.8 52.9 53		
160	- B B2 BW	62.2 102 102 102	51.8			58.6 93 93.3 93.2	48.2			54.1 84.4 84.3 84.4	43.7 91.6 90 90.1			50.8 75.1 74.6 74.7	40.3 81.8 80.2 80.3			46.3 65.4 64.8 65	35.7 70.8 69 69.2			42.7 57.6 57.2 57.2	32.1 61.9 60.4 60.3					38.4 49.5 49.2 49.3	27.7 52.8 51.6 51.7		
170	- B B2 BW	56.5 97.4 97.7 97.8	46.7	130		53 89.6 89.6 89.6	43.1			48.7 80.7 80.9 80.9	38.7			45.5 72.2 71.7 71.7	35.5			41 63.2 62.5 62.8	31 68.3 66.8 66.9			37.5 55.9 55.3 55.4	27.4 60.4 58.7 58.7					33.3 48 47.6 47.6	23.1 51.7 50.3 50.3		
180	- B B2 BW	51.5 93.2 93.8 94.1	42.1	129		48.1 85.8 85.7 85.9	38.7			43.9 77.1 77 77	34.3			40.8 69 68.8 68.8	31.2			36.4 61 60.3 60.5	26.8 66.2 64.5 64.7			32.9 54.1 53.4 53.5	23.3 58.4 57 56.9					28.8 46.5 45.8 45.8	19.1 50.4 48.9 48.9		
190	- B B2 BW	47 89.2 89.6 90.3	37.9	127		43.6 81.8 82 82.3	34.6	112		39.5 73.3 73.1 73.2	30.4	97.1		36.4 66.4 66.1 66	27.3			32.1 58.6 58.1 58.3	22.9 64.2 62.4 62.5			28.7 52.3 51.5 51.7	19.5 56.7 55.2 55.1					24.7 45 43.7 43.7	15.4 48.9 47.4 47.4		
200	- B B2 BW	42.8 84.6 85 86.1	34.1	124		39.5 77.8 78.4 78.8	30.8	111		35.4 70.1 69.7 69.9	26.7	96.3		32.4 63.7 63.3 63.3	23.7	84.8		28.2 56.4 56 56.1	19.3 62.2 60.4 60.3			24.9 50.3 49.7 49.8	16 55 53.4 53.4					20.9 43.2 41.4 41.4	11.9 47.3 45.9 45.7		
210	- B B2 BW	30.6 92.7 91.7 91.5	121	120		35.7 74.2 74.6 75.1	27.4	108		31.7 67.1 67.2 67.6	23.3	95.3		28.8 61 60.7 60.7	20.4	83.8		24.5 54.3 53.8 54	16.1 60.3 58.4 58.3	69.1		21.3 48.2 47.9 48	12.8 53.4 51.7 51.6	57.5				17.4 41.6 39.2 39.1	14.2 45.9 44.3 43.6		
220	- B B2 BW	27.5 88.9 88.5 88.4	118	116		32.4 70.2 70.6 71	24.3	106		28.4 64.3 64.6 65.1	20.3	94		25.5 58.6 58.8 58.9	17.4	83.1		21.3 52 51.7 51.8	13.2 58.4 56.3 56.3	69.2		18.1 46.5 49.9 49.9	9.9 51.8 49.9 58.4	58.6				14.2 39.7 37.6 37.5	11.9 44.5 42.8 41.3	47.1	

TAB 181391 / 181393 / 181397



ft		HS 315																												
		W 197				W 217				W 236				W 256				W 276				W 295				W 315				
		87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	
230	— B B2 BW			115 113 113		29.3 66.5 66.9 67.3	21.5 78 76.6 76.6	103 102 102		25.3 61.6 62.1	17.5 70.2 68.5 68.5	92.4 91.1 91.4		22.5 56.5 56.9 57	14.6 63.6 61.6 61.4	81.4 80.3		18.3 50.1 49.9 50.1	10.4 56.4 54.3 54.3	68.7 67.9		15.2 44.4 44.3 44.2	50.2 48.2 48.2	58.8 58.3		11.3 37.7 36	42.9 41.1 39.4	47.7 48.3 48.4		
240	— B B2 BW			112 110 111			74.3 73.9 73.8	101 99.2 99.7		22.5 58.2 58.5 58.9	14.9 67.3 66.2 66.2	90.6 89.1 89.3		19.7 54.3 54.7 54.9	12.1 61.6 59.8 59.7	79.8 78.3 78.6		15.6 48.2 48.4 48.5	54.6 52.5 52.5	67.9 66.9		12.4 42.5 42.3 42.3	48.5 46.5 46.4	58.5 57.8		35.6 34.5 34.5	41.1 39.3 37.8	48 48.2 48.2		
250	— B B2 BW			110 108 109	107 117 117			98.4 96.6 97			64.5 63.7 63.8	88.5 86.9 87.2		51.5 51.9 52.2	59.5 58 58	78.2 76.6 76.7		46.3 46.8 46.9	52.8 51 51	67.1 65.9		40.4 40.1 40.4	46.8 44.8	57.9 57.2		33.6 33.1 33.1	39.2 37.3 36.5	47.7 47.8 48		
260	— B B2 BW			107 106 106	106 120 120			96.7 95.3 95.5	93.9 92 99.6		10.3 61.7 61.5 61.4	86.6 84.8 85		48.7 49 49.4	57 56.2 56.1	76.1 74.8 74.9		43.5 43.9 44.2	51 49.5 49.5	65.9 64.6		7.5 38.3 38.2 38.5	44.6 42.8	57.2 56.4 56.5		32.3 32 32	37.3 35.3 35.1	47 47.3 47.5		
270	— B B2 BW			104 103 103	104 121 121			94.6 93.5 93.6	93.5 102 103			85 83.2 83.2		45.7 45.9 46.4	54.8 54.3 54.3	74.3 72.8 72.9		8.4 40.2 40.7 41	48.8 48 47.9	64.5 63.3 63.3		36 36.2 36.5	43.3 40.8 40.9	56.4 55.5		31 30.9 30.9	35.6 33.9 33.9	46.5 46.8 46.9		
280	— B B2 BW				102 121 119			92.3 91.3 91.4	92.5 104 104			83.4 81.7 81.7	79.8 86.9 87		52.3 52.4 52.4	72.8 71 71.1		37 37.4 37.8	47 46.4 46.3	63.1 61.8 62		33.7 33.9 34.2	41.8 39 39	55.4 54.4 54.5		29.5 29.6 29.8	34.1 32.8 32.8	46 46.1 46.2		
290	— B B2 BW				99.2 119 114				91.1 105 105			81.5 79.8 79.9	79.1 88.8 88.9		71.5 69.5 69.5	68.6 72.2 72.3			44.8 44.7 44.5	61.8 60.4 60.5		31.3 31.5 31.7	39.9 37.2 37.2	54.3 53.2 53.3		27.9 28.1 28.4	32.9 31.7 31.8	45.4 45.3 45.3		
300	— B B2 BW				96.6 115 108				89.4 105 104			78.6 76.7 76.9	78.1 89.8 90.1		70.4 68.1 68.3	68.3 74.3 74.3		41.3 43.1 42.9	60.7 59 59.2	49.8 58.1 53.8		28.8 29.1 29.3	37.5 35.9 35.9	53.3 52.1 52.1		25.4 25.8 26	31.8 30.6 30.7	44.7 44.4 44.4		
310	— B B2 BW				93.6 110 103				87.2 104 99.3			76.9 75.2 75.3	76.7 90.3 90.6		68.7 66.6 66.8	67.8 75.7 75.7			59.7 57.9 58	57.7 60.8 60.9		26.3 26.5 26.8	35 34.4 34.5	52.3 51 51		23.1 23.4 23.7	30.2 29.3 29.5	44 43.4 43.5		
320	— B B2 BW				91.1 105 98.2				84.9 102 94.8			75 90.2 89.4		66.7 65.2 65.3	66.8 76.5 76.6				58.7 56.8 56.9	57.5 62.3 62.3			32.3 32.5 32.8	51.4 50 49.9	48.7 50.5 50.5		20.8 21 21.4	28.4 28 28.3	43.2 42.3 42.5	34.1 35.5 35.6
330	— B B2 BW							82.4 97.7 90.8				72.9 89.6 86.3			65.5 76.9 76.8				57.6 55.8 55.9	57 63.4 63.4				50.5 48.9 48.8	49.2 51.8 51.8		26.6 26.5 27	42.2 41 41.2	35 36.6 36.7	
340	— B B2 BW							78.5 93.2 87.2				70.8 87.2 81.8			64.2 77.1 75.6				56.6 54.9 55.1	56.2 63.9 64.1				49.7 47.8 47.9	49 52.9 52.9		24.2 24.9 25.1	40.7 39.2 39.4	35.7 37.4 37.4	
350	— B B2 BW											68.8 83.5 77.4			62.7 76.1 73.2				55.8 54.4 54.5	55.1 64.1 64.1				48.9 47.2 47.3	48.5 53.7 53.7			39.3 37.5 37.6	36.4 38 38.2	
360	— B B2 BW											67.1 79.5 73.5			61.2 74.3 70				54 64.1 63.6				48 46.4 46.5	47.8 54.3 54.3			38.4 36.6 36.7	36.7 39.2 38.8		
370	— B B2 BW														59.6 71.7 66.6				52.9 64 62.2					47 54.6 54.7				37.8 36.3 36.4	36.7 40.8 39.4	
380	— B B2 BW														58.3 68.6 63.6				51.7 63.9 59.6					46 54.7 54.8				37.1 35.8 36	36.4 42 40.2	
390	— B B2 BW																		50.5 61.6 57					45 54.8 53.1				37.1 35.7 35.9	35.8 42.4 41.7	
400	— B B2 BW																		49.6 59.2 54.6					44 54.3 51.2					35.1 42.8 41.8	
410	— B B2 BW																							42.7 53.1 49.2					34.4 43.1 40.9	
420	— B B2 BW																												33.6 43.1 39.4	
430	— B B2 BW																												32.9 41.2 37.5	
440	— B B2 BW																												32.4 39.5 36	

TAB 181391 / 181393 / 181397

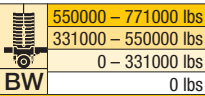


550000 – 771000 lbs
331000 – 550000 lbs
0 – 331000 lbs
0 lbs

B B2 BW

ft		HS 335																								
		W 79				W 98				W 118				W 138				W 157				W 177				
		87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	
55	— B B2 BW	247 262 263 263																								
	— B B2 BW	228 256 257 257				221 230 231 231																				
65	— B B2 BW	212 249 249 250	261 264 264			205 225 226 226				195 202 202 203				181 182 182 183												
	— B B2 BW	198 241 242 242	171 256 258 258			192 219 220 220				184 198 198 199				175 178 179 179												
75	— B B2 BW	185 234 235 235	165 250 251 251			179 213 213 214	159 227 227 228			172 193 193 194				166 175 175 175				156 157 156 157								
	— B B2 BW	174 227 228 228	155 244 244 244			168 207 207 208	149 222 222 222			161 187 188 188	142 199 200 200			156 171 171 171				151 154 153 154				138 139 140 140				
85	— B B2 BW	163 220 221 221	145 237 237 237			158 201 201 202	140 216 216 216			152 182 183 183	133 196 196 196			147 166 167 167	128 176 177 177			142 151 150 150				136 137 137 138				
	— B B2 BW	154 214 216 216	137 231 230 231			149 195 195 196	132 211 210 210			143 178 178 178	126 191 191 191			138 162 163 163	121 174 174 174			134 148 147 147				129 134 135 135				
95	— B B2 BW	146 209 211 211	129 226 223 224			141 189 190 190	124 206 204 205			135 173 173 173	118 186 186 186			131 158 159 159	114 171 170 169			126 144 143 143	110 154 152 152			122 131 132 132				
	— B B2 BW	122 220 217 218	220 217 218			134 184 185 185	118 201 198 199			128 168 168 168	112 182 180 181			123 154 155 155	107 167 166 165			119 141 140 140	103 151 149 149			116 129 129 129	99.4 136 136 136			
105	— B B2 BW	115 215 213 214	115 215 213 214			127 179 181 181	111 196 192 193			121 163 164 164	106 178 176 176			117 150 151 151	101 163 162 162			113 137 136 136	97.5 148 146 146			109 126 126 126	93.7 134 134 134			
	— B B2 BW	109 210 208 209	109 210 208 209			120 175 177 176	106 191 187 187			115 159 159 159	100 174 171 171			111 146 146 147	95.9 159 157 157			107 134 133 133	92.2 146 142 143			104 123 123 123	88.6 132 131 131			
115	— B B2 BW					115 171 172 172	100 186 183 183			109 155 155 156	94.8 170 167 167			105 143 143 143	90.9 155 153 153			102 131 129 130	87.3 142 139 139			98.3 120 120 120	83.8 130 128 128			
	— B B2 BW						95.1			104 151 152 152	90			100 139 139 139	86.2			96.7 128 126 126	82.7			93.4 117 117 117	79.4			
125	— B B2 BW		44 240 237 237				90.4			99 148 149 149	85.4			95.4 136 135 135	81.8			91.9 125 123 123	78.4			88.7 114 114 114	75.2 125 123 123			
	— B B2 BW		41.2 236 232 233				86.1 211 209 209	36.8		94.4 144 146 145	81.3			90.9 133 132 132	77.8			87.6 122 120 120	74.5			84.4 112 111 111	71.3 122 120 120			
135	— B B2 BW		38.6 232 227 228				35 209 206 206				77.5			86.9 130 130 130	74.1			83.6 119 117 117	70.8			80.5 109 109 109	67.8 119 117 117			
	— B B2 BW		36 227 222 223				32.6 205 202 202				73.8 152 148 148	25.4		83 127 127 127	70.6			79.7 116 114 114	67.3			76.8 107 106 106	64.4 116 114 114			
150	— B B2 BW		31.3 218 213 213				28.2 198 194 194				23.2			75.9 121 122 122	64.1			72.7 111 109 109	60.9			69.8 102 101 101	58.1 111 108 109			
	— B B2 BW						24.2 191 186 186				19.5				58.2 128 125 125	16.2			66.3 106 105 104	55.2 116 111 111	13 141 138 138		63.6 97.7 96.6 96.7	52.5 107 103 103		
170	— B B2 BW						20.5 186 181 181				16.1				53 124 119 119	13 152 148 149			60.6 101 99.7 99.8	50 112 107 107	9.9 137 134 134		58 93.7 93.3 93.3	47.5 102 98.5 98.7	124 122 123	

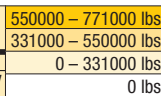
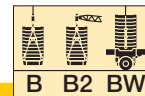
TAB 181391 / 181393 / 181397



ft		HS 335																							
		W 79				W 98				W 118				W 138				W 157				W 177			
		87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°				
180	— B B2 BW										13.1 161 157 157				10.2 148 143 143			45.5 108 102 102	134 129 129		53.2 43 89.5 89.8 89.7	98.8 95.3 95.6 121 119			
190	— B B2 BW										157 151 152				142 137 137				130 124 125		48.7 39 85.9 86.3 86.3	95.6 98.8 91.8 92.2 115	118 115 115		
200	— B B2 BW				187 213 206										137 132 132				125 120 120		35.2 92.5 88.2 88.5	114 111 111			
210	— B B2 BW								168 193 190										121 115 115			111 107 107			
220	— B B2 BW								162 185 179			148 167 167				76.2 147			118 112 113			107 102 103			
230	— B B2 BW								156 176 170			145 165 163				134 146 147			114 108 109			104 99.5 100			
240	— B B2 BW										140 160 156				130 145 146					118 127 127		102 97.2 97.5			
250	— B B2 BW														127 143 143					116 126 126		105 111 111			
260	— B B2 BW														122 139 137					113 124 124		103 111 111			
270	— B B2 BW														118 133 130					110 121 122		101 110 110			
280	— B B2 BW																			106 118 118		98.5 108 108			
290	— B B2 BW																					95.8 106 106			
300	— B B2 BW																					92.9 104 104			
310	— B B2 BW																					90.6 103 101			

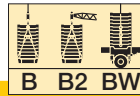
TAB 181391 / 181393 / 181397

H



ft		HS 335															
		W 197				W 217				W 236				W 256			
		87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°
80	- B B2 BW	122															
85	- B B2 BW	122 122 123				108 108 108											
90	- B B2 BW	119 120 120 120				107 107 107 107											
95	- B B2 BW	115 117 118 118				104 105 105 105				92.7 92.7 92.7 92.7							
100	- B B2 BW	109 115 115 115	93.2 121 122 122			102 103 103 103				90.8 91.3 91.4 91.4				80.3 80.2			
105	- B B2 BW	103 112 113 113	87.7 119 119 119			98.9 101 101 101	83.2 106 106 106			89.5 89.6 89.9 90.1				78.8 78.7			
110	- B B2 BW	97.8 110 110 110	82.7 117 117 117			93.5 98.7 99.1 99.1	78.4 104 104 104			87.2 88 88.3 88.6	71.6 91.6 91.8 91.9			77.4 77.5			
115	- B B2 BW	92.7 107 108 108	78.1 115 115 115			88.4 96.8 97 97.2	73.8 103 103 103			83.3 86.5 86.8 87	68.6 90.7 90.9 91			76 76.2			
120	- B B2 BW	87.8 105 105 105	73.7 114 112 113			83.7 94.9 95.1 95.2	69.6 101 101 101			78.7 84.9 85.1 85.3	64.5 89.3 89.6 89.7			74.6 74.8	78.1 78.2		
125	- B B2 BW	83.3 103 103 103	69.6 112 110 110			79.2 93.1 93.1 93.3	65.6 99.7 98.8 99			74.3 83.1 83.3 83.5	60.6 88.3 88.2 88.2			73.1 73.2	76.9 77.1		
130	- B B2 BW	79.1 100 100 101	65.9 110 108 108			75.1 91.2 91.1 91.3	61.9 98.2 96.9 97.2			70.3 81 81.2 81.4	57 87.1 86.7 86.8			71.7 71.7	75.6 75.9		
135	- B B2 BW	75.3 98.4 98.1 98.4	62.5 107 105 105			71.4 89.3 89.3 89.2	58.5 96.7 95.2 95.4			66.6 79.1 79.1 79.3	53.7 85.8 85.1 85.2			70.2 70.2	74.3 74.5		
140	- B B2 BW	71.6 96.3 95.9 96.1	59.1 105 103 103			67.8 87.6 87.4 87	55.3 95 93.4 93.5			63.1 77.1 77 77.3	50.5 84.5 83.5 83.7			68.7 68.7	72.9 73.1		
150	- B B2 BW	64.8 92.4 91.6 91.8	53 101 98.4 98.4			61.1 84.2 83.8 82.7	49.3 91.5 89.6 89.7			56.6 73.8 73.3 73.6	44.7 81.3 79.7 79.9			65.7 65.7	70.2 70.3		
160	- B B2 BW	58.7 88.8 87.7 87.7	47.5 96.5 93.9 94.1			55.1 80.6 79.9 78.4	43.9 87.8 85.5 85.9			50.7 70.7 70 70.2	39.4 77.8 75.7 75.9			62.9 62.9	67.5 67.5		
170	- B B2 BW	53.3 85 83.8 83.7	42.6 92.8 89.9 89.9	108 107 107		49.8 76.7 75.5 74.8	39.1 84.4 80.7 82.3			45.4 67.6 66.7 66.8	34.7 74.2 72.1 72.2			60.3 60.4	64.8 64.7		
180	- B B2 BW	48.5 81 80.3 80.2	38.3 89.3 86.1 86	106 105 105		45 72.9 71.4 71.4	34.8 80.8 76.9 78			40.8 65 63.7 63.9	30.5 71.1 68.7 68.8			57.8 57.8	62.2 62.1		
190	- B B2 BW	44.1 77.1 76.8 76.7	34.3 86.2 82.4 82.5	104 102 102		40.7 69.7 68.4 68.6	30.9 77.1 73.4 73.8	92.8 91.2 91.4		36.5 62.4 60.8 61	26.7 68.3 65.6 65.6			55.3 55.4	59.5 59.6		
200	- B B2 BW	40.1 73.2 73.4 73.3	30.6 83.3 78.8 79.2	102 99.3 99.1		36.7 66.8 66 66.1	27.4 73.8 70.3 70.1	90.8 89.2 89.4		32.6 59.9 58.4 58.5	23.2 65.7 62.7 62.8	79.4 77 77.1		53 53	56.8 57.1	66.9 66.9	
210	- B B2 BW		27.3 80.1 75.3 75.8	98.9 95.8 96.1		33.1 63.9 63.5 63.6	24.1 71.3 67.8 67.7	88.9 86.9 87.1		29 57.6 56.5 56.6	20 63 59.8 59.9	77.6 75.3 75.5		50.7 50.6	54.5 54.6	65.7 65.8	
220	- B B2 BW		24.3 76.7 71.9 72.2	96.1 92.7 92.8		29.8 60.9 60.9 61	21.1 68.8 65.3 65.3	86.8 83.8 84.3		25.8 55.3 54.7 54.7	17.1 61 58.1 58.2	75.3 73 73.2		49.1 49	52.3 52.2	64.3 64.4	

TAB 181391 / 181393 / 181397

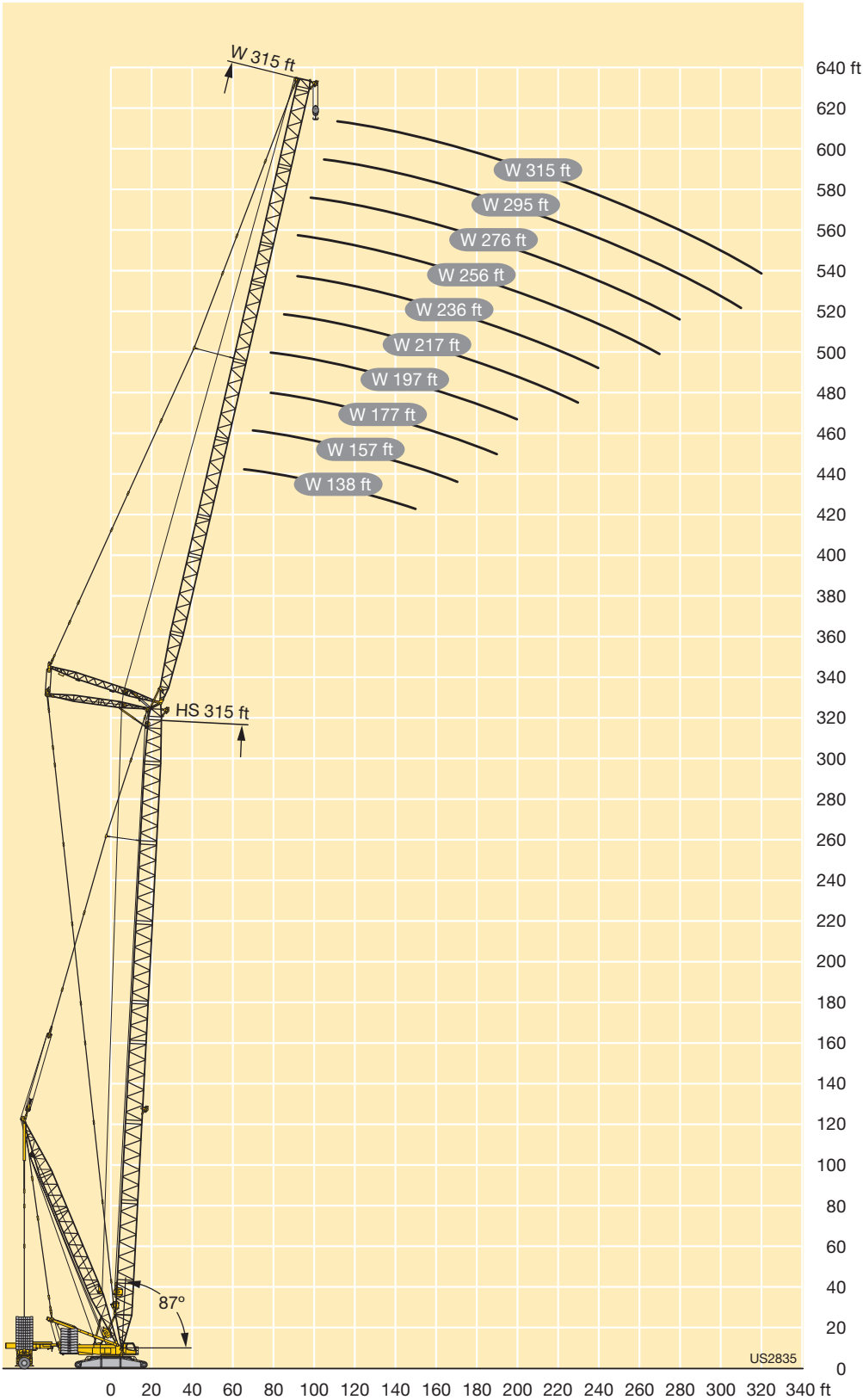


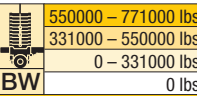
550000 – 771000 lbs
331000 – 550000 lbs
0 – 331000 lbs
0 lbs

ft		HS 335															
		W 197				W 217				W 236				W 256			
		87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°	87°	85°	77°	67°
230	B B2 BW			93.4 89.4 89.7		26.9 58.3 58.5 58.6	18.4 66.4 62.7 62.7	84.6 80.3 80.9		22.9 52.5 52.7 52.6	14.4 59.1 56.4 56.4	73.3 70.6 70.9		47.4 47.3	50.5 50.4	62.7 62.8	
240	B B2 BW			91 86.7 87.2			64.3 60.2 60.2	81.9 77 77.4		20.1 50.2 50.5 50.6	11.9 57.2 54.5 54.4	71.2 68.2 68.6		45.4 45.2	48.9 48.9	61 61.1	
250	B B2 BW			88.8 85 85.4				78.7 74.4 74.5			9.6 55.4 52.2 52.2	69.1 65.8 66.1		42.7 42.7	47.3 47.4	59.2 59.3	
260	B B2 BW			86.9 82.5 82.7	91.4 88.4 95.1			76.2 72.6 72.6			7.6 53.7 50 50.1	67 63.6 63.8		39.9 39.9	44.6 45.6	57.3 57.6	
270	B B2 BW			84.5 78.8 79	90.6 95.2 95.3			74.5 70.9 70.9				65.2 61.8 61.9		37.8 37.9	41.5 43.7	55.4 55.7	
280	B B2 BW				89.1 94.7 94.8			72.7 68.7 68.7	78.1 82.7 82.7			63.6 60.3 60.5			39.1 41	53.7 54	
290	B B2 BW				87.2 93.6 93.7				76.8 82.4 82.6			62.3 59.1 59.3	66.3 68.2 68.1			52.2 52.5	
300	B B2 BW				85.2 92.1 92.4				75.3 81.3 82.1			60.7 57.2 57.5	65.7 68.3 68.4			51.2 51.3	57.2 52.1
310	B B2 BW				82.2 90.5 90.7				73.5 79.6 80.7			59.2 55.2 55.5	64.7 68 68.1			49.9 50	58.3 58.4
320	B B2 BW				79.2 89.7 89.2				71.6 78 78.7				63.5 67.4 67.5			48.5 48.5	58.3 58.3
330	B B2 BW								69.5 76.6 76.7				62.1 66.5 66.6				58.1 58.1
340	B B2 BW								67.3 76.1 75.4				60.5 65.4 65.6				57.6 57.7
350	B B2 BW								65.6 76 74.1				59 64.2 64.6				56.9 56.9
360	B B2 BW												57.5 63.7 64.2				56 56.1
370	B B2 BW																55.2 55.5
380	B B2 BW																55.2 55.5
390	B B2 BW																55.2 55.1

TAB 181391 / 181393 / 181397

H





		HS 138				HS 157				HS 177				HS 197			
		D 98				D 118				D 118				D 118			
		W 39		W 59		W 39		W 59		W 39		W 59		W 39		W 59	
		12°	20°	12°	20°	12°	20°	12°	20°	12°	20°	12°	20°	12°	20°	12°	20°
45	–	425				421				404							
	B	1049				1001				936							
	B2	1120				1045				977							
	BW	1091				1028				962							
50	–	382				379				364							
	B	995				968				912							
	B2	1067				1016				955							
	BW	1048				995				938							
55	–	336	343	335		334	342	332		320	328	320		308			
	B	927	931	824		928	919	812		881	866	793		816			
	B2	1000	1004	839		978	967	821		926	909	803		853			
	BW	994	992	837		953	946	818		906	894	806		846			
60	–	297	303	297	307	295	302	295	305	283	290	284		272	280	274	
	B	859	859	809	839	886	882	809	820	846	838	786		794	784	714	
	B2	931	931	847	886	937	931	825	858	895	885	808		831	823	745	
	BW	938	941	848	880	910	907	817	845	872	864	810		823	811	738	
65	–	264	270	266	275	263	269	264	273	252	259	253	260	242	249	244	
	B	793	796	784	790	840	844	797	796	811	809	765	748	769	762	700	
	B2	860	864	846	852	892	894	831	841	861	858	798	786	813	805	734	
	BW	880	882	850	857	861	866	817	820	836	833	792	772	798	789	721	
70	–	237	242	239	247	236	242	237	246	226	232	228	237	217	223	220	
	B	736	736	736	736	793	796	770	770	771	773	740	729	739	738	681	
	B2	800	799	797	798	844	846	814	817	820	822	783	771	785	784	719	
	BW	824	821	807	817	809	814	793	788	791	793	769	752	766	766	704	
75	–	213	218	216	223	212	217	214	222	203	208	205	214	194	200	197	
	B	686	685	685	687	748	748	735	738	729	732	710	707	706	707	660	
	B2	745	744	742	746	798	798	782	786	778	781	756	753	753	755	702	
	BW	770	766	758	767	760	762	755	753	744	749	736	728	728	733	684	
80	–	192	196	195	202	191	196	194	201	182	187	185	193	174	180	178	
	B	640	641	638	643	704	703	694	700	689	691	676	681	671	673	638	
	B2	696	698	692	699	752	752	741	748	736	739	721	730	718	718	681	
	BW	718	716	711	712	714	713	709	713	700	703	696	700	688	692	660	
85	–	173	177	177	183	172	177	175	182	164	168	167	174	157	161	160	
	B	594	598	601	601	661	662	655	658	652	651	641	646	637	638	614	
	B2	646	652	653	654	707	708	701	704	696	697	685	692	683	682	656	
	BW	666	667	670	662	671	672	666	669	661	661	656	662	648	651	633	
90	–	157	161	161	167	156	160	159	166	148	152	152	158	141	146	145	
	B	557	559	565	567	618	621	621	621	615	616	609	611	604	605	590	
	B2	607	611	614	617	662	665	665	664	657	659	651	654	649	648	631	
	BW	622	622	629	625	627	631	631	631	623	625	620	623	615	616	605	
95	–	143	146	147	152	142	145	145	151	134	138	138	144	127	131	131	
	B	523	525	529	534	581	583	587	587	578	580	578	579	572	574	565	
	B2	570	574	575	581	622	624	629	629	618	621	619	620	615	614	604	
	BW	581	582	588	588	589	592	596	597	586	588	587	589	582	583	577	
100	–	130	132	134	139	128	132	132	137	121	124	125	130	115	118	119	
	B	491	493	496	502	548	550	553	556	543	546	548	549	540	543	540	
	B2	535	541	540	546	588	589	593	596	581	584	587	588	581	582	577	
	BW	541	543	550	553	556	558	561	565	550	553	557	558	550	551	550	
105	–	117	119	122	126	116	119	120	125	109	112	113	118	103	106	107	
	B	458	461	469	473	520	521	519	525	512	513	518	521	508	512	513	
	B2	500	507	511	515	558	559	557	562	549	550	555	559	546	549	549	
	BW	501	504	518	520	527	529	526	533	519	520	526	530	517	519	522	
110	–	105	107	111	115	106	108	109	114	98.5	101	103	107	92.5	95.6	96.8	
	B	432	435	443	448	491	493	494	497	488	489	488	494	480	482	487	
	B2	471	477	482	488	527	529	531	532	523	524	524	529	517	518	521	
	BW	471	474	487	490	498	500	502	504	494	495	496	501	488	489	495	
115	–	95.2	96.9	101	104	95.8	98.2	99.6	104	88.8	91.4	92.9	97.5	82.9	85.8	87.3	
	B	408	410	417	424	465	466	471	473	463	464	464	467	456	458	461	
	B2	443	448	453	460	499	500	506	507	496	498	498	501	492	493	493	
	BW	443	445	456	461	471	473	478	479	469	470	471	474	464	465	468	
120	–	86.3	87.7	91.9	94.8	86.7	88.8	90.6	94.4	79.8	82.3	84	88.2	74.1	76.8	78.5	
	B	384	386	393	401	441	442	448	450	438	440	442	444	435	437	437	
	B2	415	419	426	434	475	475	481	483	470	472	475	477	469	470	467	
	BW	416	418	427	433	447	449	454	457	444	446	449	450	443	443	443	
125	–	78.1	79.3	83.7	86.3	78.2	80.1	82.2	85.8	71.5	73.7	75.7	79.7	65.9	68.3	70.3	
	B	360	362	373	379	422	423	425	428	414	416	422	424	414	415	416	
	B2	388	391	403	410	454	454	456	460	444	447	454	456	446	447	446	
	BW	388	390	403	407	427	429	431	434	419	421	429	430	421	422	422	
130	–	69	70.2	74.8	77.4	69.9	71.5	74.6	77.9	64	66	68.2	71.9	58.4	60.7	62.9	
	B	339	341	354	360	402	403	404	406	396	397	402	405	392	394	398	
	B2	364	366	381	388	433	434	434	437	426	428	432	435	423	425	427	
	BW	364	366	381	386	407	409	410	411	401	403	408	410	399	400	404	
135	–	62.2	63.2	67.9	70.2	63.2	64.5	67.8	70.9	57.2	59.1	61.5	64.9	51.7	53.8	56.2	
	B	320	322	335	341	383	385	386	388	379	380	384	386	375	376	380	
	B2	341	344	360	366	413	414	416	418	408	410	413	415	404	406	409	
	BW	341	343	359	365	389	390	392	394	384	386	390	392	381	382	386	

Further lengths on request - Autres longueurs sur demande

TAB 181470 / 181472 / 181476

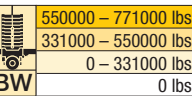
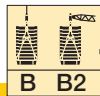


