



**STRONG PARTNERS.
TOUGH TRUCKS.™**

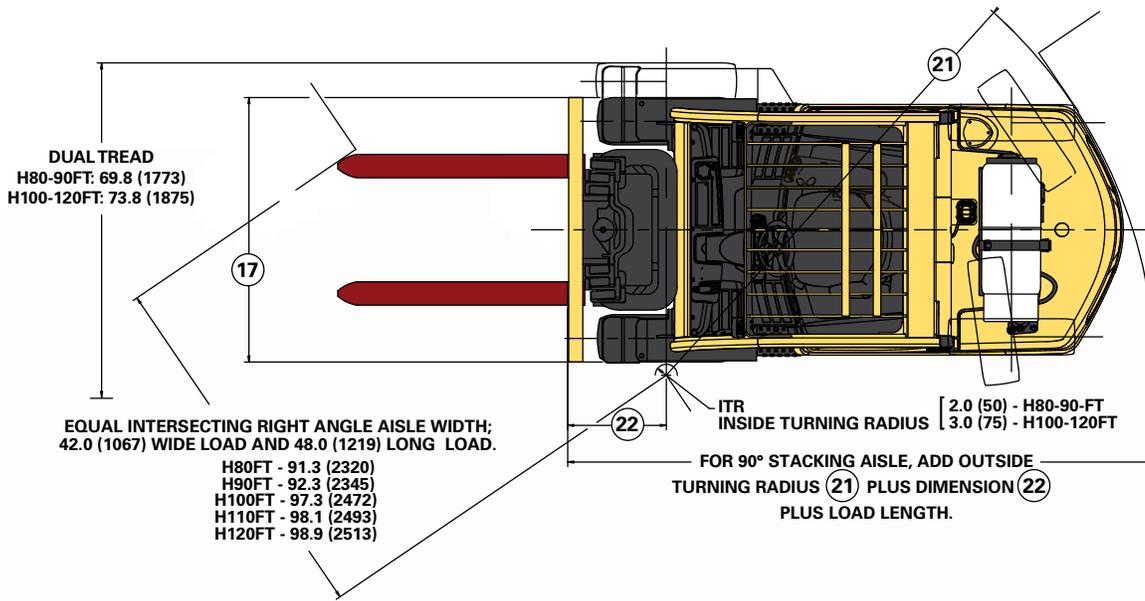


H80-120 FT SERIES TECHNICAL GUIDE

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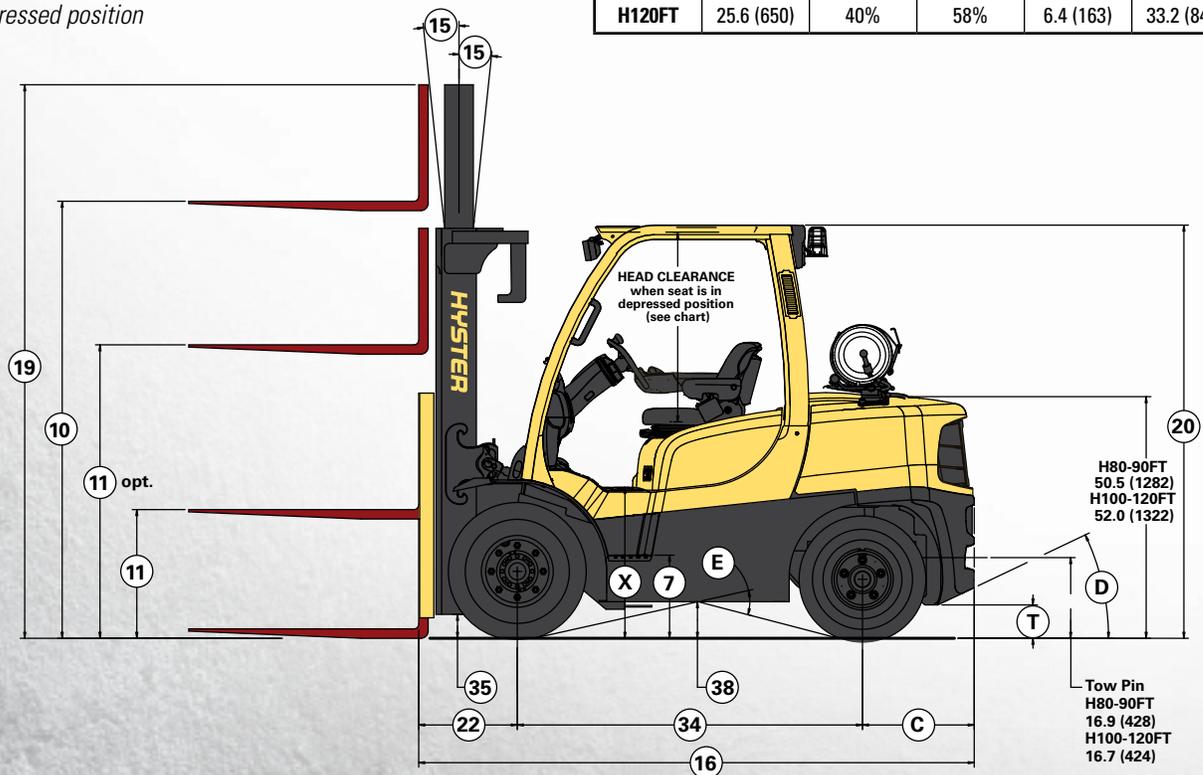
➤ H80-120 FT DIMENSIONS



Seat Type	Standard OHG*	Optional OHG*
Non-Suspension	42.0 (1068)	39.4 (1001)
Semi-Suspension	42.5 (1080)	39.9 (1013)
Full-Suspension	41.8 (1062)	N/A
Swivel Full-Suspension	42.0 (1068)	N/A

* Seat in depressed position

TRUCK MODEL	C	D	E	T	X
	in (mm)	percent	percent	in (mm)	in (mm)
H80FT	23.3 (593)	52%	53%	7.0 (177)	31.5 (801)
H90FT	25.4 (645)	48%	53%	7.0 (177)	31.5 (801)
H100FT	22.3 (566)	46%	58%	6.4 (163)	33.2 (844)
H110FT	24.0 (609)	46%	58%	6.4 (163)	33.2 (844)
H120FT	25.6 (650)	40%	58%	6.4 (163)	33.2 (844)



Circled dimensions correspond to the line numbers on the tabulated chart inside the Technical Guide. Dimensions are in inches (millimeters).



H80-90FT MAST DIMENSIONS					
Maximum Fork Ht. (TOF) †	Overall Lowered Ht.	Overall Extended Height		Free-Lift (TOF)	
		w/ Load Backrest	w/o Load Backrest	w/ Load Backrest	w/o Load Backrest
in (mm)	in (mm)	in (mm)	in (mm)	in (mm)	in (mm)
2-STAGE LIMITED FREE-LIFT (LFL) VISTA™ MAST					
120 (3050)	86 (2171)	170 (4297)	151 (3815)	5 (150)	5 (150)
143 (3650)	98 (2471)	193 (4897)	174 (4415)	5 (150)	5 (150)
167 (4250)	110 (2771)	217 (5497)	198 (5015)	5 (150)	5 (150)
2-STAGE FULL FREE-LIFT (FFL) VISTA™ MAST					
121 (3075)	86 (2171)	171 (4322)	154 (3887)	36 (924)	53 (1359)
144 (3675)	98 (2471)	194 (4922)	177 (4487)	48 (1224)	65 (1659)
3-STAGE FULL FREE-LIFT (FFL) VISTA™ MAST					
173 (4415)	86 (2171)	223 (5662)	206 (5227)	36 (924)	53 (1359)
185 (4715)	90 (2271)	235 (5962)	218 (5527)	40 (1024)	57 (1459)
194 (4950)	94 (2371)	244 (6197)	227 (5762)	44 (1124)	61 (1559)
206 (5250)	98 (2471)	256 (6497)	239 (6062)	48 (1224)	65 (1659)
218 (5550)	102 (2571)	268 (6797)	251 (6362)	52 (1324)	69 (1759)
† Lift heights over 171.5" (4356 mm) max. fork height are considered highlifts and require reduced capacity and restricted back tilt. Total approximate weights listed include mast, standard carriage, load backrest and 70 lbs. LP tank and tank bracket. RL = Rated Load NL = No Load					

H100-120FT MAST DIMENSIONS					
Maximum Fork Height (TOF) †	Overall Lowered Ht.	Overall Extended Height		Free-Lift (TOF)	
		w/ Load Backrest	w/o Load Backrest	w/ Load Backrest	w/o Load Backrest
in (mm)	in (mm)	in (mm)	in (mm)	in (mm)	in (mm)
2-STAGE LIMITED FREE-LIFT (LFL) VISTA™ MAST					
110 (2800)	88 (2214)	160 (4064)	147 (3730)	6 (160)	6 (160)
133 (3400)	99 (2514)	184 (4664)	171 (4330)	6 (160)	6 (160)
157 (4000)	111 (2814)	208 (5264)	195 (4930)	6 (160)	6 (160)
2-STAGE FULL FREE-LIFT (FFL) VISTA™ MAST					
111 (2825)	88 (2214)	161 (4089)	150 (3807)	37 (950)	48 (1232)
134 (3425)	99 (2514)	185 (4689)	174 (4407)	49 (1250)	60 (1532)
3-STAGE FULL FREE-LIFT (FFL) VISTA™ MAST					
173 (4415)	86 (2171)	214 (5411)	202 (5129)	37 (950)	48 (1232)
175 (4447)	92 (2314)	225 (5711)	214 (5429)	41 (1050)	52 (1332)
185 (4700)	96 (2414)	235 (5964)	224 (5682)	45 (1150)	56 (1432)
196 (5000)	99 (2514)	247 (6264)	236 (5982)	49 (1250)	60 (1532)
208 (5300)	103 (2614)	259 (6564)	248 (6282)	53 (1350)	64 (1632)
† Lift heights over 171.5" (4356 mm) max. fork height are considered highlifts and require reduced capacity and restricted back tilt. Total approximate weights listed include mast, standard carriage, load backrest and 70 lbs. LP tank and tank bracket. RL = Rated Load NL = No Load					



