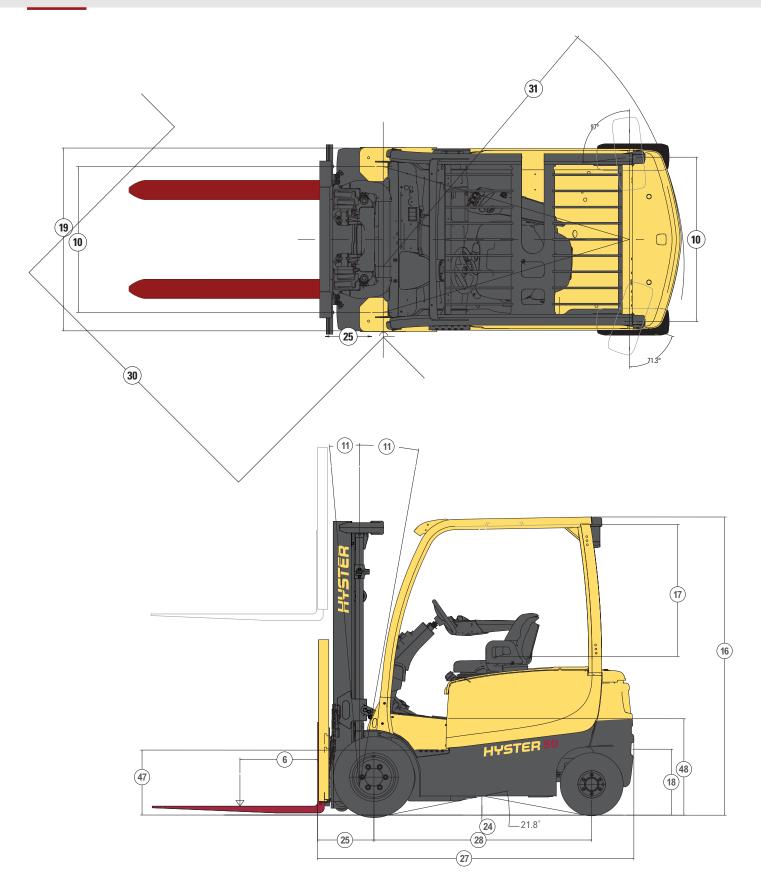


# 4-WHEEL ELECTRIC FORKLIFT TRUCK PNEUMATIC TIRE PRODUCT TECHNICAL GUIDE





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

1	Manufacturer				Hyster Co		
귛 2	Model designation				J45X		
3 4	Power/voltage				Electric/8		
	Operation				Sit		
5	Rated capacity			lb (kg)	4500 (2	•	
6	Load center			in (mm)	24 (610)		
7	Tire type (std/opt)				Pneumatic/pneumatic shaped solid		
TIRES 8 8	Tire size (drive/steer)			in	23 x 10 - 12/		
_	Wheels – number x=driven (drive/s	, ,	1 00 1 1 1 1 1 1 1 1	front/rear	2x/2		
10	Tread	Ctr. of tires	Std dr/wide dr/steer	in (mm)	36.9/41.5/39.1 (9		
11	Mast tilt	Std opt opt		degrees	5F/5B 10F/5		
12	Mast - lowered height	Std mast		in (mm)	87 (21		
13	Free lift - top of fork	Std 2-stg limited free lift mast		in (mm)	5 (14	,	
44	1:01 : 14 4 66 1	Opt 2-stg full free lift mast wit		in (mm)	37/64 (96)		
14	Lift height - top of fork	Std 2-stg limited free lift mast		in (mm)	133 (33	•	
15	Mast - extended height	Std mast with/without LBR		in (mm)	182/156 (46		
16	Overhead guard height	Without/with battery rollers	Otal (access facce)	in (mm)	86.3/90.4 (2)	·	
17	Sip to bottom of OHG	Seat depressed	Std/susp/swivel	in (mm)	38.8/39.4/38.9 (9		
18	Tow pin height	Vertical center of pin	Ctd/wide two	in (mm)	10.3 (2	•	
<u>دا</u> اع	Overall width	Pneumatic tires PSS tires	Std/wide tread	in (mm)	46.9/51.5 (1) 46.2/50.7 (1)		
င္တ 📗	Fada		Std/wide tread	in (mm)	(	,	
20 21	Forks	Thickness x width x length		in (mm)	1.6 x 3.9 x 42 (40		
<b>旨</b>   21	Standard carriage width  Floor to bottom of battery (vertical)	/rollor/forko		in (mm)	42 (10 5 7 (145)(10 2 (	•	
23	Ground clearance	Lowest point (NL/RL)		in (mm)	5.7 (145)/10.2 (3.9/3.3 (9.3.2)		
24	Ground clearance	Center of truck (NL/RL)		in (mm)	5.4/5.3 (1	,	
25	Load distance	Center of wheel to face of fork	<b>'</b> 6	, ,	15.9 (4		
23	Load distance	Center of wheel to lace of for	Nominal	in (mm) SIZE	28"	34"	
27	Length to face of forks	Chassis length	Nominal	in (mm)	91.4 (2		
28	Wheelbase	Oliassis leligili		in (mm)	63.2 (1	,	
29	Right angle stack			in (mm)	141.3 (3		
30	Equal aisle	90° Intersecting aisle		in (mm)	78 (19	,	
31	Outside turning radius	Jo morscotting disio		in (mm)	76 (19		
32	Truck weight	Without battery (NL)		lb (kg)	6740 (3057)		
¥ 33	Axle loading - drive	Static with max. wt. battery (N	II /RI )	lb (kg)	5756/13087 (2	•	
34	Axle loading - steer	Static with max. wt. battery (N		lb (kg)	5121/2286 (2	,	
1	Tame to be a second	(	,	iii (iig)	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)	124/79 (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 37	Lower speed	Std 2-stg LFL mast (NL/RL)		ft/min (m/sec)	100/112 (0.	51/0.57)	
<b>₹</b>		Opt 2-stg FFL mast (NL/RL)		ft/min (m/sec)	91/102 (0.4		
0		Opt 3-stg FFL mast (NL/RL)		ft/min (m/sec)	93/106 (0.4	,	
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/pa	rking)		Hydraulic/m	echanical	
		Method of operation (service/	parking)		Foot/auto	omatic	
