

J45-70XN SERIES

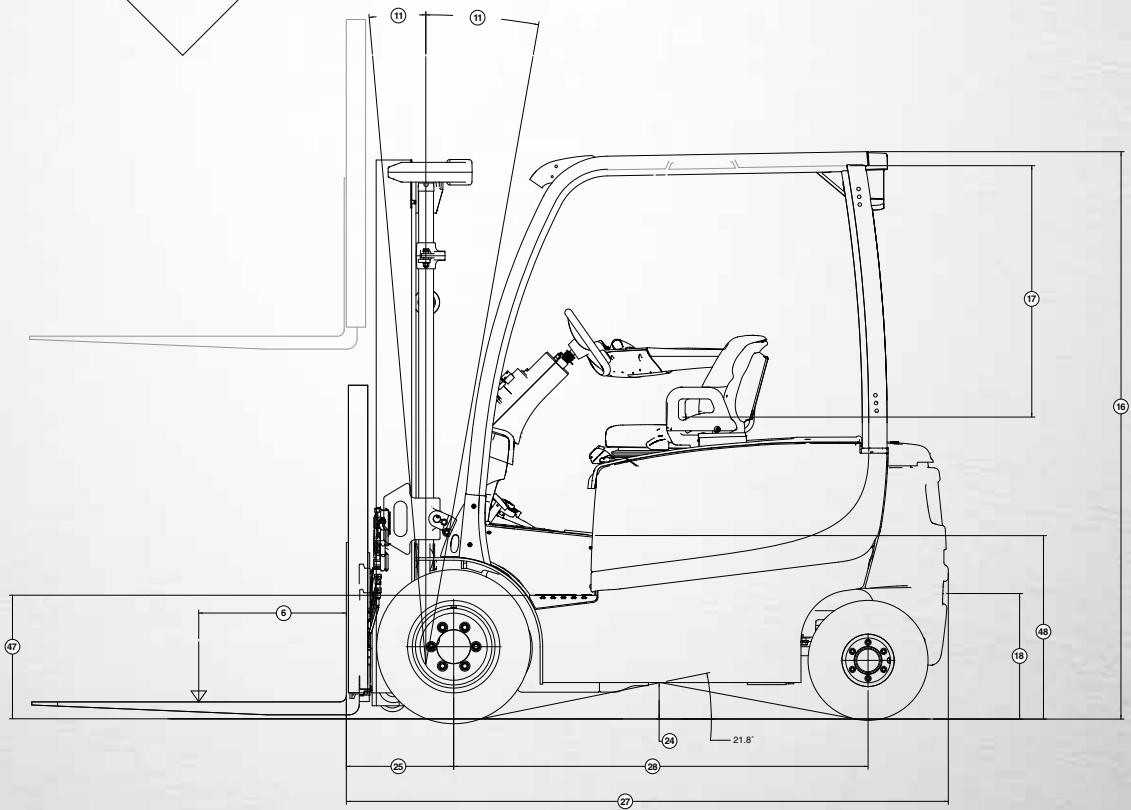
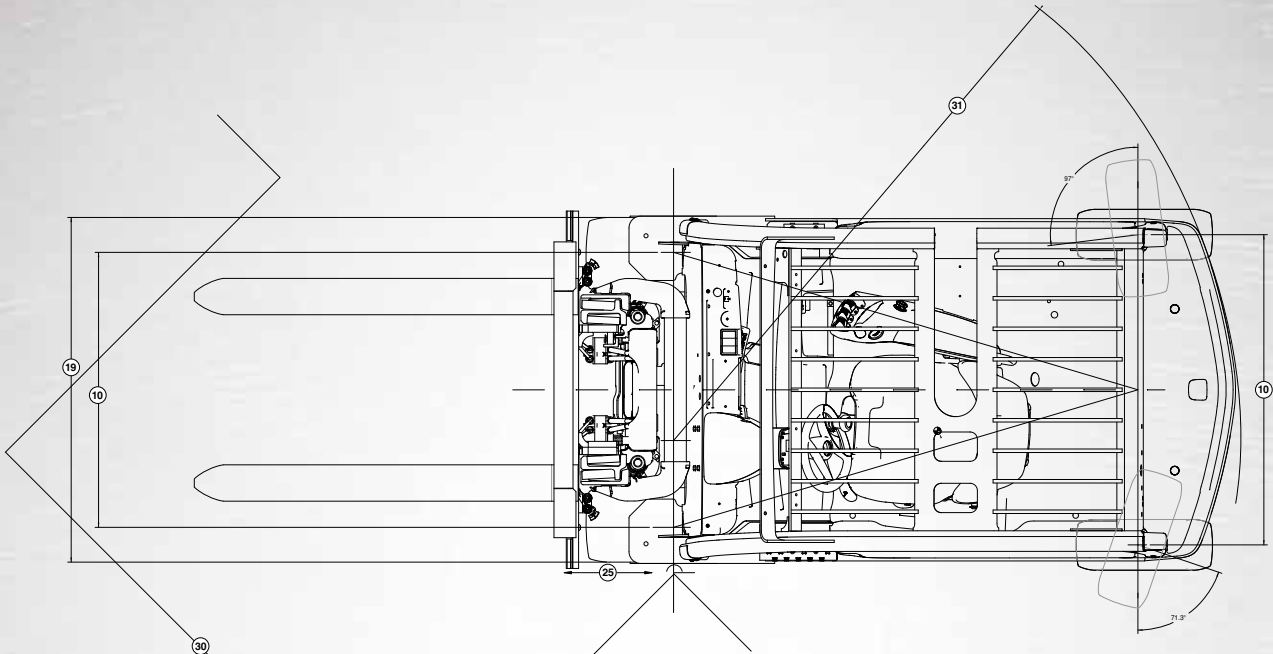