H80 FT SPECIFICATIONS

		Hyster Company		
GENERAL	1	Manufacturer Name	Hyster Company	
	2	Model	H80FT	
		Engine	PSI 4.3L Kubota 3.8L LPG	
	3	Rated Capacity	lb (kg) 8000 (3629)	
	4	Load Center, Distance	in (mm) 24 (610)	
	5	Power Type	LPG	
	6	Operator Type	Sit-Down Rider	
	7	Step Height	in (mm) 17.4 (441)	
	8	Tire Type - Cushion, Solid, Pneumatic	Pneumatic	
DIMENSIONS	9	Wheels, Number - Front/ Rear	X driven 2x/2	
	10	Lift Height, Top of Fork (TOF)	in (mm) 120 (3050)	
	11	Lift Heights, Standard Limited Free Lift (LFL) with LBR (TOF)	in (mm) 4 (100)	
		Lift Heights, Optional Full Free Lift (FFL) with LBR (TOF)	in (mm) 36 (924)	
	12	Standard Carriage Width	in (mm) 48 (1219)	
	13	Forks, Thickness x Width x Length	in (mm) 2 X 5 X 48 (50 X 125 X 1219)	
	14	Fork Spread, Outside Dimensions	in (mm) 43.5 (1106)	
	15	Mast Tilt Angles, Forward/Backward	degrees 6/10	
	16	Length To Face of Forks	in (mm) 116 (2946)	
	17	Overall Width, Standard Tread	in (mm) 55.2 (1402)	
		Overall Width, Wide Tread	in (mm) 58.5 (1485)	
	18	Height, Standard Mast - Lowered	in (mm) 86 (2171)	
	19	Height, Standard Mast - Extended with LBR	in (mm) 170 (4297)	
		Height, Standard Mast - Extended without LBR	in (mm) 151 (3815)	
	20	Height, Standard Overhead Guard	in (mm) 89 (2260)	
		Height, Optional Overhead Guard	in (mm) 87 (2193)	
		Height, Overhead Guard with Operator Cab	in (mm) 90 (2281)	
	21	Turning Radius, Minimum Outside (OTR)	in (mm) 101.2 (2570)	
	22	Length, Center of Wheel to Face of Forks	in (mm) 20.6 (523)	
	23	Aisle Width, Right Angle Stack (Add Length of Load)	in (mm) 121.8 (3093)	
	PERFORMANCE †	24	Equal Aisle, 90-Degree Intersecting Aisle (48" L X 40" W Load)	in (mm) 90.6 (2302)
		25	Travel Speed RL/NL 1-Speed	mph (km/h) 12.2/12.8 (19.7/20.6)
			2-Speed	mph (km/h) 15.7/16 (25.2/25.7)
26		Lift Speed, Standard 2-Stage LFL RL/NL	ft/min (m/s) 121/125 (.61/.63)	
		Lift Speed, Optional 2-Stage FFL RL/NL	ft/min (m/s) 108/111 (.54/.56)	
		Lift Speed, Optional 3-Stage FFL RL/NL	ft/min (m/s) 113/117 (.57/.59)	
27		Lowering Speed, Standard 2-Stage LFL RL/NL	ft/min (m/s) 108/93 (.55/.47)	
		Lowering Speed, Optional 2-Stage FFL RL/NL	ft/min (m/s) 98/71 (.50/.36)	
		Lowering Speed, Optional 3-Stage FFL RL/NL	ft/min (m/s) 104/87 (.53/.44)	
28		Max Drawbar Pull RL/NL 1-Speed	lb (kg) 5918/3406 (2685/1545)	
		2-Speed	lb (kg) 7126/3406 (3232/1545)	
		Drawbar Pull @ 1 mph RL/NL 1-Speed	lb (kg) 5077/3406 (2303/1545)	
		2-Speed	lb (kg) 6002/3406 (2722/1545)	
		29	Max Gradeability RL/NL †† 1-Speed	% 29/27
			2-Speed	% 36/27
	Gradeability @ 1 mph RL/NL †† 1-Speed	% 25/27		
2-Speed	% 30/27			
WT.	31	Weight, Standard Truck (Standard 2-Stg. LFL) NL	lb (kg) 13076 (5931) 13274 (6021)	
		Weight, Standard Truck (Standard 2-Stg. LFL) RL	lb (kg) 21076 (9560) 21274 (9650)	
	32	Axle Loading, Static Front/Rear NL	lb (kg) 5677/7399 (2575/3356) 5756/7518 (2611/3410)	
		Axle Loading, Static Front/Rear RL	lb (kg) 18628/2448 (8450/1110) 18707/2567 (8485/1164)	
TIRES & WHEELS	33	Tire Size, Front	250 x 15 - 20 Ply	
	34	Tire Size, Rear	7.00 x 12 - 14 Ply	
	35	Wheelbase	in (mm) 72 (1830)	
	37	Ground Clearance, Lowest Point NL (with RL subtract -6mm)	in (mm) 5.9 (151)	
	38	Ground Clearance, Center of Wheelbase NL	in (mm) 7.6 (194)	
	39	Service Brake - Method of Control/Operation	Foot/Hydraulic	
	40	Parking Brake - Method of Control/Operation	Hand/Mechanical	
	41	Battery Type	Maintenance Free	
	42	Volts/Cold Cranking Amps	v/cca 12/475	
POWERTRAIN	43	Engine, Manufacturer/Model	PSI 4.3L V6 Kubota WG3800 LPG	
	44	Permanent Output	hp (kW) 74(55) @ 1800RPM	
	45	Torque @ Rated RPM	ft/lbs (kg/m) 210(285) @1800RPM 221(300) @1000RPM	
	46	Number of Cylinders/Displacement	No/cc (ci) 6/4302 (263) 4/3769 (230)	
		Standard Speeds, Forward/Reverse	1/1	
	49	Hydraulic Tank - capacity (drain & refill)	gal (liter) 13.5 (51.0)	
	50	Fuel Tank Capacity (Gas & Diesel Only)	gal (liter) N/A	
	51	Auxiliary Hydraulic Pressure Relief for Attachments	PSI (Mpa) 2250 (15.5)	

CERTIFICATION: Hyster lift trucks meet the design and construction requirements of B56.1-1969, per OSHA Section 1910.178(a)(2), and also comply with the B56.1 revision in effect at time of manufacture. Certification of compliance with the applicable ANSI standards appears on the lift truck.

† NOTE: Performance specifications / ratings are for truck equipped as described under Standard Equipment in this Technical Guide. Performance specifications are affected by the condition of the vehicle and how it is equipped, as well as by the nature and condition of the operating area. Specifications are subject to change and the proposed application should be discussed with your authorized Hyster Company Dealer.

†† Limited by traction. For further information on this dimension, please contact your local Hyster dealer.