41	Battery	Туре			Lead acid   Thin Plate Pur	e Lead*   Lithium-ion*	
<b>ა</b> 42	Traction motors (dual)	60 minute rating (each)		hp (kW)	13.4 (10)	13.4 (10)	
43 44	Pump motor	15 minute rating		hp (kW)	21.5 (16)	32.2 (24)	
일 44	Traction motors	Type/control method			Dual AC/tr	ansistor	
		Type/control method			AC/trans	sistor	
급 <u>45</u>	Pump motor	**			Infinitely variable/ii	ofinitely variable	
45 46	Number of speeds	Traction/pump	Traction/pump		iiiiiiiitoiy variabio/ii	minitory variable	
45	· ·	Traction/pump		in (mm)	18.7 (4		
45 46 47	Number of speeds	Traction/pump  Without/with battery rollers		in (mm) in (mm)		175)	
45 46 47	Number of speeds Step height			` '	18.7 (4	706/810)	
45 46 47 48	Number of speeds Step height Floor height			in (mm)	18.7 (4 27.8/31.9 (1	775) 706/810) 155)	
45 46 47 48 49	Number of speeds Step height Floor height Attachment relief pressure	Without/with battery rollers		in (mm) psi (bar)	18.7 ( <i>c</i> 27.8/31.9 (; 2250 (;	775) 706/810) 155)	

<sup>\*</sup> Optional with Hyster Power Cellect™

**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.

# **J50XN SPECIFICATIONS**

	Manufacturer				Lhuston C	`anan anı (	
. 2						Company DXN	
A 3	•					/80 Volts	
GENERAI 4	-					it	
뜅	· ·			lb (kg)		(2268)	
6	1 1			in (mm)	24 (610)		
7				111 (111111)	Pneumatic/pneumatic shaped solid		
	71 ( 1 /			in	23 x 10 - 12/18 x 7 - 8		
TIRES 8		toor)		front/rear		(/2	
10		Ctr. of tires	Std dr/wide dr/steer				
11		Std opt opt	Std di/wide di/steel	in (mm) degrees		(938/1054/992) F/5B 5F/6B	
12		Std opt opt				2192)	
13	·	Std 2-stg limited free lift mast		in (mm)		140)	
	Tree int - top or lork	Opt 2-stg full free lift mast wit		in (mm)	,	62/1628)	
14	Lift height - top of fork	Std 2-stg limited free lift mast		in (mm)		3392)	
15	0 1	Std mast with/without LBR		in (mm)		4622/3956)	
16	·	Without/with battery rollers		in (mm)		2193/2297)	
17		Seat depressed	Std/susp/swivel	in (mm) in (mm)		(986/1001/989)	
18		Vertical center of pin	Otu/susp/swivei	in (mm)		(262)	
, 19	0	Pneumatic tires	Std/wide tread	in (mm)		1192/1308)	
SNC	Storan widai	PSS tires	Std/wide tread Std/wide tread	in (mm)	,	1173/1289)	
DIMENSIONS 20 21	Forks	Thickness x width x length	Ota/ Wide fredu	in (mm)	,	10 x 100 x 1067)	
21		THIORIESS X WIGHT X ICHGIT		in (mm)		1067)	
<b>吉</b>   22	•	/roller/forks)		in (mm)	· ·	(259/9.9 (252)	
23	, ,	Lowest point (NL/RL)		in (mm)		(98/83)	
24		Center of truck (NL/RL)		in (mm)		137/134)	
25		Center of wheel to face of fork	re	in (mm)		(404)	
<u>  -                                 </u>	Load distance	Ochici of which to face of form	Nominal	SIZE	28"	34"	
27	Length to face of forks	Chassis length	Hommu	in (mm)	91.4 (2321)	97 (2465)	
28	•	- Chaosic longar		in (mm)	63.2 (1606)	68.9 (1750)	
29				in (mm)	141.3 (3588)	146.7 (3727)	
30	• •	90° intersecting aisle		in (mm)	78 (1982)	80.5 (2045)	
31	'	Too microsoming alone		in (mm)	76 (1931)	81.6 (2073)	
32	•	Without battery (NL)		()		()	
	ITUCK WEIGHT	Without battery (NL)		lb (ka)	6673 (3027)	7092 (3217)	