**STRONG PARTNERS.
TOUGH TRUCKS.™**

TECHNICAL GUIDE

Counterbalanced Electric, Pneumatic Tire

J45-70XN DIMENSIONS



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

J45XN SPECIFICATIONS

GENERAL	1	Manufacturer		Hyster Company			
	2	Model Designation		J45XN			
	3	Power/Voltage		Electric / 80 Volts			
	4	Operation		Sit			
TIRES	5	Rated Capacity	lb. (kg)	4500 (2041)			
	6	Load Center	in. (mm)	24 (610)			
	7	Tire Type (Std/Opt)		Pneumatic / Pneumatic Shaped Solid			
	8	Tire Size (Drive/Steer)	in.	23 x 10 - 12 / 18 x 7 - 8			
DIMENSIONS	9	Wheels - Number X=Driven (Drive/Steer)	front/rear	2X / 2			
	10	Tread	Ctr. of Tires Std Dr/Wide Dr/Steer	in. (mm) 36.9 / 41.5 / 39.1 (938 / 1054 / 992)			
	11	Mast Tilt	Std Opt Opt	degrees 5F / 5B 10F / 5B 5F / 6B			
	12	Mast - Lowered Height	Std Mast	in. (mm) 87 (2192)			
	13	Free Lift - Top of Fork	Std 2 Stg Limited Free Lift Mast	in. (mm) 5 (140)			
	PERFORMANCE	14	Lift Height - Top of Fork	Opt 2 Stg Full Free Lift Mast with/without LBR	in. (mm) 37 / 64 (962 / 1628)		
		15	Mast - Extended Height	Std 2 Stg Limited Free Lift Mast	in. (mm) 133 (3392)		
		16	Mast - Extended Height	Std Mast with/without LBR	in. (mm) 182 / 156 (4622 / 3956)		
		17	Overhead Guard Height	Without/With Battery Rollers	in. (mm) 86.3 / 90.4 (2193 / 2297)		
		18	SIP to Bottom of OHG	Seat Depressed Std/Susp/Swivel	in. (mm) 38.8 / 39.4 / 38.9 (986 / 1001 / 989)		
		19	Tow Pin Height	Vertical Center of Pin	in. (mm) 10.3 (262)		
		WT.	20	Overall Width	Pneumatic Tires Std/Wide Tread	in. (mm) 46.9 / 51.5 (1192 / 1308)	
			21	Forks	PSS Tires Std/Wide Tread	in. (mm) 46.2 / 50.7 (1173 / 1289)	
			22	Forks	Thickness x Width x Length	in. (mm) 1.6 x 3.9 x 42 (40 x 100 x 1067)	
			23	Standard Carriage Width		in. (mm) 42 (1067)	
			24	Floor to Top of Battery Rollers		in. (mm) 9.8 (250)	
			25	Ground Clearance	Lowest Point (NL/RL)	in. (mm) 3.9 / 3.3 (98 / 83)	
			26	Ground Clearance	Center of Truck (NL/RL)	in. (mm) 5.4 / 5.3 (137 / 135)	
			27	Load Distance	Center of Wheel to Face of Forks	in. (mm) 16.5 (419)	
			OTHER	28	Battery Compartment	Height without/with Batt. Rollers	in. (mm) 31.2 / 31.2 (792 / 792)
				29	Battery Compartment	Width	in. (mm) 40.7 (1034)
		30		Battery Compartment	Nominal	SIZE 28"	
		31		Battery Compartment	Length Actual	in. (mm) 28.2 (717)	
	32	Length to Face of Forks		Chassis Length	in. (mm) 92.0 (2336)		
	33	Wheelbase			in. (mm) 63.2 (1606)		
	34	Right Angle Stack			in. (mm) 141.8 (3602)		
	35	Equal Aisle		90° Intersecting Aisle	in. (mm) 78.2 (1986)		
	36	Outside Turning Radius			in. (mm) 76 (1931)		
	ELECTRIC	37		Truck Weight	Without Battery (NL)	lb. (kg) 6360 (2885)	
		38	Axle Loading - Drive	Static with Max. Wt. Battery (NL/RL)	lb. (kg) 5266 / 12649 (2389 / 5737)		
		39	Axle Loading - Steer	Static with Max. Wt. Battery (NL/RL)	lb. (kg) 5236 / 2352 (2375 / 1067)		
		35	Travel Speed	(NL/RL)	mph (km/h)	Standard Performance 11.2 / 11.2 (18 / 18) PowerPlus Performance 13 / 13 (21 / 21)	
36			Lift Speed	Std 2 Stg LFL Mast (NL/RL)	ft/min (m/sec) 124 / 79 (0.63 / 0.40) 142 / 102 (0.72 / 0.52)		
			Opt 2 Stg FFL Mast (NL/RL)	ft/min (m/sec) 124 / 81 (0.63 / 0.41) 130 / 98 (0.66 / 0.50)			
		Opt 3 Stg FFL Mast (NL/RL)	ft/min (m/sec) 124 / 79 (0.63 / 0.40) 134 / 100 (0.68 / 0.51)				
37		Lower Speed	Std 2 Stg LFL Mast (NL/RL)	ft/min (m/sec) 100 / 112 (0.51 / 0.57)			
		Opt 2 Stg FFL Mast (NL/RL)	ft/min (m/sec) 91 / 102 (0.46 / 0.52)				
		Opt 3 Stg FFL Mast (NL/RL)	ft/min (m/sec) 93 / 106 (0.47 / 0.54)				
38	Gradability	5 Minute Rating (NL/RL)	% 39 / 26				
	60 Minute Rating (NL/RL)	% 13 / 9					
39	Drawbar Pull	5 Minute Rating (NL/RL)	lbf 4283 / 4057				
	60 Minute Rating (NL/RL)	lbf 1298 / 1229					
40	Brake	Method of Control (Service/Parking)	Hydraulic / Mechanical				
	Method of Operation (Service/Parking)	Foot / Automatic					
41	Battery	Type	Lead Acid				
42	Traction Motors (Dual)	60 Minute Rating (Each)	hp (kW) 13.4 (10) 13.4 (10)				
43	Pump Motor	15 Minute Rating	hp (kW) 21.5 (16) 32.2 (24)				
44	Traction Motors	Type/Control Method	Dual AC / Transistor				
45	Pump Motor	Type/Control Method	AC / Transistor				
46	Number of Speeds	Traction/Pump	Infinitely Variable / Infinitely Variable				
47	Step Height		in. (mm) 18.7 (475)				
48	Floor Height	Without/With Battery Rollers	in. (mm) 27.8 / 31.9 (706 / 810)				
49	Attachment Relief Pressure		psi (bar) 2250 (155)				
50	Auxiliary Oil Flow	3rd and 4th Function	gal/min (l/min) 11 (40)				
51	Sound Level	Measured per ANSI B56.11.5	dB (A) 63 65				

CERTIFICATION: These Hyster lift trucks meet design specifications of Part II ANSI B56.1-1969, as required by OSHA Section 1910.178(a)(2) and also comply with Part III ANSI 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.