H80 FT SPECIFICATIONS



GENERAL	1		Manufacturer Name		
	2		Hyster Company		
DIMENSIONS	3		H80FT		
	4		Kubota 3.8L Dual Fuel		Kubota 3.8L DSL
	5		Rated Capacity		
	6		lb (kg)		
	7		8000 (3629)		
	8		Load Center, Distance		
	9		in (mm)		
	10		24 (610)		
	11		Power Type		
	12		LPG Gasoline Diesel		
PERFORMANCE †	13		Operator Type		
	14		Sit-Down Rider		
	15		Step Height		
	16		in (mm)		
	17		17.4 (441)		
	18		Tire Type - Cushion, Solid, Pneumatic		
	19		Pneumatic		
	20		Wheels, Number - Front/ Rear		
	21		X driven		
	22		2x/2		
WT.	23		Lift Height, Top of Fork (TOF)		
	24		in (mm)		
	25		120 (3050)		
	26		Lift Heights, Standard Limited Free Lift (LFL) with LBR (TOF)		
	27		in (mm)		
	28		4 (100)		
	29		Lift Heights, Optional Full Free Lift (FFL) with LBR (TOF)		
	30		in (mm)		
	31		36 (924)		
	32		Standard Carriage Width		
33		in (mm)			
34		48 (1219)			
35		Forks, Thickness x Width x Length			
36		in (mm)			
37		2 X 5 X 48 (50 X 125 X 1219)			
38		Fork Spread, Outside Dimensions			
39		in (mm)			
40		43.5 (1106)			
41		Mast Tilt Angles, Forward/Backward			
42		degrees			
43		6/10			
44		Length To Face of Forks			
45		in (mm)			
46		116 (2946)			
47		Overall Width, Standard Tread			
48		in (mm)			
49		55.2 (1402)			
50		Overall Width, Wide Tread			
51		in (mm)			
52		58.5 (1485)			
53		Height, Standard Mast - Lowered			
54		in (mm)			
55		86 (2171)			
56		Height, Standard Mast - Extended with LBR			
57		in (mm)			
58		170 (4297)			
59		Height, Standard Mast - Extended without LBR			
60		in (mm)			
61		151 (3815)			
62		Height, Standard Overhead Guard			
63		in (mm)			
64		89 (2260)			
65		Height, Optional Overhead Guard			
66		in (mm)			
67		87 (2193)			
68		Height, Overhead Guard with Operator Cab			
69		in (mm)			
70		90 (2281)			
71		Turning Radius, Minimum Outside (OTR)			
72		in (mm)			
73		101.2 (2570)			
74		Length, Center of Wheel to Face of Forks			
75		in (mm)			
76		20.6 (523)			
77		Aisle Width, Right Angle Stack (Add Length of Load)			
78		in (mm)			
79		121.8 (3093)			
80		Equal Aisle, 90-Degree Intersecting Aisle (48" L X 40" W Load)			
81		in (mm)			
82		90.6 (2302)			
83		Travel Speed RL/NL			
84		1-Speed			
85		mph (km/h)			
86		12.2/12.8 (19.7/20.6)			
87		2-Speed			
88		mph (km/h)			
89		15.7/16 (25.2/25.7)			
90		Lift Speed, Standard 2-Stage LFL RL/NL			
91		ft/min (m/s)			
92		121/125 (.61/.63)			
93		Lift Speed, Optional 2-Stage FFL RL/NL			
94		ft/min (m/s)			
95		108/111 (.54/.56)			
96		Lift Speed, Optional 3-Stage FFL RL/NL			
97		ft/min (m/s)			
98		113/117 (.57/.59)			
99		Lowering Speed, Standard 2-Stage LFL RL/NL			
100		ft/min (m/s)			
101		108/93 (.55/.47)			
102		Lowering Speed, Optional 2-Stage FFL RL/NL			
103		ft/min (m/s)			
104		98/71 (.50/.36)			
105		Lowering Speed, Optional 3-Stage FFL RL/NL			
106		ft/min (m/s)			
107		104/87 (.53/.44)			
108		Max Drawbar Pull RL/NL			
109		1-Speed			
110		lb (kg)			
111		5779/3406 (2621/1545)			
112		2-Speed			
113		lb (kg)			
114		5683/3406 (2578/1545)			
115		1-Speed			
116		lb (kg)			
117		6960/3406 (3157/1545)			
118		2-Speed			
119		lb (kg)			
120		6845/3406 (3105/1545)			
121		1-Speed			
122		lb (kg)			
123		4963/3406 (2251/1545)			
124		2-Speed			
125		lb (kg)			
126		5871/3406 (2663/1545)			
127		1-Speed			
128		%			
129		29/27			
130		2-Speed			
131		%			
132		35/27			
133		1-Speed			
134		%			
135		24/27			
136		2-Speed			
137		%			
138		29/27			
139		Weight, Standard Truck (Standard 2-Stg. LFL) NL			
140		lb (kg)			
141		13274 (6021)			
142		Weight, Standard Truck (Standard 2-Stg. LFL) RL			
143		lb (kg)			
144		21274 (9650)			
145		Axle Loading, Static Front/Rear NL			
146		lb (kg)			
147		5756/7518 (2611/3410)			
148		Axle Loading, Static Front/Rear RL			
149		lb (kg)			
150		18707/2567 (8485/1164)			
151		Tire Size, Front			
152		250 x 15 - 20 Ply			
153		Tire Size, Rear			
154		7.00 x 12 - 14 Ply			
155		Wheelbase			
156		in (mm)			
157		72 (1830)			
158		Ground Clearance, Lowest Point NL (with RL subtract -6mm)			
159		in (mm)			
160		5.9 (151)			
161		Ground Clearance, Center of Wheelbase NL			
162		in (mm)			
163		7.6 (194)			
164		Service Brake - Method of Control/Operation			
165		Foot/Hydraulic			
166		Parking Brake - Method of Control/Operation			
167		Hand/Mechanical			
168		Battery Type			
169		Maintenance Free			
170		Volts/Cold Cranking Amps			
171		v/cca			
172		12/475			
173		12/900			
174		Engine, Manufacturer/Model			
175		Kubota 3.8L Dual Fuel			
176		Kubota V3800 T4 Final			
177		Permanent Output			
178		hp (kW)			
179		69(52) @ 1800RPM			
180		65(48) @ 1800RPM			
181		74(55) @ 2200RPM			
182		Torque @ Rated RPM			
183		ft/lbs (kg/m)			
184		207(280) @1200RPM			
185		189(256) @1400RPM			
186		228(309) @1400RPM			
187		Number of Cylinders/Displacement			
188		No/cc (ci)			
189		4/3769 (230)			
190		Standard Speeds, Forward/Reverse			
191		1/1			
192		Hydraulic Tank - capacity (drain & refill)			
193		gal (liter)			
194		13.5 (51.0)			
195		Fuel Tank Capacity (Gas & Diesel Only)			
196		gal (liter)			
197		20.9 (79)			
198		Auxiliary Hydraulic Pressure Relief for Attachments			
199		PSI (Mpa)			
200		2250 (15.5)			

CERTIFICATION: Hyster lift trucks meet the design and construction requirements of B56.1-1969, per OSHA Section 1910.178(a)(2), and also comply with the B56.1 revision in effect at time of manufacture. Certification of compliance with the applicable ANSI standards appears on the lift truck.

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†† Limited by traction. For further information on this dimension, please contact your local Hyster dealer.



H90 FT SPECIFICATIONS

		Hyster Company		
GENERAL	1	Manufacturer Name	H90FT	
	2	Model	H90FT	
		Engine	PSI 4.3L Kubota 3.8L LPG	
	3	Rated Capacity	lb (kg) 9000 (4090)	
	4	Load Center, Distance	in (mm) 24 (610)	
	5	Power Type	LPG	
	6	Operator Type	Sit-Down Rider	
	7	Step Height	in (mm) 17.4 (441)	
	8	Tire Type - Cushion, Solid, Pneumatic	Pneumatic	
DIMENSIONS	9	Wheels, Number - Front/ Rear	X driven 2x/2	
	10	Lift Height, Top of Fork (TOF)	in (mm) 120 (3050)	
	11	Lift Heights, Standard Limited Free Lift (LFL) with LBR (TOF)	in (mm) 4 (100)	
		Lift Heights, Optional Full Free Lift (FFL) with LBR (TOF)	in (mm) 36 (924)	
	12	Standard Carriage Width	in (mm) 48 (1219)	
	13	Forks, Thickness x Width x Length	in (mm) 2 X 5 X 48 (50 X 125 X 1219)	
	14	Fork Spread, Outside Dimensions	in (mm) 43.5 (1106)	
	15	Mast Tilt Angles, Forward/Backward	degrees 6/10	
	16	Length To Face of Forks	in (mm) 117.2 (2977)	
	17	Overall Width, Standard Tread	in (mm) 55.2 (1402)	
		Overall Width, Wide Tread	in (mm) 58.5 (1485)	
	18	Height, Standard Mast - Lowered	in (mm) 86 (2171)	
	19	Height, Standard Mast - Extended with LBR	in (mm) 170 (4297)	
		Height, Standard Mast - Extended without LBR	in (mm) 151 (3815)	
	20	Height, Standard Overhead Guard	in (mm) 89 (2260)	
		Height, Optional Overhead Guard	in (mm) 87 (2193)	
		Height, Overhead Guard with Operator Cab	in (mm) 90 (2281)	
	21	Turning Radius, Minimum Outside (OTR)	in (mm) 103.1 (2619)	
	22	Length, Center of Wheel to Face of Forks	in (mm) 20.6 (523)	
	23	Aisle Width, Right Angle Stack (Add Length of Load)	in (mm) 124.7 (3168)	
	PERFORMANCE †	24	Equal Aisle, 90-Degree Intersecting Aisle (48" L X 40" W Load)	in (mm) 91.6 (2325)
		25	Travel Speed RL/NL 1-Speed	mph (km/h) 12.2/12.8 (19.6/20.6)
			2-Speed	mph (km/h) 15.6/16 (25.1/25.7)
		26	Lift Speed, Standard 2-Stage LFL RL/NL	ft/min (m/s) 121/125 (.61/.63)
		Lift Speed, Optional 2-Stage FFL RL/NL	ft/min (m/s) 108/111 (.54/.56)	
		Lift Speed, Optional 3-Stage FFL RL/NL	ft/min (m/s) 113/117 (.57/.59)	
27		Lowering Speed, Standard 2-Stage LFL RL/NL	ft/min (m/s) 108/93 (.55/.47)	
		Lowering Speed, Optional 2-Stage FFL RL/NL	ft/min (m/s) 98/71 (.50/.36)	
		Lowering Speed, Optional 3-Stage FFL RL/NL	ft/min (m/s) 104/87 (.53/.44)	
28		Max Drawbar Pull RL/NL 1-Speed	lb (kg) 5882/3348 (2668/1519)	
		2-Speed	lb (kg) 7089/3348 (3216/1519)	
		Drawbar Pull @ 1 mph RL/NL 1-Speed	lb (kg) 5040/3348 (2286/1519)	
		2-Speed	lb (kg) 5965/3348 (2706/1519)	
29		Max Gradeability RL/NL †† 1-Speed	% 27/25	
		2-Speed	% 33/25	
	Gradeability @ 1 mph RL/NL †† 1-Speed	% 23/25		
	2-Speed	% 27/25		
WT.	31	Weight, Standard Truck (Standard 2-Stg. LFL) NL	lb (kg) 13920 (6314) 14118 (6404)	
		Weight, Standard Truck (Standard 2-Stg. LFL) RL	lb (kg) 22920 (10396) 23118 (10486)	
	32	Axle Loading, Static Front/Rear NL	lb (kg) 8341/5579 (3783/2531) 8420/5698 (3819/2585)	
		Axle Loading, Static Front/Rear RL	lb (kg) 20150/2770 (9140/1256) 20229/2889 (9176/1310)	
TIRES & WHEELS	33	Tire Size, Front	250 x 15 - 20 Ply	
	34	Tire Size, Rear	7.00 x 12 - 14 Ply	
	35	Wheelbase	in (mm) 72 (1830)	
	37	Ground Clearance, Lowest Point NL (with RL subtract -6mm)	in (mm) 5.9 (151)	
	38	Ground Clearance, Center of Wheelbase NL	in (mm) 7.6 (194)	
	39	Service Brake - Method of Control/Operation	Foot/Hydraulic	
	40	Parking Brake - Method of Control/Operation	Hand/Mechanical	
POWERTRAIN	41	Battery Type	Maintenance Free	
	42	Volts/Cold Cranking Amps	v/cca 12/475	
	43	Engine, Manufacturer/Model	PSI 4.3L V6 Kubota WG3800 LPG	
	44	Permanent Output	hp (kW) 74(55) @ 1800RPM	
	45	Torque @ Rated RPM	ft/lbs (kg/m) 210(285) @1800RPM 221(300) @1000RPM	
	46	Number of Cylinders/Displacement	No/cc (ci) 6/4302 (263) 4/3769 (230)	
		Standard Speeds, Forward/Reverse	1/1	
	49	Hydraulic Tank - capacity (drain & refill)	gal (liter) 13.5 (51.0)	
	50	Fuel Tank Capacity (Gas & Diesel Only)	gal (liter) N/A	
	51	Auxiliary Hydraulic Pressure Relief for Attachments	PSI (Mpa) 2250 (15.5)	

CERTIFICATION: Hyster lift trucks meet the design and construction requirements of B56.1-1969, per OSHA Section 1910.178(a)(2), and also comply with the B56.1 revision in effect at time of manufacture. Certification of compliance with the applicable ANSI standards appears on the lift truck.