	•		IL/RL)	lb (kg)	6673 (3027) 5681/13834 (2577/6275)	7092 (3217) 6563/14061 (2977/6378)	
¥ 33 34	Axle loading - drive	Static with max. wt. battery (N Static with max. wt. battery (N		lb (kg)	6673 (3027) 5681/13834 (2577/6275) 5130/1980 (2327/898)	7092 (3217) 6563/14061 (2977/6378) 5844/2954 (2651/1340)	
₹ 33	Axle loading - drive	Static with max. wt. battery (N		, -,	5681/13834 (2577/6275)	6563/14061 (2977/6378)	
₹ 33	Axle loading - drive Axle loading - steer	Static with max. wt. battery (N		lb (kg)	5681/13834 (2577/6275) 5130/1980 (2327/898)	6563/14061 (2977/6378) 5844/2954 (2651/1340)	
¥ 33 34	Axle loading - drive Axle loading - steer Travel speed	Static with max. wt. battery (N Static with max. wt. battery (N		lb (kg) lb (kg)	5681/13834 (2577/6275) 5130/1980 (2327/898) STANDARD PERFORMANCE	6563/14061 (2977/6378) 5844/2954 (2651/1340) POWERPLUS PERFORMANCE	
33 34 35	Axle loading - drive Axle loading - steer Travel speed	Static with max. wt. battery (N Static with max. wt. battery (N (NL/RL)		Ib (kg) Ib (kg) mph (km/h)	5681/13834 (2577/6275) 5130/1980 (2327/898) STANDARD PERFORMANCE 11.2/11.2 (18/18)	6563/14061 (2977/6378) 5844/2954 (2651/1340) POWERPLUS PERFORMANCE 13/13 (21/21)	
33 34 35 36	Axle loading - drive Axle loading - steer Travel speed	Static with max. wt. battery (N Static with max. wt. battery (N (NL/RL) Std 2-stg LFL mast (NL/RL)		Ib (kg) Ib (kg) mph (km/h) ft/min (m/sec)	5681/13834 (2577/6275) 5130/1980 (2327/898) STANDARD PERFORMANCE 11.2/11.2 (18/18) 124/75 (0.63/0.38)	6563/14061 (2977/6378) 5844/2954 (2651/1340) POWERPLUS PERFORMANCE 13/13 (21/21) 142/96 (0.72/0.49)	
33 34 35 36	Axle loading - drive Axle loading - steer  Travel speed Lift speed	Static with max. wt. battery (N Static with max. wt. battery (N (NL/RL) Std 2-stg LFL mast (NL/RL) Opt 2-stg FFL mast (NL/RL)		Ib (kg) Ib (kg)  mph (km/h) ft/min (m/sec) ft/min (m/sec)	5681/13834 (2577/6275) 5130/1980 (2327/898) STANDARD PERFORMANCE 11.2/11.2 (18/18) 124/75 (0.63/0.38) 124/77 (0.63/0.39) 124/77 (0.63/0.39)	6563/14061 (2977/6378) 5844/2954 (2651/1340) POWERPLUS PERFORMANCE 13/13 (21/21) 142/96 (0.72/0.49) 130/93 (0.66/0.47)	
33 34 35 36	Axle loading - drive Axle loading - steer  Travel speed Lift speed	Static with max. wt. battery (N Static with max. wt. battery (N (NL/RL) Std 2-stg LFL mast (NL/RL) Opt 2-stg FFL mast (NL/RL) Opt 3-stg FFL mast (NL/RL)		Ib (kg) Ib (kg)  mph (km/h) ft/min (m/sec) ft/min (m/sec) ft/min (m/sec)	5681/13834 (2577/6275) 5130/1980 (2327/898) STANDARD PERFORMANCE 11.2/11.2 (18/18) 124/75 (0.63/0.38) 124/77 (0.63/0.39) 124/77 (0.63/0.39) 100/112 (	6563/14061 (2977/6378) 5844/2954 (2651/1340) POWERPLUS PERFORMANCE 13/13 (21/21) 142/96 (0.72/0.49) 130/93 (0.66/0.47) 134/94 (0.68/0.48)	