J50XN SPECIFICATIONS

GENERAL				Hyster Company	
1	Manufacturer			Hyster Company	
2	Model Designation			J50XN	
3	Power/Voltage			Electric / 80 Volts	
4	Operation			Sit	
5	Rated Capacity	lb. (kg)		5000 (2268)	
6	Load Center	in. (mm)		24 (610)	
7	Tire Type (Std/Opt)			Pneumatic / Pneumatic Shaped Solid	
8	Tire Size (Drive/Steer)	in.		23 x 10 - 12 / 18 x 7 - 8	
9	Wheels - Number X=Driven (Drive/Steer)	front/rear		2X / 2	
10	Tread	Ctr. of Tires	Std Dr/Wide Dr/Steer	in. (mm)	
11	Mast Tilt	Std Opt Opt		degrees	
12	Mast - Lowered Height	Std Mast		in. (mm)	
13	Free Lift - Top of Fork	Std 2 Stg Limited Free Lift Mast		in. (mm)	
14	Lift Height - Top of Fork	Opt 2 Stg Full Free Lift Mast with/without LBR		in. (mm)	
15	Mast - Extended Height	Std 2 Stg Limited Free Lift Mast		in. (mm)	
16	Overhead Guard Height	Without/With Battery Rollers		in. (mm)	
17	SIP to Bottom of OHG	Seat Depressed	Std/Susp/Swivel	in. (mm)	
18	Tow Pin Height	Vertical Center of Pin		in. (mm)	
19	Overall Width	Pneumatic Tires	Std/Wide Tread	in. (mm)	
20	Forks	PSS Tires	Std/Wide Tread	in. (mm)	
21	Standard Carriage Width	Thickness x Width x Length		in. (mm)	
22	Floor to Top of Battery Rollers			in. (mm)	
23	Ground Clearance	Lowest Point (NL/RL)		in. (mm)	
24	Ground Clearance	Center of Truck (NL/RL)		in. (mm)	
25	Load Distance	Center of Wheel to Face of Forks		in. (mm)	
26	Battery Compartment	Height	without/with Batt. Rollers	in. (mm)	
		Width		in. (mm)	
		Nominal	SIZE	28" 34"	
		Length	Actual	in. (mm)	
27	Length to Face of Forks	Chassis Length		in. (mm)	
28	Wheelbase			in. (mm)	
29	Right Angle Stack			in. (mm)	
30	Equal Aisle	90° Intersecting Aisle		in. (mm)	
31	Outside Turning Radius			in. (mm)	
32	Truck Weight	Without Battery (NL)		lb. (kg)	
33	Axle Loading - Drive	Static with Max. Wt. Battery (NL/RL)		lb. (kg)	
34	Axle Loading - Steer	Static with Max. Wt. Battery (NL/RL)		lb. (kg)	
				Standard Performance PowerPlus Performance	
35	Travel Speed	(NL/RL)		mph (km/h)	
36	Lift Speed	Std 2 Stg LFL Mast (NL/RL)		ft/min (m/sec)	
		Opt 2 Stg FFL Mast (NL/RL)		ft/min (m/sec)	
		Opt 3 Stg FFL Mast (NL/RL)		ft/min (m/sec)	
37	Lower Speed	Std 2 Stg LFL Mast (NL/RL)		ft/min (m/sec)	
		Opt 2 Stg FFL Mast (NL/RL)		ft/min (m/sec)	
		Opt 3 Stg FFL Mast (NL/RL)		ft/min (m/sec)	
38	Gradability	5 Minute Rating (NL/RL)		%	
		60 Minute Rating (NL/RL)		%	
39	Drawbar Pull	5 Minute Rating (NL/RL)		lbf	
		60 Minute Rating (NL/RL)		lbf	
40	Brake	Method of Control (Service/Parking)		Hydraulic / Mechanical	
		Method of Operation (Service/Parking)		Foot / Automatic	
41	Battery	Type		Lead Acid	
42	Traction Motors (Dual)	60 Minute Rating (Each)		hp (kW)	
43	Pump Motor	15 Minute Rating		hp (kW)	
44	Traction Motors	Type/Control Method		Dual AC / Transistor	
45	Pump Motor	Type/Control Method		AC / Transistor	
46	Number of Speeds	Traction/Pump		Infinitely Variable / Infinitely Variable	
47	Step Height			in. (mm)	
48	Floor Height	Without/With Battery Rollers		in. (mm)	
49	Attachment Relief Pressure			psi (bar)	
50	Auxiliary Oil Flow	3rd and 4th Function		gal/min (l/min)	
51	Sound Level	Measured per ANSI B56.11.5		dB (A)	