550000 - 771000 lbs
331000 - 550000 lbs
0 - 331000 lbs
0 lbs

ft		HS 138				HS 157				HS 177				HS 197			
		D 98				D 118				D 118				D 118			
		W 39		W 59		W 39		W 59		W 39		W 59		W 39		W 59	
		12°	20°	12°	20°	12°	20°	12°	20°	12°	20°	12°	20°	12°	20°	12°	20°
	- B B2 BW	56.2	57	61.7	63.6	57	58.1	61.3	64.1	50.7	52.4	55	58.2	45.3	47.2	49.7	53.2
		302	304	316	322	365	367	370	372	362	363	366	368	358	359	362	365
		320	322	338	345	393	395	399	401	390	391	395	397	387	388	390	393
		320	321	337	343	371	372	376	378	367	368	372	374	364	365	368	371
140	- B B2 BW	44.7	45.2	50.3	51.9	45.2	46	49.4	51.8	39	40.3	43.2	45.9	33.6	35.2	38	41.1
		265	267	282	288	331	334	339	340	331	331	335	337	327	328	331	334
		278	279	299	305	357	360	366	368	357	358	362	363	354	355	357	359
		278	279	298	305	339	340	344	346	335	337	340	342	333	334	336	339
150	- B B2 BW	34.2	34.3	40.1	41.6	34.3	34.8	39	40.9		29.6	32.8	35.1			27.6	30.3
		227	228	252	257	299	303	308	311	302	303	307	309	300	300	304	306
		237	238	264	269	322	326	333	336	326	328	333	335	324	325	329	330
		237	238	263	269	310	311	315	317	307	308	313	314	305	305	309	311
160	- B B2 BW	25.1	24.8	30.8	31.9	25	25.3	29.8	31.4		20.3	23.6	25.5			18.5	20.8
		194	195	221	226	266	268	281	285	278	278	281	283	274	275	279	281
		198	198	229	234	287	290	304	308	301	302	305	307	298	299	303	304
		198	198	229	235	281	280	292	293	282	283	286	288	279	280	284	286
170	- B B2 BW			22.9	23.4			21.8	23								
				187	193	229	230	254	257	253	252	260	262	253	254	257	258
				198	203	251	252	274	279	274	274	282	285	276	276	279	280
				199	201	247	248	269	269	258	259	266	267	258	258	261	263
180	- B B2 BW																
				162	163	198		225	227	224	224	240	241	233	232	238	239
				165	168	212		244	248	245	244	260	263	254	254	258	260
				166	167	211		242	243	235	237	246	246	238	238	242	243
190	- B B2 BW																
200	- B B2 BW							194	195	193	194	218	219	211	210	220	221
								214	216	214	214	237	239	232	231	240	241
								213	215	210	213	225	226	218	219	224	225
210	- B B2 BW																
220	- B B2 BW																
230	- B B2 BW																
240	- B B2 BW																

Further lengths on request - Autres longueurs sur demande

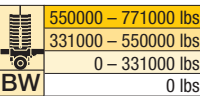
TAB 181470 / 181472 / 181476



ft		S 217				S 236				S 256				S 276				S 295	
		D 118				D 118				D 118				D 118				D 118	
		W 39		W 59		W 39		W 59		W 39		W 59		W 39		W 59		W 59	
		12°	20°	12°	20°	12°	20°	12°	20°	12°	20°	12°	20°	12°	20°	12°	20°	12°	20°
55	- B B2 BW	298 733 764 761				288 652 673 674													
60	- B B2 BW	263 723 757 750	271 706 735 729	264 636 661 661		254 646 672 673	262 623 646 650	255 567 580 581		246 562 573 574				236 502 515 515					
65	- B B2 BW	234 703 740 730	241 694 727 716	236 634 661 662	243 601 617 623	226 640 668 666	234 625 650 651	228 562 580 581		219 558 567 569	222 545 557 557	217 482 489 489		210 500 515 516	214 488 497 501	209 436 429 443		199 392 399 399	
70	- B B2 BW	210 682 724 710	216 677 713 701	211 626 655 652	221 603 626 627	203 631 662 656	209 617 647 644	204 553 575 573		195 551 563 563	202 540 553 551	198 478 487 486		188 492 508 514	194 487 501 501	190 435 446 446		181 391 398 399	
75	- B B2 BW	188 660 703 686	194 658 696 682	190 616 648 640	199 598 625 623	181 620 654 643	187 609 643 636	184 550 574 572	193 527 549 551	175 545 557 558	181 535 549 547	177 473 482 482	187 459 467 467	168 488 506 511	174 481 499 499	170 432 445 444	180 417 427 428	162 388 398 398	
80	- B B2 BW	168 637 680 658	174 636 676 658	171 604 638 625	179 588 621 614	162 605 642 627	168 599 635 624	165 551 574 574	173 523 547 551	156 537 549 550	162 530 543 543	159 467 477 478	168 456 463 464	150 486 507 507	155 477 496 497	153 429 441 441	162 416 427 427	144 386 397 398	154 373 383 383
85	- B B2 BW	151 614 656 629	156 612 653 629	154 586 622 605	161 579 616 603	145 586 624 605	151 582 620 603	148 546 570 569	156 527 552 553	140 522 538 534	145 521 536 534	143 462 473 474	151 452 460 460	134 480 503 502	139 473 493 494	137 425 439 440	145 410 423 426	129 385 397 397	137 371 383 383
90	- B B2 BW	136 589 631 601	141 588 629 601	139 567 603 582	146 561 600 582	131 567 606 581	135 563 602 581	134 523 560 552	141 523 549 548	125 517 536 536	130 513 530 528	129 455 467 466	136 448 456 457	119 468 497 488	124 462 486 483	123 421 436 437	131 409 423 424	115 383 396 397	123 370 383 383
95	- B B2 BW	122 563 603 572	126 562 603 572	125 547 585 560	132 542 581 559	117 546 586 560	122 544 584 558	120 519 549 535	127 512 541 535	112 509 531 527	117 504 524 521	115 449 462 461	123 441 452 451	107 461 491 485	111 452 482 480	110 411 432 431	117 406 420 421	102 379 393 395	110 368 383 383
100	- B B2 BW	110 535 573 543	114 535 574 544	113 526 564 536	119 523 561 536	105 524 563 536	109 520 563 535	108 499 529 518	115 499 521 516	100 497 516 511	104 444 455 457	104 435 447 445	110 435 447 445	94.8 454 484 486	99.1 447 478 478	98.3 404 427 425	105 399 417 417	90.8 374 391 393	98.1 366 381 382
105	- B B2 BW	98.2 506 544 514	102 508 545 516	101 503 541 513	107 503 540 512	93.6 500 537 510	97.4 490 527 501	96.9 485 518 499	103 480 506 499	89.1 482 505 498	93 438 449 451	92.5 432 443 443	98.8 446 443 443	83.9 446 478 480	88 441 472 473	87.5 397 422 423	94 390 414 409	80.2 368 393 394	87 363 377 380
110	- B B2 BW	88 478 514 485	91.3 481 516 488	91.3 480 516 489	96.8 481 517 490	83.6 475 511 484	87.1 476 512 485	87 470 506 480	92.7 470 504 481	79.2 460 486 476	82.9 462 442 443	82.7 430 442 443	88.6 427 438 438	74.3 433 464 462	78.1 431 461 461	77.9 392 417 418	84 384 409 408	70.8 362 392 393	77.2 358 381 382
115	- B B2 BW	78.6 452 486 458	81.7 455 487 461	81.9 457 491 465	87.1 459 494 467	74.3 451 485 459	77.6 450 487 460	77.8 451 484 459	83.1 440 485 461	70.1 442 467 454	73.5 442 468 455	73.6 417 431 430	79.2 418 431 429	65.3 418 448 444	68.8 417 448 444	69 385 411 410	74.8 379 405 405	61.9 356 391 392	68 352 381 382
120	- B B2 BW	69.8 429 462 435	72.7 431 462 437	73.2 433 467 441	78.1 437 470 444	65.7 426 459 434	68.7 428 461 436	69.2 432 464 440	74.2 432 464 440	61.6 420 448 431	64.8 422 449 433	65.2 403 420 415	70.4 406 421 417	56.9 402 433 424	60.3 402 432 425	60.7 377 402 400	66.1 373 399 398	53.7 350 387 388	59.5 347 381 382
125	- B B2 BW	61.7 410 442 416	64.3 412 443 417	65.1 410 443 417	69.7 415 447 422	57.7 403 435 410	60.5 405 436 411	61.2 409 440 416	65.9 412 443 420	53.7 400 428 409	56.7 402 430 411	57.3 389 408 399	62.3 392 409 402	49.2 387 417 405	52.3 388 417 406	52.9 366 392 386	58.1 364 391 387	46 342 380 379	51.5 341 380 381
130	- B B2 BW	54.3 392 422 397	56.7 393 423 398	57.8 391 422 398	62 394 424 400	50.4 387 417 393	53 388 419 394	53.9 388 418 395	58.4 392 422 399	46.5 380 409 387	49.3 382 412 389	50.1 375 396 384	54.8 378 398 387	42.1 372 401 385	45 373 402 387	45.8 356 381 373	50.7 355 381 374	39 334 370 365	44.2 333 370 368
135	- B B2 BW	47.6 373 402 378	49.9 375 403 379	51.1 374 405 381	55.1 377 406 383	43.8 370 399 376	46.3 372 401 377	47.4 371 400 377	51.6 375 404 381	40 364 392 370	42.6 366 395 372	43.6 361 384 369	48.1 363 386 372	35.7 357 386 368	38.4 359 387 369	39.4 345 371 360	44.1 345 371 361	32.7 326 359 352	37.6 326 360 355
140	- B B2 BW	41.2 354 382 359	43.3 356 383 360	44.7 359 388 365	48.5 361 390 367	37.5 354 382 359	39.8 355 383 360	41 358 386 364	45 349 377 355	33.7 351 379 357	36.2 347 372 354	37.3 347 372 357	41.5 349 374 357	29.5 343 371 351	32.1 344 373 353	33.2 335 361 347	37.6 335 361 349	26.5 317 349 339	31.2 318 350 342
150	- B B2 BW	29.6 323 349 328	31.4 325 350 328	33.1 327 354 333	36.4 330 357 335	26 322 348 327	27.9 323 350 328	29.5 325 352 331	33.1 328 354 333	24.5 319 346 325	25.9 321 348 326	29.7 322 347 327	315 317 342 321	317 317 344 323	313 315 339 321	315 315 341 323	301 302 329 313	302 302 330 316	
160	- B B2 BW	297 322 301	298 323 302	298 323 303	301 326 306	294 318 298	295 320 303	298 323 305	300 325 305	291 316 296	293 318 297	295 320 301	297 323 303	289 314 294	290 316 296	291 316 297	294 319 299	283 308 289	285 310 291

Further lengths on request - Autres longueurs sur demande

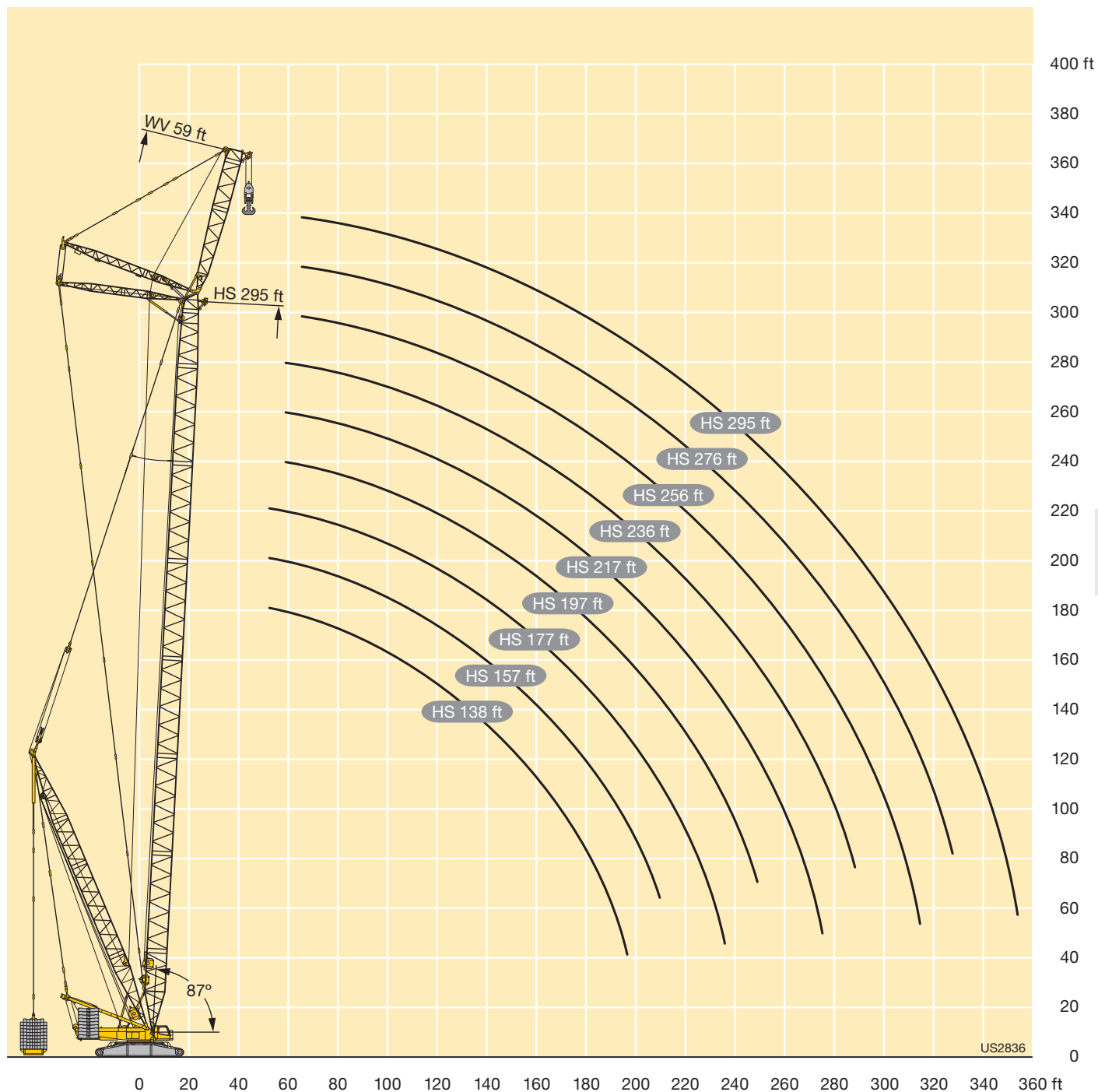
TAB 181470 / 181472 / 181476



ft		S 217				S 236				S 256				S 276				S 295	
		D 118				D 118				D 118				D 118				D 118	
		W 39		W 59		W 39		W 59		W 39		W 59		W 39		W 59		W 59	
		12°	20°	12°	20°	12°	20°	12°	20°	12°	20°	12°	20°	12°	20°	12°	20°	12°	20°
170	B B2 BW	272 295 275	272 295 276	276 300 281	278 302 283	271 294 275	272 295 276	271 296 277	274 298 279	267 290 271	268 292 273	270 294 275	272 296 277	262 287 267	264 288 269	269 292 273	271 295 276	262 286 267	265 288 269
180	B B2 BW	250 272 253	251 273 255	254 277 259	256 278 260	248 271 253	248 271 253	252 275 257	254 276 259	246 269 251	247 270 252	248 271 253	250 273 255	242 265 247	244 267 249	246 268 250	248 271 252	241 264 246	244 266 248
190	B B2 BW	231 252 234	231 252 235	233 256 239	236 257 240	228 250 233	229 250 233	232 254 237	234 256 238	226 248 231	226 248 231	229 251 234	231 253 236	224 245 228	225 247 229	226 247 230	228 250 232	221 242 225	223 245 227
200	B B2 BW	213 233 216	213 233 217	215 236 220	217 238 222	211 231 215	211 232 216	214 234 218	215 236 219	208 228 212	207 228 212	212 233 216	214 234 218	206 226 210	207 227 211	209 229 213	211 231 215	202 223 206	205 225 208
210	B B2 BW	195 214 198	195 213 199	200 220 205	202 221 206	195 215 199	195 215 199	197 217 201	199 218 203	192 211 196	192 212 197	195 214 199	196 215 200	188 207 192	188 208 192	193 212 197	195 214 199	187 208 192	190 210 193
220	B B2 BW	176 195 184	178 195 185	185 204 189	186 204 190	180 198 183	179 198 184	183 202 187	184 204 188	178 197 182	177 197 182	180 199 184	182 200 185	174 193 178	175 194 179	177 195 182	179 197 183	173 193 177	175 194 178
230	B B2 BW	158 175 170	159 176 170	169 187 175	170 188 176	164 182 170	165 182 170	169 188 174	170 189 174	164 182 168	163 182 167	167 185 170	168 186 172	161 179 165	161 181 165	163 180 167	165 182 169	158 178 162	159 179 163
240	B B2 BW	137 154 153	138 154 152	153 170 161	155 171 163	149 166 157	151 167 157	155 173 160	156 174 161	150 168 154	150 167 154	154 172 158	155 173 159	148 167 152	148 167 152	151 167 155	152 170 156	145 164 149	146 165 150
250	B B2 BW			136 153 148	140 155 151	133 149 145	136 151 144	142 159 148	144 160 149	137 154 143	139 154 143	142 160 145	142 160 146	136 154 139	135 153 139	140 156 143	140 158 145	133 152 137	134 153 138
260	B B2 BW			118 134 133	119 136 134	115 131 130	115 132 130	128 144 138	132 146 138	124 141 132	128 141 131	130 147 134	131 147 135	124 141 128	125 141 129	128 145 132	128 146 133	123 141 126	124 142 127
270	B B2 BW			94.8 112 112		92 110 110		115 130 127	117 131 126	111 127 121	113 126 121	119 134 124	121 135 125	113 128 118	114 128 118	117 134 121	118 135 122	112 130 116	113 130 116
280	B B2 BW							99.4 114 114	99.4 114 112	95.7 110 108	94.8 110 108	108 122 114	110 123 115	102 116 109	103 116 108	106 123 111	108 124 113	102 119 106	102 120 106
290	B B2 BW											96.4 109 105	98.2 110 105	90.3 102 98.6	90 102 98.6	96.3 112 103	99.5 113 103	92.6 109 95.8	93.1 110 96.8
300	B B2 BW											80.7 95 94.2	82.1 95 93.4	74 87.5 86.4	74.2 86.7 86	86.2 101 94.8	90.2 102 94.3	84.4 98.5 88	84.9 101 88.4
310	B B2 BW											62.3 77.2 77.6		56 70.3 70.3		74.8 88.4 85.1	76.3 89.2 86.5	76.1 88.6 80.2	76.6 92.5 80
320	B B2 BW															61.4 74.6 73.4		67.7 78.6 72.4	67.9 82 72.2
330	B B2 BW																	58.5 68.5 64.7	57.9 69.7 64.9
340	B B2 BW																	46.7 58 57.5	44.9 57.3 56.3
350	B B2 BW																	31.6 43.3 43.4	

Further lengths on request - Autres longueurs sur demande

TAB 181470 / 181472 / 181476





 ft	S 138																				 ft	
	W 157										W 177											
	F 39		F 59		F 79		F 98		F 118		F 39		F 59		F 79		F 98		F 118			
	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°		
80	204																			80		
85	191	143									185									85		
90	179	139									175									90		
95	168	136	160								164	139	164							95		
100	159	132	153		123						155	135	156							100		
105	150	128	147	98	118		105				146	132	147	100	122					105		
110	142	125	141	95.5	113		100		89		138	129	139	97.5	117		102			110		
115	134	122	135	93.5	108		95.5		86		131	126	132	95.5	113		99.5			115		
120	128	120	129	91	104	78.5	91.5		82		124	123	126	93.5	108	79	95.5		85	120		
125	121	117	123	89	99.5	77	87.5	65.5	78.5		118	121	119	91.5	105	78.5	91.5		81.5	125		
130	115	115	117	87	96	75	84.5	63.5	75		112	116	114	89.5	101	76.5	88	64.5	78.5	130		
135	110	112	112	85	93	73	81	61.5	72		107	112	109	87.5	97.5	75	85	63	75.5	135		
140	105	108	107	83.5	89.5	71.5	78.5	60	69	48.1	102	106	104	86	94.5	73.5	82	61.5	72.5	50.7	140	
150	95.5	100	98	80	84	68.5	73	57	64	44.5	93	97	94.5	83	88.5	70.5	76.5	58.6	67.5	47.5	150	
160	87.5	91.5	89.5	77.5	78.5	65.5	68	54.2	59.7	37.7	85	88.5	86.5	80	83	67.5	71.5	55.9	63	41.6	160	
170	80	83.5	82.5	75	74	63	63.5	51.6	55.3	30.3	77.5	81	79	77.5	78.5	65	67	53.4	58.8	35.5	170	
180	74		76	73.5	70	61	59.8	49.3	51.5	21	71.5	74	73	75	73.5	63	63.5	51.1	54.8	27.8	180	
190	68		70		66.5	59.2	56.5	47.3	46.9		65.5		67	70.5	68	61	60	49	51.1	19.5	190	
200			65		63.5	57.7	53.4	45.1	40.1		60.5		62	65	63	59.3	56.7	47.2	46.9		200	
210					60.5		50.3	42.3	29.5					57.1		58.2	57.9	53.9	45.4	41.4		210
220					56.7		48.1	38.9	19.3						54	56.3	51.1	42.8	31.2		220	
230							45.9	32.7							50	48.8	39.9	21.2			230	
240							43.1								46.4		46.6	35.5			240	
250																	43.8				250	
260																	40.7				260	

TAB 181198

TAB 181198

J



 ft	S 138																				 ft
	W 197										W 217										
	F 39		F 59		F 79		F 98		F 118		F 39		F 59		F 79		F 98		F 118		
	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	
85	177																				85
90	167																				90
95	157										152										95
100	148	138	150								143										100
105	139	134	142		125						135	137	137								105
110	132	131	134	98.5	120						128	132	129		118						110
115	125	128	127	97	116						121	126	122		117						115
120	118	123	121	95	112		98		87.5		114	119	116	96.5	115		99				120
125	112	117	115	93	108	79	94.5		84		108	113	110	94.5	111		97		85.5		125
130	106	111	109	91	105	78	91		81		103	107	105	93	106	78.5	94		83		130
135	101	106	104	89.5	101	76.5	88.5		78		98	102	99.5	91.5	101	77.5	91.5		80		135
140	96.5	101	99	88	98	75	85.5	61.5	75.5		93	97	95	89.5	96	76	88.5	62.5	77.5		140
150	87.5	91.5	90	85	90	72	80	59.9	70.5		84	88	86	86.5	87.5	73.5	83	61	73		150
160	79.5	83.5	82	82	82.5	69.5	75	57.3	65.5	44.4	76.5	79.5	78	82.5	79.5	71	77.5	58.6	68.5	47	160
170	72.5	76	75	78.5	75.5	67	70.5	54.9	61.5	38.8	69.5	72.5	71.5	75	72.5	68.5	72.5	56.3	64	42	170
180	66	69.5	69	72	69	64.5	66.5	52.7	57.8	33	63	66	65	68.5	66.5	66	66.5	54.2	60.5	36.7	180
190	60.5	63.5	63	66	63.5	62.5	63	50.6	54.1	25.9	57.7	60	59.5	63	61	63.5	61	52.1	57.1	30.8	190
200	55.5		58	60.5	58.4	60.5	59.3	48.6	50.5	18.3	52.6	54.8	54.4	57.5	55.9	59.7	55.8	50.2	53.6	24.3	200
210	50.9		53.3	55.7	53.7	57.8	54.6	47.1	46.9		47.9	49.9	49.8	52.5	51.2	54.7	51.2	48.4	50.3	17	210
220	46.8		49.1	51.2	49.5	53.3	50.5	45.4	41.3		43.8	45.6	45.6	48.1	47	50.3	47.1	47	46.6	11.2	220
230			45.2		45.7	49	46.6	43	33.4		40.1		41.8	43.9	43.2	46.1	43.3	45.4	41.7		230
240			41.6		42.1	45.1	43	40.4	24.3		36.6		38.2		39.6	42.2	39.7	43	35.2		240
250					38.7		39.7	37.6	15.6				34.9		36.2	38.6	36.4	39.6	26.8		250
260					35.7		36.6	31.5	10.9				31.9		33.2	35.3	33.4	36.3	18.3		260
270							33.8								30.4		30.6	32.8	12.8		270
280							31.2								27.7		28	28.4			280
290																	25.5				290
300																	23.2				300

TAB 181198



 ft	S 138																		 ft		
	W 236										W 256										
	F 39		F 59		F 79		F 98		F 118		F 39		F 59		F 79		F 98			F 118	
	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°		10°	30°
100	138																			100	
105	130										126									105	
110	122	126	122								119	121	113							110	
115	116	121	118								112	117	112							115	
120	109	114	111		107						106	110	108							120	
125	103	108	105	95.5	105		91				100	104	103		94					125	
130	98	103	100	94	101		89.5		79		95	99	97.5	94	92.5		81			130	
135	93	97.5	95	92.5	96.5		88		78.5		90.5	94	92.5	92	90		80			135	
140	88.5	92.5	90.5	91	91.5	76	86.5		77.5		85.5	89	88	90	87	76	79		70.5	140	
150	79.5	83.5	82	85.5	83	74.5	81.5		75.5		77	80	79.5	83.5	79.5	75	76		69.5	150	
160	72	75.5	74	78.5	75.5	72	75	59.6	72.5	49.2	69.5	72	71.5	75.5	72	72.5	72	60.5	67.5	160	
170	65	68.5	67	71.5	68.5	69.5	68.5	57.3	68.5	44.2	62.5	65	65	68.5	65.5	70.5	65	58.1	65.5	45.3	170
180	59	62	61	65	62.5	66.5	62.5	55.3	63	39.4	56.7	58.9	58.9	62	59.5	64.5	59.4	56.1	59.9	41.2	180
190	53.5	56.3	55.6	59.2	57.2	61.5	57.1	53.4	57.7	34.5	51.3	53.2	53.5	56.3	54	58.8	54	54.2	54.6	36.7	190
200	48.5	51	50.5	53.9	52.1	56.3	52.1	51.5	52.8	29.1	46.3	48.1	48.5	51	49.1	53.5	49.1	52.2	49.8	32	200
210	43.9	46.2	45.9	49	47.5	51.4	47.5	49.7	48.3	22.7	41.7	43.3	43.9	46.2	44.5	48.7	44.5	49.6	45.3	27	210
220	39.8	41.9	41.8	44.6	43.3	46.9	43.5	47.3	44.2	16	37.7	39	39.8	41.8	40.4	44.3	40.5	45.2	41.3	20.9	220
230	36.1	37.9	38	40.5	39.5	42.8	39.7	43.8	40.5		33.9	35.1	36	37.8	36.6	40.2	36.8	41.2	37.6	14.8	230
240	32.6		34.4	36.7	36	39	36.1	40	37		30.4	31.4	32.4	34.1	33.1	36.4	33.3	37.4	34.2		240
250	29.4		31.1		32.6	35.4	32.9	36.4	33.6		27.2		29.2	30.5	29.8	32.9	30	33.9	30.9		250
260	26.5		28.1		29.6	32.1	29.9	33.1	28.4		24.3		26.1	27.4	26.8	29.6	27	30.7	28		260
270			25.4		26.8	29	27.1	30.1	21.2		21.6		23.4	24.4	24	26.6	24.3	27.6	25.3		270
280			22.8		24.2		24.5	27.2	14.9		19.1		20.7		21.4	23.7	21.7	24.8	21.4		280
290					21.7		22	24.4					18.3		18.9		19.2	22.1	16.1		290
300					19.4		19.7	21.9					16		16.7		17	19.5	11.7		300
310							17.6								14.6		14.9	17.1			310
320							15.6								12.6		12.9				320
330																	11				330
340																	9.2				340

TAB 181198



 ft	S 138																				 ft
	W 276										W 295										
	F 39		F 59		F 79		F 98		F 118		F 39		F 59		F 79		F 98		F 118		
	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	
105	120																			105	
110	113										103									110	
115	107										101									115	
120	101	106	99.5								98									120	
125	95.5	101	97.5		85.5						92.5	93.5	86							125	
130	90	95	92.5	88	84.5						87.5	91	85		74.5					130	
135	85.5	90.5	88	86.5	83						82.5	86.5	82		74					135	
140	81	85.5	83	85	81	73.5	73		65		78	82	78.5	76	73		63.5		56.5	140	
150	72.5	77	75	79	75.5	73	72		64		70	73.5	71.5	74	70		63		55.7	150	
160	65	69	67.5	71.5	68	71	69	61	63		62.5	65.5	64	69.5	65.5	63	61		54.4	160	
170	58.2	62	60.5	64.5	61	67	62.5	59.1	61.5	48.3	55.8	58.7	57.2	62.5	59.2	61.5	58.9	52.7	53.1	170	
180	52.3	55.8	54.7	58.1	55.3	61	56.6	57.1	56	44	50	52.6	51.4	56.2	53.3	57.4	53.4	51.9	51.4	180	
190	46.9	50.2	49.3	52.4	50	55.2	51.3	54.5	50.8	39.6	44.7	47.1	46.1	50.5	48	52.3	48.1	50.7	47.6	41.3	190
200	42	45.1	44.4	47.2	45.1	49.9	46.4	50.9	46	35.3	39.8	42	41.2	45.3	43.1	47.1	43.3	48.1	42.9	37.3	200
210	37.5	40.3	39.8	42.4	40.5	45.1	41.9	46.1	41.6	31	35.4	37.3	36.7	40.6	38.6	42.3	38.8	43.4	38.5	33.2	210
220	33.5	36.1	35.8	38.1	36.5	40.7	37.9	41.8	37.6	25.7	31.4	33.1	32.7	36.3	34.6	38	34.9	39.1	34.6	29.1	220
230	29.8	32.2	32	34.1	32.7	36.7	34.1	37.8	33.9	20.2	27.6	29.2	28.9	32.3	30.9	34	31.2	35.1	30.9	24.2	230
240	26.3	28.5	28.5	30.4	29.3	33	30.7	34	30.5	14.7	24.2	25.6	25.5	28.6	27.4	30.2	27.7	31.3	27.5	18.9	240
250	23.1	25.2	25.3	26.9	26	29.4	27.4	30.5	27.3		21	22.2	22.2	25.2	24.1	26.7	24.5	27.8	24.4		250
260	20.2	22	22.3	23.8	23	26.2	24.5	27.3	24.4		18.1	19.2	19.3	22	21.2	23.5	21.5	24.6	21.5		260
270	17.5	19.2	19.5	20.8	20.3	23.2	21.7	24.3	21.6		15.4	16.3	16.5	19.1	18.4	20.6	18.8	21.7	18.8		270
280	15		16.9	18	17.7	20.4	19.1	21.5	19.1		12.8	13.6	14	16.3	15.8	17.7	16.2	18.8	16.2		280
290	12.7		14.5		15.2	17.7	16.6	18.8	16.6				11.5	13.6	13.4	15.1	13.8	16.2	13.8		290
300	10.5		12.3		13	15.2	14.4	16.3	14.4				9.3	11.2	11.1	12.6	11.5	13.7	11.6		300
310			10.2		10.8	12.8	12.2	13.9	12.3							10.3		11.4			310
320							11.7														320

TAB 181198



 ft	S 157																				 ft
	W 157										W 177										
	F 39		F 59		F 79		F 98		F 118		F 39		F 59		F 79		F 98		F 118		
	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	
80	197																				80
85	184										179										85
90	173										169										90
95	163	136	162								159	139									95
100	153	132	154			124					150	136	151								100
105	145	129	147	98.5	119			106			141	132	142			123					105
110	137	126	139	96	114			101		89.5	134	129	135	97	118			103			110
115	130	123	132	93.5	109			96.5		86.5	127	126	128	95.5	114			100			115
120	123	120	125	91.5	105	78.5	92.5			83	120	123	121	93.5	109			96		86	120
125	117	118	119	89.5	100	77	88.5			79	114	119	115	91.5	105	79	92.5			82.5	125
130	111	115	114	87.5	97	75	85	63.5	75.5		108	113	110	89.5	102	77	89	64.5			130
135	106	111	109	85.5	93.5	73.5	82	62	72.5		103	108	105	88	98.5	75.5	85.5	63.5	76		135
140	101	106	104	83.5	90.5	72	79	60.5	69.5	48.8	98.5	103	100	86.5	95	74	82.5	62	73	51.3	140
150	92.5	97	94.5	80.5	84.5	68.5	73.5	57.2	64.5	45.2	89.5	93.5	91	83	89	70.5	77	58.9	68	48.1	150
160	84.5	88.5	86.5	77.5	79	66	68.5	54.4	60	38.5	82	85.5	83.5	80.5	83	68	72	56.2	63	42.3	160
170	77.5	81	79.5	75.5	74.5	63	64	51.8	55.7	31.4	75	78	76.5	77.5	65	67.5	53.6	59.1	36.1		170
180	71		73.5	73.5	70.5	61	60	49.5	51.7	22.1	68.5	71.5	70	73.5	71.5	63	64	51.3	55.2	28.7	180
190	65.5		67.5		67	59.3	56.7	47.4	47.7	13.9	63		64.5	68	66	61	60	49.2	51.4	20.5	190
200			62.5		63	57.8	53.6	45.3	41.3		58.1		59.5	62.5	60.5	59.4	57	47.3	47.4		200
210					58.9		50.6	42.6	30.2				54.9		56	58	54.2	45.6	42.8		210
220					54.7		48.3	39.7	19.1				50.7		51.9	54.8	51.4	43	33		220
230					50.8		46.1	33.6							48		48.4	40.3	23.1		230
240							43.3								44.5		45.3	36.1	15		240
250																	42				250
260																	39				260
270																	36.2				270

TAB 181198



 ft	S 157																				 ft	
	W 157										W 177											
	F 39		F 59		F 79		F 98		F 118		F 39		F 59		F 79		F 98		F 118			
	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°		
95	151											147									95	
100	142	138	145									138									100	
105	134	135	137									130	136	132							105	
110	127	132	129	98.5	119							123	128	125		116					110	
115	120	126	123	97	117							116	121	118		115					115	
120	114	119	116	95	113		98.5					110	115	112	96.5	112					120	
125	108	113	111	93.5	109	79	95		84.5			104	109	106	94.5	107		95.5		84	125	
130	102	107	105	91.5	105	78	92		81.5			99	103	101	93	102	79	93.5		82.5	130	
135	97.5	102	100	89.5	100	76.5	89		78.5			94	98.5	96	91.5	97	78	91		80.5	135	
140	93	97.5	95.5	88	95.5	75	86	61.5	76			89.5	93.5	91.5	90	92.5	76	88.5	63	78	140	
150	84	88.5	87	85	87	72	80.5	60	71			81	84.5	83	85.5	84	73.5	82.5	61.5	73.5	150	
160	76.5	80.5	79	81.5	79.5	69.5	75.5	57.5	66	45		73.5	76.5	75.5	79.5	76.5	71	76.5	58.8	69	47.6	160
170	69.5	73	72.5	76	72.5	67	71	55.1	62	39.4		66.5	69.5	68.5	72.5	70	68.5	69.5	56.5	64.5	42.5	170
180	63.5	67	66.5	69.5	66.5	64.5	66.5	52.9	58.1	33.7		60.5	63.5	62.5	66	64	66.5	64	54.3	61	37.3	180
190	58.1	61	60.5	64	61	62.5	62	50.7	54.4	26.7		55.2	57.7	57.1	60.5	58.6	62.5	58.5	52.3	57.1	31.6	190
200	53.1	55.9	55.7	58.4	56.1	60	57	48.8	50.8	19.1		50.2	52.5	52.1	55.2	53.6	57.5	53.5	50.4	53	25.2	200
210	48.6		51.1	53.5	51.5	55.7	52.4	47.2	47.2			45.7	47.8	47.6	50.3	49	52.6	49	48.5	48.6	18	210
220	44.6		47	49.1	47.4	51.3	48.4	45.6	42.3			41.7	43.5	43.5	46	45	48.3	45	47.1	44.6	11.8	220
230	41		43.2		43.7	47.1	44.6	43.3	34.5			38		39.8	42	41.2	44.2	41.3	44.5	41		230
240			39.7		40.1	43.3	41.1	40.6	25.4			34.6		36.3		37.7	40.4	37.8	41.3	35.8		240
250					36.9		37.9	37.8	16.6					33		34.4	36.9	34.6	37.8	27.9		250
260					33.9		34.9	32.1	11.4					30.1		31.5	33.6	31.7	34.6	19.4		260
270							32.2									28.7		28.9	31.6	13.5		270
280							29.6									26.1		26.4	28.6			280
290																		23.9				290
300																		21.7				300