333 344 355 365 375 375 375 375 375 375 375 375 375 37	Axle loading - drive Axle loading - steer  Travel speed Lift speed	Static with max. wt. battery (N Static with max. wt. battery (N (NL/RL) Std 2-stg LFL mast (NL/RL) Opt 2-stg FFL mast (NL/RL) Opt 3-stg FFL mast (NL/RL) Std 2-stg LFL mast (NL/RL)		mph (km/h) ft/min (m/sec) ft/min (m/sec) ft/min (m/sec) ft/min (m/sec)	5681/13834 (2577/6275) 5130/1980 (2327/898) STANDARD PERFORMANCE 11.2/11.2 (18/18) 124/75 (0.63/0.38) 124/77 (0.63/0.39) 124/77 (0.63/0.39) 100/112 ( 91/106 (0	6563/14061 (2977/6378) 5844/2954 (2651/1340) POWERPLUS PERFORMANCE 13/13 (21/21) 142/96 (0.72/0.49) 130/93 (0.66/0.47) 134/94 (0.68/0.48) 0.51/0.57)	
333 344 355 365 375 375 375 375 375 375 375 375 375 37	Axle loading - drive  Axle loading - steer  Travel speed  Lift speed  Lower speed	Static with max. wt. battery (N Static with max. wt. battery (N (NL/RL) Std 2-stg LFL mast (NL/RL) Opt 2-stg FFL mast (NL/RL) Opt 3-stg FFL mast (NL/RL) Std 2-stg LFL mast (NL/RL) Opt 2-stg FFL mast (NL/RL) Opt 3-stg FFL mast (NL/RL) 5 minute rating (NL/RL)		mph (km/h) ft/min (m/sec) ft/min (m/sec) ft/min (m/sec) ft/min (m/sec) ft/min (m/sec) ft/min (m/sec)	5681/13834 (2577/6275) 5130/1980 (2327/898) STANDARD PERFORMANCE 11.2/11.2 (18/18) 124/75 (0.63/0.38) 124/77 (0.63/0.39) 124/77 (0.63/0.39) 100/112 ( 91/106 (0	6563/14061 (2977/6378) 5844/2954 (2651/1340) POWERPLUS PERFORMANCE 13/13 (21/21) 142/96 (0.72/0.49) 130/93 (0.66/0.47) 134/94 (0.68/0.48) 0.51/0.57) 0.46/0.54)	
333 344 335 345 345 345 345 345 345 345	Axle loading - drive  Axle loading - steer  Travel speed  Lift speed  Lower speed	Static with max. wt. battery (N Static with max. wt. battery (N (NL/RL) Std 2-stg LFL mast (NL/RL) Opt 2-stg FFL mast (NL/RL) Opt 3-stg FFL mast (NL/RL) Std 2-stg LFL mast (NL/RL) Opt 2-stg FFL mast (NL/RL) Opt 3-stg FFL mast (NL/RL)		mph (km/h) ft/min (m/sec)	5681/13834 (2577/6275) 5130/1980 (2327/898) STANDARD PERFORMANCE 11.2/11.2 (18/18) 124/75 (0.63/0.38) 124/77 (0.63/0.39) 124/77 (0.63/0.39) 100/112 ( 91/106 (0	6563/14061 (2977/6378) 5844/2954 (2651/1340) POWERPLUS PERFORMANCE 13/13 (21/21) 142/96 (0.72/0.49) 130/93 (0.66/0.47) 134/94 (0.68/0.48) 0.51/0.57) 0.46/0.54)	
333 344 355 365 375 375 375 375 375 375 375 375 375 37	Axle loading - drive Axle loading - steer  Travel speed Lift speed Lower speed Gradability	Static with max. wt. battery (N Static with max. wt. battery (N (NL/RL) Std 2-stg LFL mast (NL/RL) Opt 2-stg FFL mast (NL/RL) Opt 3-stg FFL mast (NL/RL) Std 2-stg LFL mast (NL/RL) Opt 2-stg FFL mast (NL/RL) Opt 3-stg FFL mast (NL/RL) 5 minute rating (NL/RL)		mph (km/h) ft/min (m/sec)	5681/13834 (2577/6275) 5130/1980 (2327/898) STANDARD PERFORMANCE 11.2/11.2 (18/18) 124/75 (0.63/0.38) 124/77 (0.63/0.39) 124/77 (0.63/0.39) 100/112 ( 91/106 (0 93/108 (0	6563/14061 (2977/6378) 5844/2954 (2651/1340)  POWERPLUS PERFORMANCE 13/13 (21/21) 142/96 (0.72/0.49) 130/93 (0.66/0.47) 134/94 (0.68/0.48) 0.51/0.57) 0.46/0.54) 0.47/0.55) 38/26	