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J60XN SPECIFICATIONS

GENERAL	1	Manufacturer		Hyster Company
	2	Model Designation		J060XN
	3	Power/Voltage		Electric / 80 Volts
	4	Operation		Sit
TIRES	5	Rated Capacity	lb. (kg)	6000 (2722)
	6	Load Center	in. (mm)	24 (610)
	7	Tire Type (Std/Opt)		Pneumatic / Pneumatic Shaped Solid
	8	Tire Size (Drive/Steer)	in.	23 x 10 - 12 / 18 x 7 - 8
DIMENSIONS	9	Wheels – Number X=Driven (Drive/Steer)	front/rear	2X / 2
	10	Tread	Ctr. of Tires Std Dr/Wide Dr/Steer	in. (mm) 36.9 / 41.5 / 39.1 (938 / 1054 / 992)
	11	Mast Tilt	Std Opt Opt	degrees 5F / 5B 10F / 5B 5F / 6B
	12	Mast - Lowered Height	Std Mast	in. (mm) 87 (2192)
	13	Free Lift - Top of Fork	Std 2 Stg Limited Free Lift Mast	in. (mm) 5 (140)
	14	Lift Height - Top of Fork	Opt 2 Stg Full Free Lift Mast with/without LBR	in. (mm) 37 / 60 (957 / 1540)
			Std 2 Stg Limited Free Lift Mast	in. (mm) 126 (3209)
	15	Mast - Extended Height	Std Mast with/without LBR	in. (mm) 175 / 153 (4444 / 3861)
	16	Overhead Guard Height	Without/With Battery Rollers	in. (mm) 86.3 / 90.4 (2193 / 2297)
	17	SIP to Bottom of OHG	Seat Depressed Std/Susp/Swivel	in. (mm) 38.8 / 39.4 / 38.9 (986 / 1001 / 989)
	18	Tow Pin Height	Vertical Center of Pin	in. (mm) 10.3 (262)
	19	Overall Width	Pneumatic Tires Std/Wide Tread	in. (mm) 46.9 / 51.5 (1192 / 1308)
			PSS Tires Std/Wide Tread	in. (mm) 46.2 / 50.7 (1173 / 1289)
	20	Forks	Thickness x Width x Length	in. (mm) 2 x 4.9 x 42 (50 x 125 x 1067)
	21	Standard Carriage Width		in. (mm) 42 (1067)
	22	Floor to Top of Battery Rollers		in. (mm) 9.8 (250)
	23	Ground Clearance	Lowest Point (NL/RL)	in. (mm) 3.9 / 3.3 (98 / 83)
	24	Ground Clearance	Center of Truck (NL/RL)	in. (mm) 5.4 / 5.3 (137 / 134)
	25	Load Distance	Center of Wheel to Face of Forks	in. (mm) 17.0 (431)
	26	Battery Compartment	Height without/with Batt. Rollers	in. (mm) 31.2 / 31.2 (792 / 792)
			Width	in. (mm) 40.7 (1034)
	27	Length to Face of Forks	Nominal	SIZE 34"
			Length Actual	in. (mm) 33.9 (861)
	28	Wheelbase	Chassis Length	in. (mm) 98.1 (2492)
	29	Right Angle Stack		in. (mm) 68.9 (1750)
	30	Equal Aisle	90° Intersecting Aisle	in. (mm) 147.3 (3742)
	31	Outside Turning Radius		in. (mm) 80.7 (2049)
WT.	32	Truck Weight	Without Battery (NL)	lb. (kg) 6730 (3053)
	33	Axle Loading - Drive	Static with Max. Wt. Battery (NL/RL)	lb. (kg) 5930 / 15499 (2690 / 7030)
	34	Axle Loading - Steer	Static with Max. Wt. Battery (NL/RL)	lb. (kg) 5714 / 2145 (2592 / 973)
PERFORMANCE	35	Travel Speed	(NL/RL)	mph (km/h) 11.2 / 10.6 (18 / 17)
	36	Lift Speed	Std 2 Stg LFL Mast (NL/RL)	ft/min (m/sec) 116 / 65 (0.59 / 0.33)
			Opt 2 Stg FFL Mast (NL/RL)	ft/min (m/sec) 108 / 65 (0.55 / 0.33)
			Opt 3 Stg FFL Mast (NL/RL)	ft/min (m/sec) 112 / 65 (0.57 / 0.33)
	37	Lower Speed	Std 2 Stg LFL Mast (NL/RL)	ft/min (m/sec) 91 / 110 (0.46 / 0.56)
			Opt 2 Stg FFL Mast (NL/RL)	ft/min (m/sec) 73 / 102 (0.37 / 0.52)
			Opt 3 Stg FFL Mast (NL/RL)	ft/min (m/sec) 79 / 104 (0.4 / 0.53)
	38	Gradability	5 Minute Rating (NL/RL)	% 34 / 22
			60 Minute Rating (NL/RL)	% 11 / 7
39	Drawbar Pull	5 Minute Rating (NL/RL)	lbf 4146 / 4037	
		60 Minute Rating (NL/RL)	lbf 1256 / 1223	
40	Brake	Method of Control (Service/Parking)	Hydraulic / Mechanical	
		Method of Operation (Service/Parking)	Foot / Automatic	
ELECTRIC	41	Battery	Type	Lead Acid
	42	Traction Motors (Dual)	60 Minute Rating (Each)	hp (kW) 13.4 (10) 13.4 (10)
	43	Pump Motor	15 Minute Rating	hp (kW) 21.5 (16) 32.2 (24)
	44	Traction Motors	Type/Control Method	Dual AC / Transistor
	45	Pump Motor	Type/Control Method	AC / Transistor
	46	Number of Speeds	Traction/Pump	Infinitely Variable / Infinitely Variable
OTHER	47	Step Height	in. (mm)	18.7 (475)
	48	Floor Height	Without/With Battery Rollers	in. (mm) 27.8 / 31.9 (706 / 810)
	49	Attachment Relief Pressure		psi (bar) 2250 (155)
	50	Auxiliary Oil Flow	3rd and 4th Function	gal/min (l/min) 11 (40)
	51	Sound Level	Measured per ANSI B56.11.5	dB (A) 63 65