TAB 181198



	S 157																				
	W 236										W 256										
	F 39		F 59		F 79		F 98		F 118		F 39		F 59		F 79		F 98			F 118	
	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°		10°	30°
100	134																			100	
105	126										121									105	
110	119	121	118								114									110	
115	112	116	113								108									115	
120	106	110	107		105						102	107	104							120	
125	101	104	101	95.5	103		89				96.5	102	98.5		90.5					125	
130	95.5	99	96.5	94	97.5		87.5		79		91.5	96	93.5	92.5	89.5		79			130	
135	90.5	94	91.5	92	93		86		78		86.5	91.5	89	90.5	86.5		78.5			135	
140	86	89	87	90	88.5	76	85		76.5		82	86.5	84.5	87.5	83.5	76.5	77.5		68.5	140	
150	77.5	80.5	78.5	83.5	80	74.5	79.5		74		74	78	76	80.5	76.5	75	74.5		67.5	150	
160	70	72.5	71	75.5	72.5	72	72.5	59.8	71	50	66.5	70.5	69	72.5	69	72	70	60.5	65.5	160	
170	63.5	65.5	64.5	68.5	66	70	65.5	57.5	66	44.8	59.9	63.5	62	65.5	62.5	68	64	58.3	63	46	170
180	57.4	59.5	58.5	62.5	60	64.5	60	55.4	60.5	40	54.1	57.4	56.4	59.5	56.9	62	58	56.2	57.4	41.7	180
190	52	53.9	53.1	56.8	54.7	59.3	54.7	53.5	55.3	35	48.8	51.9	51.1	53.9	51.6	56.5	52.8	54.3	52.3	37.2	190
200	47.1	48.7	48.2	51.6	49.8	54.1	49.8	51.7	50.5	29.7	44	46.8	46.2	48.7	46.8	51.3	48	51.7	47.6	32.5	200
210	42.6	44	43.7	46.8	45.3	49.2	45.4	49.9	46.1	23.5	39.5	42.1	41.7	44	42.3	46.5	43.6	47.5	43.2	27.8	210
220	38.6	39.8	39.7	42.5	41.3	44.9	41.4	45.8	42.2	16.8	35.6	38	37.7	39.8	38.3	42.3	39.6	43.2	39.3	21.6	220
230	34.9	35.9	35.9	38.5	37.5	40.9	37.7	41.8	38.6		31.9	34.1	34	35.8	34.6	38.3	35.9	39.3	35.7	15.5	230
240	31.5		32.5	34.8	34.1	37.2	34.3	38.1	35.2		28.5	30.5	30.6	32.2	31.2	34.6	32.5	35.6	32.3		240
250	28.3		29.3		30.8	33.7	31.1	34.6	32		25.3		27.3	28.8	28	31.1	29.3	32.1	29.2		250
260	25.4		26.4		27.9	30.4	28.1	31.4	28.9		22.5		24.4	25.6	25.1	27.9	26.4	29	26.3		260
270			23.7		25.1	27.4	25.4	28.4	22.3		19.8		21.7	22.7	22.3	25	23.7	26	23.6		270
280			21.1		22.6		22.8	25.6	15.7		17.4		19.1		19.8	22.2	21.1	23.2	20.5		280
290					20.1		20.4	22.9					16.7		17.4	19.5	18.7	20.5	16.6		290
300					17.9		18.2	20.4					14.5		15.2	17	16.5	18.1	12		300
310							16.1								13.1		14.4	15.7			310
320							14.2								11.1		12.4				320

TAB 181198



	S 157																		
	W 276										W 295								
	F 39		F 59		F 79		F 98		F 118		F 39		F 59		F 79		F 98		
	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	
105	114																		105
110	110										97.5								110
115	104										96.5								115
120	98	102	95								94								120
125	92.5	96.5	94								88.5	89	81.5						125
130	87.5	91.5	89		81						83.5	87	81		71				130
135	83	86.5	84.5		79.5						79	83	78.5		70.5				135
140	78.5	82	80	80.5	78		70		62		75	78.5	75	73	70		61		140
150	70.5	73.5	71.5	76	72		69		61.5		67	70	68	71	67		60		150
160	63	66	64.5	68.5	65	68.5	66	59.5	60		59.6	62.5	61	66.5	63	60.5	58.6		160
170	56.6	59.3	57.9	61.5	58.5	64.5	59.7	58.5	58.7	48.8	53.1	56	54.5	59.7	56.5	59.5	56.2	50.7	170
180	50.9	53.3	52.2	55.5	52.8	58.4	54.1	57	53.5	44.6	47.5	50.1	48.9	53.7	50.8	54.9	50.9	50	180
190	45.6	47.8	46.9	50	47.5	52.8	48.9	53.4	48.4	40.2	42.3	44.7	43.7	48.2	45.6	49.9	45.7	48.6	190
200	40.8	42.8	42.1	44.9	42.8	47.7	44.1	48.7	43.7	35.9	37.6	39.7	38.9	43.1	40.9	44.8	41	45.9	200
210	36.4	38.2	37.7	40.2	38.4	42.9	39.7	44	39.4	31.5	33.2	35.1	34.5	38.5	36.5	40.1	36.7	41.2	210
220	32.5	34.1	33.7	36	34.4	38.7	35.8	39.7	35.5	26.4	29.3	31.1	30.6	34.3	32.6	35.9	32.8	37	220
230	28.8	30.2	30.1	32.1	30.8	34.8	32.2	35.8	32	20.9	25.7	27.3	27	30.4	28.9	32	29.2	33.1	230
240	25.4	26.7	26.6	28.5	27.3	31.1	28.8	32.1	28.6	15.2	22.3	23.8	23.6	26.8	25.5	28.4	25.8	29.5	240
250	22.3	23.4	23.5	25.1	24.2	27.7	25.6	28.7	25.5		19.2	20.5	20.4	23.4	22.4	25	22.7	26.1	250
260	19.4	20.3	20.6	22	21.3	24.5	22.7	25.6	22.6		16.4	17.5	17.6	20.3	19.5	21.8	19.8	22.9	260
270	16.8	17.5	17.9	19.1	18.6	21.6	20	22.6	20		13.7	14.7	14.9	17.4	16.8	18.9	17.1	20	270
280	14.3		15.3	16.4	16	18.8	17.5	19.9	17.5		11.2	12	12.3	14.7	14.2	16.2	14.6	17.3	280
290	11.9		12.9		13.7	16.2	15.1	17.2	15.1					12.1	11.8	13.6	12.2	14.7	290
300	9.8		10.7		11.4	13.7	12.9	14.8	12.9					9.7	9.6	11.1	10	12.2	300
310						11.4	10.8	12.5	10.9								9.9		310

TAB 181198



	S 177																					
	W 157										W 177											
	F 39		F 59		F 79		F 98		F 118		F 39		F 59		F 79		F 98		F 118			
	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°		
80	190																				80	
85	177											172									85	
90	167											163									90	
95	157	137	159									153									95	
100	148	133	150		125							144	136	145							100	
105	140	130	142	99	120							136	133	137		124					105	
110	132	126	134	96.5	115		100		90.5			129	130	130	97.5	119		104			110	
115	125	123	128	93.5	110		97.5		87.5			122	126	124	96	114		101			115	
120	119	121	121	91.5	106	78.5	93.5		83.5			116	121	117	94	110		97		86.5	120	
125	113	118	115	89.5	102	77.5	89.5		80			110	115	111	92	106	79	93		83	125	
130	107	113	110	87.5	97.5	75.5	86	63.5	76.5			105	109	106	90	102	77.5	89.5		79.5	130	
135	103	108	105	85.5	94	74	82.5	62.5	73			99.5	104	101	88	99	75.5	86.5		76.5	135	
140	97.5	103	100	84	91	72	79.5	60.5	70.5	49.5		95	99.5	96.5	86.5	95.5	74	83	61	74	52	140
150	89	93.5	91.5	80.5	85	69	74	57.5	65	45.9		86.5	90.5	88	83	88.5	71	77.5	59.2	68.5	48.8	150
160	81	85.5	83.5	78	79.5	66	69	54.7	60.5	39.4		78.5	82.5	80.5	80	81.5	68	72.5	56.4	63.5	42.9	160
170	74.5	78	76.5	75.5	75	63.5	64.5	52.1	56.1	32.5		72	75.5	73.5	77.5	74.5	65.5	68	53.8	59.5	36.8	170
180	68.5		70.5	73	71	61	60.5	49.7	52.1	23.2		66	69	67.5	71.5	68.5	63	64	51.5	55.5	29.7	180
190	63		65	68.5	66	59.4	57.1	47.6	48.2	14.8		60.5		62	66	63.5	61	60.5	49.4	51.7	21.5	190
200			60		61.5	57.9	53.9	45.5	42.3			55.6		57.2	60.5	58.4	59.3	57.2	47.5	48		200
210					56.7		50.9	42.9	32.1					52.6		53.8	57.6	54.4	45.7	44.2		210
220					52.6		48.5	39.9	21.3					48.6		49.8	53.2	50.6	43.2	34.3		220
230					48.8		46.2	34.2	13.7					44.9		46		46.9	40.5	24.4		230
240							43.5									42.5		43.4	36.5	16		240
250																		40.2				250
260																		37.3				260
270																		34.5				270

TAB 181198

J



	S 177																					
	W 157										W 177											
	F 39		F 59		F 79		F 98		F 118		F 39		F 59		F 79		F 98		F 118			
	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°		30°	
95	147																			95		
100	138	139										133								100		
105	130	136	132									125	131	127						105		
110	123	128	125			118						119	124	120						110		
115	117	122	118			116						112	117	114						115		
120	111	115	112	95.5	113			98.5				106	111	108	97	109				120		
125	105	109	107	93.5	108			96		85		100	105	102	95	103		93		125		
130	99.5	104	101	91.5	102	78	93		81.5			95	99.5	97	93.5	98.5	79	91.5		80.5	130	
135	95	99	96.5	90	98	77	89.5		79			90.5	94.5	92.5	91.5	93.5	78	89.5		79	135	
140	90.5	94	92	88.5	93.5	75.5	86.5	62	76.5			86	90	88	90	89	76.5	87	63	77.5	140	
150	82	85.5	83.5	84.5	85	72.5	81	60.5	71			77.5	81.5	79.5	84.5	81	74	80.5	61.5	73.5		150
160	74.5	77.5	76	80	77.5	69.5	75.5	57.7	66.5	45.6		70.5	73.5	72.5	76.5	74	71	73.5	59	69	48.3	160
170	67.5	70.5	69.5	73	71	67	70.5	55.3	62	40.1		63.5	67	66	70	67	68.5	67	56.7	64.5	43.2	170
180	62	64.5	63.5	67	65	65	65	53.1	58.5	34.4		58	61	60	63.5	61.5	65	61.5	54.5	60	37.9	180
190	56.5	58.7	58.3	61.5	59.7	62	59.5	50.9	54.8	27.6		52.7	55.3	54.7	58.1	56.2	60.5	56.1	52.5	55.4	32.3	190
200	51.6	53.6	53.4	56.2	54.8	58.4	54.7	49	51.1	20		47.9	50.2	49.8	52.9	51.3	55.3	51.3	50.5	50.7	26.1	200
210	47.1		48.9	51.4	50.3	53.6	50.3	47.3	47.5			43.5	45.6	45.4	48.2	46.9	50.5	46.9	48.6	46.4	18.9	210
220	43.2		44.9	47.1	46.3	49.3	46.3	45.7	43.4			39.6	41.5	41.4	44	42.9	46.3	43	46.5	42.6	12.3	220
230	39.6		41.2		42.6	45.3	42.7	43.5	35.8			36		37.8	40.1	39.3	42.3	39.4	43.2	39		230
240			37.8		39.1	41.5	39.2	40.9	26.7			32.7		34.4		35.9	38.6	36	39.5	34.8		240
250					35.9		36.1	38	17.8					31.2		32.7	35.1	32.8	36.1	29.1		250
260					33		33.2	32.8	12					28.3		29.8	31.9	29.9	32.9	20.6		260
270							30.5	26.9								27.1		27.3	29.9	14.3		270
280							27.9									24.5		24.7	27.1			280
290																		22.4				290
300																		20.2				300
310																		18.2				310

TAB 181198



 ft	S 177																		 ft		
	W 236										W 256										
	F 39		F 59		F 79		F 98		F 118		F 39		F 59		F 79		F 98			F 118	
	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°		10°	30°
100	129																			100	
105	121										117									105	
110	114	117	113								110									110	
115	108	112	109								104									115	
120	102	106	103		101						98	103	99.5							120	
125	96.5	100	97.5	95.5	99						92.5	97.5	95		86.5					125	
130	91.5	95	92.5	94	94		85		76.5		87.5	92.5	90	89	85.5		76			130	
135	87	90.5	88	91	89.5		83.5		75.5		83	88	85.5	87	83		75.5			135	
140	82.5	85.5	83.5	88	85	76	82		74.5		79	83.5	81	84	80	74.5	74.5		65.5	140	
150	74.5	77	75.5	80.5	77	74.5	76.5		72		71	75	73	77	73.5	73.5	72		64.5	150	
160	67	69.5	68	73	69.5	72	69.5	60	69		63.5	67.5	66	69.5	66.5	71	67.5	61	62.5	160	
170	60.5	63	61.5	66	63	68.5	63	57.7	63.5	45.1	57.2	61	59.5	63	60	65.5	61	58.4	60	46.7	170
180	54.8	56.9	55.9	59.9	57.5	62.5	57.4	55.6	58	40.6	51.5	54.9	53.9	56.9	54.3	59.6	55.6	56.4	54.9	42.4	180
190	49.6	51.4	50.7	54.4	52.3	56.9	52.3	53.7	53	35.7	46.4	49.5	48.7	51.5	49.2	54.1	50.5	53.6	49.9	37.8	190
200	44.8	46.4	45.9	49.3	47.5	51.8	47.5	51.3	48.3	30.3	41.7	44.5	43.9	46.5	44.5	49.1	45.8	50	45.3	33.2	200
210	40.4	41.8	41.5	44.7	43.2	47.1	43.2	48	44	24.3	37.3	40	39.6	41.8	40.1	44.4	41.5	45.3	41.1	28.5	210
220	36.5	37.7	37.6	40.5	39.2	42.9	39.3	43.8	40.2	17.6	33.5	35.9	35.7	37.7	36.3	40.3	37.6	41.2	37.3	22.4	220
230	32.9	33.9	33.9	36.6	35.6	39	35.7	39.9	36.6		29.9	32.1	32	33.9	32.7	36.4	34	37.3	33.7	16.2	230
240	29.6		30.6	33	32.2	35.3	32.4	36.3	33.3		26.6	28.6	28.7	30.3	29.3	32.8	30.7	33.7	30.5		240
250	26.5		27.4		29	31.9	29.2	32.9	30.2		23.5		25.5	27	26.2	29.4	27.6	30.4	27.4		250
260	23.7		24.6		26.2	28.8	26.4	29.7	27.4		20.7		22.7	23.9	23.3	26.3	24.7	27.2	24.6		260
270	21.1		21.9		23.5	25.8	23.7	26.8	22.3		18.1		20	21	20.7	23.4	22.1	24.4	22		270
280			19.5		20.9		21.2	24	16.6		15.7		17.5		18.2	20.6	19.5	21.6	19.5		280
290					18.6		18.9	21.4					15.2		15.8	18	17.2	19	16.9		290
300					16.4		16.7	19					13		13.6	15.6	15	16.6	12.3		300
310							14.7								11.6		12.9	14.3			310
320							12.7										11				320

TAB 181198



 ft	S 177																 ft
	W 276										W 295						
	F 39		F 59		F 79		F 98		F 118		F 39		F 59		F 79		
	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	
110	104										91.5						110
115	100										91						115
120	94	97	90								89						120
125	89	93	89								85	84.5	78.5				125
130	84	88	85		78						80	83	77.5				130
135	79.5	83	81		77						75.5	79.5	75.5				135
140	75	78.5	76.5	78.5	75.5		67		59.2		71.5	75	73	69.5	65.5		140
150	67.5	70.5	68.5	74	70.5		66		58.6		63.5	67	66.5	67.5	64		150
160	60	63	61.5	67	63.5	65.5	63		57.5		56.7	59.8	59.4	63.5	60	57.8	160
170	53.9	56.6	55.2	60	57.1	61.5	57	56.3	56	48.5	50.5	53.3	53.2	57	53.8	56.9	170
180	48.3	50.7	49.6	54.2	51.5	55.8	51.5	55.1	50.9	45	45	47.5	47.6	51.1	48.3	52.4	180
190	43.2	45.4	44.5	48.8	46.5	50.4	46.5	51.4	46	40.9	39.9	42.3	42.6	45.8	43.3	47.5	190
200	38.6	40.5	39.8	43.8	41.8	45.4	41.9	46.4	41.5	36.5	35.3	37.4	37.9	40.9	38.7	42.5	200
210	34.3	36	35.5	39.2	37.5	40.8	37.6	41.8	37.3	32.1	31.1	33	33.6	36.3	34.4	38	210
220	30.4	32	31.7	35.1	33.6	36.7	33.8	37.7	33.5	27.2	27.3	29	29.8	32.3	30.6	33.9	220
230	26.9	28.3	28.1	31.3	30	32.8	30.3	33.9	30	21.7	23.7	25.3	26.2	28.5	27	30.1	230
240	23.6	24.8	24.7	27.8	26.7	29.2	26.9	30.3	26.8	15.9	20.5	21.9	22.9	25	23.7	26.5	240
250	20.5	21.6	21.6	24.4	23.6	25.9	23.9	26.9	23.7		17.4	18.7	19.8	21.7	20.6	23.2	250
260	17.7	18.6	18.8	21.4	20.7	22.8	21	23.9	20.9		14.6	15.7	17	18.7	17.8	20.1	260
270	15.1	15.8	16.2	18.5	18	19.9	18.4	21	18.3		12	13	14.3	15.8	15.1	17.3	270
280	12.6		13.7	15.8	15.5	17.2	15.9	18.3	15.9				11.9	13.1	12.7	14.6	280
290			11.4		13.2	14.6	13.6	15.7	13.6						12		290
300			9.2		11	12.2	11.4	13.3	11.4						9.7		300

TAB 181198



	S 197																					
	W 197										W 217											
	F 39		F 59		F 79		F 98		F 118		F 39		F 59		F 79		F 98		F 118			
	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°		
95	141																				95	
100	133											129									100	
105	126	131	127									122									105	
110	119	124	120			115						115	117	114							110	
115	112	117	114			113						109	113	110							115	
120	106	111	108	95.5	109		97					103	107	104		105					120	
125	101	105	103	93.5	104		95			83.5		97.5	101	98.5	95	99.5		90.5			125	
130	96	100	97.5	92	98.5	78.5	92.5			82		92.5	96	93.5	93.5	94.5		89		79	130	
135	91	95	93	90	94	77	89.5			79.5		88	91	89	91	90		86.5		78.5	135	
140	87	90.5	88.5	88.5	90	75.5	87	62.5	76.5			83.5	86.5	84.5	88	86	75.5	84		77.5	140	
150	78.5	82	80.5	83.5	81.5	72.5	81	60.5	71.5			75.5	78	76.5	81	78	74	77.5		74.5	150	
160	71.5	74.5	73	77.5	74.5	70	74	58	67	46.3		68.5	70.5	69.5	73.5	71	71.5	70.5	59.3	71	49.1	160
170	65	67.5	66.5	70.5	68	67.5	68	55.5	62.5	40.8		62	64	63	67	64.5	69	64	56.8	64.5	43.8	170
180	59.1	61.5	61	64.5	62.5	65	62	53.3	58.8	35.1		56.3	58.2	57.3	61	58.8	63.5	58.6	54.6	59.2	38.6	180
190	53.9	56.2	55.8	58.9	57.2	61	57.1	51.1	55.2	28.4		51.2	52.8	52.2	55.6	53.7	58	53.6	52.6	54.2	33.2	190
200	49.1	51.2	51	53.8	52.5	56.1	52.4	49.1	51.4	21		46.5	47.9	47.4	50.6	49	53	48.9	50.7	49.7	27.1	200
210	44.8		46.6	49.2	48.1	51.4	48.1	47.4	47.5			42.2	43.3	43.1	46	44.7	48.4	44.7	48.8	45.5	19.8	210
220	41		42.7	45	44.2	47.2	44.2	45.9	43.8			38.3	39.3	39.3	41.9	40.8	44.2	40.9	44.9	41.7	12.8	220
230	37.5		39.1		40.6	43.3	40.6	43.5	36.8			34.8		35.7	38	37.3	40.3	37.3	41.2	38.2		230
240			35.8		37.2	39.6	37.3	40.5	28			31.5		32.4		33.9	36.7	34	37.6	34.8		240
250					34.1		34.2	37.1	19					29.3		30.8	33.4	30.9	34.3	30.9		250
260					31.2		31.4	33.3	12.7					26.5		28	30.2	28.1	31.2	22.4		260
270					28.5		28.7	27.7						23.9		25.3		25.5	28.3	15.6		270
280							26.3									22.9		23.1	25.5			280
290																		20.8				290
300																		18.7				300
310																		16.7				310

TAB 181198

J



 ft	S 197																			 ft	
	W 236										W 256										
	F 39		F 59		F 79		F 98		F 118		F 39		F 59		F 79		F 98		F 118		
	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°		30°
105	116										113									105	
110	110	112	110								107									110	
115	104	108	106								101									115	
120	98	102	100								95.5	99.5	94.5							120	
125	92.5	96.5	95		94.5						90	94	91							125	
130	88	91.5	90	93.5	90		81.5				85	89	86.5	85	81					130	
135	83.5	86.5	85.5	90	86		80.5				81	84.5	82	83	79					135	
140	79	82	81.5	85.5	81.5	76	78.5		71		76.5	80	77.5	80.5	76.5	71.5	70.5		62.5	140	
150	71	74	73.5	77.5	73.5	74.5	73.5		70		69	72	70	74	70.5	71	68.5		61.5	150	
160	64	66.5	66.5	70	66.5	71.5	66.5	60	67		62	64.5	63	66.5	63.5	68.5	64.5	59.6	59.9	160	
170	57.7	60	60	63	60.5	65.5	60	57.9	61	45.9	55.6	58	56.7	60	57.2	62.5	58.4	58.2	57.4	48.1	170
180	52.2	54.2	54.4	57.3	54.9	59.9	54.8	55.8	55.5	41.3	50.1	52.3	51.2	54.3	51.7	57	53	56.4	52.3	43.3	180
190	47.1	48.9	49.3	51.9	49.8	54.5	49.8	53.5	50.5	36.3	45.1	47	46.2	49	46.7	51.7	48	52.5	47.5	38.5	190
200	42.4	44	44.7	47	45.2	49.5	45.2	50.4	46	31	40.4	42.2	41.6	44.1	42.1	46.8	43.5	47.6	43	33.8	200
210	38.2	39.6	40.4	42.4	40.9	44.9	41	45.8	41.8	25.3	36.2	37.8	37.3	39.6	37.9	42.2	39.3	43.1	38.9	29.1	210
220	34.4	35.6	36.5	38.4	37.1	40.8	37.2	41.7	38.1	18.5	32.4	33.8	33.5	35.6	34.1	38.2	35.5	39.1	35.2	23.2	220
230	30.8	31.9	32.9	34.6	33.6	37	33.7	37.9	34.6	12.6	28.9	30.1	30	31.9	30.6	34.4	32	35.3	31.7	17.1	230
240	27.6		29.6	31	30.2	33.4	30.4	34.4	31.4		25.7	26.7	26.8	28.4	27.4	30.9	28.8	31.8	28.5		240
250	24.6		26.5	27.7	27.2	30.1	27.4	31.1	28.4		22.6		23.7	25.1	24.3	27.6	25.7	28.5	25.6		250
260	21.8		23.7	24.7	24.4	27	24.6	28	25.6		19.9		20.9	22.1	21.5	24.5	23	25.5	22.8		260
270	19.3		21.1		21.7	24.1	22	25.1	22.1		17.3		18.3	19.3	18.9	21.7	20.4	22.7	20.3		270
280			18.6		19.3		19.5	22.4	17.3		14.9		15.9		16.5	19	17.9	20	17.9		280
290					16.9		17.2	19.8					13.6		14.2	16.5	15.6	17.5	15.5		290
300					14.8		15.1	17.4					11.5		12.1	14.1	13.5	15.1	12.3		300
310							13.1								10.1		11.5	12.9			310
320							11.2										10.7				320

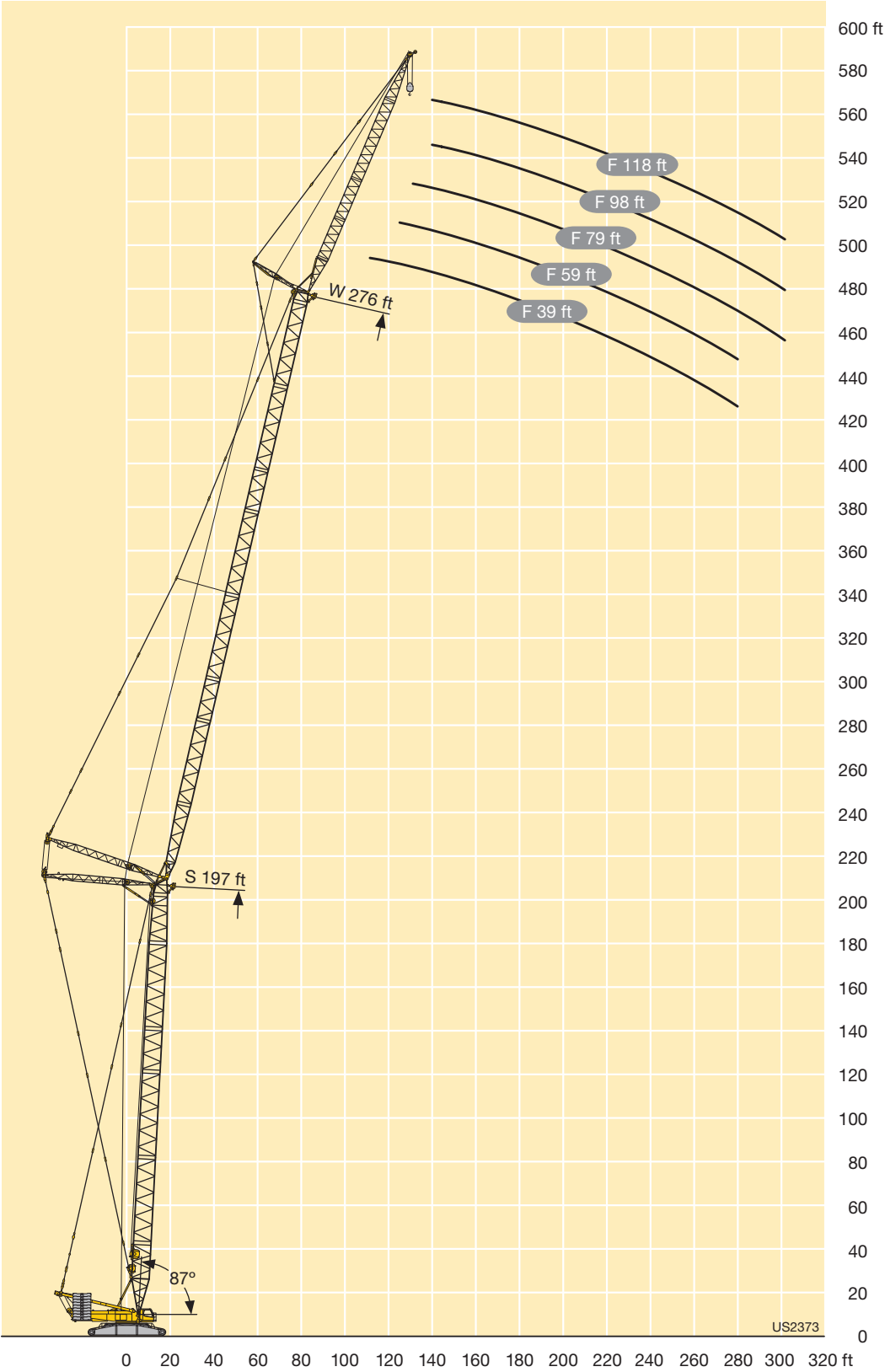
TAB 181198

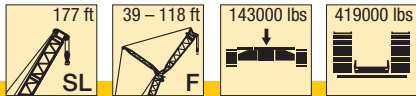


	S 197										
	W 276										
	F 39		F 59		F 79		F 98		F 118		
	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	
110	99.5										110
115	95.5										115
120	90										120
125	85	89	84								125
130	80.5	84	81		73.5						130
135	76	79.5	77		73						135
140	72	75.5	73	75.5	72		63.5		56.1		140
150	64	67.5	65.5	71	67.5		62.5		55.5		150
160	57.3	60	58.6	64	60.5	62.5	60.5		54.4		160
170	51.1	53.8	52.4	57.3	54.3	58.8	54.3	53.6	53.3		170
180	45.7	48.1	47	51.6	49	53.2	48.9	52.5	48.3		180
190	40.8	42.9	42	46.4	44	47.9	44.1	48.9	43.5	42.2	190
200	36.2	38.2	37.5	41.5	39.5	43.1	39.6	44.1	39.1	37.3	200
210	32	33.8	33.3	37.1	35.3	38.6	35.4	39.6	35	32.7	210
220	28.3	29.9	29.5	33.1	31.5	34.6	31.7	35.6	31.4	28	220
230	24.9	26.3	26.1	29.3	28	30.8	28.3	31.9	28	22.5	230
240	21.6	22.9	22.8	25.9	24.8	27.3	25	28.4	24.8	16.7	240
250	18.6	19.7	19.8	22.6	21.7	24.1	22	25.1	21.9		250
260	15.9	16.8	17	19.6	18.9	21.1	19.3	22.1	19.2		260
270	13.4	14.1	14.5	16.8	16.3	18.3	16.7	19.3	16.6		270
280	11		12	14.2	13.9	15.6	14.3	16.6	14.2		280
290					11.6	13.1	12	14.1	12		290
300					9.5	10.7	9.9	11.8	9.9		300

TAB 181198

TAB 181198

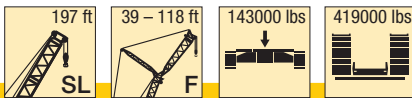




 ft	SL 177															 ft
	F 39			F 59			F 79			F 98			F 118			
	10°	15°	30°	10°	15°	30°	10°	15°	30°	10°	15°	30°	10°	15°	30°	
32	303															32
34	303															34
36	303															36
38	303															38
40	303	302														40
45	303	301	167	246	204											45
50	303	288	162	235	195											50
55	303	272	157	221	186		173			151						55
60	299	258	152	209	177	113	164	139		142	121		132			60
65	282	247	147	198	169	109	155	133		135	115		124	105		65
70	260	236	143	188	162	106	147	127		128	110		117	100		70
75	239	226	139	179	155	103	140	122	86.5	121	105		111	95.5		75
80	220	216	135	170	149	101	134	116	84	115	100	72.5	105	91		80
85	202	203	132	163	142	98	127	112	81.5	110	95.5	70	100	86.5	62	85
90	186	187	129	156	138	95.5	122	108	79	105	92	68	95.5	83	59.9	90
95	171	173	126	150	133	93	117	104	77	100	88.5	66	91	79.5	57.8	95
100	159	160	123	144	129	90.5	113	100	75	95.5	85	64	86.5	76	55.8	100
105	147	148	120	138	124	88.5	108	97	73	92	81.5	62	82.5	73	54	105
110	137	139	118	133	120	86.5	104	93.5	71	88.5	79	60	79	70	52.2	110
115	128	129	115	129	116	84.5	99.5	90.5	69.5	85	76.5	58.3	76	67.5	50.6	115
120	120	121	113	123	113	83	96	87	68	81.5	73.5	56.7	73	65	49.2	120
125	113	114	110	116	110	81.5	93	84.5	66.5	78	71	55.2	70	62.5	47.7	125
130	106	107	108	109	106	80	90.5	82	65	75.5	68.5	53.9	67	60.5	46.1	130
135	100	101	103	103	102	78.5	87.5	80	63.5	73	66.5	52.6	64.5	58.2	44.2	135
140	94.5	95	97	97.5	97.5	77	84.5	77.5	62.5	71	64.5	51.2	62.5	56	42.3	140
150	84	84.5	86	87	88	74.5	79.5	73.5	60	66.5	60.5	48.9	58.1	52.4	38.4	150
160	75	75.5	77	78	78.5	72.5	75.5	70	58	62	57.2	46.9	54.1	49.3	33.6	160
170	67.5	68	69	70	70.5	70.5	71.5	66.5	56.2	58.9	54.1	44.9	50.1	46.3	25.9	170
180	60.5	61		63.5	64	65	65	63.5	54.5	55.7	51.6	43.3	46.7	40.5	17.7	180
190	54.4	54.7		57.2	57.7	59	59.2	59.1	53.1	52.6	49.2	41.8	43.3	33.5	11.3	190
200				51.5	51.9		53.6	54.2	51.7	49.9	46.9	40.4	39.5	25.8		200
210				46.2			48.3	48.9	50.4	47.8	45.1	38.9	34.8	18.1		210
220				41.6			43.7	44.2	45.4	44.7	43.4	35.4	25.1	13.3		220
230							39.4	39.8		40.8	40.8	32				230
240										36.9	37.5					240
250										33.3						250
260										30.1						260