33 344 38 38 38 38 38 38 38 38 38 38 38 38 38	Axle loading - drive Axle loading - steer  Travel speed Lift speed Lower speed Gradability	Static with max. wt. battery (N Static with max. wt. battery (N (NL/RL) Std 2-stg LFL mast (NL/RL) Opt 2-stg FFL mast (NL/RL) Opt 3-stg FFL mast (NL/RL) Std 2-stg LFL mast (NL/RL) Opt 2-stg FFL mast (NL/RL) Opt 3-stg FFL mast (NL/RL) 5 minute rating (NL/RL)		mph (km/h) ft/min (m/sec) %	5681/13834 (2577/6275) 5130/1980 (2327/898) STANDARD PERFORMANCE 11.2/11.2 (18/18) 124/75 (0.63/0.38) 124/77 (0.63/0.39) 124/77 (0.63/0.39) 100/112 ( 91/106 (0 93/108 (0 35/24 12/8	6563/14061 (2977/6378) 5844/2954 (2651/1340)  POWERPLUS PERFORMANCE 13/13 (21/21) 142/96 (0.72/0.49) 130/93 (0.66/0.47) 134/94 (0.68/0.48) 0.51/0.57) 0.46/0.54) 0.47/0.55) 38/26 13/9	
33 344 38 38 38 38 38 38 38 38 38 38 38 38 38	Axle loading - drive Axle loading - steer  Travel speed Lift speed Lower speed Gradability Drawbar pull	Static with max. wt. battery (N Static with max. wt. battery (N (NL/RL) Std 2-stg LFL mast (NL/RL) Opt 2-stg FFL mast (NL/RL) Opt 3-stg FFL mast (NL/RL) Std 2-stg LFL mast (NL/RL) Opt 2-stg FFL mast (NL/RL) Opt 3-stg FFL mast (NL/RL) 5 minute rating (NL/RL) 5 minute rating (NL/RL)	IL/RL)	mph (km/h) ft/min (m/sec) % LBF	5681/13834 (2577/6275) 5130/1980 (2327/898) STANDARD PERFORMANCE 11.2/11.2 (18/18) 124/75 (0.63/0.38) 124/77 (0.63/0.39) 124/77 (0.63/0.39) 100/112 ( 91/106 (0 93/108 (0 35/24 12/8 4248/4148 1287/1257	6563/14061 (2977/6378) 5844/2954 (2651/1340)  POWERPLUS PERFORMANCE 13/13 (21/21) 142/96 (0.72/0.49) 130/93 (0.66/0.47) 134/94 (0.68/0.48) 0.51/0.57) 0.46/0.54) 0.47/0.55) 38/26 13/9 4588/4480	
34 34 35 36 36 36 36 36 36 36 36 36 36 36 36 36	Axle loading - drive Axle loading - steer  Travel speed Lift speed Lower speed Gradability Drawbar pull	Static with max. wt. battery (N Static with max. wt. battery (N (NL/RL) Std 2-stg LFL mast (NL/RL) Opt 2-stg FFL mast (NL/RL) Opt 3-stg FFL mast (NL/RL) Std 2-stg LFL mast (NL/RL) Opt 2-stg FFL mast (NL/RL) Opt 3-stg FFL mast (NL/RL) 5 minute rating (NL/RL) 5 minute rating (NL/RL) 60 minute rating (NL/RL)	rking)	mph (km/h) ft/min (m/sec) % LBF	5681/13834 (2577/6275) 5130/1980 (2327/898)  STANDARD PERFORMANCE  11.2/11.2 (18/18) 124/75 (0.63/0.38) 124/77 (0.63/0.39) 124/77 (0.63/0.39) 100/112 ( 91/106 (0 93/108 (0 35/24 12/8 4248/4148 1287/1257 Hydraulic/	6563/14061 (2977/6378) 5844/2954 (2651/1340)  POWERPLUS PERFORMANCE 13/13 (21/21) 142/96 (0.72/0.49) 130/93 (0.66/0.47) 134/94 (0.68/0.48) 0.51/0.57) 0.46/0.54) 0.47/0.55) 38/26 13/9 4588/4480 1390/1357	
34 34 35 36 36 36 36 36 36 36 36 36 36 36 36 36	Axle loading - drive Axle loading - steer  Travel speed Lift speed Lower speed Gradability Drawbar pull Brake	Static with max. wt. battery (N Static with max. wt. battery (N (NL/RL)  (NL/RL)  Std 2-stg LFL mast (NL/RL)  Opt 2-stg FFL mast (NL/RL)  Std 2-stg LFL mast (NL/RL)  Opt 3-stg FFL mast (NL/RL)  Opt 2-stg FFL mast (NL/RL)  Opt 3-stg FFL mast (NL/RL)  5 minute rating (NL/RL)  5 minute rating (NL/RL)  5 minute rating (NL/RL)  60 minute rating (NL/RL)  Method of control (service/pal	rking)	mph (km/h) ft/min (m/sec) % LBF	5681/13834 (2577/6275) 5130/1980 (2327/898) STANDARD PERFORMANCE 11.2/11.2 (18/18) 124/75 (0.63/0.38) 124/77 (0.63/0.39) 124/77 (0.63/0.39) 100/112 ( 91/106 (0 93/108 (0 35/24 12/8 4248/4148 1287/1257 Hydraulic/	6563/14061 (2977/6378) 5844/2954 (2651/1340)  POWERPLUS PERFORMANCE 13/13 (21/21) 142/96 (0.72/0.49) 130/93 (0.66/0.47) 134/94 (0.68/0.48) 0.51/0.57) 0.46/0.54) 0.47/0.55) 38/26 13/9 4588/4480 1390/1357  mechanical	
