

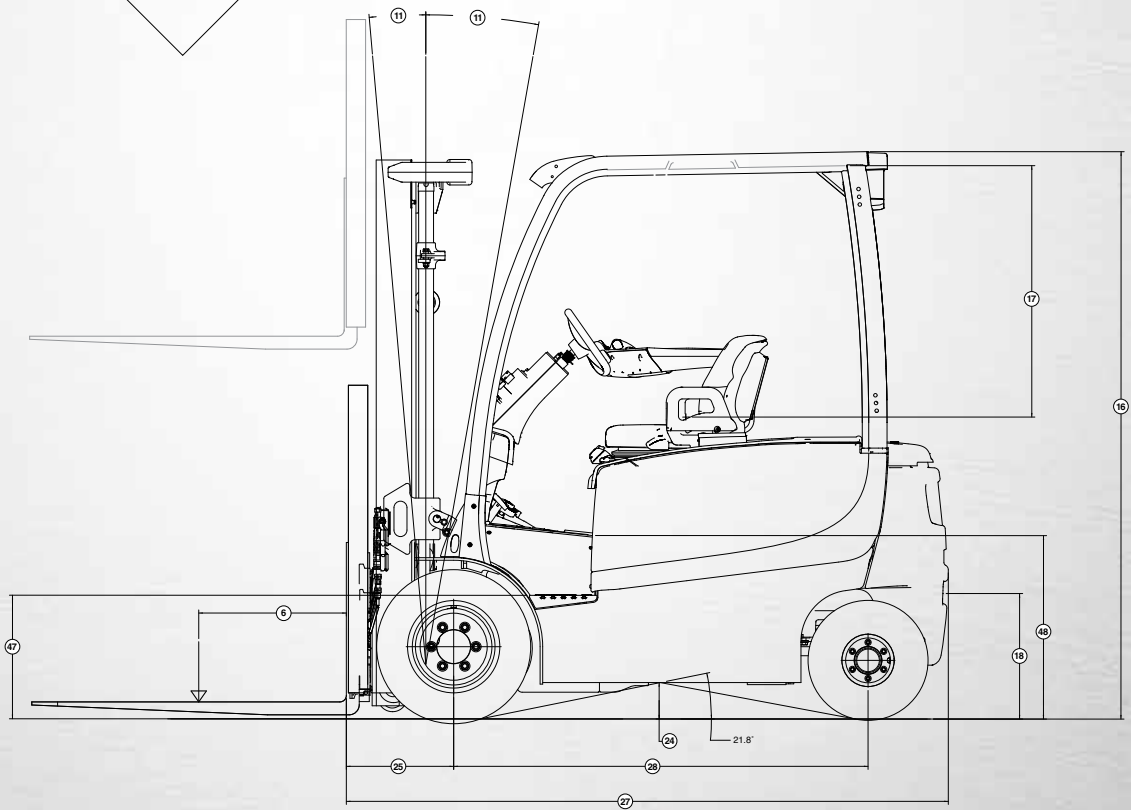