TAB 181118

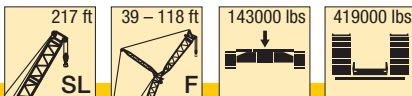
K



 ft	SL 197															 ft
	F 39			F 59			F 79			F 98			F 118			
	10°	15°	30°	10°	15°	30°	10°	15°	30°	10°	15°	30°	10°	15°	30°	
36	303															36
38	303															38
40	303	303														40
45	303	303		249												45
50	303	293		238												50
55	303	280	158	226	189		176									55
60	298	266	154	215	180	114	166	141		145			133			60
65	272	254	149	203	173	110	159	135		137	116		126	106		65
70	250	244	146	194	166	107	151	130		130	111		119	102		70
75	230	230	142	185	159	105	144	124	87	124	107		114	97.5		75
80	212	214	138	177	153	102	138	119	84.5	118	102	72.5	108	93		80
85	197	199	135	169	147	99.5	132	115	82	113	98	70.5	102	89		85
90	182	184	132	163	142	97	126	111	80	108	94	68.5	98	84.5		90
95	169	170	129	157	138	94.5	121	107	78	104	90.5	66.5	94	81	58.2	95
100	156	157	126	151	133	92.5	117	103	76	99	87.5	64.5	89.5	78	56.3	100
105	145	146	123	145	129	90.5	113	99.5	74	95	84	62.5	85.5	75	54.6	105
110	135	136	121	138	125	88.5	109	96.5	72.5	92	81	61	82	72	52.9	110
115	126	127	118	129	121	86.5	105	93.5	71	88.5	78.5	59.4	79	69.5	51.3	115
120	117	118	116	121	117	85	101	90.5	69.5	85.5	76	57.8	76	67	49.9	120
125	110	111	113	113	114	83	97	88	68	82	74	56.1	73.5	65	48.5	125
130	103	104	106	107	108	81.5	94	85	66.5	79	71.5	54.9	70.5	62.5	47.1	130
135	97	98	100	100	102	80.5	91.5	83	65	76.5	69	53.7	68	60.5	45.5	135
140	91.5	92	94.5	94.5	96	79	89	81	64	74	67	52.4	65	58.4	43.8	140
150	81	82	83.5	84	85	76.5	83.5	76.5	61.5	69.5	63	50.1	60.5	54.6	40.2	150
160	72	73	74.5	75	76	73.5	77	73	59.5	65.5	59.8	47.9	56.9	51.3	36.3	160
170	64.5	65	66.5	67	68	69.5	69	69.5	57.5	61.5	56.4	46.1	53.2	48.5	31.4	170
180	57.3	57.7	59	60.5	61	63	62.5	63	55.9	58.6	53.8	44.3	49.7	45.6	24	180
190	50.9	51.3	52.4	53.9	54.6	56.2	56.1	57	54.4	55.5	51.4	42.8	46.4	40.5	16.4	190
200	45.1	45.4		48.1	48.6	50.1	50.3	51.1	51.9	51.7	49.1	41.5	43.2	33.7	10.1	200
210	39.9			42.8	43.2		44.9	45.6	47.5	46.4	46.9	40.3	40	26.7		210
220	35.3			38.1	38.5		40.3	40.9	42.5	41.7	42.4	38.8	35.4	19.6		220
230				33.9	34.2		36	36.5	37.9	37.4	38.2	36.2	27.8	14.5		230
240							32	32.5		33.5	34.1	33				240
250							28.4			29.8	30.4	29.9				250
260							25.1			26.6	27.1	27.2				260
270										23.6	24					270

TAB 181118

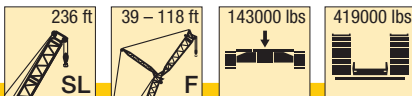
K



	SL 217															
	F 39			F 59			F 79			F 98			F 118			
	10°	15°	30°	10°	15°	30°	10°	15°	30°	10°	15°	30°	10°	15°	30°	
40	303															40
45	303	303		251												45
50	303	296		241												50
55	299	286	160	230	192		178									55
60	288	273	155	219	184		169	143		147			135			60
65	262	261	151	209	177	111	161	137		139	118		128			65
70	240	242	147	199	170	108	154	132		133	113		121			70
75	221	223	144	191	163	105	148	127	87.5	127	108		116	98.5		75
80	204	206	141	183	157	103	141	122	85	121	104		110	94		80
85	189	191	137	176	152	101	136	117	83	116	100	71	105	90.5		85
90	175	177	134	168	147	98.5	131	113	80.5	111	96	69	101	86.5		90
95	163	165	131	162	142	96	125	110	78.5	107	92.5	67	96.5	83	58.8	95
100	152	154	129	154	137	94	120	106	76.5	103	89.5	65	92.5	79.5	57	100
105	142	143	126	144	133	91.5	116	102	75	98	86.5	63.5	88.5	77	55.3	105
110	132	133	124	136	129	90	113	99.5	73.5	94.5	83.5	62	84.5	74	53.6	110
115	123	124	121	127	125	88.5	109	96.5	72	91.5	80.5	60.5	81.5	71.5	51.9	115
120	115	116	117	118	120	86.5	105	94	70.5	88.5	78	58.7	78.5	69	50.4	120
125	107	108	111	111	112	85	102	91	69	85.5	76	57.2	76	66.5	49.1	125
130	100	101	104	104	105	83.5	98	88.5	67.5	82.5	74	55.7	73.5	64.5	47.8	130
135	94.5	95	98	98	99	82	94.5	86	66.5	80	71.5	54.5	70.5	62.5	46.4	135
140	88.5	89.5	92	92	93	80.5	91.5	83.5	65	77	69.5	53.4	68	60.5	45	140
150	78	79	81	81.5	82.5	78	83.5	79.5	62.5	72.5	65.5	51.1	63.5	56.6	41.8	150
160	69	70	71.5	72	73	74.5	74.5	75	60.5	68.5	62	48.9	59.4	53	38.4	160
170	61	61.5	63.5	64.5	65	67.5	66.5	67.5	58.7	64.5	58.9	47.1	55.9	50.3	34.9	170
180	53.7	54.3	55.9	57	57.9	60	59.3	60.5	56.9	60	55.8	45.4	52.5	47.7	29	180
190	47.3	47.8	49.2	50.5	51.2	53.3	52.8	53.9	54.3	54.4	53.1	43.8	49.2	44.7	22.3	190
200	41.5	41.9	43.1	44.6	45.3	47.1	46.9	47.8	50.4	48.4	49.6	42.4	46.1	40.5	15.4	200
210	36.3	36.6		39.2	39.8	41.4	41.5	42.3	44.6	43	44.1	41.2	43	33.9		210
220	31.7	32		34.6	35.1	36.4	36.8	37.5	39.5	38.3	39.3	40.1	38.9	27.3		220
230	27.6	27.8		30.3	30.7		32.5	33.1	34.9	34	34.9	37	34.8	20.7		230
240				26.4	26.8		28.5	29.1	30.6	30	30.8	33	29.4	15.1		240
250				22.8			24.9	25.4		26.3	27.1	29	21.8	11.3		250
260				19.6			21.6	22		23.1	23.7	25.4	13.5	7.6		260
270							18.6	18.9		20.1	20.6	22				270
280										17.3	17.7					280
290										14.7						290
300										12.3						300

TAB 181118

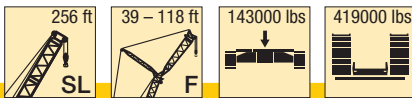
K



 ft	SL 236															 ft
	F 39			F 59			F 79			F 98			F 118			
	10°	15°	30°	10°	15°	30°	10°	15°	30°	10°	15°	30°	10°	15°	30°	
40	303															40
45	303	303														45
50	303	298														50
55	295	289	160	231	194											55
60	277	276	156	222	186		172	144		148						60
65	253	255	152	213	179	111	164	139		141	118		128			65
70	232	235	149	204	173	108	157	133		135	114		123			70
75	213	216	145	196	166	106	151	129		129	110		117	99		75
80	197	199	142	188	160	104	145	124	85	124	106		113	95		80
85	182	184	139	181	155	101	139	119	83	119	102	71	108	91.5		85
90	169	171	136	170	150	99	134	115	81	114	98	69	103	88		90
95	157	159	133	159	145	97	129	112	79	110	94.5	67.5	98.5	84.5	58.9	95
100	146	148	131	149	141	95	124	108	77.5	106	91	65.5	95	81	57.2	100
105	136	138	128	139	137	93	119	105	75.5	102	88.5	64	91	78.5	55.5	105
110	128	129	126	130	131	91	116	102	74	97.5	85.5	62.5	87.5	76	54	110
115	120	121	123	122	124	89.5	112	99	72.5	94	82.5	61	84	73	52.4	115
120	112	113	117	115	116	88	109	96.5	71	91	80	59.4	80.5	70.5	50.9	120
125	105	106	109	108	109	86.5	106	94	69.5	88.5	78	58	78	68	49.5	125
130	98	99	102	101	103	85	102	91.5	68.5	85.5	75.5	56.5	75.5	66	48.3	130
135	92	93	96	95.5	97	83.5	96.5	89	67.5	83	73.5	55.3	73.5	64	47.1	135
140	86.5	87.5	90	89.5	91	82	91	86.5	66	80	71.5	54.1	71	62.5	45.9	140
150	76	77	79	79	80.5	78.5	81	80.5	64	75.5	67.5	52	66	58.6	43.1	150
160	66.5	67.5	69.5	70	71	74	72	73.5	61.5	70.5	64	49.9	61.5	55.1	39.9	160
170	58.2	59.1	61	61.5	63	65.5	64	65.5	59.8	65	61	47.8	58.3	51.9	36.7	170
180	51.1	51.9	53.7	54.4	55.4	58	56.8	58.1	58	58.2	58.2	46.2	55	49.4	33.1	180
190	44.7	45.4	47	47.8	48.8	51.1	50.2	51.4	53.8	51.7	53.1	44.7	51.1	46.9	27.6	190
200	38.9	39.5	40.9	41.9	42.8	44.8	44.2	45.3	48.1	45.7	47.1	43.2	46.4	44.1	21	200
210	33.7	34.2	35.4	36.6	37.4	39.2	38.8	39.8	42.4	40.3	41.6	41.8	41	40.3	14.5	210
220	29.1	29.6	30.6	32	32.6	34.2	34.1	35	37.3	35.5	36.7	39	36.3	34.3	9.4	220
230	25	25.4		27.7	28.3	29.6	29.8	30.6	32.6	31.2	32.3	35	32	28.3		230
240	21.2	21.5		23.8	24.3	25.4	25.8	26.6	28.3	27.2	28.2	30.7	28	22.3		240
250	17.7			20.2	20.6		22.2	22.8	24.4	23.6	24.5	26.7	24.4	16.4		250
260	14.5			17	17.3		18.9	19.5	20.8	20.3	21.1	23.1	21.1	12.8		260
270				14	14.3		15.9	16.4		17.3	18	19.7	15.6	9.3		270
280							13.1	13.5		14.4	15.1	16.6				280
290										11.8	12.4					290
300										9.5	10					300
310											7.7					310

TAB 181118

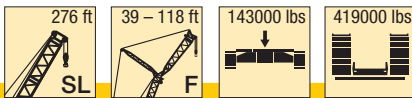
K



 ft	SL 256															 ft
	F 39			F 59			F 79			F 98			F 118			
	10°	15°	30°	10°	15°	30°	10°	15°	30°	10°	15°	30°	10°	15°	30°	
45	301	269														45
50	294	263														50
55	283	256	159	207												55
60	268	250	155	201	181		164									60
65	244	243	152	195	176	110	159	137		136			123			65
70	224	226	148	190	171	108	154	132		132			120			70
75	206	209	145	184	166	105	149	128		127	109		115	97.5		75
80	190	193	142	179	161	103	144	124	84.5	123	105		111	94		80
85	176	178	139	175	156	101	139	120	82.5	118	101	70.5	107	90.5		85
90	164	166	137	165	152	99	134	116	80.5	113	98	68.5	102	87.5		90
95	152	154	134	154	147	97	130	112	79	109	94.5	67	98	84.5	58.4	95
100	142	143	131	144	142	95	126	109	77	106	91.5	65.5	94.5	81.5	56.8	100
105	132	134	129	134	137	93.5	121	106	75.5	102	88.5	64	91.5	78.5	55.2	105
110	124	125	127	126	128	92	117	103	74	99	86	62.5	88.5	76	53.8	110
115	116	117	121	118	120	90	114	100	72.5	95.5	83.5	61	85	73.5	52.3	115
120	108	110	114	111	113	88.5	110	97	71	92	81	59.5	82	71.5	50.9	120
125	102	103	107	104	106	87	105	95	70	89.5	78.5	58.2	79	69	49.5	125
130	95.5	96.5	100	97.5	99.5	86	98.5	92.5	68.5	87	76.5	56.9	77	66.5	48.3	130
135	89.5	91	94.5	92	93.5	84.5	93	90	67.5	84.5	74.5	55.6	74.5	65	47.2	135
140	84.5	85.5	88.5	86.5	88.5	83	88	87.5	66.5	82	73	54.4	72.5	63	46.1	140
150	74.5	75.5	78	77	78.5	79	78	80	64.5	76.5	69	52.3	68	59.7	43.6	150
160	65.5	66.5	68.5	68	69.5	73	69.5	71	62	69.5	65.5	50.4	63.5	56.3	40.8	160
170	57	57.9	60	60	61.5	64.5	61.5	63	60.5	62	62.5	48.5	59.6	53	37.5	170
180	49.8	50.7	52.6	53	54.1	56.9	55	56.4	58.2	55.4	56.8	46.8	54.6	50.4	34.3	180
190	43.4	44.2	45.9	46.5	47.5	49.9	48.6	49.9	53.3	49.4	51	45.3	49.1	48.1	30	190
200	37.7	38.3	39.9	40.6	41.5	43.7	42.7	43.9	46.9	43.8	45.3	43.9	43.7	45.1	24.7	200
210	32.5	33.1	34.4	35.3	36.1	38.1	37.3	38.4	41.1	38.7	40	42.5	38.7	40.4	18.5	210
220	28	28.5	29.6	30.6	31.4	33.1	32.6	33.6	36.1	33.9	35.2	38.2	34.4	35.9	12.3	220
230	23.8	24.3	25.3	26.4	27.1	28.6	28.3	29.2	31.5	29.6	30.8	33.7	30.2	31.7		230
240	20	20.4		22.5	23.1	24.4	24.4	25.2	27.2	25.6	26.7	29.4	26.4	27.4		240
250	16.5	16.9		18.9	19.4	20.6	20.7	21.5	23.3	22	23	25.4	22.7	22.8		250
260	13.4	13.7		15.7	16.2	17.1	17.5	18.2	19.7	18.7	19.6	21.8	19.4	17.1		260
270	10.6	10.8		12.7	13.1		14.5	15.1	16.4	15.7	16.5	18.5	16.4	13.3		270
280				10	10.3		11.7	12.2	13.4	12.9	13.7	15.4	13.6	10.1		280
290								9.6		10.3	11	12.5				290
300								7.2		8	8.5	9.9				300

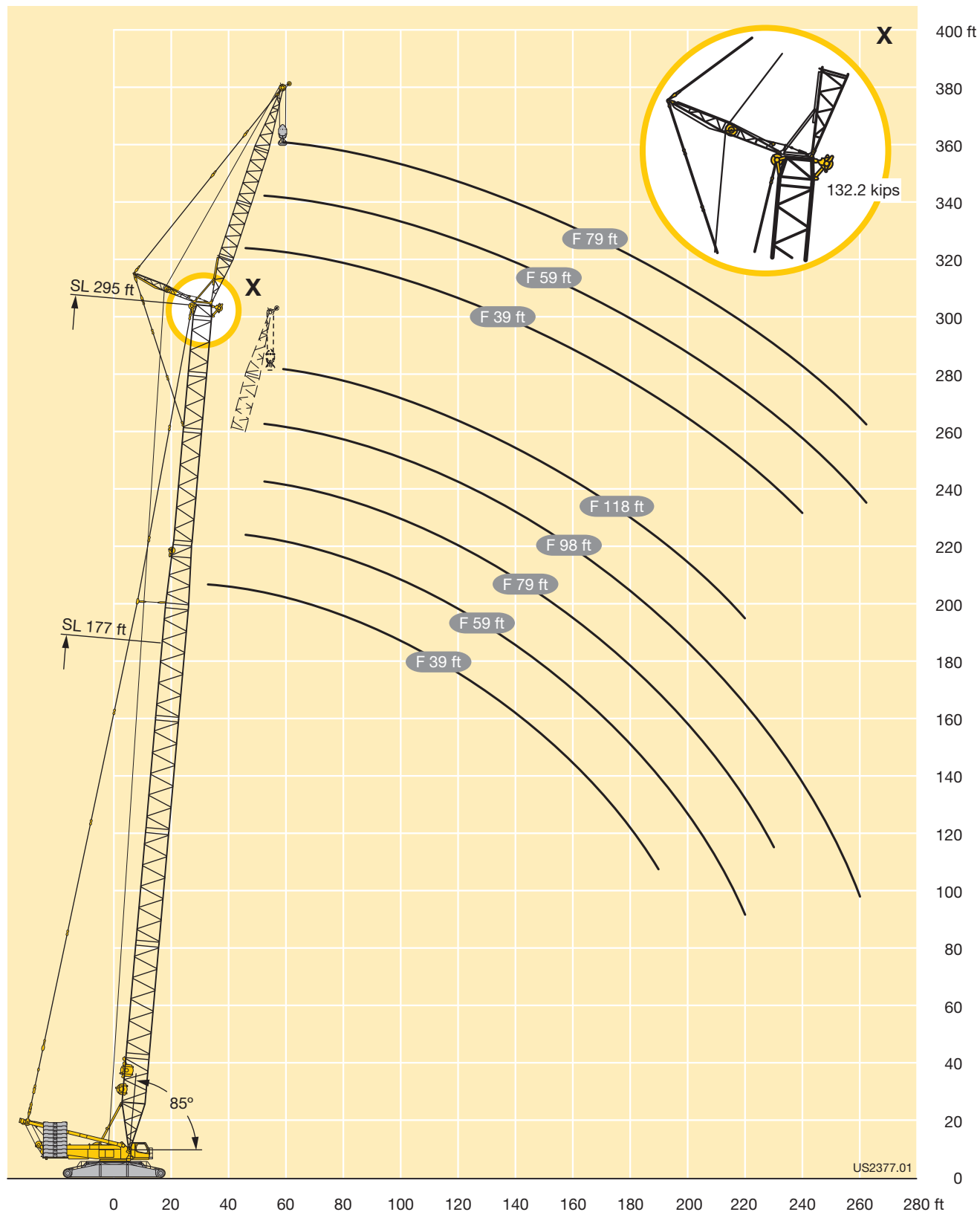
TAB 181118

K



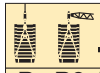
 ft	SL 276															SL 295												 ft
	F 39			F 59			F 79			F 98			F 118			F 39			F 59			F 79						
	10°	15°	30°	10°	15°	30°	10°	15°	30°	10°	15°	30°	10°	15°	30°	10°	15°	30°	10°	15°	30°	10°	15°	30°				
45	301	270														294									45			
50	295	265														289									50			
55	280	259		209												274	257		207						55			
60	258	252	157	203	182		165									249	249	157	203	182		164			60			
65	235	237	153	198	178		161	138		138			124			227	230	154	198	179		160	139		65			
70	216	218	150	194	174		156	134		134			120			208	211	151	194	175		157	135		70			
75	198	201	147	189	169	106	151	130		129	110		116	98.5		191	194	148	188	171	106	153	131		75			
80	182	185	144	182	164	104	147	126	84.5	125	106		112	95		176	179	146	178	166	104	148	127		80			
85	169	171	141	171	159	102	142	122	83	120	103		108	91.5		162	165	143	165	162	102	144	124	83	85			
90	156	159	138	159	155	100	137	118	81	116	99.5		104	88.5		150	153	140	153	154	101	140	120	81.5	90			
95	145	147	136	148	148	98	133	115	79.5	112	96.5	67.5	100	86		140	142	138	142	145	99	135	117	80	95			
100	135	137	134	137	140	96	129	111	78	108	93	65.5	96.5	83	57	130	132	134	132	135	97	131	113	78.5	100			
105	126	127	131	128	131	94.5	125	108	76	105	90.5	64.5	93.5	80	55.6	120	122	128	123	126	95.5	124	110	77	105			
110	117	119	123	120	122	93	120	105	74.5	102	88	63	90.5	77.5	54.1	112	114	119	115	117	94	116	108	75.5	110			
115	109	111	116	112	114	91	113	102	73.5	98	85.5	61.5	87.5	75	52.8	105	106	111	107	110	92.5	108	105	74	115			
120	102	104	108	105	107	89.5	106	99.5	72	95	83	60	84.5	73	51.4	97.5	99	104	100	102	90.5	101	102	72.5	120			
125	95.5	97	101	98	100	88	99.5	97	71	91.5	80.5	58.8	82	71	50.1	91	92.5	96.5	93.5	95.5	89	95	97.5	71.5	125			
130	89.5	91	94.5	92	94	87	93.5	94.5	69.5	89.5	78	57.6	79	68.5	48.8	85	86.5	90.5	87.5	89.5	88	89	91.5	70.5	130			
135	84	85.5	89	86.5	88.5	85.5	88	90	68.5	86	76.5	56.4	76.5	66.5	47.7	79.5	81	84.5	82	84	85	83.5	86	69	135			
140	78.5	80	83.5	81	83	84	82.5	84.5	67.5	81.5	74.5	55.2	74.5	64.5	46.7	74.5	75.5	79.5	77	78.5	81.5	78.5	80.5	68	140			
150	69	70	73.5	71.5	73	77.5	73	75	65.5	73	71	53	70	61.5	44.5	64.5	66	69.5	67.5	69	73.5	69	71	66	150			
160	60.5	61.5	64	63	64.5	68	64.5	66	63.5	64.5	66.5	51.2	64	58.1	42.2	56.3	57.4	60.5	58.8	60.5	64.5	60.5	62	63.5	160			
170	52.8	53.8	56.3	55.2	56.5	60	56.6	58.3	61.5	57.1	59.2	49.4	56.8	55	39.2	48.8	49.8	52.5	51.3	52.7	56.3	52.7	54.5	59	170			
180	46.1	47	49.2	48.5	49.8	52.9	50	51.6	55.3	50.5	52.4	47.6	50.3	51.4	36.1	42.2	43.2	45.6	44.7	46	49.3	46.2	47.8	52.1	180			
190	39.8	40.6	42.6	42.5	43.6	46.5	43.9	45.4	49.1	44.5	46.3	46.1	44.4	46.5	33.1	36.3	37.2	39.4	38.7	39.9	42.9	40.2	41.7	45.7	190			
200	34	34.8	36.5	36.9	37.9	40.5	38.4	39.8	43.2	39.1	40.7	43.8	39	40.9	29.2	30.9	31.7	33.7	33.2	34.3	37.1	34.7	36.1	39.8	200			
210	28.8	29.4	31	31.7	32.6	34.9	33.4	34.6	37.8	34.1	35.6	39.5	34.1	35.9	23.4	25.9	26.7	28.5	28.2	29.2	31.8	29.7	31	34.4	210			
220	24.2	24.8	26.2	27	27.9	29.9	28.9	30.1	33	29.6	31.1	34.7	29.7	31.4	17.6	21.6	22.2	23.9	23.8	24.7	27.1	25.3	26.5	29.6	220			
230	20.1	20.6	21.8	22.8	23.5	25.4	24.7	25.8	28.4	25.5	26.9	30.2	25.6	27.2	11.8	17.5	18.1	19.5	19.7	20.6	22.7	21.2	22.3	25.2	230			
240	16.2	16.7	17.8	18.8	19.5	21.2	20.8	21.8	24.1	21.8	23	26.1	21.9	23.4		13.7	14.2	15.5	16	16.8	18.6	17.4	18.4	21	240			
250	12.7	13.2	14	15.2	15.9	17.3	17.2	18	20.1	18.2	19.4	22.2	18.4	19.8			10.7	11.8	12.5	13.2	14.9	13.9	14.8	17.2	250			
260	9.6	10	10.7	12	12.6	13.8	13.9	14.7	16.5	15.1	16.1	18.7	15.3	16.6			7.5	8.4	9.3	10	11.5	10.7	11.6	13.8	260			
270				9	9.5	10.6	10.9	11.6	13.2	12.1	13.1	15.4	12.4	13.6							8.3		8.6	10.6	270			
280									10.1	9.3	10.2	12.3	9.7	10.8											280			

TAB 181118



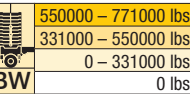
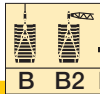
HSL2DFB/B2/BW

HSL2 236 - 335



550000 - 771000 lbs
331000 - 550000 lbs
0 - 331000 lbs
0 lbs

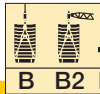
ft		SL2 236					SL2 256					SL2 276					SL2 295					SL2 315					SL2 335					
		39	59	79	98	118	39	59	79	98	118	39	59	79	98	118	39	59	79	98	118	39	59	79	98	118	39	59	79	98	118	
45	- B B2 BW	302					302																									
		302					302																									
		302					302																									
		302					302																									
50	- B B2 BW	302					302																									
		302					302																									
		302					302																									
		302					302																									
55	- B B2 BW	296	228				292					288					278					269										
		302	236				302					302					302					302										
		302	236				302					302					302					302										
		302	236				302					302					302					302										
60	- B B2 BW	281	227				271	228				262	228				252	223				244							234			
		302	227				302	228				302	228				302	223				301						294				
		302	226				302	228				302	228				301	222				301						289				
		302	226				302	228				302	227				301	223				301						290				
65	- B B2 BW	256	217	173	152		247	221	175			238	223	178			229	216				222	213					213	205			
		302	217	173	152		302	221	176			302	223	178			302	217	175			297	213				290	210				
		302	217	172	152		302	221	175			302	222	177			296	217	175			297	213				283	209				
		302	217	172	152		302	221	175			302	223	177			297	218	175			296	213				284	209				
70	- B B2 BW	235	207	166	146		226	212	169			218	216	172			209	204	169			203	203					194	194			
		302	207	166	146		302	212	169			302	216	172			297	213	171			291	210				285	207				
		302	207	166	146		302	212	169			302	216	171			288	212	171			292	210				276	205				
		302	207	166	146		302	212	169			302	217	171			289	212	171			291	210				277	205				
75	- B B2 BW	216	198	159	140	127	208	203	163	142	129	200	204	165	144	131	192	192	166	145		186	191	167	142			178	183	164		
		299	199	159	140	127	299	203	163	142	129	298	210	165	144	131	291	209	166	145		286	206	167	144			279	204	165		
		300	198	159	140	127	299	203	162	142	129	298	210	165	144	130	280	206	166	145		286	206	166	144			270	201	164		
		300	198	159	140	127	299	203	162	142	129	299	210	165	144	130	280	206	166	145		286	206	166	144			270	201	164		
80	- B B2 BW	199	190	153	134	121	191	193	156	136	123	184	189	159	139	125	176	181	161	140	126	170	176	163	141	126	163	169	158	141	125	
		294	191	153	134	121	293	195	156	136	123	292	204	159	139	126	284	204	161	140	126	282	202	163	141	126	275	201	161	141	125	
		294	190	152	134	121	294	195	156	136	123	292	204	159	139	125	272	200	161	140	126	280	202	163	141	126	263	196	160	140	125	
		294	190	153	134	121	294	196	156	137	123	293	204	159	138	125	272	200	161	140	126	280	203	163	141	126	264	196	160	140	125	
85	- B B2 BW	184	183	146	128	116	177	180	150	131	118	170	174	153	134	120	162	167	156	135	122	157	162	157	137	123	150	155	153	138	122	
		283	183	146	128	116	286	188	150	131	118	286	197	153	134	121	277	199	156	135	122	277	199	158	137	123	269	197	158	138	122	
		284	183	146	128	116	287	188	149	131	118	286	197	153	133	120	264	194	156	135	122	273	199	157	137	123	257	191	156	137	122	
		284	183	146	128	116	287	188	149	131	118	287	197	153	133	120	264	194	156	135	122	274	199	158	137	123	258	191	156	137	122	
90	- B B2 BW	170	173	141	123	111	164	167	144	126	114	167	162	148	129	115	150	155	149	130	117	145	150	150	133	119	138	144	144	133	120	
		273	176	141	123	111	278	181	144	126	114	280	190	148	129	116	268	193	150	131	117	273	194	153	133	119	262	193	154	134	120	
		273	176	141	123	111	278	181	144	126	114	280	190	148	129	116	268	193	150	131	117	273	194	153	133	119	262	193	154	134	120	
		273	176	141	123	111	279	181	144	126	114	280	190	147	128	116	267	189	150	131	117	267	195	153	133	119	252	187	153	133	119	
95	- B B2 BW	158	162	135	118	107	152	156	139	121	109	145	150	142	124	111	139	144	143	126	113	134	139	142	128	115	127	133	136	128	116	
		262	170	135	118	107	269	175	139	121	109	273	184	143	124	112	260	187	146	126	113	269	189	148	128	115	256	190	150	130	116	
		262	170	135	118	107	269	175	139	121	109	273	183	143	124	111	249	184	144	126	113	260	189	148	128	115	245	182	149	129	116	
		263	170	135	118	107	270	175	139	121	109	273	183	142	124	111	250	185	145	126	113	260	190	148	128	115	246	182	149	129	116	
100	- B B2 BW	147	151	130	113	102	141	145	134	116	105	135	140	137	120	107	129	134	136	122	109	124	129	132	124	111	117	123	126	123	112	
		252	164	130	114	102	261	169	134	117	105	266	177	138	120	108	253	181	141	122	109	264	184	144	124	111	249	186	146	126	113	
		252	164	130	113	102	261	169	134	117	105	266	177	138	120	107	243	179	140	121	109	253	184	143	124	111	239	178	145	125	112	
		252	164	130	114	102	261	169	134	117	105	266	177	138	120	107	243	180	140	122	109	254	185	144	124	111	240	178	145	125	112	
105	- B B2 BW	137	141	126	109	98.2	131	135	129	112	101	125	130	133	116	103	119	124	127	118	105	114	120	122	119	107	108	114	117	118	108	
		243	159	126																												



ft		SL2 236					SL2 256					SL2 276					SL2 295					SL2 315					SL2 335					
		39	59	79	98	118	39	59	79	98	118	39	59	79	98	118	39	59	79	98	118	39	59	79	98	118	39	59	79	98	118	
160	-	67.3	71	74.3	75.5	66.9	62.5	66.3	69.8	71.6	68.9	57.5	62.4	65.3	67.2	67.2	52.7	57.7	60.7	62.7	62.8	48.8	53.9	57.1	59.2	59.2	43.6	49	52.3	54.5	54.7	
	B	175	115	90.1	76.3	66.9	184	120	93.8	79.4	69.4	192	126	97	82.3	71.8	180	130	100	84.5	73.9	193	135	103	87.1	76.7	186	138	106	89.8	78.8	
	B2	174	115	89.4	76.1	66.9	183	120	93.4	79.3	69.2	192	126	96.9	82.2	71.7	177	129	100	84.5	73.8	189	134	103	87.3	76.5	182	137	105	89.7	78.7	
170	-	58.6	62.7	66.2	67.8	62.8	54.5	58.3	61.8	63.6	63.6	49.6	54.4	57.3	59.3	59.4	44.9	49.8	52.8	54.9	55.1	41	46.1	49.3	51.4	51.6	36	41.3	44.6	46.9	47.1	
	B	167	109	85.8	71.8	62.8	174	114	89.2	74.9	65.4	183	121	92.2	78	68.1	173	124	94.9	80.5	69.8	183	128	98.3	82.9	72.2	176	132	101	85	74.2	
	B2	167	109	85.4	71.8	62.8	174	114	88.9	74.8	65.3	182	121	91.8	77.9	68	171	123	95.2	80.4	69.8	181	128	98.2	83.1	72.1	173	131	101	85.2	74.2	
180	-	51.1	55.2	58.7	60.8	59.3	47.6	51.3	54.8	56.7	56.9	42.7	47.4	50.3	52.3	52.6	38.1	42.9	46	48.1	48.4	34.3	39.3	42.4	44.6	44.9	29.3	34.5	37.8	40.2	40.5	
	B	159	105	81.5	68.4	59.3	167	109	85.1	71.2	61.6	175	115	88.3	74.1	64.4	167	119	90.4	76.4	66.3	173	123	93.7	79.2	68.7	166	126	96.8	81.5	70.5	
	B2	159	105	81.4	68.3	59.2	167	109	85	71.1	61.4	174	116	88	73.7	64.3	165	118	90.7	76.6	66.3	175	123	93.7	79.1	68.6	167	125	96.5	81.3	70.5	
190	-	44.4	48.4	51.9	54.1	54.5	41.2	44.8	48.3	50.3	50.7	36.5	41	44	46	46.4	31.9	36.6	39.7	41.8	42.2	28.1	33	36.2	38.4	38.8	23.2	28.3	31.6	34	34.4	
	B	153	100	77.8	65.1	56.1	160	104	81.3	67.9	58.4	168	111	84.5	70.7	61	159	114	86.6	72.8	62.8	168	118	98.6	75.3	65.4	161	121	92.4	77.9	67.1	
	B2	152	100	77.8	64.8	56	160	104	81.1	67.8	58.3	167	111	84.3	70.3	60.9	159	114	86.9	72.9	62.8	169	118	98.7	75.1	65.2	162	121	92.1	77.5	67.1	
200	-	38.3	42.3	45.7	47.9	48.8	35.3	39	42.5	44.5	45	30.7	35.2	38.1	40.3	40.8	26.3	30.9	33.9	36.1	36.6	22.5	27.3	30.5	32.7	33.2	17.6	22.7	26	28.4	28.9	
	B	146	96.3	74.5	61.9	53.2	154	100	77.7	64.8	55.6	161	106	81	67.6	57.9	153	109	83.3	69.5	59.7	162	114	86	71.8	62.1	155	117	88.5	74.2	64	
	B2	146	96.2	74.4	61.7	53.1	153	101	77.5	64.7	55.5	161	106	80.7	67.3	57.8	154	109	83.5	69.6	59.5	164	113	86.1	71.5	61.9	157	117	88.2	74	63.9	
210	-	32.8	36.7	40.1	42.3	43.2	29.8	33.7	37.1	39.2	39.7	25.5	29.9	32.8	35	35.5	21.1	25.7	28.7	30.9	31.5	17.4	22.1	25.2	27.5	28.1	17.5	20.8	23.2	23.8		
	B	141	92.2	71.5	59.3	50.2	148	96.6	74.7	61.8	53	155	102	77.6	64.7	55.3	149	105	79.9	66.7	57	157	109	82.8	69	58.9	150	113	85.3	70.7	60.9	
	B2	141	92.4	71.4	59	50.1	147	96.6	74.4	61.6	52.8	155	102	77.2	64.4	55.2	150	105	80.2	66.8	56.8	159	109	82.9	68.7	58.8	151	113	85.2	70.6	60.5	
220	-	28.1	31.8	35.2	37.3	38.3	24.9	28.8	32.2	34.5	35	20.9	25.2	28.1	30.3	30.9	16.6	21	24	26.2	26.9	12.9	17.5	20.5	22.9	23.5	12.9	16.1	18.6	19.2		
	B	136	89	68.5	56.9	46.1	143	93.1	71.9	59.3	50.3	150	98.7	74.8	61.8	52.8	145	102	76.8	63.9	54.6	153	105	79.7	66.3	56.5	145	108	82.3	68.2	58.3	
	B2	136	89.3	68.3	56.7	45.9	142	92.9	71.6	59.2	49.9	149	98.3	74.5	61.5	52.5	146	102	77.1	64	54.3	155	105	79.6	66	56.4	148	109	82.2	68.1	58.2	
230	-	23.7	27.3	30.6	32.8	33.8	20.5	24.3	27.7	30	30.7	16.7	20.8	23.7	25.9	26.6			16.7	19.6	21.9	22.6			16.2	18.6	19.3		14.3	15		
	B	131	85.9	66	54.5	41.8	138	89.9	69.2	57	46.6	145	95.3	72	59.3	50	142	98.2	74.1	61.3	52.1	149	102	76.8	63.7	54.2	142	105	79.2	65.7	55.9	
	B2	131	86.2	65.7	54.3	41.5	138	89.8	68.9	56.8	46.2	144	94.8	71.8	59.1	49.6	143	97.9	74.4	61.3	51.8	151	101	76.7	63.4	54.1	144	105	79.1	65.6	55.9	
240	-		23.2	26.5	28.6	29.7	16.4	20.1	23.6	25.8	26.7		16.8	19.6	21.8	22.6			15.6	17.9	18.6			14.6	15.3							
	B		83.1	63.7	52.3	37.5	133	87.1	66.6	54.7	42.5	140	92.1	69.4	57	46.8	139	94.8	71.7	58.9	49.4	146	98.7	74.2	61.2	51.9	138	102	76.4	63.3	53.7	
	B2		83.2	63.5	52.2	37.1	133	86.9	66.4	54.4	42.1	139	91.7	69.1	56.9	46.1	140	94.5	71.9	59	49.1	147	98.2	74.1	60.9	51.7	140	102	76.3	63	53.8	
250	-		22.6	24.8	25.8			16.3	19.8	21.9	23			15.8	18	18.9																
	B		61.4	50.3	32.9			84.4	64.4	52.5	38.5	135	89.1	66.9	54.9	43	137	91.7	69.2	56.9	45.3	143	95.5	71.8	58.9	49.6	135	98.6	74	60.8	51.5	
	B2		61.3	50.3	32.4			84.1	64.2	52.1	38	134	89.1	66.5	54.8	42.1	137	91.3	69.3	56.9	46.8	144	95.1	71.8	58.6	49.3	137	98.5	73.9	60.6	51.6	
260	-		19.1	21.5	22.1			12.8	16.2	18.6	19.6			12.4	14.6	15.5																
	B		59.6	48.4	24.2			81.6	62.3	50.7	34.4	130	86.5	64.9	52.7	39.3	135	89.3	66.9	54.9	42.4	140	92.6	69.6	57	46.5	133	95.7	71.9	58.8	49.4	
	B2		59.7	48.5	23			81.6	62	50.5	33.9	130	86.5	64.6	52.6	38.1	134	88.8	67	54.8	42	140	92.3	69.5	56.7	46.1	134	95.3	71.6	58.6	49.1	
270	-		59.6	48.4	23.4			81.9	62.3	50.6	34.3	131	86.2	64.9	53	39.3	135	89.3	67	54.8	42.2	140	92.6	69.5	57	46.4	134	95.3	72.1	58.8	49.1	
	B			18.3					12.9	15.4	16.4																					
	B2			46.7					60.4	49	27																					
280	-								58.7	47.3	18.1																					
	B								58.7	47.2																						
	B2								58.6	47.4																						
290	-																															
	B									45.7																						
	B2									45.8																						
300	-									44.3																						