335 36 36 37 38 38 40 40	Axle loading - drive Axle loading - steer  Travel speed Lift speed Lower speed  Gradability Drawbar pull Brake Battery Traction motors (dual)	Static with max. wt. battery (N Static with max. wt. battery (N Static with max. wt. battery (N NL/RL)  Std 2-stg LFL mast (NL/RL)  Opt 2-stg FFL mast (NL/RL)  Std 2-stg LFL mast (NL/RL)  Opt 2-stg LFL mast (NL/RL)  Opt 3-stg FFL mast (NL/RL)  5 minute rating (NL/RL)  5 minute rating (NL/RL)  5 minute rating (NL/RL)  60 minute rating (NL/RL)  Method of control (service/pat Method of operation (service/pat NL/RL)	rking)	Ib (kg) Ib (kg) Ib (kg)  mph (km/h) ft/min (m/sec) ft/min (m/sec) ft/min (m/sec) ft/min (m/sec) ft/min (m/sec) ft/min (m/sec)  % LBF LBF	5681/13834 (2577/6275) 5130/1980 (2327/898) STANDARD PERFORMANCE 11.2/11.2 (18/18) 124/75 (0.63/0.38) 124/77 (0.63/0.39) 124/77 (0.63/0.39) 100/112 ( 91/106 (0 93/108 (0 35/24 12/8 4248/4148 1287/1257 Hydraulic/	6563/14061 (2977/6378) 5844/2954 (2651/1340)  POWERPLUS PERFORMANCE 13/13 (21/21) 142/96 (0.72/0.49) 130/93 (0.66/0.47) 134/94 (0.68/0.48) 0.51/0.57) 0.46/0.54) 0.47/0.55) 38/26 13/9 4588/4480 1390/1357  mechanical tomatic	
335 36 36 37 38 38 40 40	Axle loading - drive Axle loading - steer  Travel speed Lift speed  Lower speed  Gradability  Drawbar pull  Brake  Battery Traction motors (dual) Pump motor	Static with max. wt. battery (N Static with max. wt. battery (N Static with max. wt. battery (N (NL/RL)  Std 2-stg LFL mast (NL/RL)  Opt 2-stg FFL mast (NL/RL)  Std 2-stg LFL mast (NL/RL)  Std 2-stg LFL mast (NL/RL)  Opt 3-stg FFL mast (NL/RL)  Opt 3-stg FFL mast (NL/RL)  5 minute rating (NL/RL)  60 minute rating (NL/RL)  5 minute rating (NL/RL)  Method of control (service/path)  Method of operation (service/path)  Type  60 minute rating (each)  15 minute rating	rking)	Ib (kg) Ib (kg) Ib (kg)  mph (km/h) ft/min (m/sec)  % LBF LBF	5681/13834 (2577/6275) 5130/1980 (2327/898)  STANDARD PERFORMANCE  11.2/11.2 (18/18) 124/75 (0.63/0.38) 124/77 (0.63/0.39) 100/112 ( 91/106 (0 93/108 (0 35/24 12/8 4248/4148 1287/1257 Hydraulic/r Foot/au Lead acid   Thin Plate Po	6563/14061 (2977/6378) 5844/2954 (2651/1340) POWERPLUS PERFORMANCE 13/13 (21/21) 142/96 (0.72/0.49) 130/93 (0.66/0.47) 134/94 (0.68/0.48) 0.51/0.57) 0.46/0.54) 0.47/0.55) 38/26 13/9 4588/4480 1390/1357 mechanical tomatic ure Lead*   Lithium-ion* 13.4 (10) 32.2 (24)	