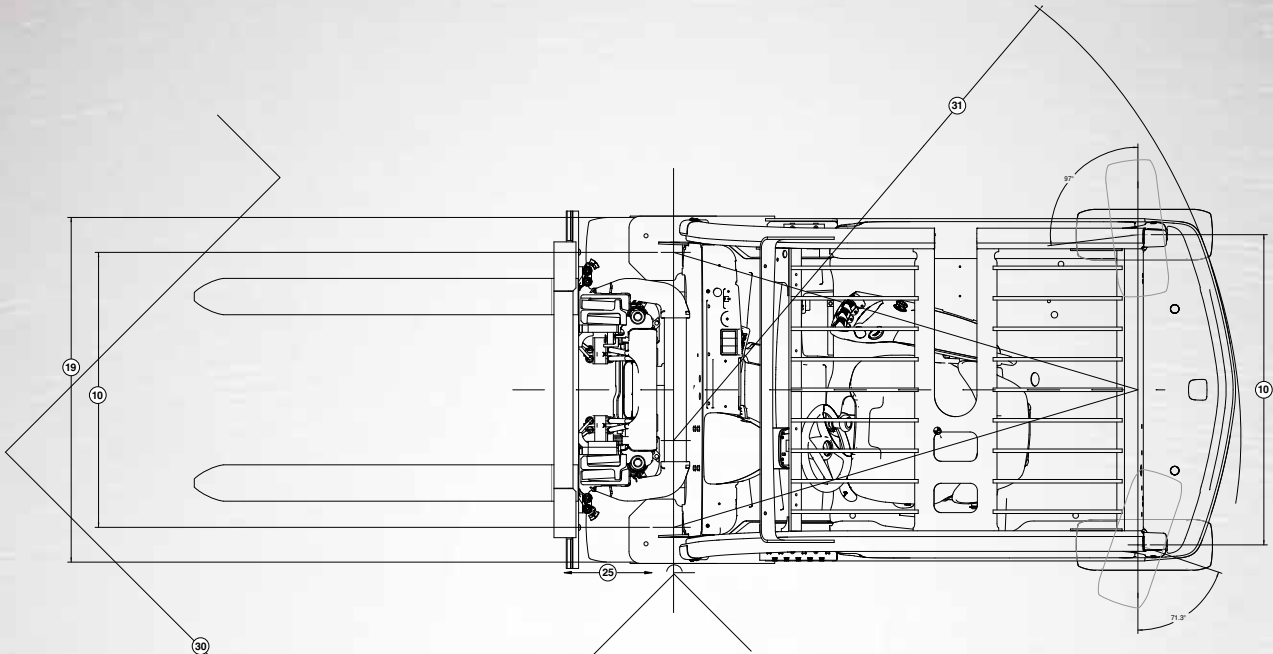
# J45-70XN SERIES