HSL2DFB/B2/BW

HSL2 354 - 453



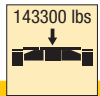
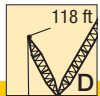
550000 - 771000 lbs
331000 - 550000 lbs
0 - 331000 lbs
0 lbs

ft		SL2 354					SL2 374					SL2 394					SL2 413					SL2 433					SL2 453	
		39	59	79	98	118	39	59	79	98	118	39	59	79	98	118	39	59	79	98	118	39	59	79	98	118	39	59
60	- B2 BW	225 282 283					218 262 262																					
65	- B2 BW	204 279 279	201 205 205				199 259 260					190 241 230					184 219 217					180 193 193					167 168 169	
70	- B2 BW	186 276 275	190 203 202				181 257 257					176 239 230					170 218 215					167 192 193					155 167 167	
75	- B2 BW	170 270 270	176 200 199	161 161 161			166 254 254	172 190 190				160 237 230	167 181 181				155 216 213	157 167 167				152 191 191	143 154 155			146 165 166		
80	- B2 BW	156 269 265	162 197 196	156 159 158	138 138 138		152 252 251	158 188 188	151 153 153	130 130 130		147 235 230	153 146 146	145 147 147			142 215 211	147 166 165	136 137 137			139 189 190	145 153 154	126		134 164 164		
85	- B2 BW	143 260 260	149 194 192	150 156 156	135 135 135	120 120 120	139 250 247	145 185 186	147 151 150	128 128 128	116 116 116	134 234 230	141 177 175	142 145 145	123 123 122	112 112 112	130 212 208	135 164 163	133 135 135	118 118 118	104 104 104	127 187 188	133 153 153	125 125 125	109 109 109	122 162 163		
90	- B2 BW	131 261 255	138 191 189	150 153 153	133 133 133	118 118 118	128 246 244	134 183 183	137 149 148	126 126 126	115 115 114	123 231 231	133 175 176	143 143 143	122 122 122	110 110 110	108 206 206	115 134 134	126 134 134	117 117 117	103 103 103	117 117 117	122 122 122	108 108 108	112 160 161	133 133 133		
95	- B2 BW	121 257 250	127 188 186	130 150 150	116 116 116	116 116 116	117 244 240	124 181 181	146 146 146	125 125 124	113 113 113	122 229 228	141 174 174	120 120 120	108 108 108	106 106 106	204 207 204	159 161 159	132 132 132	115 115 115	102 102 102	184 184 184	151 151 151	123 123 123	107 107 107	94.6 94.6 94.6		
100	- B2 BW	111 253 245	117 185 183	120 147 147	112 112 112	112 112 112	108 241 236	114 178 178	144 144 144	123 123 123	111 111 111	104 227 227	114 172 172	118 118 118	107 107 107	105 105 105	205 205 205	160 160 160	131 131 131	114 114 114	100 100 100	181 181 181	148 148 148	122 122 122	106 106 106	93.6 93.6 93.6		
105	- B2 BW	102 249 241	108 182 178	111 145 144	124 124 124	110 110 110	98.9 237 232	105 176 175	142 142 142	121 121 121	109 109 109	95.2 225 222	102 138 138	117 117 117	105 105 105	103 103 103	91.8 202 199	97.1 159 155	129 129 129	113 113 113	98.9 98.9 98.9	179 179 179	149 149 149	121 121 121	105 105 105	85.5 85.5 85.5		
110	- B2 BW	94.2 243 236	100 179 175	103 141 140	103 103 103	91.1 91.1 91.1	97.3 234 227	101 174 172	140 140 140	119 119 119	107 107 107	87.5 223 221	93.8 168 167	97.3 136 136	97.7 115 115	97.7 104 104	84.2 200 196	89.5 157 152	93 128 126	95 111 111	92.6 97.8 97.8	82.6 178 179	87.9 147 147	90.2 119 119	92.2 104 104	89.2 91.4 91.4	78.2 153 154	
115	- B2 BW	86.7 238 231	92.7 176 171	96 137 136	97.8 117 117	97.8 105 105	87.7 230 224	89.9 172 169	93.4 138 138	106 106 106	105 105 105	80.3 220 217	86.6 166 165	90 134 134	90.7 114 114	91.3 102 102	77.1 197 194	82.4 154 150	85.9 127 125	88 108 108	87.3 96.6 96.6	75.6 178 178	80.9 146 146	83.2 118 118	85.3 103 103	84.4 90.5 90.5	71.3 152 153	
120	- B2 BW	79.7 234 227	85.7 173 168	89.1 133 133	91 114 114	90.3 102 102	76.9 226 220	83.1 170 166	87.3 136 135	105 105 105	87.9 105 105	73.5 216 213	79.8 165 162	83.3 132 132	84.1 112 112	84.7 101 101	70.5 194 192	75.7 152 148	79.3 125 123	81.4 108 108	80.8 95.4 95.4	69.1 177 177	74.4 144 144	76.7 118 118	78.8 102 102	64.9 151 151		
125	- B2 BW	73.2 229 222	79.2 169 165	82.6 129 129	84.5 111 111	84 98.5 98.4	70.5 222 216	76.6 167 162	80.1 133 133	101 101 101	81.7 101 101	67.2 212 210	73.4 163 160	77 131 130	77.8 99.3 99.3	78.6 109 109	64.3 189 189	69.5 145 145	73.1 121 121	75.3 105 105	74.8 92.7 92.7	63 173 173	68.2 140 140	70.6 115 115	72.8 101 101	72.3 88.9 88.9	59 123 123	
130	- B2 BW	67.3 225 218	73.2 165 161	76.6 126 126	78.6 108 108	78.3 95.6 95.7	64.6 218 213	70.7 165 160	74.2 131 130	75.2 109 109	76 98.9 98.9	61.4 210 208	67.6 161 158	71.2 130 128	72.1 97.7 97.6	73 189 186	58.6 148 143	63.8 122 119	67.4 106 103	69.7 93 91.1	69.3 173 171	57.4 144 139	62.6 114 114	64.9 99.9 99.9	67.2 87.7 87.7	66.8 149 147	53.5 121 121	
135	- B2 BW	61.9 220 214	67.8 161 158	71.2 123 123	73.3 106 105	73 93.1 93.1	59.3 215 209	65.3 162 157	68.9 129 127	69.9 106 106	70.8 96.8 96.6	51.1 207 204	57.2 158 155	60.8 128 126	61.8 107 106	62.9 96.2 95.9	48.5 146 141	53.5 120 117	57.2 104 102	59.5 91.8 89.6	59.3 169 167	47.4 138 135	52.5 111 112	54.8 98.3 96.5	57.2 85.9 85.2	43.6 145 146	118 118 118	
140	- B2 BW	56.7 215 209	62.5 157 155	65.9 120 120	68.1 103 102	67.9 90.4 90.4	54.1 211 205	60.1 159 154	63.7 126 125	64.8 104 103	65.8 94.7 94.3	51.1 204 202	57.2 156 153	60.8 124 124	61.8 104 104	62.9 94.6 94.3	48.5 143 139	53.5 119 115	57.2 103 100	59.5 90.6 88.1	59.3 169 167	47.4 138 135	52.5 111 111	54.8 98.3 96.5	57.2 85.9 85.2	43.6 145 144	118 118 118	
145	- B2 BW	47.1 204 200	52.9 150 149	56.3 115 114	58.6 107 107	58.6 85.6 85.6	44.7 202 198	50.7 154 149	54.2 120 119	55.4 99.3 98.4	56.6 90.8 89.9	41.8 198 194	47.4 152 148	51.4 121 120	52.6 100 100	53.8 91.2 90.9	39.3 178 176	44.3 139 135	47.9 115 111	50.4 100 96.6	50.3 87.9 85	38.3 165 162	43.4 134 131	45.7 108 108	48.2 93.6 93.6	48.1 140 140	34.7 115 115	
150	- B2 BW	38.6 194 192	44.3 143 142	47.7 109 109	50.1 92.7 92.5	50.2 81.1 81.1	36.3 191 190	42.2 148 144	45.7 114 114	47 94.7 93.8	48.3 86.2 85.6	33.5 189 188	39.5 147 143	43 117 116	44.2 96.5 95.9	45.6 87.4 87.2	31.1 172 170	36 135 130	39.6 111 108	42.1 97.1 93.3	42.2 85 82.1	30.2 161 158	35.2 131 127	37.5 108 105	40.1 94.1 90.9	26.7 138 136	112 112 112	
155	- B2 BW	31 183 183	36.6 137 137	40.1 104 104	42.5 92.7 92.7	42.7 81.2 81.2	28.8 180 180	34.6 142 142	38.1 109 109	39.4 90.2 89.9	40.9 78 77.1	32 178 178	35.5 143 138	38.3 112 111	39.8 97.7 97.7	42.8 83.6 83.6	23.8 165 165	28.6 126 126	32.2 104 104	34.8 90.4 88.1	35 82.1 82.1	27.8 153 153	32.8 124 124	30.2 102 102	32.8 88.4 88.4	19.5 133 133	109 109 109	
160	- B2 BW	24.4 174 173	29.9 131 131	33.3 99.6 99.6	35.8 84 84	36.2 72.7 72.7	22.3 173 173	27.9 137 133	31.4 105 105	32.9 85.7 85.3	34.5 77.1 77.1	19.7 137 137	25.4 108 108	28.9 97.7 97.7	30.2 87.8 87.8	31.8 79.7 79.7	17.4 157 157	22.1 126 122	25.7 104 104	28.3 90.4 88.1	28.6 79.1 79.1	16.6 148 148	21.4 124 124	23.8 102 102	26.3 92.2 92.2	26.6 130 130	106 106 106	
165	- B2 BW	18.4 169 171	23.8 126 125	27.7 95.8 95.8	30.7 80.3 80.3	30.7 69.3 69.3	16.3 166 170	21.8 131 128	25.3 102 101	26.7 82.2 81.7	28.4 73.8 73.6	19.3 166 169	22.9 132 129	25.4 104 103	27.8 87.8 87.8	29.9 75.8 75.5	16.1 152 154	19.7 121 118	22.3 101 97.5	25.7 84.1 84.6	27.7 73.1 74.3	15.5 136 144	17.8 113 117	20.4 95.5 96.1	20.8 83.3 83.3	118 126 124	103 103 103	
170	- B2 BW	169 171 171	126 125 125	95.8 95.5 95.5	80.1 80.1 80.1	69.3 69.3 69.3	166 170 170	131 128 128	101 101 101	82 82 81.7	73.8 73.6 73.6	166 169 169	132 129 129	104 103 103	84.2 83.8 83.8	75.9 75.5 75.5	152 154 154	121 118 118	97.2 97.5 97.5	82.1 84.4 84.6	73.1 74.2 74.3	141 144 144	111 109 109	92.6 90.4 90.3	80.7 78.3 78.3	70.6 73 73	118 115 116	
175	- B2 BW	159 161 161	117 121 121	88 91.6 91.5	73.3 76.7 76.6	73.17																						

TAB 181450 / 181452 / 181456

HSL2DFB/B2/BW

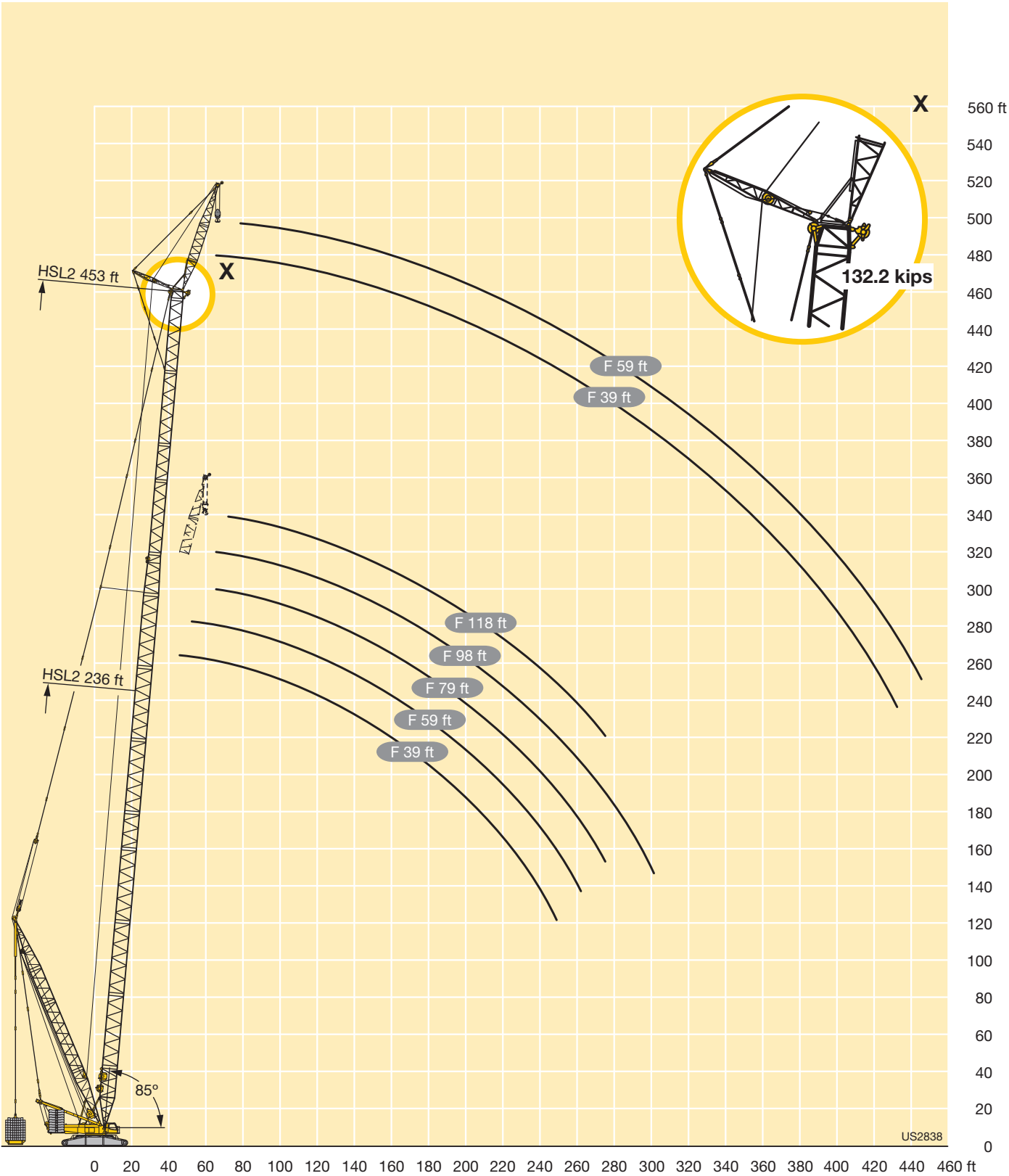
HSL2 354 - 453

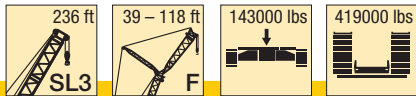


550000 - 771000 lbs
331000 - 550000 lbs
0 - 331000 lbs
0 lbs

ft		SL2 354					SL2 374					SL2 394					SL2 413					SL2 433					SL2 453		
		39	59	79	98	118	39	59	79	98	118	39	59	79	98	118	39	59	79	98	118	39	59	79	98	118	39	59	
220	B B2 BW	153	112	85.1	14.3	15	152	116	89.3	72.2	13.3	151	116	91.4	74.4	66.7	136	108	90.2	78.2	67.5	127	107	89.6	78.1	68.2	112		
		157	112	85	70.4	60.3	156	116	89.3	71.9	64.3	157	117	91.5	74.2	66.3	141	107	87.9	76.3	66.6	131	105	87.5	76	66.4	111	92.1	
		156	113	84.9	70.4	60.2	156	116	89.3	72.1	64.2	155	117	91.6	74.4	66.3	140	107	88.1	76.4	66.5	131	105	87.5	75.9	66.4	111	92.3	
230	B B2 BW	148	108	82.2	67.8	57.8	147	112	86.4	69.5	61.6	147	113	88.3	71.3	63.7	133	104	87.2	75.2	64.6	123	103	86.7	75.5	65.8	106		
		153	108	82	67.8	57.8	152	112	86.3	69.2	61.4	152	114	88.5	71.2	63.5	137	105	85.1	73.7	64.1	128	102	84.6	73.6	64.3	108	88.9	
		152	109	82.1	67.9	57.7	152	113	86.4	69.4	61.3	151	114	88.5	71.4	63.4	137	105	85.3	73.7	64	128	102	84.7	73.6	64.3	108	88.9	
240	B B2 BW	145	105	79.4	65.4	55.6	143	109	83.5	67.2	59.1	142	110	85.6	68.7	61	129	101	84.7	72.4	61.8	120	97.6	83.7	72.8	63.4	104		
		149	105	79	65.5	55.6	148	109	83.4	66.9	58.9	149	112	85.7	68.6	60.8	130	102	82.8	71.2	61.5	124	99.2	82	71.2	62.1	105	86.1	
		149	105	79.3	65.5	55.5	148	110	83.6	67.1	58.8	147	111	85.7	68.7	60.8	133	102	82.9	71.2	61.5	124	99.3	82.1	71.2	62.3	105	86.2	
250	B B2 BW	142	102	76.6	63	53.5	141	106	80.6	64.9	57	139	107	82.9	66.5	58.6	126	98.8	82.6	69.9	59	117	95.2	80.8	70.2	61	101		
		145	102	76.1	63.2	53.5	145	106	80.5	64.6	56.8	145	109	82.9	66.5	58.5	130	99.7	80.8	69	59	121	96.8	79.9	68.8	60	103	84	
		146	102	76.5	63.1	53.4	145	106	80.9	64.9	56.7	144	108	82.9	66.6	58.4	129	99.8	81	68.9	59.1	121	96.8	80.1	68.9	60.2	103	84.1	
260	B B2 BW	139	99.1	74.3	60.7	51.5	138	103	77.8	62.6	54.9	137	104	80.3	64.3	56.7	122	96.3	80.5	67.9	57.2	114	92.8	78	68.3	58.8	98.1		
		142	98.8	74	60.8	51.3	142	103	77.7	62.4	54.8	143	106	80.1	64.3	56.4	127	97.2	78.9	67	57.1	118	94.3	78	67.2	58	99.8	81.8	
		142	98.9	74.3	60.8	51.3	142	104	78.1	62.6	54.7	141	106	80.2	64.4	56.4	127	97.3	79.1	67	57.1	118	94.4	78.2	67.2	58	99.9	82	
270	B B2 BW	136	96.3	72.2	58.8	49.3	135	101	75.7	60.3	52.9	134	102	77.7	62.2	54.7	120	93.4	78.4	65.8	55.3	110	90.4	75.3	66.5	56.9	94.8		
		139	96	72	58.8	49	139	100	75.5	60.2	52.7	140	103	77.6	62.2	54.4	124	95	77	65.1	55.2	115	91.9	76.1	65.6	56.3	97.1	79.6	
		139	96.1	72.2	58.8	49	139	101	75.9	60.4	52.6	138	103	77.6	62.3	54.3	124	95	77.2	65.2	55.3	115	92	76.3	65.6	56.2	97.1	79.8	
280	B B2 BW	133	93.6	70.1	57.1	46.7	132	98	73.6	58.3	50.7	132	99.4	75.6	60.2	52.8	118	91.5	75.7	63.7	53.5	108	87.5	73.4	64.6	55.1	91		
		137	93.3	69.9	57	46.3	136	97.6	73.5	58.3	50.4	137	101	75.3	60.1	52.4	121	93.1	75.1	63.1	53.3	113	89.7	74.2	64.1	54.5	94.8	77.5	
		136	93.3	70.1	57.1	46.3	135	97.9	73.9	58.5	50.4	135	100	75.4	60.2	52.3	121	93.1	75.3	63.4	53.5	113	89.8	74.5	64.1	54.5	94.8	77.7	
290	B B2 BW	130	91	68	55.5	43.5	128	95	71.6	56.6	48.1	129	97.1	73.7	58.2	50.7	116	89.9	72.8	61.6	51.7	106	85.4	71.6	62.7	53.3	88.6		
		135	90.9	67.9	55.2	43.1	134	94.9	71.5	56.7	47.7	134	98.2	73.4	58.2	50.3	119	91.4	73.4	61.2	51.5	110	87.9	72.4	62.5	52.8	92.8	75.5	
		133	90.8	68.1	55.4	43.2	130	95.2	71.9	56.8	47.8	132	97.9	73.6	58.2	50.2	119	91.4	73.6	61.5	51.7	111	87.9	72.6	62.3	52.7	92.8	75.7	
300	B B2 BW	127	88.7	66.1	53.8	40.4	123	92.6	69.6	55	44.9	124	94.8	71.8	56.7	48.1	113	88.2	71.4	59.7	49.9	104	83.9	69.9	60.9	51.6	87		
		130	88.8	66.1	53.5	39.9	131	92.4	69.5	55.1	44.3	130	95.6	71.4	56.7	47.5	116	89.7	71.9	59.5	49.5	108	86.3	70.8	61	51.1	90.8	74	
		130	88.8	66.1	53.7	40.2	126	92.7	69.9	55.2	44.5	126	95.4	71.7	56.7	47.5	116	89.7	72	59.8	49.8	108	86.3	71.1	60.7	51	90.9	74.1	
310	B B2 BW	121	86.4	64.5	52.1	37.3	118	90.5	67.7	53.4	41.8	118	92.5	69.9	55.1	45.1	110	86.5	69.9	58.1	47.2	102	82.3	68.3	59.2	49.8	85.3		
		130	86.6	64.5	51.8	36.4	129	90.3	67.7	53.5	40.8	126	93.2	69.5	55.1	44.3	113	88	70.4	58	46.8	106	84.6	69.5	59.4	49.4	88.9	72.5	
		124	86.8	64.5	52	37.2	121	90.6	67.9	53.5	41.2	120	93	69.9	55.2	44.6	112	88	70.5	58.2	47.1	106	84.6	69.6	59.2	49.3	88.7	72.6	
320	B B2 BW	115	84.3	62.9	50.5	33.9	113	88.4	66	51.8	38.6	112	90.5	68	53.5	42	105	84.7	68.4	56.6	44.1	99.4	80.8	66.8	57.7	47.3	83.7		
		127	84.5	63	50.3	32.8	126	88.2	66	52	37.4	122	91.1	67.7	53.6	41	112	86.3	68.9	56.6	43.7	104	82.8	68.2	57.9	47	86.7	71.1	
		118	84.7	63	50.5	33.7	116	88.6	66.2	51.9	38	114	90.9	68.1	53.7	41.6	108	86.4	68.9	56.7	44	103	82.9	68.2	57.8	46.8	87	71.1	
330	B B2 BW	82.3	61.4	49.1	29.5	107	86.3	64.6	50.3	35.3	105	88.6	66.3	51.9	38.9	101	83.5	67	55	41	95.8	78.9	65.3	56.3	44.2	81.9			
		82.6	61.4	49	28.5	120	86.2	64.5	50.5	33.8	118	88.3	66.1	52	37.7	110	84.9	67.4	55.1	40.3	102	81.2	66.9	56.4	44	84.8	69.6		
		82.6	61.5	49.1	29.3	110	86.6	64.7	50.4	34.6	108	88.8	66.4	52.2	38.6	104	85	67.4	55.2	40.7	99.4	81.3	66.8	56.5	43.9	85.1	69.6		
340	B B2 BW	80.6	59.8	47.8	22.8	102	84.3	63.2	49.2	31.4	99.6	86.7	64.8	50.4	35.8	96.6	82.5	65.7	53.5	37.8	92.1	77.8	64.1	54.8	41	79.8			
		80.8	59.8	47.8	22.2	114	84.2	63	49.3	29.7	112	87.3	64.8	50.6	34.4	107	83.8	65.9	53.7	36.9	101	79.9	65.6	54.9	40.8	83.5	68.1		
		80.6	60	47.7	22.6	104	84.7	63.1	49.2	30.6	103	86.8	64.9	50.7	35.6	99.8	83.8	65.9	53.7	37.4	95.8	80	65.4	55.1	40.8	83.5	68.1		
350	B B2 BW	58.7	46.6	16.1	82.7	61.8	48.1	25.4	94	84.8	63.3	49.3	31.9	91.9	81.6	64.5	51.9	34.7	88.5	77	62.7	53.4	37.8	77.8	64.4	53.4	37.6	77.8	
		58.3	46.5	15.8	82.5	61.6	48	23.9	107	85.5	63.4	49.4	30.5	104	82.8	64.4	52.3	33.5	99.2	78.9	64.4	53.7	37.8	78.4	64.1	53.7	37.8	82	66.9
		58.6	46.4	15.9	83	61.6	48	24.8	96.9	84.9	63.5	49.5	31.8	95.1	82.7	64.6	52.3	34	92.2	78.8	64.1	53.7	37.8	78.4	64.1	53.7	37.8	82	66.8
360	B B2 BW	57.5	45.4	81.4	60.3	47	19.2	83.1	61.9	48.2	26.9	86.8	80.7	63.2	50.7	31.1	84.6	80.7	63.2	50.7	31.1	84.6	76.1	61.8	51.9	34.7	75.8		
		57	45.4	81.2	60.3	46.8	18	83.7	62	48.3	25.6	99.2	81.7	63	51	29.8	96.9	81.7	63	51	29.8	96.9	77.6	63.4	52	34.4	80.8	65.9	
		57.3	45.3	81.4	60.3	46.9	18.7	83.3	62	48.3	26.8	89.9	81.6	63.3	51	30.4	88.3	80.7	63.1	50.7	30.4	88.3	77.8	63.1	52.3	34.8	80.5	65.8	
370	B B2 BW	44.4	59.1	45.9	81.5	60.6	47.2	21	81.8	79.6	62	49.7	26.9	80.5	75.3	61.4	50.8	31.5	73.7	78.8	64.9	53.7	37.8	78.4	64.1	53.7	37.8	80.5	
		44.4	59.1	45.5	82.1	60.7	47.1	20.1	94	80.8	61.6	49.9	25.6	93.5	76.8	62.5	50.7	31.1	79.5	78.8	64.4</								

TAB 181450 / 181452 / 181456

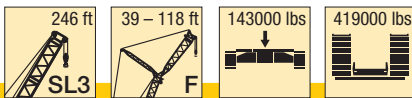




 ft	SL3 236															 ft
	F 39			F 59			F 79			F 98			F 118			
	10°	15°	30°	10°	15°	30°	10°	15°	30°	10°	15°	30°	10°	15°	30°	
40	303															40
45	303	303														45
50	303	298														50
55	295	289	160	231	194											55
60	277	276	156	222	186		172	144		148						60
65	253	255	152	213	179	111	164	139		141	118		128			65
70	232	235	149	204	173	108	157	133		135	114		123			70
75	213	216	145	196	166	106	151	129		129	110		117	99		75
80	197	199	142	188	160	104	145	124	85	124	106		113	95		80
85	182	184	139	181	155	101	139	119	83	119	102	71	108	91.5		85
90	169	171	136	170	150	99	134	115	81	114	98	69	103	88		90
95	157	159	133	159	145	97	129	112	79	110	94.5	67.5	98.5	84.5	58.9	95
100	146	148	131	149	141	95	124	108	77.5	106	91	65.5	95	81	57.2	100
105	136	138	128	139	137	93	119	105	75.5	102	88.5	64	91	78.5	55.5	105
110	128	129	126	130	131	91	116	102	74	97.5	85.5	62.5	87.5	76	54	110
115	120	121	123	122	124	89.5	112	99	72.5	94	82.5	61	84	73	52.4	115
120	112	113	117	115	116	88	109	96.5	71	91	80	59.4	80.5	70.5	50.9	120
125	105	106	109	108	109	86.5	106	94	69.5	88.5	78	58	78	68	49.5	125
130	98	99	102	101	103	85	102	91.5	68.5	85.5	75.5	56.5	75.5	66	48.3	130
135	92	93	96	95.5	97	83.5	96.5	89	67.5	83	73.5	55.3	73.5	64	47.1	135
140	86.5	87.5	90	89.5	91	82	91	86.5	66	80	71.5	54.1	71	62.5	45.9	140
150	76	77	79	79	80.5	78.5	81	80.5	64	75.5	67.5	52	66	58.6	43.1	150
160	66.5	67.5	69.5	70	71	74	72	73.5	61.5	70.5	64	49.9	61.5	55.1	39.9	160
170	58.2	59.1	61	61.5	63	65.5	64	65.5	59.8	65	61	47.8	58.3	51.9	36.7	170
180	51.1	51.9	53.7	54.4	55.4	58	56.8	58.1	58	58.2	58.2	46.2	55	49.4	33.1	180
190	44.7	45.4	47	47.8	48.8	51.1	50.2	51.4	53.8	51.7	53.1	44.7	51.1	46.9	27.6	190
200	38.9	39.5	40.9	41.9	42.8	44.8	44.2	45.3	48.1	45.7	47.1	43.2	46.4	44.1	21	200
210	33.7	34.2	35.4	36.6	37.4	39.2	38.8	39.8	42.4	40.3	41.6	41.8	41	40.3	14.5	210
220	29.1	29.6	30.6	32	32.6	34.2	34.1	35	37.3	35.5	36.7	39	36.3	34.3	9.4	220
230	25	25.4		27.7	28.3	29.6	29.8	30.6	32.6	31.2	32.3	35	32	28.3		230
240	21.2	21.5		23.8	24.3	25.4	25.8	26.6	28.3	27.2	28.2	30.7	28	22.3		240
250	17.7			20.2	20.6		22.2	22.8	24.4	23.6	24.5	26.7	24.4	16.4		250
260	14.5			17	17.3		18.9	19.5	20.8	20.3	21.1	23.1	21.1	12.8		260
270				14	14.3		15.9	16.4		17.3	18	19.7	15.6	9.3		270
280							13.1	13.5		14.4	15.1	16.6				280
290										11.8	12.4					290
300										9.5	10					300
310											7.7					310

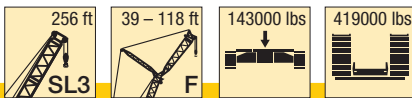
TAB 181111

M



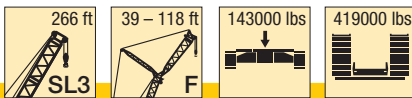
 ft	SL3 246															 ft
	F 39			F 59			F 79			F 98			F 118			
	10°	15°	30°	10°	15°	30°	10°	15°	30°	10°	15°	30°	10°	15°	30°	
40	303															40
45	303	301														45
50	303	296														50
55	295	289	161	231	194											55
60	279	277	157	223	187		173			148						60
65	254	257	153	215	180	111	165	139		142	119		129			65
70	234	236	150	206	174	109	159	134		136	115		124			70
75	216	218	146	198	168	106	153	129		130	110		118	99.5		75
80	199	201	143	190	162	104	147	125	85.5	125	106		113	95.5		80
85	185	187	140	184	157	102	141	121	83.5	120	102	71	109	92		85
90	172	174	137	173	152	99.5	136	116	81.5	115	98.5	69	104	88.5		90
95	160	162	134	162	147	97.5	131	113	79.5	111	95	67.5	100	85.5	59	95
100	150	152	132	151	143	95.5	126	110	77.5	107	92	66	96	82	57.3	100
105	140	142	129	142	138	93.5	121	106	76	103	89	64	92.5	79	55.7	105
110	132	133	127	133	134	91.5	117	103	74.5	99	86.5	62.5	89	76.5	54.2	110
115	124	125	125	125	127	90	114	100	73	95.5	83.5	61	85.5	74	52.6	115
120	116	117	121	118	120	88.5	111	97.5	71.5	92.5	81	59.7	82	71.5	51.1	120
125	109	110	113	111	113	87	107	95	70	89.5	78.5	58.3	79	69	49.8	125
130	102	103	106	105	106	85.5	104	92.5	69	87	76.5	57	77	67	48.6	130
135	96	97	99.5	99	100	84	99.5	90	67.5	84.5	74.5	55.7	74.5	65	47.4	135
140	90	91	93.5	93	94.5	82.5	94	87.5	66.5	82	72.5	54.5	72	63	46.2	140
150	80	80.5	83	82.5	83.5	80	84.5	82.5	64.5	77	69	52.4	67.5	59.6	43.6	150
160	71	71.5	73.5	73.5	74.5	76.5	75	76.5	62	72	65	50.3	63	56.1	40.6	160
170	62.5	63.5	65.5	65.5	66.5	68.5	67	68.5	60.5	68	62	48.3	59.4	52.7	37.6	170
180	55.6	56.3	58	58.3	59.3	61.5	60	61.5	58.6	61.5	59.2	46.7	56.2	50.2	34.5	180
190	49.2	49.9	51.4	51.9	52.7	54.9	53.7	54.9	55.7	54.9	55.2	45.2	53	47.8	29.6	190
200	43.4	44	45.4	46	46.8	48.7	47.8	48.8	51.5	48.9	50.2	43.7	49.2	45.4	23.6	200
210	38.2	38.7	39.9	40.6	41.4	43.1	42.4	43.4	45.8	43.5	44.7	42.2	44	43	17.2	210
220	33.7	34.1	35.1	36	36.7	38.2	37.7	38.6	40.8	38.8	39.9	41.2	39.3	37.2	10.9	220
230	29.6	29.9	30.8	31.8	32.3	33.7	33.4	34.2	36.2	34.5	35.5	38	35	31.5		230
240	25.7	26.1		27.9	28.4	29.5	29.5	30.2	31.9	30.5	31.5	33.8	31	25.7		240
250	22.2	22.5		24.3	24.7		25.8	26.5	28	26.9	27.8	29.9	27.4	19.9		250
260	19.1	19.4		21.1	21.5		22.6	23.2	24.5	23.6	24.4	26.3	24.2	15.3		260
270				18.1	18.5		19.6	20.1	21.2	20.6	21.3	23.1	19.8	11.6		270
280				15.4			16.8	17.3		17.8	18.5	20				280
290							14.3	14.6		15.2	15.8	17.1				290
300							11.9	12.2		12.9	13.4	14.5				300
310										10.7	11.1					310
320										8.7						320

