

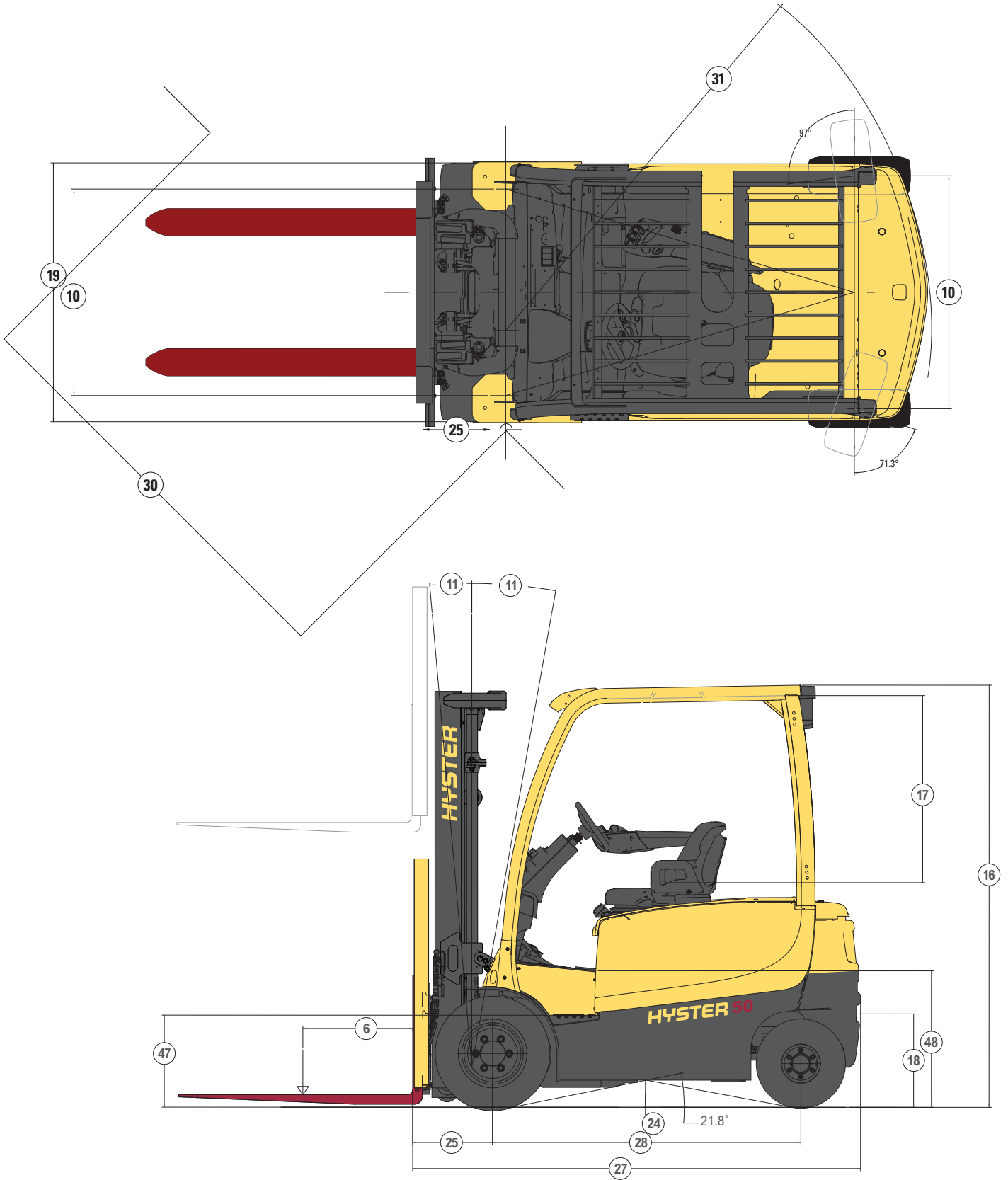
J45-70XN



4-WHEEL ELECTRIC FORKLIFT TRUCK PNEUMATIC TIRE PRODUCT TECHNICAL GUIDE



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			
	5	Rated capacity	lb (kg)	4500 (2041)			
	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			
	9	Wheels – number x=driven (drive/steer)		front/rear 2x/2			
DIMENSIONS	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)	37/64 (962/1628)	
			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 bottom of battery (vertical/roller/forks)			in (mm)	5.7 (145)/10.2 (259/9.9 (252)	
	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)	15.9 (404)	
			Nominal		SIZE	28" 34"	
	27	Length to face of forks	Chassis length		in (mm)	91.4 (2321)	
	28	Wheelbase			in (mm)	63.2 (1606)	
	29	Right angle stack			in (mm)	141.3 (3588)	
	30	Equal aisle	90° Intersecting aisle		in (mm)	78 (1982)	
31	Outside turning radius			in (mm)	76 (1931)		
WT.	32	Truck weight	Without battery (NL)		lb (kg)	6740 (3057)	
	33	Axle loading - drive	Static with max. wt. battery (NL/RL)		lb (kg)	5756/13087 (2611/5936)	
	34	Axle loading - steer	Static with max. wt. battery (NL/RL)		lb (kg)	5121/2286 (2323/1037)	
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)	124/79 (0.63/0.4) 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 (0.66/0.5)	
			Opt 3-stg FFL mast (NL/RL)		ft/min (m/sec)	124/79 (0.63/0.4) 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 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			
ELECTRIC	41	Battery	Type		Lead acid Thin Plate Pure Lead* Lithium-ion*		
	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	

* Optional with Hyster Power Collect™

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.

J50XN SPECIFICATIONS

GENERAL	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)		
TIRES	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		
DIMENSIONS	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 bottom of battery (vertical/roller/forks)		in (mm)	5.7 (145)/10.2 (259/9.9 (252)	
	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)	15.9 (404)	
			Nominal	SIZE	28" 34"	
	27	Length to face of forks	Chassis length	in (mm)	91.4 (2321) 97 (2465)	
	28	Wheelbase		in (mm)	63.2 (1606) 68.9 (1750)	
	29	Right angle stack		in (mm)	141.3 (3588) 146.7 (3727)	
	30	Equal aisle	90° intersecting aisle	in (mm)	78 (1982) 80.5 (2045)	
	31	Outside turning radius		in (mm)	76 (1931) 81.6 (2073)	