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†† Limited by traction. For further information on this dimension, please contact your local Hyster dealer.

H90 FT SPECIFICATIONS



GENERAL	1	Manufacturer Name	Hyster Company		
	2	Model	H90FT		
		Engine	Kubota 3.8L Dual Fuel		Kubota 3.8L DSL
	3	Rated Capacity	lb (kg)	9000 (4090)	
	4	Load Center, Distance	in (mm)	24 (610)	
	5	Power Type		LPG	Gasoline Diesel
	6	Operator Type		Sit-Down Rider	
	7	Step Height	in (mm)	17.4 (441)	
	8	Tire Type - Cushion, Solid, Pneumatic		Pneumatic	
	9	Wheels, Number - Front/ Rear	X driven	2x/2	
	10	Lift Height, Top of Fork (TOF)	in (mm)	120 (3050)	
	11	Lift Heights, Standard Limited Free Lift (LFL) with LBR (TOF)	in (mm)	4 (100)	
		Lift Heights, Optional Full Free Lift (FFL) with LBR (TOF)	in (mm)	36 (924)	
	12	Standard Carriage Width	in (mm)	48 (1219)	
	13	Forks, Thickness x Width x Length	in (mm)	2 X 5 X 48 (50 X 125 X 1219)	
	14	Fork Spread, Outside Dimensions	in (mm)	43.5 (1106)	
	15	Mast Tilt Angles, Forward/Backward	degrees	6/10	
	16	Length To Face of Forks	in (mm)	117.2 (2977)	
	17	Overall Width, Standard Tread	in (mm)	55.2 (1402)	
		Overall Width, Wide Tread	in (mm)	58.5 (1485)	
	18	Height, Standard Mast - Lowered	in (mm)	86 (2171)	
	19	Height, Standard Mast - Extended with LBR	in (mm)	170 (4297)	
		Height, Standard Mast - Extended without LBR	in (mm)	151 (3815)	
	20	Height, Standard Overhead Guard	in (mm)	89 (2260)	
		Height, Optional Overhead Guard	in (mm)	87 (2193)	
		Height, Overhead Guard with Operator Cab	in (mm)	90 (2281)	
	21	Turning Radius, Minimum Outside (OTR)	in (mm)	103.1 (2619)	
	22	Length, Center of Wheel to Face of Forks	in (mm)	20.6 (523)	
	23	Aisle Width, Right Angle Stack (Add Length of Load)	in (mm)	124.7 (3168)	
	24	Equal Aisle, 90-Degree Intersecting Aisle (48" L X 40" W Load)	in (mm)	91.6 (2325)	
	25	Travel Speed RL/NL	1-Speed	mph (km/h) 12.2/12.8 (19.6/20.6)	
			2-Speed	mph (km/h) 15.6/16 (25.1/25.7)	
	26	Lift Speed, Standard 2-Stage LFL RL/NL	ft/min (m/s)	121/125 (.61/.63)	
		Lift Speed, Optional 2-Stage FFL RL/NL	ft/min (m/s)	108/111 (.54/.56)	
		Lift Speed, Optional 3-Stage FFL RL/NL	ft/min (m/s)	113/117 (.57/.59)	
	27	Lowering Speed, Standard 2-Stage LFL RL/NL	ft/min (m/s)	108/93 (.55/.47)	
		Lowering Speed, Optional 2-Stage FFL RL/NL	ft/min (m/s)	98/71 (.50/.36)	
		Lowering Speed, Optional 3-Stage FFL RL/NL	ft/min (m/s)	104/87 (.53/.44)	
	28	Max Drawbar Pull RL/NL	1-Speed	lb (kg) 5742/3348 (2605/1519)	5646/3348 (2561/1519) 5937/3348 (2693/1519)
			2-Speed	lb (kg) 6923/3348 (3140/1519)	6808/3348 (3088/1519) 7156/3348 (3246/1519)
		Drawbar Pull @ 1 mph RL/NL	1-Speed	lb (kg) 4926/3348 (2235/1519)	4848/3348 (2199/1519) 5085/3348 (2307/1519)
			2-Speed	lb (kg) 5834/3348 (2646/1519)	5744/3348 (2605/1519) 6017/3348 (2729/1519)
	29	Max Gradeability RL/NL ††	1-Speed	% 26/25	25/25 27/25
			2-Speed	% 32/25	31/25 33/25
		Gradeability @ 1 mph RL/NL ††	1-Speed	% 22/25	22/25 23/25
			2-Speed	% 26/25	26/25 27/25
	31	Weight, Standard Truck (Standard 2-Stg. LFL) NL	lb (kg)	14118 (6404)	
		Weight, Standard Truck (Standard 2-Stg. LFL) RL	lb (kg)	23118 (10486)	
	32	Axle Loading, Static Front/Rear NL	lb (kg)	8420/5698 (3819/2585)	
		Axle Loading, Static Front/Rear RL	lb (kg)	20229/2889 (9176/1310)	
	33	Tire Size, Front		250 x 15 - 20 Ply	
	34	Tire Size, Rear		7.00 x 12 - 14 Ply	
	35	Wheelbase	in (mm)	72 (1830)	
	37	Ground Clearance, Lowest Point NL (with RL subtract -6mm)	in (mm)	5.9 (151)	
	38	Ground Clearance, Center of Wheelbase NL	in (mm)	7.6 (194)	
	39	Service Brake - Method of Control/Operation		Foot/Hydraulic	
	40	Parking Brake - Method of Control/Operation		Hand/Mechanical	
	41	Battery Type		Maintenance Free	
	42	Volts/Cold Cranking Amps	v/ccca	12/475 12/900	
	43	Engine, Manufacturer/Model		Kubota 3.8L Dual Fuel Kubota V3800 T4 Final	
	44	Permanent Output	hp (kW)	69(52) @ 1800RPM	65(48) @ 1800RPM 74(55) @ 2200RPM
	45	Torque @ Rated RPM	ft/lbs (kg/m)	207(280) @1200RPM	189(256) @1400RPM 228(309) @1400RPM
	46	Number of Cylinders/Displacement	No/cc (ci)	4/3769 (230)	
		Standard Speeds, Forward/Reverse		1/1	
	49	Hydraulic Tank - capacity (drain & refill)	gal (liter)	13.5 (51.0)	
	50	Fuel Tank Capacity (Gas & Diesel Only)	gal (liter)	20.9 (79)	
	51	Auxiliary Hydraulic Pressure Relief for Attachments	PSI (Mpa)	2250 (15.5)	

CERTIFICATION: Hyster lift trucks meet the design and construction requirements of B56.1-1969, per OSHA Section 1910.178(a)(2), and also comply with the B56.1 revision in effect at time of manufacture. Certification of compliance with the applicable ANSI standards appears on the lift truck.