TAB 181111



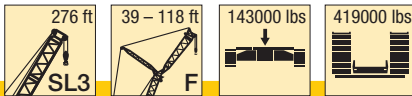
 ft	SL3 256															 ft
	F 39			F 59			F 79			F 98			F 118			
	10°	15°	30°	10°	15°	30°	10°	15°	30°	10°	15°	30°	10°	15°	30°	
45	301	269														45
50	294	263														50
55	283	256	159	207												55
60	268	250	155	201	181		164									60
65	244	243	152	195	176	110	159	137		136			123			65
70	224	226	148	190	171	108	154	132		132			120			70
75	206	209	145	184	166	105	149	128		127	109		115	97.5		75
80	190	193	142	179	161	103	144	124	84.5	123	105		111	94		80
85	176	178	139	175	156	101	139	120	82.5	118	101	70.5	107	90.5		85
90	164	166	137	165	152	99	134	116	80.5	113	98	68.5	102	87.5		90
95	152	154	134	154	147	97	130	112	79	109	94.5	67	98	84.5	58.4	95
100	142	143	131	144	142	95	126	109	77	106	91.5	65.5	94.5	81.5	56.8	100
105	132	134	129	134	137	93.5	121	106	75.5	102	88.5	64	91.5	78.5	55.2	105
110	124	125	127	126	128	92	117	103	74	99	86	62.5	88.5	76	53.8	110
115	116	117	121	118	120	90	114	100	72.5	95.5	83.5	61	85	73.5	52.3	115
120	108	110	114	111	113	88.5	110	97	71	92	81	59.5	82	71.5	50.9	120
125	102	103	107	104	106	87	105	95	70	89.5	78.5	58.2	79	69	49.5	125
130	95.5	96.5	100	97.5	99.5	86	98.5	92.5	68.5	87	76.5	56.9	77	66.5	48.3	130
135	89.5	91	94.5	92	93.5	84.5	93	90	67.5	84.5	74.5	55.6	74.5	65	47.2	135
140	84.5	85.5	88.5	86.5	88.5	83	88	87.5	66.5	82	73	54.4	72.5	63	46.1	140
150	74.5	75.5	78	77	78.5	79	78	80	64.5	76.5	69	52.3	68	59.7	43.6	150
160	65.5	66.5	68.5	68	69.5	73	69.5	71	62	69.5	65.5	50.4	63.5	56.3	40.8	160
170	57	57.9	60	60	61.5	64.5	61.5	63	60.5	62	62.5	48.5	59.6	53	37.5	170
180	49.8	50.7	52.6	53	54.1	56.9	55	56.4	58.2	55.4	56.8	46.8	54.6	50.4	34.3	180
190	43.4	44.2	45.9	46.5	47.5	49.9	48.6	49.9	53.3	49.4	51	45.3	49.1	48.1	30	190
200	37.7	38.3	39.9	40.6	41.5	43.7	42.7	43.9	46.9	43.8	45.3	43.9	43.7	45.1	24.7	200
210	32.5	33.1	34.4	35.3	36.1	38.1	37.3	38.4	41.1	38.7	40	42.5	38.7	40.4	18.5	210
220	28	28.5	29.6	30.6	31.4	33.1	32.6	33.6	36.1	33.9	35.2	38.2	34.4	35.9	12.3	220
230	23.8	24.3	25.3	26.4	27.1	28.6	28.3	29.2	31.5	29.6	30.8	33.7	30.2	31.7		230
240	20	20.4		22.5	23.1	24.4	24.4	25.2	27.2	25.6	26.7	29.4	26.4	27.4		240
250	16.5	16.9		18.9	19.4	20.6	20.7	21.5	23.3	22	23	25.4	22.7	22.8		250
260	13.4	13.7		15.7	16.2	17.1	17.5	18.2	19.7	18.7	19.6	21.8	19.4	17.1		260
270	10.6	10.8		12.7	13.1		14.5	15.1	16.4	15.7	16.5	18.5	16.4	13.3		270
280				10	10.3		11.7	12.2	13.4	12.9	13.7	15.4	13.6	10.1		280
290								9.6		10.3	11	12.5				290
300								7.2		8	8.5	9.9				300

TAB 181111



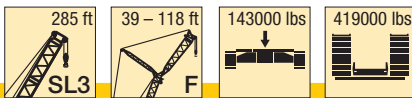
 ft	SL3 266															 ft
	F 39			F 59			F 79			F 98			F 118			
	10°	15°	30°	10°	15°	30°	10°	15°	30°	10°	15°	30°	10°	15°	30°	
45	303	273														45
50	298	268														50
55	287	261		210												55
60	270	254	156	205	183		166									60
65	247	247	152	199	178	110	161	137		138			125			65
70	227	229	149	194	173	108	156	133		133			121			70
75	209	211	146	189	168	106	151	129		128	109		116	98		75
80	193	196	143	184	163	103	146	125	84.5	124	106		112	94.5		80
85	179	181	140	179	158	101	140	121	82.5	119	102	70.5	108	91		85
90	167	169	138	168	153	99.5	136	117	81	115	99	69	104	88		90
95	156	158	135	157	149	97.5	131	114	79	111	95.5	67	99.5	85		95
100	145	147	132	147	144	95.5	127	110	77.5	107	92.5	65.5	95.5	82	57	100
105	136	138	130	137	140	94	123	107	76	104	89.5	64	92.5	79.5	55.4	105
110	128	129	128	129	131	92	119	104	74.5	100	87	62.5	89.5	77	54	110
115	120	121	124	121	123	90.5	115	101	73	97	84.5	61	86.5	74.5	52.6	115
120	113	114	118	114	116	89	112	98.5	71.5	93.5	82	59.8	83.5	72	51.2	120
125	106	107	111	107	109	87.5	108	96	70.5	90.5	79.5	58.5	80.5	70	49.8	125
130	99.5	101	104	101	103	86	102	94	69	88.5	77.5	57.3	78	67.5	48.6	130
135	94	95	98	96	97.5	85	96.5	91.5	68	86	75.5	56	75.5	66	47.5	135
140	88.5	90	92.5	90.5	92	83.5	91	89.5	67	83.5	73.5	54.8	73.5	64	46.4	140
150	79	79.5	82	81	82	80.5	81.5	83	65	78.5	70	52.7	69	60.5	44.1	150
160	69.5	70.5	72.5	72	73.5	76	73	74.5	63	73	66.5	50.8	65	57.3	41.5	160
170	61.5	62.5	64.5	64.5	65.5	67.5	65.5	67	61	65.5	63	48.9	60.5	54	38.4	170
180	54.5	55.3	57.1	57.1	58.1	60.5	58.7	60	59.2	58.8	59.4	47.2	57.1	51.3	35.3	180
190	48.1	48.8	50.4	50.6	51.6	53.9	52.4	53.6	55.5	52.8	54.3	45.7	52.2	48.9	31.6	190
200	42.4	43	44.4	44.7	45.6	47.7	46.4	47.6	50.4	47.3	48.7	44.3	46.9	46.5	27	200
210	37.2	37.7	39	39.5	40.2	42.1	41.1	42.1	44.7	42.1	43.4	43	42	43.5	21	210
220	32.6	33.1	34.3	34.8	35.5	37.2	36.4	37.4	39.7	37.4	38.6	40.7	37.6	39.1	15	220
230	28.5	29	29.9	30.6	31.2	32.7	32.1	33	35.1	33.1	34.2	36.9	33.5	34.8	9.7	230
240	24.7	25.1	25.9	26.7	27.3	28.6	28.2	29	30.9	29.1	30.2	32.7	29.6	30.5		240
250	21.2	21.6		23.1	23.7	24.8	24.6	25.3	27	25.5	26.4	28.7	25.9	26		250
260	18.1	18.4		19.9	20.4	21.4	21.3	22	23.5	22.3	23.1	25.2	22.7	20.5		260
270	15.3	15.5		17	17.4		18.4	19	20.3	19.3	20	22	19.7	16		270
280	12.7			14.3	14.6		15.6	16.1	17.3	16.5	17.2	18.9	16.9	12.2		280
290				11.8	12.1		13	13.5		13.9	14.5	16				290
300				9.5	9.7		10.7	11.1		11.5	12.1	13.4				300
310							8.5	8.9		9.4	9.9	11				310

TAB 181111



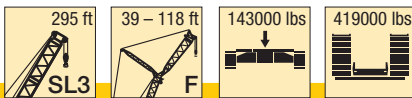
 ft	SL3 276															 ft
	F 39			F 59			F 79			F 98			F 118			
	10°	15°	30°	10°	15°	30°	10°	15°	30°	10°	15°	30°	10°	15°	30°	
45	301	270														45
50	295	265														50
55	280	259		209												55
60	258	252	157	203	182		165									60
65	235	237	153	198	178		161	138		138			124			65
70	216	218	150	194	174		156	134		134			120			70
75	198	201	147	189	169	106	151	130		129	110		116	98.5		75
80	182	185	144	182	164	104	147	126	84.5	125	106		112	95		80
85	169	171	141	171	159	102	142	122	83	120	103		108	91.5		85
90	156	159	138	159	155	100	137	118	81	116	99.5		104	88.5		90
95	145	147	136	148	148	98	133	115	79.5	112	96.5	67.5	100	86		95
100	135	137	134	137	140	96	129	111	78	108	93	65.5	96.5	83	57	100
105	126	127	131	128	131	94.5	125	108	76	105	90.5	64.5	93.5	80	55.6	105
110	117	119	123	120	122	93	120	105	74.5	102	88	63	90.5	77.5	54.1	110
115	109	111	116	112	114	91	113	102	73.5	98	85.5	61.5	87.5	75	52.8	115
120	102	104	108	105	107	89.5	106	99.5	72	95	83	60	84.5	73	51.4	120
125	95.5	97	101	98	100	88	99.5	97	71	91.5	80.5	58.8	82	71	50.1	125
130	89.5	91	94.5	92	94	87	93.5	94.5	69.5	89.5	78	57.6	79	68.5	48.8	130
135	84	85.5	89	86.5	88.5	85.5	88	90	68.5	86	76.5	56.4	76.5	66.5	47.7	135
140	78.5	80	83.5	81	83	84	82.5	84.5	67.5	81.5	74.5	55.2	74.5	64.5	46.7	140
150	69	70	73.5	71.5	73	77.5	73	75	65.5	73	71	53	70	61.5	44.5	150
160	60.5	61.5	64	63	64.5	68	64.5	66	63.5	64.5	66.5	51.2	64	58.1	42.2	160
170	52.8	53.8	56.3	55.2	56.5	60	56.6	58.3	61.5	57.1	59.2	49.4	56.8	55	39.2	170
180	46.1	47	49.2	48.5	49.8	52.9	50	51.6	55.3	50.5	52.4	47.6	50.3	51.4	36.1	180
190	39.8	40.6	42.6	42.5	43.6	46.5	43.9	45.4	49.1	44.5	46.3	46.1	44.4	46.5	33.1	190
200	34	34.8	36.5	36.9	37.9	40.5	38.4	39.8	43.2	39.1	40.7	43.8	39	40.9	29.2	200
210	28.8	29.4	31	31.7	32.6	34.9	33.4	34.6	37.8	34.1	35.6	39.5	34.1	35.9	23.4	210
220	24.2	24.8	26.2	27	27.9	29.9	28.9	30.1	33	29.6	31.1	34.7	29.7	31.4	17.6	220
230	20.1	20.6	21.8	22.8	23.5	25.4	24.7	25.8	28.4	25.5	26.9	30.2	25.6	27.2	11.8	230
240	16.2	16.7	17.8	18.8	19.5	21.2	20.8	21.8	24.1	21.8	23	26.1	21.9	23.4		240
250	12.7	13.2	14	15.2	15.9	17.3	17.2	18	20.1	18.2	19.4	22.2	18.4	19.8		250
260	9.6	10	10.7	12	12.6	13.8	13.9	14.7	16.5	15.1	16.1	18.7	15.3	16.6		260
270				9	9.5	10.6	10.9	11.6	13.2	12.1	13.1	15.4	12.4	13.6		270
280									10.1	9.3	10.2	12.3	9.7	10.8		280

TAB 181111



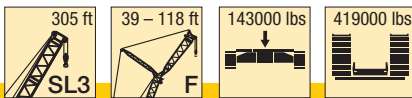
 ft	SL3 285															 ft
	F 39			F 59			F 79			F 98			F 118			
	10°	15°	30°	10°	15°	30°	10°	15°	30°	10°	15°	30°	10°	15°	30°	
45	303															45
50	298															50
55	283	263		212												55
60	260	255	157	207	184		167									60
65	237	239	154	202	180		162	138		139			125			65
70	218	221	151	197	175		158	135		135			121			70
75	201	203	148	193	171	106	153	131		130	110		117			75
80	186	188	145	186	166	104	148	127	85	126	107		113	95.5		80
85	172	174	142	173	161	102	143	123	83	122	103		109	92.5		85
90	160	162	139	162	156	100	139	119	81.5	117	100		106	89.5		90
95	149	151	137	151	151	98.5	134	116	79.5	113	97	67.5	102	86.5		95
100	139	141	135	141	143	96.5	130	112	78	109	94	66	98	83.5	57.1	100
105	130	131	132	131	134	95	127	109	76.5	106	91	64.5	94.5	81	55.7	105
110	121	123	126	123	125	93.5	122	107	75	103	88.5	63	91.5	78	54.3	110
115	114	115	119	116	118	91.5	116	104	73.5	99.5	86.5	61.5	88.5	76	53	115
120	107	108	112	108	110	90	109	101	72.5	96.5	84	60.5	86	73.5	51.6	120
125	100	101	105	102	104	88.5	103	98	71	93.5	81.5	59.1	83	71.5	50.3	125
130	94	95	98.5	96	97.5	87.5	96.5	96	70	90.5	79	57.9	80	69.5	49	130
135	88.5	89.5	93	90.5	92	86	91	92	69	87.5	77.5	56.7	78	67.5	47.9	135
140	83	84.5	87.5	85	86.5	85	86	87.5	67.5	84	75.5	55.6	75.5	65.5	46.9	140
150	73.5	74.5	77.5	75.5	77	79.5	76.5	78.5	65.5	76.5	72	53.4	71.5	62	44.9	150
160	65	66	68.5	67	68.5	72	68	69.5	64	68	68	51.5	66.5	59	42.7	160
170	57.5	58.4	61	59.4	60.5	64	60.5	62	62	60.5	62.5	49.8	59.8	55.9	39.9	170
180	50.8	51.6	53.7	52.8	53.9	56.9	53.8	55.2	58	54	55.8	48	53.5	52.8	37	180
190	44.5	45.3	47.1	46.8	47.8	50.5	47.8	49.1	52.7	48	49.7	46.5	47.6	48.8	34.1	190
200	38.7	39.4	41.1	41.2	42.2	44.6	42.3	43.6	46.8	42.6	44.2	44.8	42.2	44.1	30.5	200
210	33.5	34.1	35.6	35.9	36.8	38.9	37.3	38.5	41.5	37.7	39.1	42.8	37.4	39.1	25.7	210
220	28.9	29.5	30.9	31.3	32.1	34	32.9	34	36.6	33.3	34.6	38.1	33	34.6	20	220
230	24.8	25.3	26.5	27	27.8	29.5	28.7	29.6	32	29.2	30.5	33.7	29	30.5	14.4	230
240	21	21.4	22.5	23.1	23.8	25.3	24.7	25.6	27.8	25.5	26.6	29.6	25.3	26.7		240
250	17.5	17.9	18.8	19.5	20.1	21.5	21.1	21.9	23.9	22	23.1	25.7	21.9	23.2		250
260	14.3	14.7	15.5	16.3	16.9	18.1	17.8	18.6	20.3	18.8	19.7	22.2	18.8	20		260
270	11.4	11.8		13.3	13.8	14.9	14.8	15.5	17.1	15.8	16.7	18.9	15.9	17		270
280	8.8	9.1		10.6	11	11.9	12	12.6	14	13	13.8	15.8	13.2	14.3		280
290							9.4	10	11.2	10.3	11.1	12.9	10.7	11.7		290
300							7	7.5	8.6	7.9	8.6	10.3	8.4	9.3		300
310												7.8				310

TAB 181111



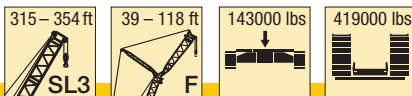
 ft	SL3 295															 ft
	F 39			F 59			F 79			F 98			F 118			
	10°	15°	30°	10°	15°	30°	10°	15°	30°	10°	15°	30°	10°	15°	30°	
45	294															45
50	289															50
55	274	257		207												55
60	249	249	157	203	182		164									60
65	227	230	154	198	179		160	139		137			122			65
70	208	211	151	194	175		157	135		134			120			70
75	191	194	148	188	171	106	153	131		130	111		117			75
80	176	179	146	178	166	104	148	127		126	107		113	96		80
85	162	165	143	165	162	102	144	124	83	122	104		110	92.5		85
90	150	153	140	153	154	101	140	120	81.5	118	101		106	89.5		90
95	140	142	138	142	145	99	135	117	80	114	98	67.5	102	87		95
100	130	132	134	132	135	97	131	113	78.5	110	95	66	99	84	57.1	100
105	120	122	128	123	126	95.5	124	110	77	107	92.5	64.5	95	81.5	55.8	105
110	112	114	119	115	117	94	116	108	75.5	104	89.5	63	92.5	79	54.4	110
115	105	106	111	107	110	92.5	108	105	74	101	87.5	62	89.5	76.5	53.1	115
120	97.5	99	104	100	102	90.5	101	102	72.5	97.5	85	60.5	87	74.5	51.8	120
125	91	92.5	96.5	93.5	95.5	89	95	97.5	71.5	94.5	82.5	59.3	84	72.5	50.5	125
130	85	86.5	90.5	87.5	89.5	88	89	91.5	70.5	89	80.5	58.2	81.5	70	49.2	130
135	79.5	81	84.5	82	84	85	83.5	86	69	83.5	78.5	57	78.5	68	48.2	135
140	74.5	75.5	79.5	77	78.5	81.5	78.5	80.5	68	78.5	76.5	55.9	76	66	47.1	140
150	64.5	66	69.5	67.5	69	73.5	69	71	66	69	70.5	53.8	68.5	62.5	45.1	150
160	56.3	57.4	60.5	58.8	60.5	64.5	60.5	62	63.5	60.5	63	51.8	60.5	59.4	43	160
170	48.8	49.8	52.5	51.3	52.7	56.3	52.7	54.5	59	53.3	55.4	50.1	52.9	55.2	40.5	170
180	42.2	43.2	45.6	44.7	46	49.3	46.2	47.8	52.1	46.7	48.7	48.4	46.5	48.8	37.7	180
190	36.3	37.2	39.4	38.7	39.9	42.9	40.2	41.7	45.7	40.8	42.7	45.7	40.6	42.8	34.9	190
200	30.9	31.7	33.7	33.2	34.3	37.1	34.7	36.1	39.8	35.4	37.1	41.6	35.3	37.3	31.8	200
210	25.9	26.7	28.5	28.2	29.2	31.8	29.7	31	34.4	30.4	32	36.2	30.4	32.3	27.9	210
220	21.6	22.2	23.9	23.8	24.7	27.1	25.3	26.5	29.6	26	27.5	31.4	26	27.8	22.4	220
230	17.5	18.1	19.5	19.7	20.6	22.7	21.2	22.3	25.2	21.9	23.3	27	22	23.7	16.9	230
240	13.7	14.2	15.5	16	16.8	18.6	17.4	18.4	21	18.1	19.5	22.8	18.3	19.9	11.5	240
250		10.7	11.8	12.5	13.2	14.9	13.9	14.8	17.2	14.7	15.9	19	14.8	16.3	6.5	250
260		7.5	8.4	9.3	10	11.5	10.7	11.6	13.8	11.5	12.6	15.5	11.7	13.1	5.2	260
270						8.3		8.6	10.6	8.6	9.6	12.3	8.8	10.1		270
280											6.8	9.2		7.3		280

TAB 181111



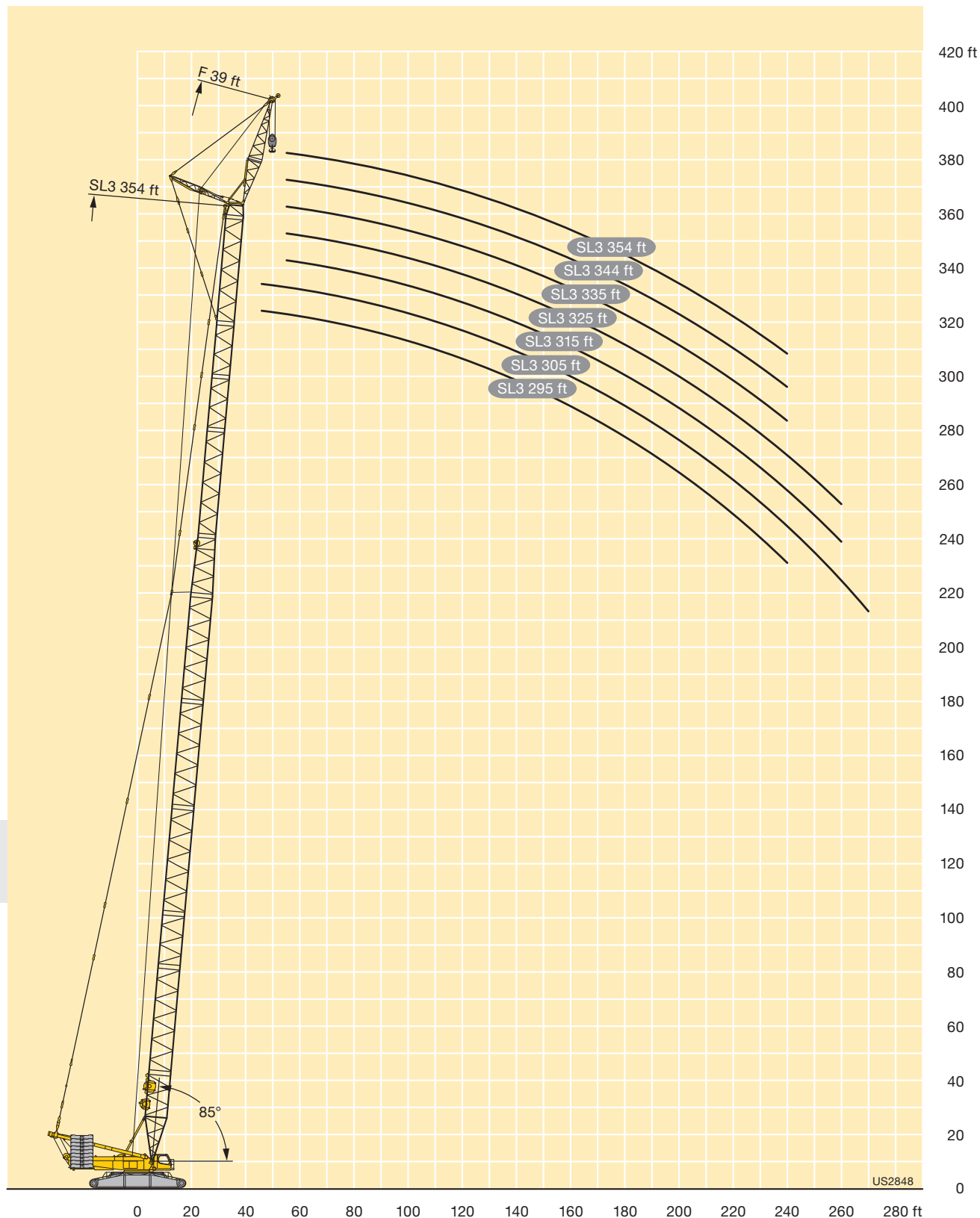
 ft	SL3 305															 ft
	F 39			F 59			F 79			F 98			F 118			
	10°	15°	30°	10°	15°	30°	10°	15°	30°	10°	15°	30°	10°	15°	30°	
45	294															45
50	289															50
55	275	259								258	236					55
60	251	252	158	205	184					246	230	156	187			60
65	229	232	155	201	180		162	139		225	225	153	182	164		65
70	211	214	152	197	177		159	136		207	209	150	178	161		70
75	194	197	149	190	172	107	155	132		190	193	148	174	158	106	75
80	179	182	146	181	168	105	151	128		175	178	145	169	155	104	80
85	166	168	144	168	164	103	146	124	83.5	162	165	142	164	151	102	85
90	154	156	141	156	157	101	141	121	81.5	151	153	140	153	148	100	90
95	143	145	139	145	148	99.5	137	118	80	140	142	137	142	143	98.5	95
100	134	135	136	136	138	97.5	132	114	78.5	130	132	134	132	135	97	100
105	125	126	131	126	129	96	127	111	77	121	123	128	123	126	95	105
110	116	118	123	118	121	94.5	119	109	75.5	113	115	120	115	118	94	110
115	109	111	115	111	113	93	112	106	74.5	106	108	112	108	110	92.5	115
120	102	103	108	104	106	91.5	105	103	73	99	101	105	101	103	91	120
125	95.5	97	101	97.5	99.5	90	98.5	100	72	92.5	94	98	94.5	96.5	89.5	125
130	89.5	91	94.5	91.5	93.5	88.5	92.5	94.5	70.5	86.5	88	92	89	90.5	88.5	130
135	84	85.5	89	86	88	86.5	87	89	69.5	81.5	82.5	86.5	83.5	85	85.5	135
140	79	80	83.5	81	82.5	84.5	82	84	68.5	76	77.5	81	78.5	80	82.5	140
150	69.5	70.5	73.5	71.5	73	77	72.5	74.5	66.5	66.5	68	71	69	70.5	74.5	150
160	61	62	65	63	64.5	68	64	66	64.5	58.4	59.5	62.5	60.5	62	66	160
170	53.6	54.6	57.1	55.6	56.9	60.5	56.6	58.3	62.5	51	52	54.6	53	54.4	57.9	170
180	47.1	48	50.3	49.1	50.3	53.4	50.1	51.6	55.7	44.5	45.4	47.8	46.5	47.8	51	180
190	41.2	42.1	44.2	43.1	44.2	47.1	44.2	45.6	49.3	38.6	39.5	41.7	40.6	41.8	44.8	190
200	35.9	36.6	38.5	37.7	38.7	41.4	38.7	40.1	43.5	33.3	34.1	36.1	35.2	36.3	39	200
210	31	31.7	33.4	32.8	33.7	36.1	33.8	35	38.2	28.4	29.1	30.9	30.3	31.3	33.8	210
220	26.5	27.1	28.7	28.4	29.2	31.4	29.4	30.6	33.5	24.1	24.8	26.4	25.9	26.8	29.1	220
230	22.4	22.9	24.3	24.3	25.1	27.1	25.4	26.4	29.1	20.1	20.7	22.2	21.9	22.7	24.8	230
240	18.5	19	20.2	20.6	21.3	23.1	21.6	22.6	25.1	16.4	17	18.3	18.1	18.9	20.8	240
250	15	15.5	16.5	17.1	17.8	19.4	18.1	19	21.3	13	13.6	14.8	14.7	15.4	17.2	250
260	11.9	12.3	13.2	13.9	14.5	15.9	15	15.8	17.9	9.9	10.4	11.4	11.6	12.2	13.8	260
270	9	9.3	10.1	10.9	11.4	12.7	12.1	12.9	14.8			8.3	8.7	9.3	10.7	270
280						9.7	9.4	10.1	11.8							280

TAB 181111

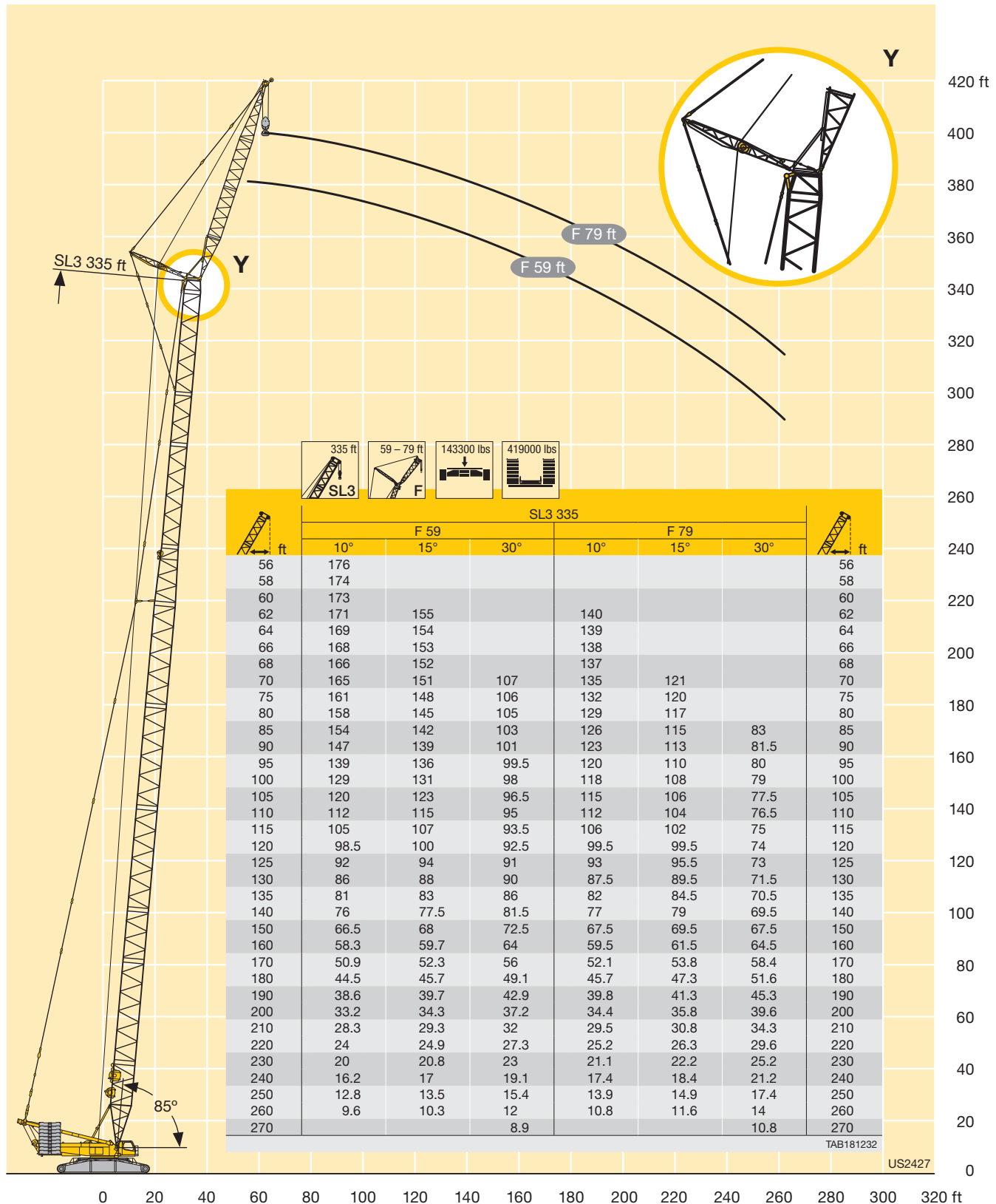


 ft	SL3 315						SL3 325						SL3 335			SL3 344			SL3 354			 ft	
	F 39			F 59			F 39			F 59			F 39			F 39			F 39				
	10°	15°	30°	10°	15°	30°	10°	15°	30°	10°	15°	30°	10°	15°	30°	10°	15°	30°	10°	15°	30°		
55	258	236					255	235					238	219		235			209				55
60	246	230	156	187			241	230	156	187			231	214		228	213		204	190			60
65	225	225	153	182	164		220	222	154	183	165		217	209	154	213	209	154	198	185	154		65
70	207	209	150	178	161		202	205	151	178	162		200	200	151	196	197	152	191	181	151		70
75	190	193	148	174	158	106	186	189	148	174	158	106	184	187	148	180	183	149	180	176	148		75
80	175	178	145	169	155	104	172	174	146	169	155	104	170	172	146	166	169	146	166	168	146		80
85	162	165	142	164	151	102	159	161	143	161	152	102	157	159	143	154	156	144	153	156	143		85
90	151	153	140	153	148	100	147	150	140	149	149	100	146	148	141	142	145	142	142	144	140		90
95	140	142	137	142	143	98.5	137	139	138	139	142	99	135	137	138	132	134	137	132	134	136		95
100	130	132	134	132	135	97	127	129	134	129	132	97	126	128	133	123	125	130	123	125	130		100
105	121	123	128	123	126	95	118	120	125	121	123	95.5	117	119	124	114	116	121	114	116	121		105
110	113	115	120	115	118	94	110	112	117	113	115	94	109	111	116	106	108	113	106	108	113		110
115	106	108	112	108	110	92.5	103	105	109	105	107	93	102	104	108	99	101	105	99	101	106		115
120	99	101	105	101	103	91	96	97.5	102	98.5	100	91.5	95	96.5	101	92	94	98.5	92.5	94	98.5		120
125	92.5	94	98	94.5	96.5	89.5	89.5	91	95.5	92	94	90	88.5	90	94.5	86	87.5	92	86	88	92		125
130	86.5	88	92	89	90.5	88.5	84	85.5	89	86	88	89	83	84.5	88.5	80	81.5	86	80.5	82	86		130
135	81.5	82.5	86.5	83.5	85	85.5	78.5	80	83.5	81	82.5	85.5	77.5	79	83	75	76.5	80.5	75.5	77	80.5		135
140	76	77.5	81	78.5	80	82.5	73.5	74.5	78.5	75.5	77.5	81	72.5	74	77.5	70	71.5	75	70.5	72	75.5		140
150	66.5	68	71	69	70.5	74.5	64	65.5	68.5	66.5	68	72.5	63.5	64.5	68	60.5	62	65.5	61.5	62.5	66		150
160	58.4	59.5	62.5	60.5	62	66	55.8	56.9	59.9	57.9	59.5	63.5	55	56.2	59.2	52.5	53.7	56.8	53.1	54.3	57.4		160
170	51	52	54.6	53	54.4	57.9	48.4	49.4	52.1	50.5	51.9	55.6	47.7	48.8	51.5	45.2	46.3	49.1	45.9	47	49.8		170
180	44.5	45.4	47.8	46.5	47.8	51	41.9	42.9	45.4	44.1	45.4	48.7	41.3	42.3	44.8	38.8	39.8	42.4	39.6	40.6	43.2		180
190	38.6	39.5	41.7	40.6	41.8	44.8	36.1	37	39.3	38.2	39.4	42.5	35.5	36.4	38.7	33	34	36.3	33.8	34.7	37.1		190
200	33.3	34.1	36.1	35.2	36.3	39	30.8	31.6	33.7	32.8	33.9	36.8	30.2	31	33.1	27.7	28.6	30.8	28.5	29.4	31.6		200
210	28.4	29.1	30.9	30.3	31.3	33.8	25.9	26.7	28.6	27.9	28.9	31.5	25.3	26.1	28	22.9	23.7	25.7	23.7	24.5	26.5		210
220	24.1	24.8	26.4	25.9	26.8	29.1	21.6	22.3	24	23.5	24.5	26.9	21	21.7	23.5	18.6	19.3	21.2	19.4	20.2	22		220
230	20.1	20.7	22.2	21.9	22.7	24.8	17.6	18.3	19.9	19.5	20.4	22.6	17	17.7	19.3	14.6	15.3	17	15.4	16.1	17.8		230
240	16.4	17	18.3	18.1	18.9	20.8	14	14.6	16	15.8	16.6	18.6	13.4	14	15.4	11	11.6	13.1	11.8	12.4	14		240
250	13	13.6	14.8	14.7	15.4	17.2	10.6	11.1	12.4	12.3	13.1	14.9		10.5	11.9								250
260	9.9	10.4	11.4	11.6	12.2	13.8	7.5	8	9.2	9.2	9.9	11.6		7.4	8.6								260
270			8.3	8.7	9.3	10.7						8.5											270