J70XN SPECIFICATIONS

GENERAL	1 Manufacturer			Hyster Company		
	2 Model Designation			J70XN		
GENERAL	3 Power/Voltage			Electric / 80 Volts		
	4 Operation			Sit		
GENERAL	5 Rated Capacity			lb. (kg) 7000 (3175)		
	6 Load Center			in. (mm) 24 (610)		
TIRES	7 Tire Type (Std/Opt)			Pneumatic / Pneumatic Shaped Solid		
	8 Tire Size (Drive/Steer)			in. 23 x 10 - 12 / 18 x 7 - 8		
TIRES	9 Wheels - Number X=Driven (Drive/Steer)			front/rear 2X / 2		
	10 Tread		Ctr. of Tires	Std Dr/Wide Dr/Steer	in. (mm) 36.9 / 41.5 / 39.1 (938 / 1054 / 992)	
TIRES	11 Mast Tilt		Std Opt Opt	degrees 5F / 5B 10F / 5B 5F / 6B		
	12 Mast - Lowered Height		Std Mast	in. (mm) 87 (2192)		
TIRES	13 Free Lift - Top of Fork		Std 2 Stg Limited Free Lift Mast	in. (mm) 5 (140)		
	14 Lift Height - Top of Fork		Opt 2 Stg Full Free Lift Mast with/without LBR	in. (mm) 37 / 60 (957 / 1540)		
TIRES	15 Mast - Extended Height		Std 2 Stg Limited Free Lift Mast	in. (mm) 126 (3209)		
	16 Mast - Extended Height		Std Mast with/without LBR	in. (mm) 175 / 153 (4444 / 3861)		
TIRES	17 Overhead Guard Height		Without/With Battery Rollers	in. (mm) 86.3 / 90.4 (2193 / 2297)		
	18 SIP to Bottom of OHG		Seat Depressed	Std/Susp/Swivel	in. (mm) 38.8 / 39.4 / 38.9 (986 / 1001 / 989)	
TIRES	19 Tow Pin Height		Vertical Center of Pin	in. (mm) 10.3 (262)		
	20 Overall Width		Pneumatic Tires	Std/Wide Tread	in. (mm) 46.9 / 51.5 (1192 / 1308)	
TIRES	21 Forks		PSS Tires	Std/Wide Tread	in. (mm) 46.2 / 50.7 (1173 / 1289)	
	22 Standard Carriage Width		Thickness x Width x Length	in. (mm) 2 x 4.9 x 42 (50 x 125 x 1067)		
DIMENSIONS	23 Floor to Top of Battery Rollers			in. (mm) 42 (1067)		
	24 Ground Clearance			in. (mm) 9.8 (250)		
DIMENSIONS	25 Ground Clearance		Lowest Point (NL/RL)	in. (mm) 3.9 / 3.3 (98 / 83)		
	26 Ground Clearance		Center of Truck (NL/RL)	in. (mm) 5.4 / 5.2 (137 / 132)		
DIMENSIONS	27 Load Distance		Center of Wheel to Face of Forks	in. (mm) 17.0 (431)		
	28 Battery Compartment		Height	without/with Batt. Rollers	in. (mm) 31.2 / 31.2 (792 / 792)	
DIMENSIONS	29 Battery Compartment		Width	in. (mm) 40.7 (1034)		
	30 Length to Face of Forks		Nominal	SIZE 34"		
DIMENSIONS	31 Length to Face of Forks		Actual	in. (mm) 33.9 (861)		
	32 Wheelbase		Chassis Length	in. (mm) 101.2 (2570)		