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H100 FT SPECIFICATIONS

		Hyster Company				
GENERAL	1	Manufacturer Name	H100FT			
	2	Model	H100FT			
		Engine	PSI 4.3L Kubota 3.8L LPG			
	3	Rated Capacity	lb (kg)	10000 (4536)		
	4	Load Center, Distance	in (mm)	24 (610)		
	5	Power Type		LPG		
	6	Operator Type		Sit-Down Rider		
	7	Step Height	in (mm)	19.1 (484)		
	8	Tire Type - Cushion, Solid, Pneumatic		Pneumatic		
DIMENSIONS	9	Wheels, Number - Front/ Rear	X driven	2x/2		
	10	Lift Height, Top of Fork (TOF)	in (mm)	109 (2790)		
	11	Lift Heights, Standard Limited Free Lift (LFL) with LBR (TOF)	in (mm)	4 (100)		
		Lift Heights, Optional Full Free Lift (FFL) with LBR (TOF)	in (mm)	37 (940)		
	12	Standard Carriage Width	in (mm)	54 (1372)		
	13	Forks, Thickness x Width x Length	in (mm)	2 X 6 X 48 (50 X 150 X 1219)		
	14	Fork Spread, Outside Dimensions	in (mm)	49.7 (1262)		
	15	Mast Tilt Angles, Forward/Backward	degrees	6/10		
	16	Length To Face of Forks	in (mm)	127.8 (3247)		
	17	Overall Width, Standard Tread	in (mm)	57.1 (1450)		
		Overall Width, Wide Tread	in (mm)	62.0 (1575)		
	18	Height, Standard Mast - Lowered	in (mm)	88 (2214)		
	19	Height, Standard Mast - Extended with LBR	in (mm)	160 (4064)		
		Height, Standard Mast - Extended without LBR	in (mm)	147 (3730)		
	20	Height, Standard Overhead Guard	in (mm)	91 (2302)		
		Height, Optional Overhead Guard	in (mm)	88 (2235)		
		Height, Overhead Guard with Operator Cab	in (mm)	92 (2323)		
	21	Turning Radius, Minimum Outside (OTR)	in (mm)	111.7 (2837)		
	22	Length, Center of Wheel to Face of Forks	in (mm)	22.9 (581)		
	23	Aisle Width, Right Angle Stack (Add Length of Load)	in (mm)	134.8 (3425)		
	PERFORMANCE †	24	Equal Aisle, 90-Degree Intersecting Aisle (48" L X 40" W Load)	in (mm)	96.6 (2452)	
		25	Travel Speed RL/NL	1-Speed	mph (km/h)	11.3/11.7 (18.1/18.9)
				2-Speed	mph (km/h)	14.4/14.8 (23.2/23.7)
26		Lift Speed, Standard 2-Stage LFL RL/NL	ft/min (m/s)	98/102 (.50/.51)		
		Lift Speed, Optional 2-Stage FFL RL/NL	ft/min (m/s)	92/95 (.46/.48)		
		Lift Speed, Optional 3-Stage FFL RL/NL	ft/min (m/s)	95/98 (.48/.49)		
27		Lowering Speed, Standard 2-Stage LFL RL/NL	ft/min (m/s)	100/83 (.51/.42)		
		Lowering Speed, Optional 2-Stage FFL RL/NL	ft/min (m/s)	89/63 (.45/.32)		
		Lowering Speed, Optional 3-Stage FFL RL/NL	ft/min (m/s)	97/77 (.47/.39)		
28		Max Drawbar Pull RL/NL	1-Speed	lb (kg)	6914/3986 (3136/1808) 6926/3986 (3142/1808)	
			2-Speed	lb (kg)	8325/3986 (3776/1808) 8339/3986 (3782/1808)	
		Drawbar Pull @ 1 mph RL/NL	1-Speed	lb (kg)	5809/3986 (2635/1808) 5834/3986 (2646/1808)	
			2-Speed	lb (kg)	6834/3986 (3100/1808) 6862/3986 (3113/1808)	
29		Max Gradeability RL/NL ††	1-Speed	%	29/28 29/28	
		2-Speed	%	35/28 36/28		
	Gradeability @ 1 mph RL/NL ††	1-Speed	%	24/28 24/28		
		2-Speed	%	29/28 29/28		
WT.	31	Weight, Standard Truck (Standard 2-Stg. LFL) NL	lb (kg)	14910 (6763) 15108 (6853)		
		Weight, Standard Truck (Standard 2-Stg. LFL) RL	lb (kg)	24910 (11299) 25108 (11389)		
	32	Axle Loading, Static Front/Rear NL	lb (kg)	6642/8268 (3013/3750) 6721/8387 (3049/3804)		
		Axle Loading, Static Front/Rear RL	lb (kg)	22312/2598 (10121/1178) 22391/2717 (10156/1232)		
TIRES & WHEELS	33	Tire Size, Front		300 x 15 - 20 Ply		
	34	Tire Size, Rear		7.00 x 12 - 14 Ply		
	35	Wheelbase	in (mm)	82.7 (2100)		
	37	Ground Clearance, Lowest Point NL (with RL subtract -6mm)	in (mm)	6.4 (163)		
	38	Ground Clearance, Center of Wheelbase NL	in (mm)	9.3 (237)		
	39	Service Brake - Method of Control/Operation		Foot/Hydraulic		
	40	Parking Brake - Method of Control/Operation		Hand/Mechanical		
POWERTRAIN	41	Battery Type		Maintenance Free		
	42	Volts/Cold Cranking Amps	v/cca	12/475		
	43	Engine, Manufacturer/Model		PSI 4.3L V6 Kubota WG3800 LPG		
	44	Permanent Output	hp (kW)	88(66) @ 2200RPM 86(64) @ 2200RPM		
	45	Torque @ Rated RPM	ft/lbs (kg/m)	210(285) @ 2200RPM 221(300) @ 1000RPM		
	46	Number of Cylinders/Displacement	No/cc (ci)	6/4302 (263) 4/3769 (230)		
		Standard Speeds, Forward/Reverse		1/1		
	49	Hydraulic Tank - capacity (drain & refill)	gal (liter)	17.9 (67.8)		
	50	Fuel Tank Capacity (Gas & Diesel Only)	gal (liter)	N/A		
	51	Auxiliary Hydraulic Pressure Relief for Attachments	PSI (Mpa)	2250 (15.5)		

CERTIFICATION: Hyster lift trucks meet the design and construction requirements of B56.1-1969, per OSHA Section 1910.178(a)(2), and also comply with the B56.1 revision in effect at time of manufacture. Certification of compliance with the applicable ANSI standards appears on the lift truck.

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H100 FT SPECIFICATIONS



		Hyster Company					
		H100FT					
GENERAL	1	Manufacturer Name	Hyster Company				
	2	Model	H100FT				
		Engine	Kubota 3.8L Dual Fuel		Kubota 3.8L DSL		
	3	Rated Capacity	lb (kg)	10000 (4536)			
	4	Load Center, Distance	in (mm)	24 (610)			
	5	Power Type		LPG	Gasoline	Diesel	
DIMENSIONS	6	Operator Type	Sit-Down Rider				
	7	Step Height	in (mm)	19.1 (484)			
	8	Tire Type - Cushion, Solid, Pneumatic		Pneumatic			
	9	Wheels, Number - Front/ Rear	X driven	2x/2			
	10	Lift Height, Top of Fork (TOF)	in (mm)	109 (2790)			
	11	Lift Heights, Standard Limited Free Lift (LFL) with LBR (TOF)	in (mm)	4 (100)			
		Lift Heights, Optional Full Free Lift (FFL) with LBR (TOF)	in (mm)	37 (940)			
	12	Standard Carriage Width	in (mm)	54 (1372)			
	13	Forks, Thickness x Width x Length	in (mm)	2 X 6 X 48 (50 X 150 X 1219)			
	14	Fork Spread, Outside Dimensions	in (mm)	49.7 (1262)			
	15	Mast Tilt Angles, Forward/Backward	degrees	6/10			
	16	Length To Face of Forks	in (mm)	127.8 (3247)			
	17	Overall Width, Standard Tread	in (mm)	57.1 (1450)			
		Overall Width, Wide Tread	in (mm)	62.0 (1575)			
	18	Height, Standard Mast - Lowered	in (mm)	88 (2214)			
	19	Height, Standard Mast - Extended with LBR	in (mm)	160 (4064)			
		Height, Standard Mast - Extended without LBR	in (mm)	147 (3730)			
	20	Height, Standard Overhead Guard	in (mm)	91 (2302)			
		Height, Optional Overhead Guard	in (mm)	88 (2235)			
		Height, Overhead Guard with Operator Cab	in (mm)	92 (2323)			
	21	Turning Radius, Minimum Outside (OTR)	in (mm)	111.7 (2837)			
	22	Length, Center of Wheel to Face of Forks	in (mm)	22.9 (581)			
	23	Aisle Width, Right Angle Stack (Add Length of Load)	in (mm)	134.8 (3425)			
24	Equal Aisle, 90-Degree Intersecting Aisle (48" L X 40" W Load)	in (mm)	96.6 (2452)				
PERFORMANCE †	25	Travel Speed RL/NL	1-Speed	mph (km/h)			
			2-Speed	mph (km/h)			
	26	Lift Speed, Standard 2-Stage LFL RL/NL	ft/min (m/s)	98/102 (.50/.51)			
		Lift Speed, Optional 2-Stage FFL RL/NL	ft/min (m/s)	92/95 (.46/.48)			
		Lift Speed, Optional 3-Stage FFL RL/NL	ft/min (m/s)	95/98 (.48/.49)			
	27	Lowering Speed, Standard 2-Stage LFL RL/NL	ft/min (m/s)	100/83 (.51/.42)			
		Lowering Speed, Optional 2-Stage FFL RL/NL	ft/min (m/s)	89/63 (.45/.32)			
		Lowering Speed, Optional 3-Stage FFL RL/NL	ft/min (m/s)	97/77 (.47/.39)			
	28	Max Drawbar Pull RL/NL	1-Speed	lb (kg)	6546/3986 (2969/1808)	6323/3986 (2868/1808)	6405/3986 (2905/1808)
			2-Speed	lb (kg)	7885/3986 (3577/1808)	7618/3986 (3456/1808)	7716/3986 (3500/1808)
		Drawbar Pull @ 1 mph RL/NL	1-Speed	lb (kg)	5518/3986 (2503/1808)	5341/3986 (2422/1808)	5405/3986 (2452/1808)
			2-Speed	lb (kg)	6500/3986 (2948/1808)	6297/3986 (2856/1808)	6371/3986 (2890/1808)
	29	Max Gradeability RL/NL ††	1-Speed	%	27/28	26/28	27/28
2-Speed			%	33/28	32/28	33/28	
	Gradeability @ 1 mph RL/NL ††	1-Speed	%	23/28	22/28	22/28	
		2-Speed	%	27/28	26/28	26/28	
WT.	31	Weight, Standard Truck (Standard 2-Stg. LFL) NL	lb (kg)	15108 (6853)			
		Weight, Standard Truck (Standard 2-Stg. LFL) RL	lb (kg)	25108 (11389)			
	32	Axle Loading, Static Front/Rear NL	lb (kg)	6721/8387 (3049/3804)			
		Axle Loading, Static Front/Rear RL	lb (kg)	22391/2717 (10156/1232)			
TIRES & WHEELS	33	Tire Size, Front		300 x 15 - 20 Ply			
	34	Tire Size, Rear		7.00 x 12 - 14 Ply			
	35	Wheelbase	in (mm)	82.7 (2100)			
	37	Ground Clearance, Lowest Point NL (with RL subtract -6mm)	in (mm)	6.4 (163)			
	38	Ground Clearance, Center of Wheelbase NL	in (mm)	9.3 (237)			
39	Service Brake - Method of Control/Operation			Foot/Hydraulic			
				Hand/Mechanical			
40	Parking Brake - Method of Control/Operation			Maintenance Free			
POWERTRAIN	41	Battery Type					
	42	Volts/Cold Cranking Amps	v/cca	12/475	12/900		
	43	Engine, Manufacturer/Model		Kubota 3.8L Dual Fuel			
	44	Permanent Output	hp (kW)	82(61) @ 2200RPM	78(58) @ 2200RPM	74(55) @ 2200RPM	
	45	Torque @ Rated RPM	ft/lbs (kg/m)	207(280) @1200RPM	189(256) @1400RPM	228(309) @1400RPM	
	46	Number of Cylinders/Displacement	No/cc (ci)	4/3769 (230)			
		Standard Speeds, Forward/Reverse		1/1			
	49	Hydraulic Tank - capacity (drain & refill)	gal (liter)	17.9 (67.8)			
	50	Fuel Tank Capacity (Gas & Diesel Only)	gal (liter)	26.5 (100.3)			
	51	Auxiliary Hydraulic Pressure Relief for Attachments	PSI (Mpa)	2250 (15.5)			

CERTIFICATION: Hyster lift trucks meet the design and construction requirements of B56.1-1969, per OSHA Section 1910.178(a)(2), and also comply with the B56.1 revision in effect at time of manufacture. Certification of compliance with the applicable ANSI standards appears on the lift truck.