TAB 181111

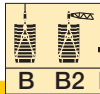


M



HSL4DFB/B2/BW

HSL4 236 - 453

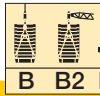


550000 - 771000 lbs
331000 - 550000 lbs
0 - 331000 lbs
0 lbs

ft		0 lbs																								
		236		256		276		295		315		335		354		374		394		413		433		453		
		11°	16°	11°	16°	11°	16°	11°	16°	11°	16°	11°	16°	11°	16°	11°	16°	11°	16°	11°	16°	11°	16°	11°		
45	- B B2 BW	302		302																						
		302		302																						
		302		302																						
50	- B B2 BW	302		302																						
		302		302																						
		302		302																						
55	- B B2 BW	298	291	295	292	291	285	285		274																
		302	291	302	293	302	289	302		302																
		302	290	302	292	302	289	302		302																
60	- B B2 BW	288	278	278	281	268	272	258	257	248	252	241	246	232		226										
		302	279	302	284	302	283	302	276	301	270	296	266	285	259	266										
		302	278	302	284	302	282	301	274	301	271	292	266	285	259	265										
65	- B B2 BW	263	264	254	257	245	248	236	239	226	230	220	224	212	213	206	207	197	202	192	189	187		172		
		302	267	302	273	302	275	302	271	298	266	292	264	282	256	263	240	244	228	223	208	193	173			
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		294	239	295	246	294	251	285	255	283	254	278	254	271	247	255	233	239	223	218	204	193	186			
		293	239	295	245	294	251	274	248	282	255	266	244	267	246	253	233	239	222	215	202	193	185			
85	- B B2 BW	191	193	184	186	177	179	170	172	162	164	157	161	150	154	146	149	142	146	138	140	134	137	130		
		284	231	288	237	288	243	278	248	279	249	272	250	267	245	253	231	237	221	216	203	191	186			
		283	230	288	236	288	243	266	242	275	249	260	239	262	241	250	230	236	221	213	200	191	184			
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		273	223	279	229	282	235	258	236	269	243	254	233	257	237	246	227	234	219	210	198	190	182			
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		263	216	271	223	274	228	264	232	270	237	258	239	260	238	247	226	233	218	212	200	188	184			
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100	- B B2 BW	154	156	148	150	142	144	136	138	129	131	125	128	119	122	115	118	111	115	108	110	105	107	101		
		252	210	262	216	267	222	257	226	265	232	252	233	256	235	244	224	231	216	209	198	186	182			
		252	209	261	216	267	222	245	223	256	230	242	223	247	229	239	220	228	214	205	193	186	179			
105	- B B2 BW	144	146	138	140	133	134	127	128	120	121	116	119	110	113	107	109	103	106	99.5	102	96.7	99	93.3		
		243	203	253	210	259	216	250	220	259	226	246	228	252	233	241	222	229	214	207	195	183	181			
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110	- B B2 BW	135	137	130	131	124	126	118	120	111	113	108	110	102	105	98.8	101	95.2	98.4	92	94.1	89.3	91.5	86.1		
		235	197	245	203	252	210	243	214	254	221	240	223	246	230	238	220	226	213	204	193	183	179			
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115	- B B2 BW	127	128	122	123	116	118	110	112	104	105	100	103	94.4	97.3	91.4	93.4	88	91.1	84.9	86.9	82.4	84.4	79.2		
		227	191	237	198	245	204	235	209	249	216	235	218	241	226	234	217	224	211	201	191	182	177			
		227	191	237	198	245	204	226	207	238	214	226	210	233	217	226	210	219	206	198	186	180	173			
120	- B B2 BW	119	121	114	115	109	110	103	105	96.4	98.1	92.9	95.6	87.4	90.2	84.6	86.5	81.3	84.3	78.3	80.2	75.9	77.8	72.9		
		220	186	230	193	238	199	228	203	243	210	229	214	236	221	229	214	220	209	198	188	181	175			
		220	185	230	193	238	198	219	202	232	208	221	206	229	213	223	207	216	203	195	184	178	171			
125	- B B2 BW	120	185	230	193	238	199	220	202	235	209	221	206	229	214	223	207	216	204	195	183	178	172	156		
		212	113	107	108	102	103	96.2	97.7	89.7	91.3	86.3	88.9	80.9	83.7	78.2	80	75	77.9	72.1	74	69.8	71.7			
		213	181	223	188	232	194	222	198	238	205	224	209	232	217	225	210	217	206	195	185	180	174			
130	- B B2 BW	212	180	223	188	231	194	214	196	226	203	216	202	225	209	219	203	212	200	192	181	176	170	154		
		212	181	223	188	231	194	214	196	230	204	216	202	225	210	219	204	212	201	193	181	176	170			
		206	175	216	183	225	189	216	193	233	200	219	204	227	212	221	207	213	203	192	182	177	171			
135	- B B2 BW	205	175	216	183	225	189	208	192	221	198	211	198	220	206	215	200	209	198	190	179	174	167	152		
		206	175	215	183	225	189	209	192	224	199	211	198	221	206	216	200	209	198	190	178	174	168			
		99.4	100	94.8	96	89.6	90.9	84.4	85.8	78.1	79.6	74.9	77.3	69.6	72.2	67.1	68.7									

HSL4DFB/B2/BW

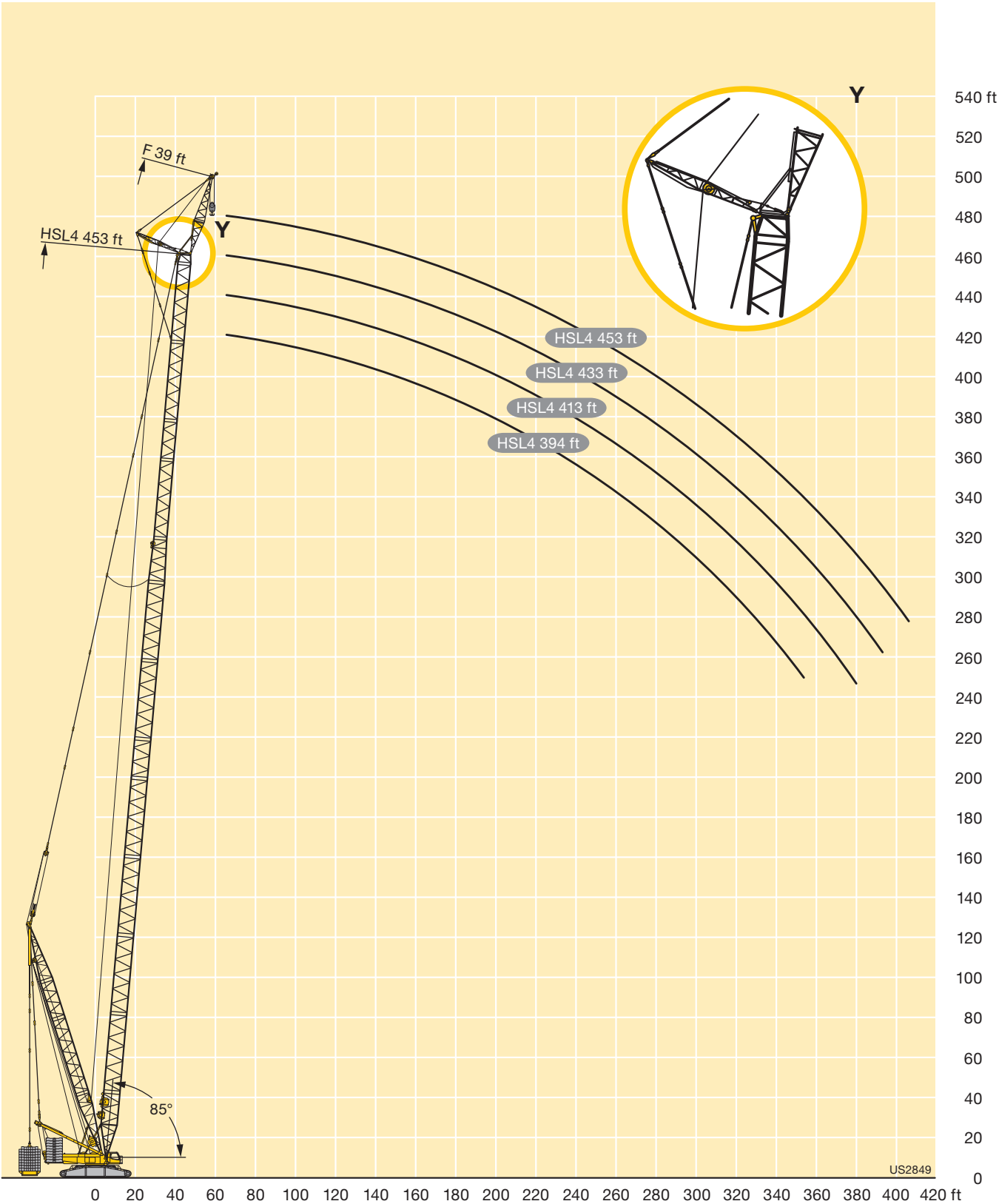
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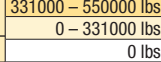
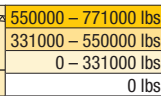


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331000 - 550000 lbs
0 - 331000 lbs
0 lbs

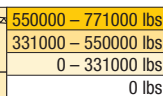
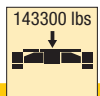
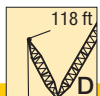
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		11°	16°	11°	16°	11°	16°	11°	16°	11°	16°	11°	16°	11°	16°	11°	16°	11°	16°	11°	16°	11°			
180	- B B2 BW	57.5	58.1	54.4	55.1	50.4	51.3	45.9	46.8	40	41	37.2	39.1	32.3	34.4	30.2	31.4	27.7	29.9	25.4	26.6	23.6	24.8	21.4	
		159	142	167	147	175	152	169	156	179	161	170	164	179	172	176	172	176	168	161	156	153	149	135	
		159	141	167	147	175	152	166	155	178	161	170	161	179	170	178	169	178	169	163	155	152	147	133	
		159	141	167	147	175	152	167	156	181	161	170	161	179	170	178	168	178	170	163	155	152	147	133	
190	- B B2 BW	50.9	51.4	47.8	48.4	44.2	44.9	39.7	40.5	33.9	34.8	31.1	32.9	26.3	28.3	24.3	25.3	21.8	23.9	19.5	20.7	17.8	18.9	15.6	
		153	136	161	142	168	147	162	150	173	155	163	157	172	164	170	163	169	162	155	150	146	143	130	
		152	136	160	142	167	147	161	150	172	156	165	157	174	165	172	163	171	164	157	150	147	142	128	
		152	136	160	142	168	147	161	150	175	156	164	157	174	165	172	163	172	164	158	150	147	142	128	
200	- B B2 BW	44.9	45.4	41.8	42.3	38.5	39.1	34.1	34.8	28.3	29.1	25.6	27.3	20.8	22.7	18.8	19.8	16.4	18.4						
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		147	131	153	137	161	142	156	145	169	150	159	152	169	160	167	158	166	159	152	145	142	138	124	
210	- B B2 BW	39.5	39.9	36.4	36.9	33.1	33.7	29	29.6	23.3	24	20.5	22.1		17.6										
		141	127	148	133	155	138	151	141	163	145	153	146	162	155	160	153	158	152	145	139	136	132	122	
		141	127	147	133	154	138	152	141	162	146	154	148	163	155	163	155	162	155	148	141	137	133	120	
		141	128	148	132	155	137	152	141	164	145	154	148	164	156	163	154	162	156	148	141	137	133	120	
220	- B B2 BW	34.8	35.2	31.7	32.1	28.4	28.9	24.5	25	18.7	19.4	16	17.6		13										
		136	124	143	129	149	134	148	137	158	141	148	143	156	151	155	149	154	147	141	136	132	128	117	
		135	124	142	129	149	134	148	136	158	142	150	145	159	151	158	151	158	152	144	138	133	130	116	
		136	124	143	128	149	133	148	137	159	141	150	144	159	151	158	151	158	152	144	138	134	130	116	
230	- B B2 BW	30.4	30.7	27.3	27.7	24	24.5	20.3	20.8	14.6	15.2														
		131	120	138	125	144	130	145	133	154	137	144	140	151	146	150	144	150	145	143	137	133	128	125	111
		131	120	137	125	144	130	145	133	154	138	147	141	155	147	154	147	154	148	140	135	130	127	113	
		131	120	138	125	145	130	145	133	154	137	146	141	155	147	154	147	154	148	140	135	130	127	113	
240	- B B2 BW			23.3	23.6	20	20.4	16.4	16.9																
				133	122	140	126	141	129	149	134	141	137	148	142	146	141	146	141	133	130	124	122	108	
				133	122	140	126	141	129	150	134	143	138	151	143	151	144	150	145	137	131	127	124	110	
				133	121	140	126	141	129	150	134	143	138	152	143	150	144	150	145	137	132	127	124	110	
250	- B B2 BW					16.3	16.6																		
				135	123	138	126	145	130	138	134	145	139	144	138	142	137	130	126	121	119	119	105		
				135	123	138	126	145	130	139	135	148	139	148	141	146	142	133	128	124	121	117	107		
				135	123	138	126	146	130	139	135	148	140	147	141	147	141	133	129	124	121	118	107		
260	- B B2 BW					12.9	13.2																		
				131	120	135	123	141	127	136	131	142	136	141	136	140	135	126	122	118	116	116	103		
				131	120	135	123	141	127	137	132	144	136	145	138	144	139	130	126	122	121	118	104		
				131	120	135	123	142	127	136	132	145	136	144	138	144	139	130	125	121	118	118	104		
270	- B B2 BW							13.2	121	138	124	133	129	140	133	139	133	138	134	123	119	114	111	99.6	
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								132	121	137	125	134	129	142	133	141	135	141	137	128	123	118	116	102	
280	- B B2 BW									13.4	122	131	126	138	130	136	131	135	132	121	117	112	109	96.1	
										133	121	132	126	139	130	139	133	138	135	125	121	116	114	99.2	
										133	122	131	126	140	130	137	132	138	134	125	121	116	114	99.2	
290	- B B2 BW									130	120	129	124	136	127	132	128	132	129	119	115	110	107	94.2	
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300	- B B2 BW									127	118	129	121	134	125	128	126	128	126	117	114	108	105	92.3	
										127	117	128	121	135	125	134	127	133	130	120	116	111	109	95.2	
										126	117	127	121	135	124	131	127	130	128	120	117	111	110	95.3	
310	- B B2 BW												127	119	128	122	125	123	123	114	111	106	104	90.4	
										127	119	133	123	132	125	130	128	118	114	109	107	107	93.2		
										126	119	130	122	127	125	125	125	124	117	114	109	107	93.3		
320	- B B2 BW														122	119	120	120	118	117	110	108	101	88.5	
															130	121	129	122	127	126	116	113	107	91.3	
															125	120	123	121	120	120	113	111	106	91.3	
330	- B B2 BW															115	115	113	113	107	106	100	98.9	86.7	
															126	120	124	124	114	111	105	104	89.4		
															117	117	115	115	110	108	103	103	89.3		
340	- B B2 BW															109	109	107	108	103	103	97.1	96.2	85.1	
															121	118	119	120	112	110	104	103	88.1		
															112	112	110	110	106	106	100	100	88		
350	- B B2 BW																	102	103	99.3	99.3	93.9	93.4	83.6	
															114	114	109	108	101	103	101	101	86.8		
															104	105	102	102	102	102	97.4	97.6	86.7		
360	- B B2 BW																		97.4	94.5	94.7	90.4	90.3	82.1	
																			109	106	105	101	99.9	85.5	
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TAB 181371 / 181373 / 181377



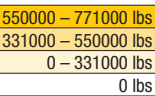
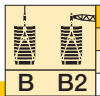


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60	-	223	228	218	223	214		209		206		202							
	B	293	264	289	260	283	256	277		269		262		262					
	B2	291	262	289	260	282	256	277		269		263							
65	-	204	208	199	204	195	198	191	193	188	190	184	186	177	181	172	176	170	175
	B	288	259	284	257	278	253	273	250	267	245	261	240	261	241	253	236	245	230
	B2	285	258	285	256	279	253	274	249	266	244	261	240	263	241	255	236	246	230
70	-	187	191	183	187	179	183	175	179	172	176	169	172	164	167	159	163	157	162
	B	284	255	280	254	275	250	270	247	264	243	259	238	260	239	252	234	243	229
	B2	277	253	279	252	275	250	271	247	264	243	259	238	261	239	254	235	245	229
75	-	172	176	168	172	165	168	160	164	158	162	155	158	150	153	146	149	144	148
	B	280	252	277	250	272	247	267	244	261	240	257	236	258	237	251	232	242	228
	B2	270	247	273	248	271	247	268	245	261	240	257	236	259	237	253	233	243	228
80	-	158	162	154	158	151	155	147	151	145	149	142	145	137	140	133	136	131	136
	B	276	249	273	247	269	244	264	241	259	238	255	234	256	235	249	231	241	226
	B2	263	241	267	244	267	244	265	242	259	238	255	234	257	235	251	231	242	227
85	-	146	150	142	146	139	143	135	139	133	137	130	133	126	129	122	125	120	124
	B	270	246	268	244	265	241	262	239	256	235	252	232	254	233	247	229	238	225
	B2	256	235	261	240	264	241	262	239	257	236	253	232	255	234	249	230	241	226
90	-	135	139	131	135	129	132	125	128	123	126	120	123	116	118	112	114	110	114
	B	264	241	264	240	262	238	258	236	253	233	250	230	251	231	245	227	237	223
	B2	249	229	255	235	258	237	259	237	254	233	251	231	253	232	248	228	240	224
95	-	125	128	121	125	119	122	115	118	113	117	111	113	106	109	102	105	101	105
	B	257	235	259	237	259	235	255	234	250	230	248	228	249	229	243	226	235	222
	B2	243	224	249	230	253	233	254	233	251	231	249	229	251	230	246	227	238	223
100	-	116	119	112	115	110	113	106	109	104	108	102	104	97.5	99.9	93.8	96.3	92.6	96.2
	B	251	230	254	233	255	233	253	232	248	228	245	226	247	227	241	224	234	220
	B2	237	219	243	225	247	228	250	230	248	228	247	227	249	228	244	225	237	222
105	-	107	110	104	107	101	104	97.7	101	96.1	99.3	93.7	95.9	89.4	91.7	85.8	88.2	84.7	88.2
	B	245	225	249	230	252	231	250	229	246	226	244	223	245	226	240	222	232	219
	B2	231	213	237	219	241	223	245	226	245	226	245	225	248	227	243	224	236	220
110	-	99.7	103	96.2	99.1	93.8	96.8	90.3	93.4	88.7	91.9	86.4	88.5	82.2	84.3	78.6	80.9	77.6	81
	B	239	220	244	227	248	228	247	228	243	224	241	222	243	224	238	221	231	217
	B2	225	209	231	214	236	219	240	223	241	223	243	223	246	225	241	223	234	219
115	-	92.6	95.3	89.1	92	86.8	89.7	83.3	86.3	81.8	84.9	79.5	81.6	75.4	77.5	71.9	74.1	70.9	74.2
	B	233	215	239	222	243	225	243	225	240	222	238	220	241	222	236	219	230	216
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120	-	85.9	88.6	82.5	85.3	80.2	83	76.8	79.7	75.4	78.3	73.1	75.1	69	71	65.6	67.7	64.7	67.9
	B	226	210	233	218	238	220	238	221	236	220	235	218	238	220	234	218	228	215
	B2	215	200	221	205	227	210	231	215	234	218	237	219	242	222	238	220	232	217
125	-	79.7	82.3	76.3	79	74.1	76.8	70.8	73.6	69.4	72.2	67.2	69	63.1	65	59.7	61.7	58.8	61.9
	B	219	205	228	213	233	216	234	216	233	216	231	215	234	218	230	216	225	213
	B2	210	195	216	201	222	206	227	211	230	214	234	216	239	219	236	219	230	216
130	-	74	76.5	70.6	73.2	68.5	71.1	65.2	67.9	63.9	66.6	61.7	63.4	57.6	59.5	54.3	56.2	53.4	56.5
	B	214	200	222	208	228	212	230	213	230	213	227	212	231	214	227	213	222	211
	B2	204	191	211	197	217	202	222	208	225	211	230	213	236	216	233	216	228	215
135	-	68.8	71.2	65.5	68	63.4	66	60.1	62.8	58.8	61.5	56.7	58.4	52.7	54.4	49.3	51.2	48.5	51.5
	B	208	195	216	203	222	208	226	209	226	210	223	209	228	212	225	210	220	209
	B2	199	186	206	193	213	198	218	204	221	207	226	210	232	213	231	213	226	213
140	-	63.8	66.2	60.5	63	58.5	61	55.2	57.8	54	56.6	51.8	53.5	47.8	49.5	44.6	46.3	43.8	46.7
	B	203	190	210	198	217	203	222	205	223	207	220	207	225	209	223	208	218	207
	B2	194	182	201	188	208	194	213	200	217	204	223	207	229	210	228	211	224	212
150	-	54.6	56.9	51.4	53.7	49.4	51.8	46.2	48.7	45.1	47.5	43	44.5	39	40.6	35.8	37.4	35.1	37.9
	B	193	181	200	189	206	195	210	197	210	200	212	201	218	203	218	204	215	204
	B2	185	174	192	181	199	186	204	192	209	197	215	200	222	203	223	205	220	208
160	-	46.4	48.5	43.3	45.5	41.3	43.6	38.2	40.5	37.1	39.4	35	36.4	31.1	32.5	27.9	29.4	27.3	29.9
	B	183	173	191	181	195	187	195	188	198	192	204	192	210	198	212	199	210	201
	B2	176	167	183	173	190	179	196	185	201	190	208	194	215	197	218	200	216	205
170	-	39.1	41.1	36	38.1	34.1	36.2	31	33.2	30	32.2	27.9	29.2	24	25.3	20.9	22.3	20.3	22.8
	B	173	164	181	172	183	178	187	179	191	181	197	185	202	191	204	193	203	197
	B2	168	160	175	166	182	171	188	178	193	183	200	187	208	190	211	194	212	201
180	-	32.8	34.7	29.7	31.6	27.8	29.8	24.7	26.8	23.7	25.9	21.7	22.9	17.8	19	14.7	16	14.1	16.5
	B	164	157	171	164	172	170	179	169	183	174	190	179	193	184	195	185	196	188
	B2	161	153	167	159	174	164	180	171	186	176	193	181	201	184	205	188	206	194
190	-	26.9	28.7	23.9	25.7	22	24	19	21	18	20	16	17.1						
	B	156	150	160	156	166	159	171	163	176	167	183	173	186	178	189	178	191	183
	B2	155	148	161	154	167	158	173	165	178	170	186	175	194	178	198	181	200	188
200	-	21.6	23.3	18.5	20.3	16.7	18.6												
	B	149	145	156	149	161	153	164	157	168	161	175	166	179	170	183	173	185	178
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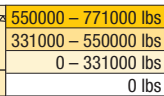
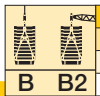
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290	B B2	124 122	121 120	127 127	123 123	129 131	126 127	133 135	128 128	137 138	130 131	134 145	132 132	131 143	129 135	132 143	128 136	130 146	131 137
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330	B B2			116 122	116 117	115 124	115 119	112 124	113 120	112 123	112 121	110 122	110 119	106 119	107 117	104 116	104 117	103 116	104 117
340	B B2			110 120	110 115	109 121	109 117	106 119	107 117	106 118	106 117	104 116	104 115	100 113	101 112	97.7 110	98 111	97.1 110	98.2 111
350	B B2							100 113	101 113	100 112	101 113	98.1 110	98.5 110	94.4 107	94.7 107	91.7 104	92 105	91.4 104	92.5 105
360	B B2									94.3 107	95.4 107	92.7 105	92.9 105	89.1 101	89.2 101	86.1 98.6	86.4 99	85.9 98.7	86.9 99.3
370	B B2													84.1 96	84.2 96.2	80.9 93.4	81.4 93.6	80.6 93.3	81.5 93.8
380	B B2													79.5 91.3	79.5 91.3	76.1 88.5	76.6 88.6	75.8 88.5	76.7 89
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TAB 181337 / 181357



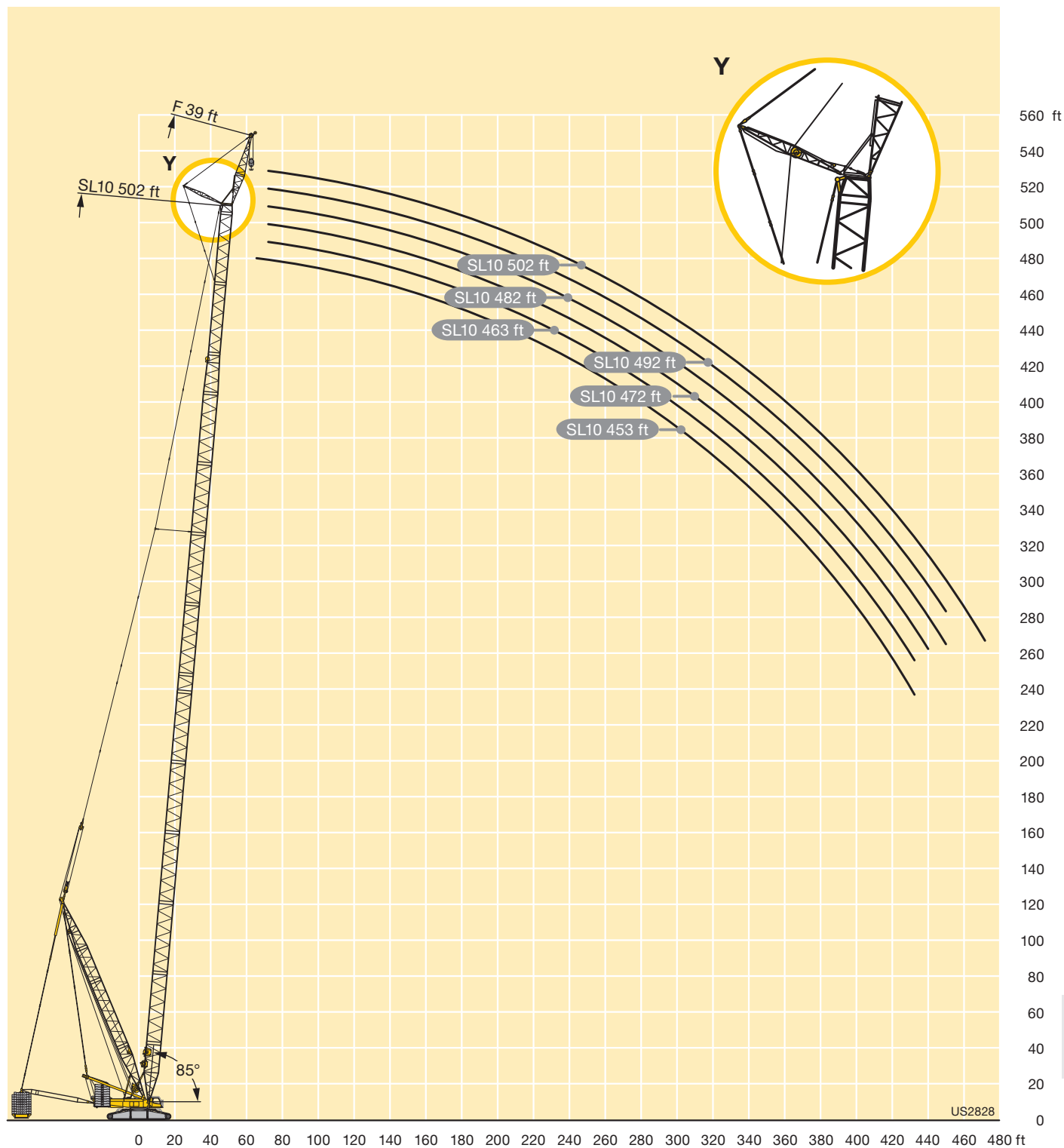
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	B	236	223	227		218													
	B2	237	225	227		219		203											
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	B	235	222	225		217		202											
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75	-	139	144	137	141	133	136	134	137	131	134	128	131	123	118	122			
	B	233	222	224	215	216	208	201	193	193	188	184	179	176	172	166			
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80	-	127	131	125	128	121	124	122	125	120	123	116	120	112	115	111	114		
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85	-	116	120	114	117	110	113	112	115	109	112	106	109	102	105	101	104		
	B	231	220	221	212	213	206	199	191	191	186	182	176	174	169	164	159		
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90	-	106	110	105	108	101	103	102	105	99.8	103	96.8	99.7	92.8	95.7	91.7	94.6		
	B	230	218	221	211	212	204	197	191	190	184	181	175	173	168	163	158		
	B2	232	219	223	212	214	204	199	190	190	186	182	176	175	168	164	158	156	154
95	-	97	101	95.7	98.4	91.7	94.4	93.4	96	91.1	93.8	88.3	91	84.3	87.1	83.3	86.1		
	B	228	217	219	210	210	203	196	190	188	183	179	173	172	167	161	156		
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100	-	88.6	92.4	87.4	89.9	83.5	86.1	85.3	87.8	83	85.6	80.3	82.9	76.5	79.1	75.6	78.2		
	B	226	216	218	209	209	202	194	189	187	182	178	172	170	166	160	155		
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105	-	80.8	84.4	79.7	82.1	75.8	78.3	77.7	80.1	75.6	78	72.9	75.4	69.2	71.7	68.3	70.8		
	B	224	213	216	207	207	200	192	188	186	180	177	171	169	164	158	154		
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110	-	73.8	77.3	72.7	75	68.9	71.3	70.9	73.2	68.8	71.1	66.2	68.6	62.5	64.9	61.8	64.2		
	B	223	212	215	206	205	199	191	186	185	178	175	170	167	163	157	152		
	B2	226	213	218	208	208	197	193	184	186	181	178	171	170	163	159	153	153	149
115	-	67.2	70.6	66.2	68.3	62.5	64.7	64.5	66.7	62.4	64.7	59.9	62.2	56.3	58.6	55.6	57.9		
	B	222	211	213	205	204	197	189	184	183	177	174	169	166	161	155	151		
	B2	223	212	217	206	206	195	192	183	185	180	177	170	168	161	157	151	152	148
120	-	61	64.3	60	62.1	56.4	58.6	58.5	60.6	56.5	58.6	54	56.2	50.5	52.7	49.9	52		
	B	220	210	211	205	203	195	187	183	181	176	173	167	164	160	154	149		
	B2	221	210	216	205	204	194	190	181	184	178	175	168	167	160	156	150	151	147
125	-	55.2	58.4	54.3	56.3	50.7	52.8	52.9	54.9	50.9	52.9	48.5	50.6	45	47.1	44.5	46.5		
	B	218	209	210	204	201	193	186	181	180	174	171	166	163	158	153	148		
	B2	219	208	214	204	202	192	188	180	184	177	174	167	165	158	154	148	150	146
130	-	49.9	53	49	50.9	45.5	47.5	47.7	49.6	45.7	47.7	43.4	45.4	39.9	42	39.4	41.5		
	B	214	207	207	202	199	191	184	179	179	173	170	165	162	157	152	147		
	B2	217	206	213	202	200	190	186	178	183	176	173	166	164	157	153	147	148	144
135	-	45	48.1	44.2	46	40.7	42.6	43	44.8	41	42.9	38.8	40.7	35.3	37.3	34.9	36.8		
	B	209	203	205	199	195	188	181	177	178	171	168	163	160	156	150	145		
	B2	215	204	211	201	198	188	185	176	181	174	171	164	162	156	151	145	147	143
140	-	40.3	43.3	39.5	41.3	36	37.9	38.4	40.1	36.5	38.3	34.2	36.1	30.8	32.7	30.4	32.3		
	B	207	199	203	194	192	185	179	175	176	170	166	162	159	154	149	144		
	B2	212	202	209	199	196	186	183	174	180	173	169	163	161	154	150	144	146	142
150	-	31.7	34.5	30.9	32.6	27.5	29.2	29.9	31.6	28.1	29.8	25.9	27.6	22.6	24.3	22.3	24		
	B	202	193	200	190	187	178	176	170	173	166	163	158	155	150	145	141		
	B2	207	197	205	195	192	182	179	171	177	170	166	160	158	151	147	141	143	140
160	-	23.9	26.6	23.2	24.8	19.9	21.5	22.3	23.9	20.5	22.1	18.4	20						
	B	197	189	196	186	183	175	172	165	170	164	160	154	151	146	142	138		
	B2	202	192	201	191	188	178	175	167	174	167	163	157	154	148	144	138	141	137
170	-	17	19.6	16.3	17.7	13	14.5	15.6	17	13.8	15.2	11.7	13.2						
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	B	183	177	184	176	172	165	163	157	162	157	153	148	145	139	135	132		
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190	-	178	171	179	171	167	159	157	152	158	152	149	144	141	136	131	126		
	B	185	178	187	178	174	165	164	156	164	158	154	148	144	139	134	129	132	129
200	-																		
	B	173	166	174	166	163	155	153	147	154	148	144	139	137	132	128	123		
	B2	180	173	182	174	169	161	159	152	160	154	150	144	141	135	131	126	130	127
210	-	168	161	170	162	158	151	149	143	150	145	141	136	133	128	124	121		
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220	-																		
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230	-	156	151	157	151	147	141	140	135	142	138	134	129	126	122	117	115		
	B	166	159	169	161	155	148	146	141	149	143	139	134	131	126	121	117		
240	-																		
	B	152	148	152	147	143	138	135	130	137	133	130	126	123	118	114	111		
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TAB 181337 / 181357