	WT.	32	Truck weight	Without battery (NL)	lb (kg)	6673 (3027) 7092 (3217)
33		Axle loading - drive	Static with max. wt. battery (NL/RL)	lb (kg)	5681/13834 (2577/6275) 6563/14061 (2977/6378)	
34		Axle loading - steer	Static with max. wt. battery (NL/RL)	lb (kg)	5130/1980 (2327/898) 5844/2954 (2651/1340)	
PERFORMANCE					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		
ELECTRIC	41	Battery	Type		Lead acid Thin Plate Pure Lead* Lithium-ion*	
	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	

* Optional with Hyster Power Collect™

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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J60XN SPECIFICATIONS

GENERAL	1	Manufacturer		Hyster company
	2	Model designation		J060XN
	3	Power/voltage		Electric/80 volts
	4	Operation		Sit
	5	Rated capacity	lb (kg)	6000 (2722)
	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
	9	Wheels – number x=driven (drive/steer)	front/rear	2x/2
DIMENSIONS	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 bottom of battery (vertical/roller/forks)		in (mm) 5.7 (145)/10.2 (259/9.9 (252)
	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) 16.4 (416)
			Nominal	SIZE 34
	27	Length to face of forks	Chassis length	in (mm) 97 (2465)
	28	Wheelbase		in (mm) 68.9 (1750)
	29	Right angle stack		in (mm) 146.7 (3727)
	30	Equal aisle	90° intersecting aisle	in (mm) 80.5 (2045)
	31	Outside turning radius		in (mm) 81.6 (2073)
	WT.	32	Truck weight	Without battery (NL)
33		Axle loading - drive	Static with max. wt. battery (NL/RL)	lb (kg) 6228/14919 (2825/6767)
34		Axle loading - steer	Static with max. wt. battery (NL/RL)	lb (kg) 5838/2648 (2648/1201)
PERFORMANCE				STANDARD PERFORMANCE POWERPLUS PERFORMANCE
	35	Travel speed	(NL/RL)	mph (km/h) 11.2/10.6 (18/17) 13/12.1 (21/19.5)
	36	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)
			Opt 2-stg FFL mast (NL/RL)	ft/min (m/sec) 108/65 (0.55/0.33) 116/81 (0.59/0.41)
			Opt 3-stg FFL mast (NL/RL)	ft/min (m/sec) 112/65 (0.57/0.33) 118/81 (0.6/0.41)
	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 37/24
			60 minute rating (NL/RL)	% 11/7 12/8
39	Drawbar pull	5 minute rating (NL/RL)	LBF 4146/4037 4477/4360	
		60 minute rating (NL/RL)	LBF 1256/1223 1357/1321	
40	Brake	Method of control (service/parking)	Hydraulic/mechanical	
		Method of operation (service/parking)	Foot/automatic	
ELECTRIC	41	Battery	Type	Lead acid Thin Plate Pure Lead* Lithium-ion*
	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