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H110 FT SPECIFICATIONS

		Hyster Company	
GENERAL	1	Manufacturer Name	H110FT
	2	Model	H110FT
		Engine	PSI 4.3L Kubota 3.8L LPG
	3	Rated Capacity	lb (kg) 11000 (4990)
	4	Load Center, Distance	in (mm) 24 (610)
	5	Power Type	LPG
DIMENSIONS	6	Operator Type	Sit-Down Rider
	7	Step Height	in (mm) 19.1 (484)
	8	Tire Type - Cushion, Solid, Pneumatic	Pneumatic
	9	Wheels, Number - Front/ Rear	X driven 2x/2
	10	Lift Height, Top of Fork (TOF)	in (mm) 109 (2790)
	11	Lift Heights, Standard Limited Free Lift (LFL) with LBR (TOF)	in (mm) 4 (100)
		Lift Heights, Optional Full Free Lift (FFL) with LBR (TOF)	in (mm) 37 (940)
	12	Standard Carriage Width	in (mm) 54 (1372)
	13	Forks, Thickness x Width x Length	in (mm) 2 X 6 X 48 (50 X 150 X 1219)
	14	Fork Spread, Outside Dimensions	in (mm) 49.7 (1262)
	15	Mast Tilt Angles, Forward/Backward	degrees 6/10
	16	Length To Face of Forks	in (mm) 129.5 (3290)
	17	Overall Width, Standard Tread	in (mm) 57.1 (1450)
		Overall Width, Wide Tread	in (mm) 62.0 (1575)
	18	Height, Standard Mast - Lowered	in (mm) 88 (2214)
	19	Height, Standard Mast - Extended with LBR	in (mm) 160 (4064)
		Height, Standard Mast - Extended without LBR	in (mm) 147 (3730)
	20	Height, Standard Overhead Guard	in (mm) 91 (2302)
		Height, Optional Overhead Guard	in (mm) 88 (2235)
		Height, Overhead Guard with Operator Cab	in (mm) 92 (2323)
	21	Turning Radius, Minimum Outside (OTR)	in (mm) 113.3 (2877)
	22	Length, Center of Wheel to Face of Forks	in (mm) 22.9 (581)
	23	Aisle Width, Right Angle Stack (Add Length of Load)	in (mm) 136.4 (3465)
PERFORMANCE †	24	Equal Aisle, 90-Degree Intersecting Aisle (48" L X 40" W Load)	in (mm) 97.3 (2472)
	25	Travel Speed RL/NL	1-Speed mph (km/h) 11.2/11.7 (18.1/18.9)
		2-Speed	mph (km/h) 14.3/14.7 (23/23.7)
	26	Lift Speed, Standard 2-Stage LFL RL/NL	ft/min (m/s) 98/102 (.50/.51)
		Lift Speed, Optional 2-Stage FFL RL/NL	ft/min (m/s) 92/95 (.46/.48)
		Lift Speed, Optional 3-Stage FFL RL/NL	ft/min (m/s) 95/98 (.48/.49)
	27	Lowering Speed, Standard 2-Stage LFL RL/NL	ft/min (m/s) 100/83 (.51/.42)
		Lowering Speed, Optional 2-Stage FFL RL/NL	ft/min (m/s) 89/63 (.45/.32)
		Lowering Speed, Optional 3-Stage FFL RL/NL	ft/min (m/s) 97/77 (.47/.39)
	28	Max Drawbar Pull RL/NL	1-Speed lb (kg) 6881/3900 (3121/1769)
		2-Speed	lb (kg) 8292/3900 (3761/1769)
		Drawbar Pull @ 1 mph RL/NL	1-Speed lb (kg) 5776/3900 (2620/1769)
		2-Speed	lb (kg) 6801/3900 (3085/1769)
	29	Max Gradeability RL/NL ††	1-Speed
		2-Speed	% 33/26
Gradeability @ 1 mph RL/NL ††		1-Speed	% 22/26
		2-Speed	% 26/26
WT.	31	Weight, Standard Truck (Standard 2-Stg. LFL) NL	lb (kg) 15560 (7058)
		Weight, Standard Truck (Standard 2-Stg. LFL) RL	lb (kg) 26560 (12047)
	32	Axle Loading, Static Front/Rear NL	lb (kg) 6499/9061 (2948/4110)
		Axle Loading, Static Front/Rear RL	lb (kg) 23735/2825 (10766/1281)
TIRES & WHEELS	33	Tire Size, Front	300 x 15 - 20 Ply
	34	Tire Size, Rear	7.00 x 12 - 14 Ply
	35	Wheelbase	in (mm) 82.7 (2100)
	37	Ground Clearance, Lowest Point NL (with RL subtract -6mm)	in (mm) 6.4 (163)
	38	Ground Clearance, Center of Wheelbase NL	in (mm) 9.3 (237)
	39	Service Brake - Method of Control/Operation	Foot/Hydraulic
POWERTRAIN	40	Parking Brake - Method of Control/Operation	Hand/Mechanical
	41	Battery Type	Maintenance Free
	42	Volts/Cold Cranking Amps	v/cca 12/475
	43	Engine, Manufacturer/Model	PSI 4.3L V6 Kubota WG3800 LPG
	44	Permanent Output	hp (kW) 88(66) @ 2200RPM 86(64) @ 2200RPM
	45	Torque @ Rated RPM	ft/lbs (kg/m) 210(285) @ 2200RPM 221(300) @ 1000RPM
	46	Number of Cylinders/Displacement	No/cc (ci) 6/4302 (263) 4/3769 (230)
		Standard Speeds, Forward/Reverse	1/1
	49	Hydraulic Tank - capacity (drain & refill)	gal (liter) 17.9 (67.8)
	50	Fuel Tank Capacity (Gas & Diesel Only)	gal (liter) N/A
	51	Auxiliary Hydraulic Pressure Relief for Attachments	PSI (Mpa) 2250 (15.5)

CERTIFICATION: Hyster lift trucks meet the design and construction requirements of B56.1-1969, per OSHA Section 1910.178(a)(2), and also comply with the B56.1 revision in effect at time of manufacture. Certification of compliance with the applicable ANSI standards appears on the lift truck.

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H110 FT SPECIFICATIONS



GENERAL	1	Manufacturer Name	Hyster Company		
		2	Model	H110FT	
		Engine	Kubota 3.8L Dual Fuel		Kubota 3.8L DSL
	3	Rated Capacity	lb (kg)	11000 (4990)	
	4	Load Center, Distance	in (mm)	24 (610)	
	5	Power Type		LPG	Gasoline Diesel
	6	Operator Type		Sit-Down Rider	
	7	Step Height	in (mm)	19.1 (484)	
	8	Tire Type - Cushion, Solid, Pneumatic		Pneumatic	
	9	Wheels, Number - Front/ Rear	X driven	2x/2	
	10	Lift Height, Top of Fork (TOF)	in (mm)	109 (2790)	
	11	Lift Heights, Standard Limited Free Lift (LFL) with LBR (TOF)	in (mm)	4 (100)	
		Lift Heights, Optional Full Free Lift (FFL) with LBR (TOF)	in (mm)	37 (940)	
	12	Standard Carriage Width	in (mm)	54 (1372)	
	13	Forks, Thickness x Width x Length	in (mm)	2 X 6 X 48 (50 X 150 X 1219)	
	14	Fork Spread, Outside Dimensions	in (mm)	49.7 (1262)	
	15	Mast Tilt Angles, Forward/Backward	degrees	6/10	
	16	Length To Face of Forks	in (mm)	129.5 (3290)	
	17	Overall Width, Standard Tread	in (mm)	57.1 (1450)	
		Overall Width, Wide Tread	in (mm)	62.0 (1575)	
	18	Height, Standard Mast - Lowered	in (mm)	88 (2214)	
	19	Height, Standard Mast - Extended with LBR	in (mm)	160 (4064)	
		Height, Standard Mast - Extended without LBR	in (mm)	147 (3730)	
	20	Height, Standard Overhead Guard	in (mm)	91 (2302)	
		Height, Optional Overhead Guard	in (mm)	88 (2235)	
		Height, Overhead Guard with Operator Cab	in (mm)	92 (2323)	
	21	Turning Radius, Minimum Outside (OTR)	in (mm)	113.3 (2877)	
	22	Length, Center of Wheel to Face of Forks	in (mm)	22.9 (581)	
	23	Aisle Width, Right Angle Stack (Add Length of Load)	in (mm)	136.4 (3465)	
	24	Equal Aisle, 90-Degree Intersecting Aisle (48" L X 40" W Load)	in (mm)	97.3 (2472)	
	25	Travel Speed RL/NL	1-Speed	mph (km/h) 11.2/11.7 (18.1/18.9)	
			2-Speed	mph (km/h) 14.3/14.7 (23/23.7)	
	26	Lift Speed, Standard 2-Stage LFL RL/NL	ft/min (m/s)	98/102 (.50/.51)	
		Lift Speed, Optional 2-Stage FFL RL/NL	ft/min (m/s)	92/95 (.46/.48)	
		Lift Speed, Optional 3-Stage FFL RL/NL	ft/min (m/s)	95/98 (.48/.49)	
	27	Lowering Speed, Standard 2-Stage LFL RL/NL	ft/min (m/s)	100/83 (.51/.42)	
		Lowering Speed, Optional 2-Stage FFL RL/NL	ft/min (m/s)	89/63 (.45/.32)	
		Lowering Speed, Optional 3-Stage FFL RL/NL	ft/min (m/s)	97/77 (.47/.39)	
	28	Max Drawbar Pull RL/NL	1-Speed	lb (kg) 6513/3900 (2954/1769)	6290/3900 (2853/1769) 6372/3900 (2890/1769)
			2-Speed	lb (kg) 7852/3900 (3562/1769)	7585/3900 (3441/1769) 7683/3900 (3485/1769)
		Drawbar Pull @ 1 mph RL/NL	1-Speed	lb (kg) 5485/3900 (2488/1769)	5308/3900 (2408/1769) 5372/3900 (2437/1769)
			2-Speed	lb (kg) 6467/3900 (2933/1769)	6264/3900 (2841/1769) 6338/3900 (2875/1769)
	29	Max Gradeability RL/NL ††	1-Speed	% 25/26	24/26 25/26
			2-Speed	% 31/26	30/26 30/26
		Gradeability @ 1 mph RL/NL ††	1-Speed	% 21/26	20/26 21/26
			2-Speed	% 25/26	24/26 25/26
	31	Weight, Standard Truck (Standard 2-Stg. LFL) NL	lb (kg)	15758 (7148)	
		Weight, Standard Truck (Standard 2-Stg. LFL) RL	lb (kg)	26758 (12137)	
	32	Axle Loading, Static Front/Rear NL	lb (kg)	6578/9180 (2984/4164)	
		Axle Loading, Static Front/Rear RL	lb (kg)	23814/2944 (10802/1335)	
	33	Tire Size, Front		300 x 15 - 20 Ply	
	34	Tire Size, Rear		7.00 x 12 - 14 Ply	
	35	Wheelbase	in (mm)	82.7 (2100)	
	37	Ground Clearance, Lowest Point NL (with RL subtract -6mm)	in (mm)	6.4 (163)	
	38	Ground Clearance, Center of Wheelbase NL	in (mm)	9.3 (237)	
	39	Service Brake - Method of Control/Operation		Foot/Hydraulic	
	40	Parking Brake - Method of Control/Operation		Hand/Mechanical	
	41	Battery Type		Maintenance Free	
	42	Volts/Cold Cranking Amps	v/cca	12/475 12/900	
	43	Engine, Manufacturer/Model		Kubota 3.8L Dual Fuel Kubota V3800 T4 Final	
	44	Permanent Output	hp (kW)	82(61) @ 2200RPM	78(58) @ 2200RPM 74(55) @ 2200RPM
	45	Torque @ Rated RPM	ft/lbs (kg/m)	207(280) @1200RPM	189(256) @1400RPM 228(309) @1400RPM
	46	Number of Cylinders/Displacement	No/cc (ci)	4/3769 (230)	
		Standard Speeds, Forward/Reverse		1/1	
	49	Hydraulic Tank - capacity (drain & refill)	gal (liter)	17.9 (67.8)	
	50	Fuel Tank Capacity (Gas & Diesel Only)	gal (liter)	26.5 (100.3)	
	51	Auxiliary Hydraulic Pressure Relief for Attachments	PSI (Mpa)	2250 (15.5)	