**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

<b>GENERAL</b>	1	Manufacturer		Hyster Company	
	2	Model Designation		J45XN	
	3	Power/Voltage		Electric / 80 Volts	
	4	Operation		Sit	
<b>TIRES</b>	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	
<b>DIMENSIONS</b>	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)	
	<b>WT.</b>			Opt 2 Stg Full Free Lift Mast with/without LBR	in. (mm) 37 / 64 (962 / 1628)
		14	Lift Height - Top of Fork	Std 2 Stg Limited Free Lift Mast	in. (mm) 133 (3392)
		15	Mast - Extended Height	Std Mast with/without LBR	in. (mm) 182 / 156 (4622 / 3956)
		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) 1.6 x 3.9 x 42 (40 x 100 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 / 135)
		25	Load Distance	Center of Wheel to Face of Forks	in. (mm) 16.5 (419)
		26	Battery Compartment	Height   without/with Batt. Rollers	in. (mm) 31.2 / 31.2 (792 / 792)
				Width	in. (mm) 40.7 (1034)
				Nominal SIZE	28"
				Length   Actual	in. (mm) 28.2 (717)
	27	Length to Face of Forks	Chassis Length	in. (mm) 92.0 (2336)	
	28	Wheelbase		in. (mm) 63.2 (1606)	
	29	Right Angle Stack		in. (mm) 141.8 (3602)	
	30	Equal Aisle	90° Intersecting Aisle	in. (mm) 78.2 (1986)	
	31	Outside Turning Radius		in. (mm) 76 (1931)	
	<b>PERFORMANCE</b>	32	Truck Weight	Without Battery (NL)	lb. (kg) 6360 (2885)
		33	Axle Loading - Drive	Static with Max. Wt. Battery (NL/RL)	lb. (kg) 5266 / 12649 (2389 / 5737)
		34	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)
<b>ELECTRIC</b>	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)	
<b>OTHER</b>	38	Gradability	5 Minute Rating (NL/RL)	% 39 / 26 42 / 28	
			60 Minute Rating (NL/RL)	% 13 / 9 14 / 10	
	39	Drawbar Pull	5 Minute Rating (NL/RL)	lbf 4283 / 4057 4626 / 4462	
			60 Minute Rating (NL/RL)	lbf 1298 / 1229 1402 / 1357	
	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) 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)	
		Opt 2 Stg Full Free Lift Mast with/without LBR	in. (mm) 37 / 64 (962 / 1628)	
14	Lift Height - Top of Fork	Std 2 Stg Limited Free Lift Mast	in. (mm) 133 (3392)	
15	Mast - Extended Height	Std Mast with/without LBR	in. (mm) 182 / 156 (4622 / 3956)	
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) 1.6 x 3.9 x 42 (40 x 100 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) 16.5 (419)	
26	Battery Compartment	Height   without/with Batt. Rollers	in. (mm) 31.2 / 31.2 (792 / 792)	
		Width	in. (mm) 40.7 (1034)	
		Nominal	SIZE	28" 34"
		Length	Actual	in. (mm) 28.2 (717) 33.9 (861)
27	Length to Face of Forks	Chassis Length	in. (mm) 92.0 (2336) 97.6 (2480)	
28	Wheelbase		in. (mm) 63.2 (1606) 68.9 (1750)	
29	Right Angle Stack		in. (mm) 141.8 (3602) 147.3 (3742)	
30	Equal Aisle	90° Intersecting Aisle	in. (mm) 78.2 (1986) 80.7 (2049)	
31	Outside Turning Radius		in. (mm) 76 (1931) 81.6 (2073)	
32	Truck Weight	Without Battery (NL)	lb. (kg) 6360 (2885) 6560 (2976)	
33	Axle Loading - Drive	Static with Max. Wt. Battery (NL/RL)	lb. (kg) 5266 / 13470 (2389 / 6110) 5718 / 13659 (2594 / 6196)	
34	Axle Loading - Steer	Static with Max. Wt. Battery (NL/RL)	lb. (kg) 5236 / 2032 (2375 / 922) 5762 / 2821 (2614 / 1280)	
			Standard Performance	PowerPlus Performance
35	Travel Speed	(NL/RL)	mph (km/h) 11.2 / 11.2 (18 / 18) 13 / 13 (21 / 21)	
36	Lift Speed	Std 2 Stg LFL Mast (NL/RL)	ft/min (m/sec) 124 / 75 (0.63 / 0.38) 142 / 96 (0.72 / 0.49)	
		Opt 2 Stg FFL Mast (NL/RL)	ft/min (m/sec) 124 / 77 (0.63 / 0.39) 130 / 93 (0.66 / 0.47)	
		Opt 3 Stg FFL Mast (NL/RL)	ft/min (m/sec) 124 / 77 (0.63 / 0.39) 134 / 94 (0.68 / 0.48)	
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 / 106 (0.46 / 0.54)	
		Opt 3 Stg FFL Mast (NL/RL)	ft/min (m/sec) 93 / 108 (0.47 / 0.55)	
38	Gradability	5 Minute Rating (NL/RL)	% 35 / 24 38 / 26	
		60 Minute Rating (NL/RL)	% 12 / 8 13 / 9	
39	Drawbar Pull	5 Minute Rating (NL/RL)	lbf 4248 / 4148 4588 / 4480	
		60 Minute Rating (NL/RL)	lbf 1287 / 1257 1390 / 1357	
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.