* Optional with Hyster Power Collect™

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J70XN SPECIFICATIONS

GENERAL	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)		
TIRES	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		
DIMENSIONS	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)	
	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	Overall width	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 bottom of battery (vertical/roller/forks)			in (mm)	5.7 (145)/10.2 (259/9.9 (252)	
	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)	
	27	Load distance	Center of wheel to face of forks		in (mm)	16.4 (416)	
	28		Nominal		SIZE	34	
	29	Length to face of forks	Chassis length		in (mm)	100.5 (2555)	
	30	Wheelbase			in (mm)	68.9 (1750)	
	31	Right angle stack			in (mm)	149.3 (3793)	
	32	Equal aisle	90° intersecting aisle		in (mm)	81.7 (2074)	
	33	Outside turning radius			in (mm)	84.2 (2139)	
WT.	32	Truck weight	Without battery (NL)		lb (kg)	8001 (3629)	
	33	Axle loading - drive	Static with max. wt. battery (NL/RL)		lb (kg)	6177/17275 (2802/7836)	
	34	Axle loading - steer	Static with max. wt. battery (NL/RL)		lb (kg)	6744/2648 (3059/1201)	
PERFORMANCE					STANDARD PERFORMANCE	POWERPLUS PERFORMANCE	
	35	Travel speed	(NL/RL)		mph (km/h)	11.2/9.9 (18/16)	13/11.2 (21/18)
	36	Lift speed	Std 2-stg LFL mast (NL/RL)		ft/min (m/sec)	116/61 (0.59/0.31)	124/73 (0.63/0.37)
			Opt 2-stg FFL mast (NL/RL)		ft/min (m/sec)	108/61 (0.55/0.31)	116/73 (0.59/0.37)
			Opt 3-stg FFL mast (NL/RL)		ft/min (m/sec)	112/61 (0.57/0.31)	118/73 (0.6/0.37)
	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 (0.4/0.56)	
	38	Gradability	5 minute rating (NL/RL)		%	32/20	35/22
			60 minute rating (NL/RL)		%	10/6	11/7
39	Drawbar pull	5 minute rating (NL/RL)		LBF	4243/4064	4583/4389	
		60 minute rating (NL/RL)		LBF	1286/1232	1389/1330	
40	Brake	Method of control (service/parking)		Hydraulic/mechanical			
		Method of operation (service/parking)		Foot/automatic			
ELECTRIC	41	Battery	Type		Lead acid Thin Plate Pure Lead* Lithium-ion*		
	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	

* Optional with Hyster Power Collect™

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.

MAST DIMENSIONS

J45-50XN MAST DIMENSIONS

Maximum fork height (TOF) in (mm)	Overall lowered height in (mm)	Overall extended height w/load backrest in (mm)	Overall extended height w/o load backrest in (mm)	Free-lift (TOF) w/load backrest in (mm)	Free-lift (TOF) w/o load backrest in (mm)	Truck weight	
						J45XN	J50XN
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) in (mm)	Overall lowered height in (mm)	Overall extended height w/load backrest in (mm)	Overall extended height w/o load backrest in (mm)	Free-lift (TOF) w/load backrest in (mm)	Free-lift (TOF) w/o load backrest in (mm)	Truck weight	
						J60XN	J70XN
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								
		W in (mm)	L in (mm)	H in (mm)	Electrical				Size			Weight	
					Volts	No. of cells	Plates per cell	Max Am Hr (kWh)	W max in (mm)	L max in (mm)	H max in (mm)	Min lb (kg)	Max lb (kg)
J45-50XN 28" compartment	Vertical extract	40.7 (1034)	28.2 (717)	31.2 (792)	80	40	9	1000 (77.6)	40.5 (1028)	28.0 (711)	30.9 (784)	3700 (1886)	4100 (1878)
	Horizontal removal - roller	40.7 (1034)	28.2 (717)	31.1 (789)	80	40	9	1000 (77.6)	40.5 (1028)	28.0 (711)	30.8 (782)	3700 (1886)	4100 (1878)
	Horizontal removal - forklift	40.4 (1028)	28.0 (712)	31.3 (796)	80	40	9	1000 (77.6)	40.4 (1026)	27.8 (706)	31.0 (788)	3700 (1886)	4100 (1878)
J50-70XN 34" compartment	Vertical Extract	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)
	Horizontal removal - roller	40.7 (1034)	33.9 (861)	31.1 (789)	80	40	11	1000 (77.6)	40.5 (1028)	33.7 (855)	30.8 (782)	4500 (2021)	4900 (2233)
	Horizontal removal - forklift	40.4 (1028)	33.7 (856)	31.3 (796)	80	40	11	1000 (77.6)	40.4 (1026)	33.5 (850)	31.0 (788)	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 (BCSSBC)

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 (BARFBC)