CERTIFICATION: Hyster lift trucks meet the design and construction requirements of B56.1-1969, per OSHA Section 1910.178(a)(2), and also comply with the B56.1 revision in effect at time of manufacture. Certification of compliance with the applicable ANSI standards appears on the lift truck.

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H120 FT SPECIFICATIONS

		Hyster Company		
GENERAL	1	Manufacturer Name	H120FT	
	2	Model	H120FT	
		Engine	PSI 4.3L Kubota 3.8L LPG	
	3	Rated Capacity	lb (kg) 12000 (5443)	
	4	Load Center, Distance	in (mm) 24 (610)	
	5	Power Type	LPG	
	6	Operator Type	Sit-Down Rider	
	7	Step Height	in (mm) 19.1 (484)	
	8	Tire Type - Cushion, Solid, Pneumatic	Pneumatic	
DIMENSIONS	9	Wheels, Number - Front/ Rear	X driven 2x/2	
	10	Lift Height, Top of Fork (TOF)	in (mm) 110 (2800)	
	11	Lift Heights, Standard Limited Free Lift (LFL) with LBR (TOF)	in (mm) 4 (100)	
		Lift Heights, Optional Full Free Lift (FFL) with LBR (TOF)	in (mm) 37 (940)	
	12	Standard Carriage Width	in (mm) 54 (1372)	
	13	Forks, Thickness x Width x Length	in (mm) 2 X 6 X 48 (50 X 150 X 1219)	
	14	Fork Spread, Outside Dimensions	in (mm) 49.7 (1262)	
	15	Mast Tilt Angles, Forward/Backward	degrees 6/10	
	16	Length To Face of Forks	in (mm) 131.5 (3341)	
	17	Overall Width, Standard Tread	in (mm) 57.1 (1450)	
		Overall Width, Wide Tread	in (mm) 62.0 (1575)	
	18	Height, Standard Mast - Lowered	in (mm) 88 (2214)	
	19	Height, Standard Mast - Extended with LBR	in (mm) 160 (4064)	
		Height, Standard Mast - Extended without LBR	in (mm) 147 (3730)	
	20	Height, Standard Overhead Guard	in (mm) 91 (2302)	
		Height, Optional Overhead Guard	in (mm) 88 (2235)	
		Height, Overhead Guard with Operator Cab	in (mm) 92 (2323)	
	21	Turning Radius, Minimum Outside (OTR)	in (mm) 114.8 (2915)	
	22	Length, Center of Wheel to Face of Forks	in (mm) 22.9 (591)	
	23	Aisle Width, Right Angle Stack (Add Length of Load)	in (mm) 137.9 (3503)	
	PERFORMANCE †	24	Equal Aisle, 90-Degree Intersecting Aisle (48" L X 40" W Load)	in (mm) 98.1 (2490)
		25	Travel Speed RL/NL 1-Speed	mph (km/h) 11.2/11.7 (18/18.8)
			2-Speed	mph (km/h) 14.2/14.7 (22.9/23.7)
26		Lift Speed, Standard 2-Stage LFL RL/NL	ft/min (m/s) 98/102 (.50/.51)	
		Lift Speed, Optional 2-Stage FFL RL/NL	ft/min (m/s) 92/95 (.46/.48)	
		Lift Speed, Optional 3-Stage FFL RL/NL	ft/min (m/s) 95/98 (.48/.49)	
27		Lowering Speed, Standard 2-Stage LFL RL/NL	ft/min (m/s) 100/83 (.51/.42)	
		Lowering Speed, Optional 2-Stage FFL RL/NL	ft/min (m/s) 89/63 (.45/.32)	
		Lowering Speed, Optional 3-Stage FFL RL/NL	ft/min (m/s) 97/77 (.47/.39)	
28		Max Drawbar Pull RL/NL 1-Speed	lb (kg) 6846/3904 (3105/1771) 6858/3904 (3111/1771)	
		2-Speed	lb (kg) 8257/3904 (3745/1771) 8271/3904 (3752/1771)	
		Drawbar Pull @ 1 mph RL/NL 1-Speed	lb (kg) 5741/3904 (2604/1771) 5766/3904 (2615/1771)	
		2-Speed	lb (kg) 6766/3904 (3069/1771) 6794/3904 (3082/1771)	
29		Max Gradeability RL/NL †† 1-Speed	% 25/25 25/25	
		2-Speed	% 30/25 31/25	
	Gradeability @ 1 mph RL/NL †† 1-Speed	% 23/25 21/28		
	2-Speed	% 20/26 20/26		
WT.	31	Weight, Standard Truck (Standard 2-Stg. LFL) NL	lb (kg) 16321 (7403) 16519 (7493)	
		Weight, Standard Truck (Standard 2-Stg. LFL) RL	lb (kg) 28321 (12846) 28519 (12936)	
	32	Axle Loading, Static Front/Rear NL	lb (kg) 6505/9816 (2951/4452) 6584/9935 (2986/4506)	
		Axle Loading, Static Front/Rear RL	lb (kg) 25366/2955 (11506/1340) 25445/3074 (11542/1394)	
TIRES & WHEELS	33	Tire Size, Front	300 x 15 - 20 Ply	
	34	Tire Size, Rear	7.00 x 12 - 14 Ply	
	35	Wheelbase	in (mm) 82.7 (2100)	
	37	Ground Clearance, Lowest Point NL (with RL subtract -6mm)	in (mm) 6.4 (163)	
	38	Ground Clearance, Center of Wheelbase NL	in (mm) 9.3 (237)	
	39	Service Brake - Method of Control/Operation	Foot/Hydraulic	
	40	Parking Brake - Method of Control/Operation	Hand/Mechanical	
POWERTRAIN	41	Battery Type	Maintenance Free	
	42	Volts/Cold Cranking Amps	v/cca 12/475	
	43	Engine, Manufacturer/Model	PSI 4.3L V6 Kubota WG3800 LPG	
	44	Permanent Output	hp (kW) 88(66) @ 2200RPM 86(64) @ 2200RPM	
	45	Torque @ Rated RPM	ft/lbs (kg/m) 210(285) @ 2200RPM 221(300) @ 1000RPM	
	46	Number of Cylinders/Displacement	No/cc (ci) 6/4302 (263) 4/3769 (230)	
		Standard Speeds, Forward/Reverse	1/1	
	49	Hydraulic Tank - capacity (drain & refill)	gal (liter) 17.9 (67.8)	
	50	Fuel Tank Capacity (Gas & Diesel Only)	gal (liter) N/A	
	51	Auxiliary Hydraulic Pressure Relief for Attachments	PSI (Mpa) 2250 (15.5)	

CERTIFICATION: Hyster lift trucks meet the design and construction requirements of B56.1-1969, per OSHA Section 1910.178(a)(2), and also comply with the B56.1 revision in effect at time of manufacture. Certification of compliance with the applicable ANSI standards appears on the lift truck.