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# J60XN SPECIFICATIONS

<b>GENERAL</b>	1	Manufacturer		Hyster Company		
	2	Model Designation		J060XN		
	3	Power/Voltage		Electric / 80 Volts		
	4	Operation		Sit		
<b>TIRES</b>	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		
	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)	
	<b>DIMENSIONS</b>	14	Lift Height - Top of Fork	Opt 2 Stg Full Free Lift Mast with/without LBR	in. (mm)	37 / 60 (957 / 1540)
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)	
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)	
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)	2 x 4.9 x 42 (50 x 125 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 / 134)	
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)	
29		Battery Compartment	Width	in. (mm)	40.7 (1034)	
30		Battery Compartment	Nominal	SIZE	34"	
31		Battery Compartment	Length   Actual	in. (mm)	33.9 (861)	
32		Length to Face of Forks	Chassis Length	in. (mm)	98.1 (2492)	
33		Wheelbase		in. (mm)	68.9 (1750)	
34		Right Angle Stack		in. (mm)	147.3 (3742)	
35		Equal Aisle	90° Intersecting Aisle	in. (mm)	80.7 (2049)	
36		Outside Turning Radius		in. (mm)	81.6 (2073)	
<b>WT.</b>		37	Truck Weight	Without Battery (NL)	lb. (kg)	6730 (3053)
		38	Axle Loading - Drive	Static with Max. Wt. Battery (NL/RL)	lb. (kg)	5930 / 15499 (2690 / 7030)
		39	Axle Loading - Steer	Static with Max. Wt. Battery (NL/RL)	lb. (kg)	5714 / 2145 (2592 / 973)
	40	Axle Loading - Steer	Static with Max. Wt. Battery (NL/RL)	lb. (kg)	5714 / 2145 (2592 / 973)	
<b>PERFORMANCE</b>	41	Travel Speed	(NL/RL)	mph (km/h)	Standard Performance: 11.2 / 10.6 (18 / 17)   PowerPlus Performance: 13 / 12.1 (21 / 19.5)	
	42	Lift Speed	Std 2 Stg LFL Mast (NL/RL)	ft/min (m/sec)	116 / 65 (0.59 / 0.33)   124 / 83 (0.63 / 0.42)	
	43	Lift Speed	Opt 2 Stg FFL Mast (NL/RL)	ft/min (m/sec)	108 / 65 (0.55 / 0.33)   116 / 81 (0.59 / 0.41)	
	44	Lift Speed	Opt 3 Stg FFL Mast (NL/RL)	ft/min (m/sec)	112 / 65 (0.57 / 0.33)   118 / 81 (0.60 / 0.41)	
	45	Lower Speed	Std 2 Stg LFL Mast (NL/RL)	ft/min (m/sec)	91 / 110 (0.46 / 0.56)	
	46	Lower Speed	Opt 2 Stg FFL Mast (NL/RL)	ft/min (m/sec)	73 / 102 (0.37 / 0.52)	
	47	Lower Speed	Opt 3 Stg FFL Mast (NL/RL)	ft/min (m/sec)	79 / 104 (0.4 / 0.53)	
	48	Gradability	5 Minute Rating (NL/RL)	%	34 / 22   37 / 24	
	49	Gradability	60 Minute Rating (NL/RL)	%	11 / 7   12 / 8	
	50	Drawbar Pull	5 Minute Rating (NL/RL)	lbf	4146 / 4037   4477 / 4360	
<b>ELECTRIC</b>	51	Drawbar Pull	60 Minute Rating (NL/RL)	lbf	1256 / 1223   1357 / 1321	
	52	Brake	Method of Control (Service/Parking)		Hydraulic / Mechanical	
	53	Brake	Method of Operation (Service/Parking)		Foot / Automatic	
	54	Battery	Type		Lead Acid	
	55	Traction Motors (Dual)	60 Minute Rating (Each)	hp (kW)	13.4 (10)   13.4 (10)	
	56	Pump Motor	15 Minute Rating	hp (kW)	21.5 (16)   32.2 (24)	
	57	Traction Motors	Type/Control Method		Dual AC / Transistor	
	58	Pump Motor	Type/Control Method		AC / Transistor	
	59	Number of Speeds	Traction/Pump		Infinitely Variable / Infinitely Variable	
	60	Step Height		in. (mm)	18.7 (475)	
<b>OTHER</b>	61	Floor Height	Without/With Battery Rollers	in. (mm)	27.8 / 31.9 (706 / 810)	
	62	Attachment Relief Pressure		psi (bar)	2250 (155)	
	63	Auxiliary Oil Flow	3rd and 4th Function	gal/min (l/min)	11 (40)	
64	Sound Level	Measured per ANSI B56.11.5	dB (A)	63   65		