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

J45-70XN FEATURES AND OPTIONS

PERFORMANCE	STD	OPT
80-volt electrical system	x	
Standard performance	x	
AC traction and pump motors (completely brushless)	x	
Transistor drive and pump control	x	
Advanced VSM (Vehicle System Manager)	x	
Progressive thermal management system	x	
PowerPlus performance		x
Dual drive motors	x	
DRIVE	STD	OPT
Pneumatic drive tire and steer tire	x	
Solid pneumatic tires		x
Wide tread tires		x
LIFT	STD	OPT
2-stage limited free lift (LFL) VISTA mast with maximum fork height of 133" (3392mm) (J45-50XN) or 126" (3209mm) (J60-70XN)	x	
5° forward and 5° back mast tilt	x	
Available with 2-stage limited free lift (LFL) and 2- or 3-stage full free lift (FFL) VISTA™ masts		x
Mast tilt option – 10° forward/5° back		x
Mast tilt option – 5° forward/6° back		x
Return to set tilt		x
Accumulator		x
Load weight indicator		x
Tilt cylinder boots		x
HANDLING	STD	OPT
42" (1067mm) wide class II (J45-50XN) or class III (J60-70XN) hook-type carriage with 48" (1219mm) high load backrest extension	x	
42" (1067mm) long forks	x	
Carriage with integral sideshift		x
Carriage with integral sideshifting fork positioner		x
ERGONOMICS	STD	OPT
12" steering wheel with integral spinner knob	x	
Non-suspension vinyl seat	x	
Black, non-cinch seat belt with Emergency Locking Retractor	x	
MONOTROL® foot direction control	x	
Power assist braking	x	
Multifunction display <ul style="list-style-type: none"> Battery state of charge with low battery lift interrupt Hour meter Performance mode indicator Fault indicator (audible & visible) 4 operator selectable, programmable performance modes 		x
Easy ingress/egress with low step height and contoured handhold	x	
Operator convenience station - storage areas, beverage & clipboard holders	x	
Adjustable tilt steering column with low profile cowl for excellent visibility	x	
Cushioned floor mat	x	
Seatside power disconnect button	x	
TouchPoint hydraulic mini-levers with fully adjustable armrest		x
Non-suspension seat (cloth)		x
Full suspension seat (vinyl or cloth)		x
Swivel seat, full suspension (vinyl or cloth)		x
Seat side directional control		x
Telescopic steering column with tilt memory		x
Rear drive handle with integrated horn button		x
Mirrors – rear view or panoramic		x
Synchronous steering		x
Red (hi-vis) ELR (Emergency Locking Retractor) non-cinch seat belt		x
Red (hi-vis) ELR (Emergency Locking Retractor) non-cinch seat belt with start interlock		x

ERGONOMICS (continued)	STD	OPT
Low mount display		x
Oil-cooled wet disc brakes	x	
Automatic park brake	x	
ADS (Auto Deceleration System) with regenerative braking	x	
Anti cinch operator restraint system	x	
Operator Presence System (OPS)	x	
Full steel cab: includes front panel with wiper/washer, rear panel with wiper/washer, steel doors, top panel with headliner and dome light		x
Front and top cab panels: includes front panel with wiper/washer and top panel		x
Battery side covers	x	
OPERATION	STD	OPT
Battery compartment size: 28" (J45-50XN); 34" (J60-70XN)	x	
IP54 sealed drive axle/motors with belly pan and side shields		x
Lift out battery extraction	x	
Standard construction	x	
UI classification type "E"	x	
Key switch start	x	
86.3" grid style overhead guard		
Fully integrated CANbus communication	x	
On-demand power steering	x	
Hyster Stability System (HSS)®	x	
Static strap	x	
Tow pin	x	
Side extraction battery removal with rollers		x
Rapid/fast charge		x
UI classification type "EE"		x
3 function hydraulic control valve with seat side mechanical levers	x	
On-board software <ul style="list-style-type: none"> Program, test & diagnose Password protected 	x	
"Zero turn" steer axle	x	
34" battery compartment (J50XNL)		x
4 function hydraulic control valve		x
Keyless start (with auxiliary key switch)		x
LED and halogen work light packages		x
LED dome/reading light		x
LED brake/tail/back-up light packages		x
Audible reverse activated alarm		x
Visible amber strobe light - continuous activated, overhead guard mounted		x
Impact monitor		x
Operator password		x
Operator daily checklist		x
System monitor – hydraulic low fluid level indicator and hydraulic filter service indicator		x
Hydraulic attachment extension tubes with or without quick disconnect fittings		x
Fire extinguisher – 2.5 lb dry chemical		x
Hyster Reaction™		x
Integrated rapid charge		x
Front mud guards		x
Electronic horn with integral relay (long life/no adjustments)	x	
Outdoor protection/wash-down package		x
SUPPLEMENTAL	STD	OPT
12 month/2,000 hour full truck warranty	x	
36 month/6,000 hour powertrain warranty	x	
Operating manual	x	
ENERGY SYSTEM	STD	OPT
Lead acid	x	
Hyster Power Collect™		x



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