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H120 FT SPECIFICATIONS



GENERAL	1	Manufacturer Name	Hyster Company		
		2	Model	H120FT	
		Engine	Kubota 3.8L Dual Fuel		Kubota 3.8L DSL
	3	Rated Capacity	lb (kg)	12000 (5443)	
	4	Load Center, Distance	in (mm)	24 (610)	
	5	Power Type		LPG	Gasoline Diesel
	6	Operator Type	Sit-Down Rider		
	7	Step Height	in (mm)	19.1 (484)	
	8	Tire Type - Cushion, Solid, Pneumatic	Pneumatic		
	9	Wheels, Number - Front/ Rear	X driven	2x/2	
	10	Lift Height, Top of Fork (TOF)	in (mm)	110 (2800)	
	11	Lift Heights, Standard Limited Free Lift (LFL) with LBR (TOF)	in (mm)	4 (100)	
		Lift Heights, Optional Full Free Lift (FFL) with LBR (TOF)	in (mm)	37 (940)	
	12	Standard Carriage Width	in (mm)	54 (1372)	
	13	Forks, Thickness x Width x Length	in (mm)	2 X 6 X 48 (50 X 150 X 1219)	
	14	Fork Spread, Outside Dimensions	in (mm)	49.7 (1262)	
	15	Mast Tilt Angles, Forward/Backward	degrees	6/10	
	16	Length To Face of Forks	in (mm)	131.5 (3341)	
	17	Overall Width, Standard Tread	in (mm)	57.1 (1450)	
		Overall Width, Wide Tread	in (mm)	62.0 (1575)	
	18	Height, Standard Mast - Lowered	in (mm)	88 (2214)	
	19	Height, Standard Mast - Extended with LBR	in (mm)	160 (4064)	
		Height, Standard Mast - Extended without LBR	in (mm)	147 (3730)	
	20	Height, Standard Overhead Guard	in (mm)	91 (2302)	
		Height, Optional Overhead Guard	in (mm)	88 (2235)	
		Height, Overhead Guard with Operator Cab	in (mm)	92 (2323)	
	21	Turning Radius, Minimum Outside (OTR)	in (mm)	114.8 (2915)	
	22	Length, Center of Wheel to Face of Forks	in (mm)	22.9 (591)	
	23	Aisle Width, Right Angle Stack (Add Length of Load)	in (mm)	137.9 (3503)	
	24	Equal Aisle, 90-Degree Intersecting Aisle (48" L X 40" W Load)	in (mm)	98.1 (2490)	
	25	Travel Speed RL/NL	1-Speed	11.2/11.7 (18/18.8)	
			2-Speed	14.2/14.7 (22.9/23.7)	
	26	Lift Speed, Standard 2-Stage LFL RL/NL	ft/min (m/s)	98/102 (.50/.51)	
		Lift Speed, Optional 2-Stage FFL RL/NL	ft/min (m/s)	92/95 (.46/.48)	
		Lift Speed, Optional 3-Stage FFL RL/NL	ft/min (m/s)	95/98 (.48/.49)	
	27	Lowering Speed, Standard 2-Stage LFL RL/NL	ft/min (m/s)	100/83 (.51/.42)	
		Lowering Speed, Optional 2-Stage FFL RL/NL	ft/min (m/s)	89/63 (.45/.32)	
		Lowering Speed, Optional 3-Stage FFL RL/NL	ft/min (m/s)	97/77 (.47/.39)	
	28	Max Drawbar Pull RL/NL	1-Speed	lb (kg)	6478/3904 (2938/1771) 6255/3904 (2837/1771) 6336/3904 (2874/1771)
			2-Speed	lb (kg)	7817/3904 (3546/1771) 7550/3904 (3425/1771) 7647/3904 (3469/1771)
		Drawbar Pull @ 1 mph RL/NL	1-Speed	lb (kg)	5449/3904 (2472/1771) 5272/3904 (2392/1771) 5337/3904 (2421/1771)
			2-Speed	lb (kg)	6432/3904 (2917/1771) 6229/3904 (2825/1771) 6303/3904 (2859/1771)
	29	Max Gradeability RL/NL ††	1-Speed	%	23/25 23/25 23/25
			2-Speed	%	29/25 28/25 28/25
		Gradeability @ 1 mph RL/NL ††	1-Speed	%	22/28 24/28 24/28
			2-Speed	%	22/26 22/26 21/26
	31	Weight, Standard Truck (Standard 2-Stg. LFL) NL	lb (kg)	16519 (7493)	
		Weight, Standard Truck (Standard 2-Stg. LFL) RL	lb (kg)	28519 (12936)	
	32	Axle Loading, Static Front/Rear NL	lb (kg)	6584/9935 (2986/4506)	
		Axle Loading, Static Front/Rear RL	lb (kg)	25445/3074 (11542/1394)	
	33	Tire Size, Front	300 x 15 - 20 Ply		
	34	Tire Size, Rear	7.00 x 12 - 14 Ply		
	35	Wheelbase	in (mm)	82.7 (2100)	
	37	Ground Clearance, Lowest Point NL (with RL subtract -6mm)	in (mm)	6.4 (163)	
	38	Ground Clearance, Center of Wheelbase NL	in (mm)	9.3 (237)	
	39	Service Brake - Method of Control/Operation	Foot/Hydraulic		
	40	Parking Brake - Method of Control/Operation	Hand/Mechanical		
	41	Battery Type	Maintenance Free		
	42	Volts/Cold Cranking Amps	v/cca	12/475	12/475 12/900
	43	Engine, Manufacturer/Model	Kubota 3.8L Dual Fuel		Kubota V3800 T4 Final
	44	Permanent Output	hp (kW)	82(61) @ 2200RPM	78(58) @ 2200RPM 74(55) @ 2200RPM
	45	Torque @ Rated RPM	ft/lbs (kg/m)	207(280) @1200RPM	189(256) @1400RPM 228(309) @1400RPM
	46	Number of Cylinders/Displacement	No/cc (ci)	4/3769 (230)	
		Standard Speeds, Forward/Reverse	1/1		
	49	Hydraulic Tank - capacity (drain & refill)	gal (liter)	17.9 (67.8)	
	50	Fuel Tank Capacity (Gas & Diesel Only)	gal (liter)	26.5 (100.3)	
	51	Auxiliary Hydraulic Pressure Relief for Attachments	PSI (Mpa)	2250 (15.5)	

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AT-A-GLANCE FEATURES

STANDARD EQUIPMENT

- PSI 4.3L, V-6 emissions compliant engine
- One-speed powershift transmission (standard with H80-90FT)
 - Electronic inching
 - Electronic shift control
- Oil-cooled wet disc brakes
- MONOTROL® pedal
- 2-Stage limited free-lift (LFL) VISTA™ mast with maximum fork height of 120" (3050 mm) (H80-90FT) or 110" (2800 mm) (H100-120FT)
- 48" (1219 mm) (H80-90FT) or 54" (1372 mm) (H100-120FT) wide hook-type carriage with 48.0" (1219) tall load backrest
- 48" (1219 mm) long forks
- 6 degrees forward and 12 degrees backward mast tilt
- 3-function hydraulic control valve
- Integrated dashboard display includes:
 - LCD display:
 - Fuel level (gasoline or diesel only)
 - Hour meter
 - Coolant temperature
 - Clock
 - Messages
- Service indicator lights:
 - Alternator
 - Transmission oil temperature
 - Engine oil pressure
 - Brake fluid level
 - Fasten seatbelt
 - Low fuel level
 - Engine malfunction
 - System malfunction
 - Park brake
 - Coolant temp
 - Forward, reverse and neutral direction indicators
- Hydrostatic power steering
- Non-suspension vinyl seat
- Electronic horn
- Adjustable steer column
- Rubber floor mat
- High air intake
- Integral tie downs
- Operator restraint system
- Heavy duty anti-clog radiator
- Single pedal inch-brake
- Hyster Stability System (HSS®)
- Cowl-mounted hydraulic control levers
- Swing out LPG tank bracket
- Pressure sensing low LPG fuel sensor
- 89" (2258 mm) tall overhead guard
- 12 months / 2,000 hours manufacturer's warranty
- 36 months / 6,000 hours manufacturer's powertrain warranty
- Operator's manual
- UL Classification LP



OPTIONAL EQUIPMENT

- Kubota 3.8L LPG Engine
- Kubota 3.8L LPG/Gas (dual fuel) Engine
- Kubota 3.8L Tier 4 Final DOC Turbo Diesel Engine
- Two-speed electronic powershift transmission (standard with H100-120FT)
- Hyster® Variable Power Technology™ featuring two performance modes
- Duramatch™ transmission
 - Auto deceleration system
 - Controlled power reversal feature
 - Controlled roll back on ramps
- Optional Duramatch™ two-speed transmission
 - Additional forward speed
 - Higher gradeability and drawbar pull performance
 - Increased travel speeds
- TouchPoint mini-lever, electro-hydraulic control with on-demand hydraulic system
- Powertrain protection system
- Premium monitoring
- High air intake with pre-cleaner
- Hydraulic accumulator
- Keyless start (with auxiliary key switch)
- Premium wet disc brakes (standard with H100-120FT)
- Optional short height overhead guard
- Paper applications kit
- Full venting package
- Heavy duty engine modification
- EZXchange swing-out, drop-down LPG tank bracket
- Return to set tilt
- On-demand cooling system
- Full venting package
- Fully adjustable armrest
- Rear drive handle with horn button
- Semi-suspension seat - vinyl or cloth
- Full-suspension seat - vinyl or cloth
- Swivel full-suspension seat - vinyl or cloth
- High-visibility non-cinch seat belt with or without interlock
- Impact monitor with immediate shutdown or 30-second delayed shutdown
- Load weight display
- Optical sensing low LPG fuel sensor
- Operator pre-shift checklist
- Lever shift directional control
- Seat side directional control mounted on TouchPoint control armrest
- Dual inch-brake pedals
- Password protection
- Audible reverse-activated 82-102 dB(A) self-adjusting alarm
- Visible amber strobe light - continuous-activated, overhead guard mounted
- Parts publications - printed or CD, serial number specific
- UL Classification LPS or DS
- Various light packages with halogen or high intensity LED's
 - Two front and one rear work lights
 - Two front, one rear work lights and two LED brake/tail/back-up lights
- Extended life solid pneumatic tires
- Radial tires
- Dual drive tires
- Side view mirrors
- Cab includes: front and rear wiper, full light package, integral heater, defogger, removable doors, operator dome light, fan, optional air conditioning



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11/2016 Litho in U.S.A.

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