DIMENSIONS	33 Right Angle Stack		in. (mm) 68.9 (1750)			
	34 Equal Aisle		90° Intersecting Aisle	in. (mm) 149.9 (3808)		
WT.	35 Outside Turning Radius		in. (mm) 81.8 (2078)			
	36 Truck Weight		Without Battery (NL)	lb. (kg) 84.2 (2139)		
WT.	37 Axle Loading - Drive		Static with Max. Wt. Battery (NL/RL)	lb. (kg) 7420 (3366)		
	38 Axle Loading - Steer		Static with Max. Wt. Battery (NL/RL)	lb. (kg) 5814 / 16979 (2637 / 7702)		
PERFORMANCE	39 Axle Loading - Steer		Static with Max. Wt. Battery (NL/RL)	lb. (kg) 6525 / 2360 (2960 / 1070)		
	40 Travel Speed		(NL/RL)	Standard Performance	PowerPlus Performance	
PERFORMANCE	41 Lift Speed		Std 2 Stg LFL Mast (NL/RL)	mph (km/h) 11.2 / 9.9 (18 / 16)		
	42 Lower Speed		Opt 2 Stg FFL Mast (NL/RL)	ft/min (m/sec) 13 / 11.2 (21 / 18)		
PERFORMANCE	43 Lower Speed		Opt 3 Stg FFL Mast (NL/RL)	ft/min (m/sec) 116 / 61 (0.59 / 0.31)		
	44 Lower Speed		Opt 2 Stg FFL Mast (NL/RL)	ft/min (m/sec) 108 / 61 (0.55 / 0.31)		
PERFORMANCE	45 Lower Speed		Opt 3 Stg FFL Mast (NL/RL)	ft/min (m/sec) 112 / 61 (0.57 / 0.31)		
	46 Gradability		Std 2 Stg LFL Mast (NL/RL)	ft/min (m/sec) 91 / 114 (0.46 / 0.58)		
PERFORMANCE	47 Gradability		Opt 2 Stg FFL Mast (NL/RL)	ft/min (m/sec) 73 / 106 (0.37 / 0.54)		
	48 Gradability		Opt 3 Stg FFL Mast (NL/RL)	ft/min (m/sec) 79 / 110 (0.40 / 0.56)		
PERFORMANCE	49 Drawbar Pull		5 Minute Rating (NL/RL)	% 32 / 20		
	50 Drawbar Pull		60 Minute Rating (NL/RL)	% 10 / 6		
PERFORMANCE	51 Brake		Method of Control (Service/Parking)	Hydraulic / Mechanical		
	52 Brake		Method of Operation (Service/Parking)	Foot / Automatic		
ELECTRIC	53 Battery		Type	Lead Acid		
	54 Traction Motors (Dual)		60 Minute Rating (Each)	hp (kW)	13.4 (10) 13.4 (10)	
ELECTRIC	55 Pump Motor		15 Minute Rating	hp (kW)	21.5 (16) 32.2 (24)	
	56 Traction Motors		Type/Control Method	Dual AC / Transistor		
ELECTRIC	57 Pump Motor		Type/Control Method	AC / Transistor		
	58 Number of Speeds		Traction/Pump	Infinitely Variable / Infinitely Variable		
OTHER	59 Step Height		in. (mm) 18.7 (475)			
	60 Floor Height		Without/With Battery Rollers	in. (mm) 27.8 / 31.9 (706 / 810)		
OTHER	61 Attachment Relief Pressure		psi (bar) 2250 (155)			
	62 Auxiliary Oil Flow		3rd and 4th Function	gal/min (l/min) 11 (40)		
OTHER	63 Sound Level		Measured per ANSI B56.11.5	dB (A) 63 65		