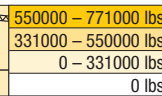
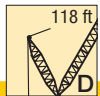
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350	B B2	88.7 102	90.1 103	87.9 101	88.4 101	84.9 98.3	85.2 98.5	87.9 101	88.1 101	85.2 99	85.4 99	83.2 96.9	83.7 96.4	79.9 92.3	80.8 91.9	79.5 89.9	79.3 88.7	87.9	88
360	B B2	83.2 96.3	84.6 97.4	82.6 95.6	83 95.8	79.7 93	80.1 93.2	82.8 95.7	83.1 96.2	80.3 93.8	80.5 94	78.4 92.1	78.9 92.1	75.2 88.2	76 88.3	75.2 87	75.2 86.3	84.2	84.6
370	B B2	77.8 90.7	79.2 91.9	77.3 90.1	77.6 90.3	74.5 87.7	75 87.9	77.8 90.5	78.2 91.1	75.5 88.7	75.8 88.9	73.7 87.2	74.3 87.5	70.6 83.9	71.3 84.4	70.9 83.8	71.2 83.6	80.4	81.2
380	B B2	73 85.6	74.1 86.8	72 84.6	72.2 84.9	69.3 82.4	70 82.6	72.8 85.4	73.2 86	70.6 83.6	71 83.8	69.1 82.2	69.6 82.6	66.1 79.1	66.8 79.7	66.7 79.9	67 80.2	76.5	77.8
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400	B B2	64.3 76.2	65 77.3	63.1 75.2	63.4 75.6	60.3 72.6	60.6 72.8	63.3 75.5	63.8 76.1	61.1 73.6	61.6 73.7	59.8 72.2	60.4 72.8	57.1 69.6	57.8 70.1	58.1 70.7	58.4 71	67.7	68.9
410	B B2			59 70.8	59.2 71.3	56.3 68.1	56.4 68.2	59.3 71.1	59.5 71.6	56.8 68.9	57.2 69	55.4 67.4	55.9 68	52.6 64.8	53.3 65.4	53.8 66.1	54.1 66.4	63.2	64.4
420	B B2							55.4 66.8	55.5 67.2	53 64.7	53.1 64.9	51.4 63.1	51.7 63.5	48.3 60.2	48.8 60.6	49.5 61.4	49.8 61.8	58.8	60
430	B B2							51.7 63	51.7 63.3	49.3 60.8	49.3 60.9	47.6 59	47.8 59.3	44.7 56.4	44.9 56.7	45.5 57.2	45.8 57.5	54.3	55.5
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450	B B2													37.6 49	37.6 49	38.2 49.5	38.4 49.9	46.6	47.5
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TAB 181337 / 181357

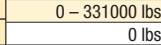
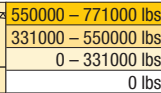


SL13DFB/B2

SL13 335 - 423

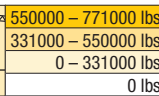


ft		SL13 335		SL13 344		SL13 354		SL13 364		SL13 374		SL13 384		SL13 394		SL13 404		SL13 413		SL13 423	
		11°	16°	11°	16°	11°	16°	11°	16°	11°	16°	11°	16°	11°	16°	11°	16°	11°	16°	11°	16°
55	B	256																			
	B2	303																			
60	B	239	242	234	238	230	235	225	230	223		218		212		207					
	B2	302	267	299	266	293	264	288	260	267	254	267		267		267		255			
	B	300	266	298	266	292	262	287		267		267									
65	B	217	221	213	217	209	214	205	209	203	204	198	200	193	194	188	190	184	187	179	183
	B2	297	263	294	263	289	259	285	257	267	252	267	248	267	249	266	244	255	237	247	231
	B	294	262	293	263	288	259	284	256	267	251	267	248	267	248	266	244	257	237	248	231
70	B	199	202	195	199	191	196	187	191	186	189	181	185	176	180	172	175	170	173	165	169
	B2	292	259	289	260	284	256	280	254	267	249	267	246	267	247	264	242	254	236	245	230
	B	286	256	287	259	284	256	281	253	267	249	267	245	267	247	265	242	256	236	247	230
75	B	183	186	178	182	175	179	171	175	170	173	166	169	161	164	156	160	155	158	150	154
	B2	287	255	285	256	280	253	277	251	267	246	266	243	267	245	262	240	252	234	244	229
	B	278	250	280	254	280	253	277	251	267	247	266	243	267	244	263	240	254	235	246	229
80	B	168	171	164	168	161	165	157	161	156	159	152	155	147	150	143	146	141	144	137	140
	B2	282	252	281	253	276	250	273	248	267	244	265	241	266	242	260	238	251	232	243	227
	B	269	244	274	250	276	250	274	248	267	244	266	241	266	242	261	238	253	233	245	227
85	B	154	157	151	154	148	152	144	148	143	146	139	142	134	137	130	134	129	132	125	128
	B2	275	248	276	249	273	247	269	245	267	242	262	239	263	240	258	237	249	231	241	226
	B	262	237	268	245	271	247	271	245	267	241	263	239	265	240	259	236	251	231	243	226
90	B	143	145	139	142	136	140	133	136	132	134	128	131	123	126	120	122	118	121	114	117
	B2	269	243	272	245	269	243	266	242	263	239	258	236	261	238	256	235	248	229	240	224
	B	255	231	261	239	265	243	266	242	264	239	261	237	262	238	257	235	249	230	242	225
95	B	132	134	128	132	126	129	122	126	121	124	118	120	113	116	109	112	108	111	104	107
	B2	263	238	267	241	266	240	263	240	261	236	256	233	258	236	253	232	245	227	238	223
	B	248	225	254	234	259	238	261	238	261	237	259	235	260	236	255	233	248	228	241	224
100	B	122	124	118	122	116	119	112	116	112	114	108	111	104	106	100	103	99	102	95.2	97.9
	B2	256	233	262	238	262	238	260	237	258	234	254	231	256	233	251	230	242	226	235	221
	B	241	219	248	228	253	233	257	235	257	234	256	233	258	234	253	232	246	227	239	223
105	B	113	115	109	113	107	110	104	107	103	105	99.8	102	95.1	97.5	91.6	94.1	90.5	93	86.8	89.3
	B2	249	228	257	234	259	235	257	235	255	232	252	229	254	232	249	229	242	224	234	219
	B	234	214	241	222	247	228	251	231	254	232	254	231	256	233	252	230	245	225	237	221
110	B	105	107	101	104	99	102	95.6	98.8	95.3	97.4	91.9	94.1	87.3	89.6	83.9	86.2	82.9	85.3	79.2	81.6
	B2	243	223	251	230	254	233	254	233	252	230	249	228	252	230	247	228	240	223	232	218
	B	228	209	236	217	241	223	247	228	250	229	252	229	254	231	250	229	243	224	235	219
115	B	97.1	99	93.7	96.7	91.5	94.5	88.2	91.3	87.9	89.9	84.6	86.7	80	82.2	76.7	78.9	75.8	78	72.2	74.4
	B2	237	217	244	226	249	228	250	229	249	227	246	226	250	228	245	226	239	221	231	217
	B	223	205	231	213	236	218	242	223	246	226	248	227	252	230	249	228	242	223	232	218
120	B	90	91.8	86.7	89.6	84.6	87.5	81.3	84.3	81	83	77.8	79.8	73.3	75.3	69.9	72.1	69.1	71.2	65.5	67.7
	B2	231	212	238	221	243	224	245	225	244	224	242	224	246	225	242	224	237	220	230	216
	B	218	200	225	208	231	214	237	219	241	223	244	224	249	227	246	226	240	222	230	216
125	B	83.4	85.1	80.1	82.9	78.1	80.9	74.8	77.7	74.6	76.5	71.4	73.3	66.9	68.9	63.6	65.7	62.8	64.9	59.3	61.5
	B2	225	207	232	216	238	219	240	220	240	220	237	219	241	222	238	222	233	218	228	215
	B	212	196	220	204	225	210	232	215	237	219	240	220	245	224	243	223	238	221	227	214
130	B	77.3	79	74.1	76.8	72.1	74.8	68.9	71.7	68.8	70.5	65.6	67.4	61.1	63	57.9	59.8	57.1	59.1	53.7	55.7
	B2	218	202	226	210	232	214	236	216	236	216	233	216	238	219	234	218	230	215	222	212
	B	207	191	215	200	220	205	227	211	232	215	236	217	242	220	241	220	236	218	225	211
135	B	71.9	73.5	68.7	71.3	66.7	69.4	63.5	66.3	63.4	65.1	60.3	62.1	55.8	57.7	52.6	54.5	51.9	53.8	48.5	50.5
	B2	211	197	220	205	227	209	231	211	232	212	229	213	234	215	231	215	227	213	217	207
	B	202	187	209	195	215	201	222	207	228	211	232	213	238	217	238	217	234	216	222	209
140	B	66.6	68.1	63.5	66	61.5	64.1	58.3	61	58.3	59.9	55.2	56.9	50.7	52.5	47.6	49.4	46.9	48.7	43.5	45.4
	B2	205	192	214	200	221	205	227	207	229	208	225	210	231	212	230	212	226	210	214	203
	B	197	183	204	191	210	197	218	203	223	207	228	209	235	213	236	214	232	213	219	206
150	B	57	58.3	53.9	56.3	52	54.4	48.9	51.4	48.9	50.4	45.8	47.4	41.4	43	38.3	40	37.7	39.3	34.4	36.1
	B2	194	182	203	191	209	196	216	198	218	200	217	204	224	205	225	206	222	206	209	198
	B	187	174	195	183	200	189	208	195	214	199	220	202	228	206	230	208	228	208	214	201
160	B	48.4	49.6	45.3	47.6	43.5	45.8	40.4	42.8	40.4	41.8	37.5	38.9	33	34.5	30	31.5	29.4	31	26.1	27.8
	B2	185	174	194	183	198	187	203	188	204	191	209	196	216	199	218	200	217	202	203	193
	B	178	167	185	175	191	181	199	187	206	191	211	195	220	199	224	201	224	203	208	196
170	B	40.8	41.9	37.7	39.9	35.9	38.1	32.9	35.1	33	34.2	30	31.3	25.6	27	22.5	24	22	23.5	18.8	20.3
	B2	175	165	184	174	186	180	190	179	196	184	201	187	206	192	208	193	209	196	197	187
	B	169	159	176	167	182	173	190	180	197	185	203	188	212	191	216	194	218	197	201	190
180	B	34.1	35.1	31.1	33.1	29.3	31.4	26.3	28.4	26.4	27.5	23.5	24.7	19	20.4	16	17.4	15.6	16.9		13.8
	B2	166	158	174	166	175	172	182	172	188	177	194	181	197	185	200	187	200	189	188	179
	B	163	153	169	161	175	166	182	172	189	178	195	181	204	184	209	187	211	191	195	18



ft		SL13 335		SL13 344		SL13 354		SL13 364		SL13 374		SL13 384		SL13 394		SL13 404		SL13 413		SL13 423	
		11°	16°	11°	16°	11°	16°	11°	16°	11°	16°	11°	16°	11°	16°	11°	16°	11°	16°	11°	16°
230	B B2	137 139	132 133	143 145	137 139	148 150	143 144	152 156	147 149	158 162	150 151	161 168	153 154	167 175	156 157	169 181	159 159	169 184	161 163	159 169	152 160
240	B B2	135 135	129 130	139 141	134 136	143 146	138 141	147 152	142 145	153 158	146 147	157 163	149 150	163 170	152 152	165 176	154 154	163 180	157 158	155 165	149 157
250	B B2	132 132	127 127	137 137	132 133	141 143	136 138	145 148	139 142	149 154	142 144	153 160	145 146	159 165	147 148	160 170	150 150	158 175	153 153	151 161	146 153
260	B B2	129 129	125 125	134 134	130 130	138 139	134 135	143 145	136 138	146 151	139 140	148 156	142 143	153 160	143 145	154 163	145 147	153 167	149 149	147 156	144 149
270	B B2	128 127	123 123	131 132	128 128	136 137	132 132	140 142	134 135	143 148	136 137	143 153	138 139	146 155	138 141	147 156	139 143	145 159	143 145	141 150	140 144
280	B B2	127 125	121 121	130 130	126 126	133 134	129 130	138 139	131 132	140 144	134 134	138 149	135 136	138 150	133 138	139 149	133 140	138 151	136 141	135 144	134 139
290	B B2	125 123	120 120	129 128	124 124	130 132	126 127	134 137	128 129	137 141	131 131	133 144	132 133	131 145	128 134	130 142	127 137	130 143	129 137	127 137	127 135
300	B B2	124 122	119 119	128 126	122 122	126 130	124 125	128 135	124 127	131 137	126 128	128 139	128 130	124 138	123 130	122 135	121 133	122 135	122 133	120 131	119 130
310	B B2	124 120	117 117	125 125	120 120	123 129	122 122	122 132	120 124	124 134	121 125	122 133	122 127	117 131	117 125	115 128	115 127	115 128	115 128	112 125	112 125
320	B B2	121 121	116 116	121 121	118 118	119 127	119 120	116 128	116 122	118 129	116 123	115 127	116 125	111 124	112 121	108 122	108 121	108 121	108 121	105 118	105 119
330	B B2			115 115	113 114	111 123	111 119	111 123	111 120	109 121	109 121	105 117	105 116	105 117	105 116	102 115	102 114	102 115	102 115	98.5 112	98.7 113
340	B B2			109 109	110 110	107 107	108 108	105 117	106 116	105 117	105 117	103 115	103 115	98.6 111	99.2 111	96.1 108	96.3 108	95.8 108	96.2 109	92.9 106	93.2 106
350	B B2							99.7 99.7	100 100	99.5 99.5	99.8 99.8	97.1 109	97.3 109	92.8 105	93.3 105	90 102	90.3 103	90 102	90.4 103	87.4 99.7	87.7 100
360	B B2									94.3 94.3	94.6 94.6	91.8 91.8	92 92	87.4 87.4	87.8 99.6	84.4 96.8	84.7 97.3	84.3 96.6	84.8 97	81.8 94.1	82.1 94.3
370	B B2													82.5 82.5	82.7 82.7	79.3 79.3	79.6 79.6	79 91.3	79.4 91.8	76.5 89	76.8 89.2
380	B B2													77.7 77.7	77.8 77.8	74.6 74.6	74.8 74.8	74.2 86.5	74.6 87	71.4 84	71.8 84.3
390	B B2															70.1 70.1	70.4 70.4	69.7 69.7	70.1 70.1	66.8 66.8	67.2 67.2
400	B B2																			62.6 62.6	63 63

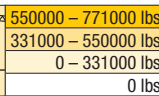
TAB 181508 / 181596



ft		SL13 433		SL13 443		SL13 453		SL13 463		SL13 472		SL13 482		SL13 492		SL13 502*		SL13 512*	
		11°	16°	11°	16°	11°	16°	11°	16°	11°	16°	11°	16°	11°	16°	11°	16°	11°	16°
65	-	177	181	172		173		168		165									
	B	230	225	228	217	212		204		195									
	B2	230		229		213													
70	-	163	167	158	155	159		155		152									
	B	230	224	227	216	211		204		194									
	B2	230		229		212													
75	-	148	152	144	148	145	149	141	145	138	143	135	139	133	137	130	128	126	112
	B	230	223	226	216	210	201	202	194	192	187	185	179	174	168	166	161	157	152
	B2	230	223	228	216	211	201	203	195	194	187	186	178	174	166	166	161	158	
80	-	135	139	131	134	132	136	129	132	125	130	123	126	121	125	118	121	114	118
	B	230	221	224	215	209	200	201	194	191	186	184	178	172	166	165	160	156	151
	B2	230	222	227	215	210	200	202	194	193	185	185	177	173	166	165	161	157	152
85	-	123	127	119	123	121	124	117	120	114	119	111	115	110	113	107	110	104	107
	B	230	221	223	214	207	199	199	192	190	184	182	177	171	165	164	159	156	150
	B2	230	221	225	214	209	199	201	193	192	184	184	176	172	165	165	159	157	151
90	-	113	116	109	112	110	113	107	110	104	108	101	105	100	103	96.9	100	93.9	97
	B	230	219	221	213	206	198	198	191	188	183	181	175	169	164	162	158	154	150
	B2	230	220	224	212	208	198	200	192	190	183	182	174	171	163	164	158	156	150
95	-	103	106	99.2	102	101	104	97.5	100	94.7	98.9	92.2	95.1	91.2	94.1	87.8	90.8	85	87.9
	B	229	218	220	212	204	197	197	190	186	182	179	173	168	162	161	156	153	148
	B2	230	219	222	210	206	196	199	191	189	181	181	173	169	162	163	157	155	149
100	-	94.1	96.8	90.3	93	92.1	94.8	88.7	91.4	86	90.1	83.6	86.4	82.8	85.5	79.4	82.3	76.7	79.5
	B	227	216	218	210	202	196	195	188	185	181	178	172	166	161	160	155	152	147
	B2	230	218	220	209	205	195	198	189	187	180	179	171	168	161	162	156	153	148
105	-	85.7	88.3	82	84.6	84	86.5	80.6	83.2	78	82	75.7	78.3	74.9	77.6	71.7	74.3	69	71.7
	B	225	214	216	208	200	195	193	186	183	179	176	170	165	160	159	154	150	146
	B2	229	217	218	207	203	193	197	188	186	179	178	170	166	159	161	154	152	146
110	-	78.2	80.7	74.6	77.1	76.6	79	73.3	75.8	70.8	74.6	68.5	71.1	67.8	70.3	64.6	67.2	62	64.6
	B	223	214	215	206	198	193	192	184	182	177	174	168	164	158	157	152	149	145
	B2	227	216	216	204	201	191	195	186	184	177	176	168	165	158	159	153	151	145
115	-	71.2	73.5	67.6	70	69.7	72	66.5	68.8	64	67.7	61.8	64.3	61.2	63.6	58	60.5	55.5	58
	B	222	213	213	204	197	191	190	183	180	176	173	167	162	156	156	151	148	143
	B2	226	214	214	202	199	189	194	185	183	176	175	167	163	156	158	152	150	144
120	-	64.7	66.9	61.1	63.4	63.3	65.5	60.1	62.3	57.7	61.3	55.5	57.9	55	57.3	51.8	54.2	49.4	51.7
	B	221	212	211	202	196	190	189	182	178	175	172	165	161	155	154	150	146	141
	B2	225	213	212	200	197	188	192	183	181	174	173	165	161	155	157	151	148	142
125	-	58.5	60.7	55	57.2	57.3	59.4	54.1	56.2	51.8	55.3	49.6	51.9	49.2	51.4	46	48.3	43.6	45.9
	B	219	211	210	200	195	188	188	182	177	173	170	164	159	153	153	148	145	140
	B2	223	211	210	198	196	186	191	182	179	173	171	164	160	153	155	149	147	141
130	-	52.9	54.9	49.4	51.5	51.7	53.8	48.6	50.6	46.3	49.7	44.2	46.3	43.8	45.9	40.7	42.9	38.3	40.5
	B	215	210	207	198	193	186	185	180	175	172	169	163	158	152	152	147	144	139
	B2	221	210	207	196	193	184	189	180	178	171	170	162	158	152	154	148	145	140
135	-	47.7	49.7	44.3	46.3	46.7	48.6	43.6	45.5	41.3	44.7	39.3	41.3	38.9	40.9	35.8	37.9	33.5	35.6
	B	213	206	203	195	190	183	183	178	173	170	167	161	156	150	150	146	142	138
	B2	219	208	205	194	191	182	187	179	176	169	168	160	156	150	153	147	144	138
140	-	42.8	44.7	39.4	41.3	41.8	43.7	38.7	40.6	36.5	39.8	34.5	36.5	34.2	36.1	31.1	33.2	28.8	30.9
	B	211	201	198	190	186	180	181	176	171	167	164	158	153	149	149	145	141	136
	B2	217	206	203	192	189	180	186	177	174	168	166	159	155	148	151	145	142	137
150	-	33.7	35.4	30.4	32.2	32.8	34.6	29.8	31.6	27.7	30.8	25.7	27.5	25.5	27.3	22.5	24.3	20.2	22.1
	B	207	197	193	184	182	174	178	170	167	162	160	154	149	145	146	141	138	132
	B2	213	201	198	187	185	176	182	174	171	165	163	155	151	145	148	142	139	134
160	-	25.5	27.1	22.3	23.9	24.8	26.4	21.8	23.4	19.7	22.7			19.5		19.3			
	B	203	192	189	180	178	169	174	167	164	158	156	150	146	142	142	138	134	129
	B2	208	197	193	183	181	172	179	170	167	161	159	152	148	141	145	139	136	131
170	-	18.2	19.7	15	16.5	17.6	19.1	14.6	16.2	12.6	15.4			12.3		12.2			
	B	198	188	184	175	174	165	171	164	161	155	153	146	142	139	139	134	131	127
	B2	203	192	188	178	177	168	176	167	164	158	156	149	144	138	142	137	134	128
180	-	188	180	176	169	168	160	166	161	157	152	149	143	138	135	136	131	128	125
	B	198	187	183	173	172	164	171	163	160	155	152	145	141	135	139	134	131	126
190	-	182	175	171	162	161	155	161	155	152	147	144	139	135	131	133	129	125	122
	B	192	182	178	168	167	159	167	160	156	151	148	142	137	131	136	131	128	123
200	-	176	171	166	158	157	150	157	150	147	142	140	134	130	126	129	125	122	118
	B	186	177	172	164	163	155	163	156	152	147	144	138	133	128	133	128	125	120
210	-	171	166	162	154	153	146	153	146	143	139	136	131	127	123	126	121	118	114
	B	181	172	167	159	158	151	159	152	148	143	140	134	130	125	129	125	121	117
220	-	165	161	157	149	148	142	149	143	139	135	133	127	123	120	123	118	115	111
	B	177	168	163	154	153	147	155	148	144	140	137	131	126	122	126	122	118	114
230	-	160	154	149	144	143	137	144	139	136	132	129	124	120	116	120	115	112	109
	B	173	164	159	151	150	143	151	145	140	136	133	127	123	118	123	119	115	111
240	-	155	151	146	141	139	133	138	133	131	128	125	120	117	113	117	113	109	106
	B	169	161	156	148	147	140	148	142	137	133	130	124	120	115	120	116	112	109

* raisable only with B2 · seulement relevable avec B2

TAB 181508 / 181596

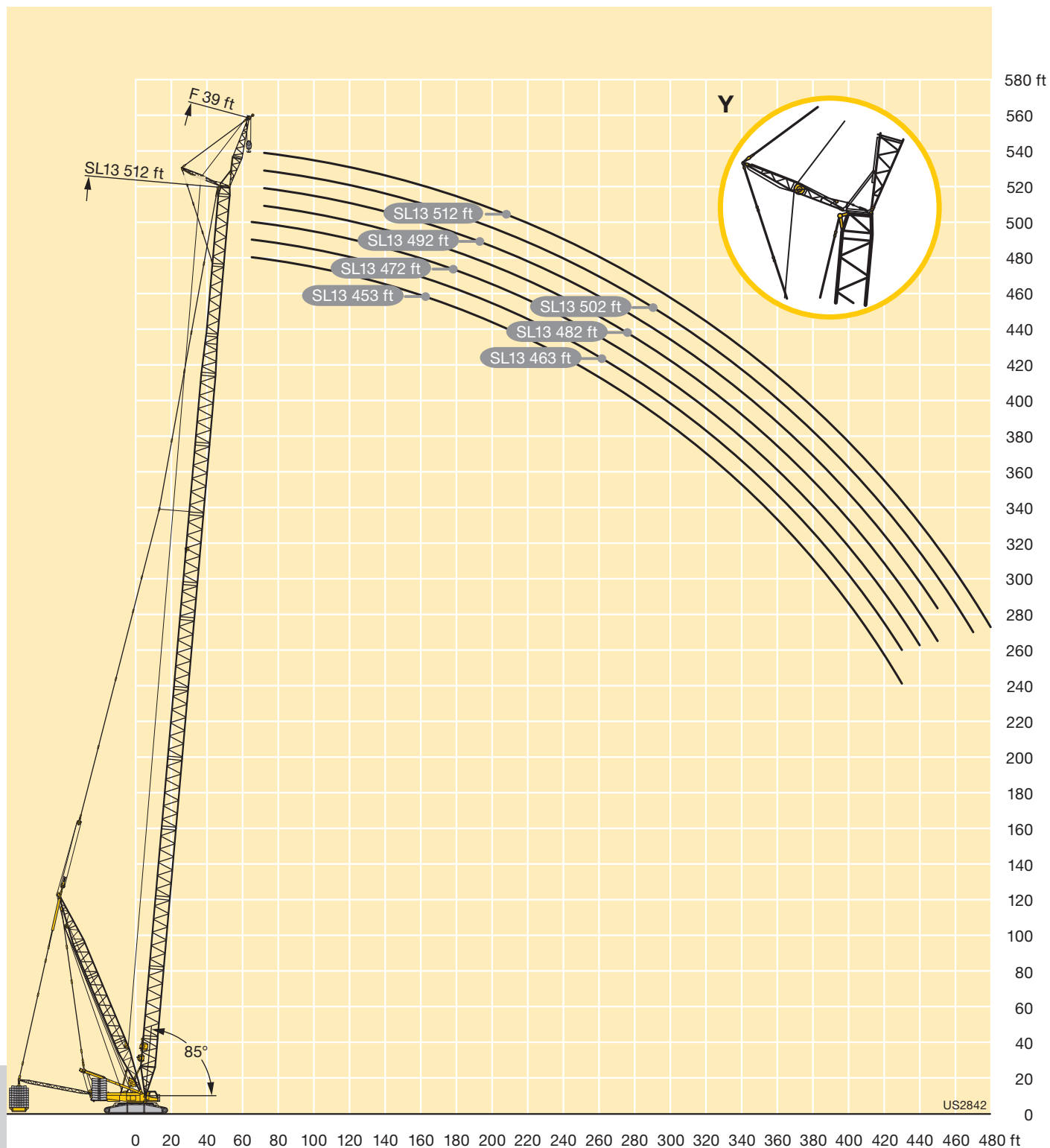


ft		SL13 433		SL13 443		SL13 453		SL13 463		SL13 472		SL13 482		SL13 492		SL13 502*		SL13 512*	
		11°	16°	11°	16°	11°	16°	11°	16°	11°	16°	11°	16°	11°	16°	11°	16°	11°	16°
250	B	150	147	142	138	136	131	134	130	127	124	121	117	113	110	113	110	106	104
	B2	165	158	152	145	144	137	145	139	135	131	127	122	117	113	117	113	109	106
260	B	145	143	138	136	133	128	130	127	124	122	118	115	110	106	109	106	102	100
	B2	161	154	148	142	140	135	142	137	132	128	124	120	115	111	115	111	107	104
270	B	140	140	134	133	130	126	126	124	121	119	115	113	108	104	106	104	99.3	97.6
	B2	154	149	144	138	137	131	139	134	129	126	122	117	112	108	113	109	105	102
280	B	134	134	130	129	127	123	122	122	118	117	113	111	106	103	104	102	97	95.6
	B2	147	142	138	133	133	128	135	130	126	123	119	115	110	106	110	107	102	99.9
290	B	126	127	123	124	123	120	118	118	114	114	110	109	104	101	101	99.8	94.8	93.5
	B2	139	136	132	129	129	125	130	126	122	120	116	112	107	104	108	105	99.6	97.9
300	B	119	120	116	117	117	114	112	113	110	111	107	107	102	98.6	98	97.6	92.6	91.4
	B2	132	130	126	124	124	122	124	122	118	116	112	109	105	102	105	103	97.2	95.9
310	B	112	113	109	110	110	109	106	107	104	106	102	102	98.2	95.9	94.9	95.4	90.4	89.3
	B2	124	124	121	119	120	118	119	117	114	113	109	106	102	99.9	102	100	94.6	93.7
320	B	104	105	102	103	104	103	100	101	98.7	99.9	96.4	96.8	93.9	92.2	90.9	91.9	87.3	86.6
	B2	117	118	115	114	116	115	113	112	110	109	105	103	100	98	99	97	92	91.3
330	B	97.4	98.4	95.1	96	97.9	97.5	94.5	95.3	92.9	94.2	90.9	91.3	89.2	87.8	86.1	87	83.3	83.1
	B2	111	112	109	109	111	111	108	108	105	106	101	100	97.7	96.1	95.7	94.2	89.5	89
340	B	91.8	92.4	88.7	89.4	91.6	91.8	88.5	89.4	87.2	88.5	85.3	85.8	84.4	83.4	81.3	82.1	78.7	78.6
	B2	105	106	103	103	106	106	102	103	101	102	97.7	97.3	95.3	94.2	92.4	91.3	87	86.6
350	B	86.5	87	83.4	84	86.3	86.6	83	83.6	81.4	82.9	79.8	80.2	79.6	78.9	76.5	77.2	74.1	74.2
	B2	99.3	99.9	97	97.3	100	100	96.8	97.5	95.7	97	93.3	93.5	92.9	92.3	89.1	88.5	84.5	84.2
360	B	81.2	81.6	78.3	78.8	81.3	81.6	77.9	78.4	76.3	77.6	74.5	74.8	74.8	74.5	71.7	72.3	69.5	69.7
	B2	93.5	94.1	91.1	91.4	94.4	94.7	91.3	92	90.3	91.7	88.3	88.8	89	88.9	85.3	85.2	82	81.8
370	B	75.8	76.2	73.1	73.5	76.3	76.7	73.1	73.5	71.5	72.7	69.4	69.6	70.1	70.1	66.9	67.4	64.9	65.3
	B2	88.1	88.6	85.4	85.8	88.9	89.1	85.8	86.6	84.9	86.3	83.1	83.6	83.9	84.3	80.9	81.3	78.9	78.9
380	B	70.6	70.8	68	68.3	71.3	71.8	68.3	68.7	66.9	68	64.9	65.2	65.6	65.7	62.2	62.6	60.3	60.8
	B2	83.1	83.3	80.3	80.8	83.6	83.7	80.3	81.2	79.5	80.9	77.9	78.4	78.8	79.2	76	76.4	74.2	74.5
390	B	66	66.2	63.3	63.4	66.3	66.9	63.5	63.8	62.3	63.4	60.3	60.7	61.3	61.3	57.9	58.3	56.1	56.5
	B2	78.3	78.5	75.4	75.9	78.8	78.9	75.5	76.2	74.3	75.6	72.7	73.1	73.8	74.2	71.1	71.5	69.5	69.8
400	B	61.6	61.8	58.9	59	61.8	62.4	58.9	59.1	57.7	58.7	55.8	56.2	56.9	57	53.6	54	51.9	52.3
	B2			70.8	71.2	74.2	74.4	70.9	71.5	69.6	70.7	67.8	68.2	68.7	69.1	66.1	66.6	64.7	65.1
410	B	57.4	57.6	54.7	54.8	57.8	58.1	54.6	54.8	53.3	54.3	51.3	51.7	52.5	52.7	49.3	49.7	47.8	48.2
	B2							66.5	67	65.2	66.1	63.2	63.6	63.9	64.3	61.3	61.8	60	60.4
420	B					53.8	54.1	50.5	51	49.2	50.2	46.8	47.3	48.2	48.4	45.1	45.5	43.7	44.1
	B2											58.7	59.2	59.7	60	56.8	57.1	55.3	55.7
430	B					50.1	50.3	46.8	47.2	45.3	46.4	43.2	43.5	44.1	44.3	40.8	41.2	39.6	39.9
	B2											54.7	55.2	55.7	56	52.6	52.9	51.1	51.5
440	B							43.5	41.7	42.7	39.6	39.8	40.2	40.4	37	37.3	35.6	35.9	
	B2												51.8	52	48.7	48.9	47	47.5	
450	B											36	36.3	36.5	36.8	33.4	33.8	31.8	32
	B2																	43.2	43.6
460	B													33.4	29.8	30.2	28.1	28.5	
	B2																		
470	B													30.2	26.5	26.7	24.9	25.2	
	B2																		
480	B																	22	22.2
	B2																		

* raisable only with B2 · seulement relevable avec B2

TAB 181508 / 181596

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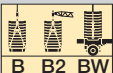


Description of symbols Explication des symboles

General symbols Symboles généraux

	Hoist gear Treuil de levage		Page Page
	Slewing speeds Vitesses d'orientation		Wind power applications Applications de centrale éolienne
	Driving speed Vitesse de translation		Central ballast Contrepoids central
	Hookblock / Capacity Moufle à crochet / Capacité de charge		Counterweight Contrepoids
	Radius Portée		

Crane specific symbols Symboles spécifiques à la grue

	Main boom S Flèche principale S		Lattice type luffing fly jib W Fléchette treillis à volée variable W
	Main boom HS Flèche principale HS		Heavy duty jib WV Fléchette pour charge lourde WV
	Main boom SL Flèche principale SL		Fixed lattice jib F Fléchette à treillis fixe F
	Main boom HSL Flèche principale HSL		Counterweight frame B/B2/Counterweight trailer BW Palette de lest B/B2/Remorque à contrepoids BW
	Derrick system D Système derrick D		

Remarks referring to load charts

1. The lifting capacities do not exceed 75 % of the tipping load according to ASME B 30.5.
The crane's structural steelwork is in accordance with EN 13000 and ASME B 30.5.
2. For the calculation of the load charts at least a wind speed of 29 ft/s (9 m/s, 20.1 miles/hour) and regarding the load a sail area of 1 m² per ton load and a wind resistance coefficient of 1.2 on the load have been taken into account. For lifting of loads with large sail areas and/or high wind resistance coefficients the maximum wind speed as stated in the load charts has to be reduced.
3. Lifting capacities are given in kips.
4. The weight of the hook blocks and hooks is part of the load and therefore it must be deducted from the lifting capacities.
5. The working radii are measured from the slewing centreline.
6. The subsoil must be even and of good bearing capacity.
7. Subject to modification of lifting capacities.
8. The data of this brochure serves only for general information. All information is provided without warranty. Instructions for the correct commissioning of the crane please take from the operation manual and the load chart book.

Remarques relatives aux tableaux des charges

1. La capacité de charge ne doit pas dépasser 75 % de la charge de basculement conformément à ASME B 30.5.
La structure métallique de la grue est conforme à EN 13000 et ASME B 30.5.
2. Une vitesse de vent de 29 ft/s (9 m/s, 20.1 miles/hour) minimum, une surface de prise au vent de 1 m² par tonne ainsi qu'un coefficient de résistance au vent de la charge 1,2 sont pris en compte pour le calcul des tableaux de charge. Lorsque des charges ayant une surface de prise au vent et/ou un coefficient de résistance au vent plus élevé(e)s sont levées, la vitesse de vent maximale indiquée dans les tableaux de charge doit être réduite.
3. Les charges sont indiquées en kips.
4. Le poids du crochet de levage resp. de la moufle à crochet est une partie de la charge et doit donc être déduit de la capacité de charge.
5. Les portées sont prises à partir de l'axe de rotation de la partie tournante.
6. Le sol doit être plat et résistant.
7. Charges données sous réserve de modification.
8. Les données de cette brochure sont données à titre informatif. Ces renseignements sont sans garantie. Les consignes relatives à la bonne mise en service de la grue sont disponibles dans le manuel d'utilisation et le manuel de tableaux de charge.