# J70XN SPECIFICATIONS

GENERAL			Hyster Company	
1	Manufacturer		Hyster Company	
2	Model Designation		J70XN	
3	Power/Voltage		Electric / 80 Volts	
4	Operation		Sit	
5	Rated Capacity	lb. (kg)	7000 (3175)	
6	Load Center	in. (mm)	24 (610)	
7	Tire Type (Std/Opt)		Pneumatic / Pneumatic Shaped Solid	
8	Tire Size (Drive/Steer)		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) 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)	
		Opt 2 Stg Full Free Lift Mast with/without LBR	in. (mm) 37 / 60 (957 / 1540)	
14	Lift Height - Top of Fork	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 / 5.2 (137 / 132)	
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)	
		Nominal SIZE	34"	
		Length   Actual	in. (mm) 33.9 (861)	
27	Length to Face of Forks	Chassis Length	in. (mm) 101.2 (2570)	
28	Wheelbase		in. (mm) 68.9 (1750)	
29	Right Angle Stack		in. (mm) 149.9 (3808)	
30	Equal Aisle	90° Intersecting Aisle	in. (mm) 81.8 (2078)	
31	Outside Turning Radius		in. (mm) 84.2 (2139)	
32	Truck Weight	Without Battery (NL)	lb. (kg) 7420 (3366)	
33	Axle Loading - Drive	Static with Max. Wt. Battery (NL/RL)	lb. (kg) 5814 / 16979 (2637 / 7702)	
34	Axle Loading - Steer	Static with Max. Wt. Battery (NL/RL)	lb. (kg) 6525 / 2360 (2960 / 1070)	
			<b>Standard Performance</b>	<b>PowerPlus Performance</b>
35	Travel Speed	(NL/RL)	mph (km/h) 11.2 / 9.9 (18 / 16)	
36	Lift Speed	Std 2 Stg LFL Mast (NL/RL)	ft/min (m/sec) 116 / 61 (0.59 / 0.31)	
		Opt 2 Stg FFL Mast (NL/RL)	ft/min (m/sec) 108 / 61 (0.55 / 0.31)	
		Opt 3 Stg FFL Mast (NL/RL)	ft/min (m/sec) 112 / 61 (0.57 / 0.31)	
37	Lower Speed	Std 2 Stg LFL Mast (NL/RL)	ft/min (m/sec) 91 / 114 (0.46 / 0.58)	
		Opt 2 Stg FFL Mast (NL/RL)	ft/min (m/sec) 73 / 106 (0.37 / 0.54)	
		Opt 3 Stg FFL Mast (NL/RL)	ft/min (m/sec) 79 / 110 (0.40 / 0.56)	
38	Gradability	5 Minute Rating (NL/RL)	% 32 / 20	
		60 Minute Rating (NL/RL)	% 10 / 6	
39	Drawbar Pull	5 Minute Rating (NL/RL)	lbf 4243 / 4064	
		60 Minute Rating (NL/RL)	lbf 1286 / 1232	
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)	
43	Pump Motor	15 Minute Rating	hp (kW) 21.5 (16)	
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	

**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.

# 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	
						in. (mm)	in. (mm)
<b>2-STAGE LIMITED FREE-LIFT (LFL) VISTA® MAST</b>							
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
<b>2-STAGE FULL FREE-LIFT (FFL) VISTA® MAST</b>							
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
<b>3-STAGE FULL FREE-LIFT (FFL) VISTA® MAST</b>							
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	
						in. (mm)	in. (mm)
<b>2-STAGE LIMITED FREE-LIFT (LFL) VISTA® MAST</b>							
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
<b>2-STAGE FULL FREE-LIFT (FFL) VISTA® MAST</b>							
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
<b>3-STAGE FULL FREE-LIFT (FFL) VISTA® MAST</b>							
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)
<b>J45-50XN 28" Compartment</b>	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)
<b>J60-70XN 34" Compartment</b>	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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