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MAST DIMENSIONS

J45-50XN MAST DIMENSIONS

Maximum Fork Height (TOF)	Overall Lowered Ht.	Overall Extended Height w/Load Backrest	Overall Extended Height w/o Load Backrest	Free-Lift (TOF) w/Load Backrest	Free-Lift (TOF) w/o Load Backrest	Truck Weight	
						J45XN	J50XN
in. (mm)	in. (mm)	in. (mm)	in. (mm)	in. (mm)	in. (mm)		
2-STAGE LIMITED FREE-LIFT (LFL) VISTA® MAST							
133 (3392)	87 (2192)	182 (4622)	156 (3956)	5 (140)	5 (140)	6305	6305
141 (3592)	91 (2292)	190 (4822)	164 (4156)	5 (140)	5 (140)	6335	6335
2-STAGE FULL FREE-LIFT (FFL) VISTA® MAST							
133 (3402)	87 (2192)	183 (4632)	157 (3966)	37 (962)	64 (1628)	6350	6350
141 (3602)	91 (2292)	191 (4832)	164 (4166)	41 (1062)	68 (1728)	6380	6380
3-STAGE FULL FREE-LIFT (FFL) VISTA® MAST							
183 (4650)	81 (2042)	232 (5880)	205 (5196)	32 (812)	58 (1496)	6645	6645
189 (4800)	83 (2092)	238 (6030)	211 (5346)	33 (862)	60 (1546)	6665	6665
194 (4950)	85 (2142)	244 (6180)	217 (5496)	35 (912)	62 (1596)	6690	6690
200 (5100)	89 (2242)	250 (6330)	223 (5646)	39 (1012)	66 (1696)	6735	6735
206 (5250)	91 (2292)	256 (6480)	229 (5796)	41 (1062)	68 (1746)	6765	6765
212 (5400)	93 (2342)	261 (6630)	235 (5946)	43 (1112)	70 (1796)	6790	6790

J60-70XN MAST DIMENSIONS

Maximum Fork Height (TOF)	Overall Lowered Ht.	Overall Extended Height w/Load Backrest	Overall Extended Height w/o Load Backrest	Free-Lift (TOF) w/Load Backrest	Free-Lift (TOF) w/o Load Backrest	Truck Weight	
						J60XN	J70XN
in. (mm)	in. (mm)	in. (mm)	in. (mm)	in. (mm)	in. (mm)		
2-STAGE LIMITED FREE-LIFT (LFL) VISTA® MAST							
126 (3209)	87 (2192)	175 (4444)	152 (3861)	5 (150)	5 (150)	6655	7345
134 (3409)	91 (2292)	183 (4644)	160 (4061)	5 (150)	5 (150)	6690	7380
2-STAGE FULL FREE-LIFT (FFL) VISTA® MAST							
126 (3210)	87 (2192)	175 (4445)	152 (3862)	37 (957)	60 (1540)	6700	7390
134 (3410)	91 (2292)	183 (4645)	160 (4062)	41 (1057)	64 (1640)	6730	7420
3-STAGE FULL FREE-LIFT (FFL) VISTA® MAST							
181 (4618)	85 (2142)	231 (5853)	207 (5252)	35 (907)	59 (1508)	7030	7720
187 (4768)	89 (2242)	237 (6003)	213 (5402)	39 (1007)	63 (1608)	7085	7775
193 (4918)	91 (2292)	243 (6153)	219 (5552)	41 (1057)	65 (1658)	7105	7795
205 (5218)	95 (2392)	255 (6453)	231 (5852)	45 (1157)	69 (1758)	7160	7850
217 (5518)	101 (2542)	266 (6753)	243 (6152)	51 (1307)	75 (1908)	7340	8030

BATTERY AND COMPARTMENT SPECIFICATIONS

Model	Compartment Size			Battery Specifications								
				Electrical				Size			Weight	
	W in (mm)	L in (mm)	H in (mm)	Volts	No. of cells	Plates per cell	Max Amp Hr (kWh)	"X" Max in (mm)	"Y" Max in (mm)	"Z" Max in (mm)	Min lbs (kg)	Max lbs (kg)
J45-50XN 28" Compartment	40.7 (1034)	28.2 (717)	31.2 (792)	80	40	9	1000 (77.6)	40.5 (1028)	28 (711)	30.9 (784)	3700 (1686)	4100 (1878)
J60-70XN 34" Compartment	40.7 (1034)	33.9 (861)	31.2 (792)	80	40	11	1000 (77.6)	40.5 (1028)	33.7 (855)	30.9 (784)	4500 (2021)	4900 (2233)

Battery Type: "EO" (Without Cover)

Battery amp hr (kwh) capacity is max allowable per UL

Commercially available lead acid batteries may not necessarily reach these max limits

Battery Compartment Length is measured front to rear. Battery Compartment Width is measured across the truck

Battery Notes - Conventional Charging (Opt G26201)

Battery Connector: 80 volt - Black (Anderson Power Products® SBE®320 P/N 6363G1 or REMA® SRE 320 P/N 78350-05)

Battery Lead: Length 30" (762 mm), Position "A", 2/0 AWG

Battery Notes - Rapid / Fast Charging (Opt G26202)

Battery Connector: Requires Positive / Negative Cabling terminating in (1) Female EBC-320 DIN Connector (Anderson Power Products® P/N E32503-00X9 or REMA® 95625-X1)

DIN connector to include 1 Red Conductor to (+) and 1 black conductor to (-)

Battery Lead: Length 36" (915 mm), Position "A", Minimum Cable Size 3/0 AWG

Battery Notes - Premium, Fully Integrated "Quick Connect" Rapid / Fast Charging

Battery Connector: Requires Positive / Negative Cabling terminating in (1) Female EBC-320 DIN Connector (Anderson Power Products® P/N E32503-00X9 or REMA® 95625-X1)

DIN connector to include 1 Red Conductor to (+) and 1 black conductor to (-)

Battery Lead: Length 36" (915 mm), Position "A", Minimum Cable Size 3/0 AWG



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Part No. J45-70XN/TG
10/2013 Litho in U.S.A.

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