335 36 37 37 37 37 37 37 37 37 37 37 37 37 37	Axle loading - drive Axle loading - steer  Travel speed Lift speed  Lower speed  Gradability  Drawbar pull  Brake  Battery Traction motors (dual) Pump motor Traction motors	Static with max. wt. battery (N Static with max. wt. battery (N Static with max. wt. battery (N (NL/RL)  Std 2-stg LFL mast (NL/RL)  Opt 2-stg FFL mast (NL/RL)  Std 2-stg LFL mast (NL/RL)  Std 2-stg LFL mast (NL/RL)  Opt 3-stg FFL mast (NL/RL)  Opt 3-stg FFL mast (NL/RL)  5 minute rating (NL/RL)  60 minute rating (NL/RL)  60 minute rating (NL/RL)  Method of control (service/path Method of operation (service/pat	rking)	Ib (kg) Ib (kg) Ib (kg)  mph (km/h) ft/min (m/sec) ft/min (m/sec) ft/min (m/sec) ft/min (m/sec) ft/min (m/sec) ft/min (m/sec)  % LBF LBF	5681/13834 (2577/6275) 5130/1980 (2327/898)  STANDARD PERFORMANCE  11.2/11.2 (18/18) 124/75 (0.63/0.38) 124/77 (0.63/0.39) 100/112 ( 91/106 (0 93/108 (0 35/24 12/8 4248/4148 1287/1257 Hydraulic/r Foot/au Lead acid   Thin Plate Po	6563/14061 (2977/6378) 5844/2954 (2651/1340) POWERPLUS PERFORMANCE 13/13 (21/21) 142/96 (0.72/0.49) 130/93 (0.66/0.47) 134/94 (0.68/0.48) 0.51/0.57) 0.46/0.54) 0.47/0.55) 38/26 13/9 4588/4480 1390/1357 mechanical tomatic ure Lead*   Lithium-ion* 13.4 (10)	
335 36 37 37 37 37 37 37 37 37 37 37 37 37 37	Axle loading - drive Axle loading - steer  Travel speed Lift speed  Lower speed  Gradability  Drawbar pull  Brake  Battery Traction motors (dual) Pump motor Traction motors	Static with max. wt. battery (N Static with max. wt. battery (N Static with max. wt. battery (N (NL/RL)  Std 2-stg LFL mast (NL/RL)  Opt 2-stg FFL mast (NL/RL)  Std 2-stg LFL mast (NL/RL)  Std 2-stg LFL mast (NL/RL)  Opt 3-stg FFL mast (NL/RL)  Opt 3-stg FFL mast (NL/RL)  5 minute rating (NL/RL)  60 minute rating (NL/RL)  5 minute rating (NL/RL)  Method of control (service/path)  Method of operation (service/path)  Type  60 minute rating (each)  15 minute rating	rking)	Ib (kg) Ib (kg) Ib (kg)  mph (km/h) ft/min (m/sec) ft/min (m/sec) ft/min (m/sec) ft/min (m/sec) ft/min (m/sec) ft/min (m/sec)  % LBF LBF	5681/13834 (2577/6275) 5130/1980 (2327/898)  STANDARD PERFORMANCE  11.2/11.2 (18/18) 124/75 (0.63/0.38) 124/77 (0.63/0.39) 100/112 ( 91/106 (0 93/108 (0 35/24 12/8 4248/4148 1287/1257 Hydraulic/r Foot/au Lead acid   Thin Plate Po	6563/14061 (2977/6378) 5844/2954 (2651/1340) POWERPLUS PERFORMANCE 13/13 (21/21) 142/96 (0.72/0.49) 130/93 (0.66/0.47) 134/94 (0.68/0.48) 0.51/0.57) 0.46/0.54) 0.47/0.55) 38/26 13/9 4588/4480 1390/1357 mechanical tomatic ure Lead*   Lithium-ion* 13.4 (10) 32.2 (24)	
335 36 37 37 37 37 37 37 37 37 37 37 37 37 37	Axle loading - drive  Axle loading - steer  Travel speed  Lift speed  Lower speed  Gradability  Drawbar pull  Brake  Battery Traction motors (dual) Pump motor Traction motors Pump motor	Static with max. wt. battery (N Static with max. wt. battery (N Static with max. wt. battery (N (NL/RL)  Std 2-stg LFL mast (NL/RL)  Opt 2-stg FFL mast (NL/RL)  Std 2-stg LFL mast (NL/RL)  Std 2-stg LFL mast (NL/RL)  Opt 3-stg FFL mast (NL/RL)  Opt 3-stg FFL mast (NL/RL)  5 minute rating (NL/RL)  60 minute rating (NL/RL)  60 minute rating (NL/RL)  Method of control (service/path Method of operation (service/pat	rking)	Ib (kg) Ib (kg) Ib (kg)  mph (km/h) ft/min (m/sec) ft/min (m/sec) ft/min (m/sec) ft/min (m/sec) ft/min (m/sec) ft/min (m/sec)  % LBF LBF	5681/13834 (2577/6275) 5130/1980 (2327/898)  STANDARD PERFORMANCE  11.2/11.2 (18/18) 124/75 (0.63/0.38) 124/77 (0.63/0.39) 100/112 ( 91/106 (0 93/108 (0 35/24 12/8 4248/4148 1287/1257 Hydraulic/r Foot/au Lead acid   Thin Plate Pool 13.4 (10) 21.5 (16) Dual AC/r	6563/14061 (2977/6378) 5844/2954 (2651/1340) POWERPLUS PERFORMANCE 13/13 (21/21) 142/96 (0.72/0.49) 130/93 (0.66/0.47) 134/94 (0.68/0.48) 0.51/0.57) 0.46/0.54) 0.47/0.55) 38/26 13/9 4588/4480 1390/1357 mechanical tomatic ure Lead*   Lithium-ion* 13.4 (10) 32.2 (24) transistor	
335 36 37 37 37 37 37 37 37 37 37 37 37 37 37	Axle loading - drive  Axle loading - steer  Travel speed  Lift speed  Lower speed  Gradability  Drawbar pull  Brake  Battery Traction motors (dual) Pump motor Traction motors Pump motor Number of speeds	Static with max. wt. battery (N Static with max. wt. battery (N Static with max. wt. battery (N (NL/RL)  Std 2-stg LFL mast (NL/RL)  Opt 2-stg FFL mast (NL/RL)  Std 2-stg LFL mast (NL/RL)  Std 2-stg LFL mast (NL/RL)  Opt 3-stg FFL mast (NL/RL)  Opt 3-stg FFL mast (NL/RL)  5 minute rating (NL/RL)  60 minute rating (NL/RL)  5 minute rating (NL/RL)  Method of control (service/path)  Method of operation (service/path)  Type  60 minute rating (each)  15 minute rating  Type/control method  Type/control method	rking)	Ib (kg) Ib (kg) Ib (kg)  mph (km/h) ft/min (m/sec) ft/min (m/sec) ft/min (m/sec) ft/min (m/sec) ft/min (m/sec) ft/min (m/sec)  % LBF LBF	5681/13834 (2577/6275) 5130/1980 (2327/898)  STANDARD PERFORMANCE  11.2/11.2 (18/18) 124/75 (0.63/0.38) 124/77 (0.63/0.39) 100/112 ( 91/106 (0 93/108 (0 35/24 12/8 4248/4148 1287/1257 Hydraulic/r Foot/au Lead acid   Thin Plate Pool 13.4 (10) 21.5 (16) Dual AC/r AC/tra	6563/14061 (2977/6378) 5844/2954 (2651/1340) POWERPLUS PERFORMANCE 13/13 (21/21) 142/96 (0.72/0.49) 130/93 (0.66/0.47) 134/94 (0.68/0.48) 0.51/0.57) 0.46/0.54) 0.47/0.55) 38/26 13/9 4588/4480 1390/1357 mechanical tomatic ure Lead*   Lithium-ion* 13.4 (10) 32.2 (24) transistor	
333434446 HECLKIC 4154 ALT 4155 ALT 415	Axle loading - drive  Axle loading - steer  Travel speed  Lift speed  Lower speed  Gradability  Drawbar pull  Brake  Battery Traction motors (dual) Pump motor Traction motors Pump motor Number of speeds  Step height	Static with max. wt. battery (N Static with max. wt. battery (N Static with max. wt. battery (N (NL/RL)  Std 2-stg LFL mast (NL/RL)  Opt 2-stg FFL mast (NL/RL)  Std 2-stg LFL mast (NL/RL)  Std 2-stg LFL mast (NL/RL)  Opt 3-stg FFL mast (NL/RL)  Opt 3-stg FFL mast (NL/RL)  5 minute rating (NL/RL)  60 minute rating (NL/RL)  5 minute rating (NL/RL)  Method of control (service/path)  Method of operation (service/path)  Type  60 minute rating (each)  15 minute rating  Type/control method  Type/control method	rking)	Ib (kg) Ib (kg) Ib (kg)  mph (km/h) ft/min (m/sec) ft/min (m/sec) ft/min (m/sec) ft/min (m/sec) ft/min (m/sec) ft/min (m/sec)  % LBF LBF  hp (kW) hp (kW)	5681/13834 (2577/6275) 5130/1980 (2327/898)  STANDARD PERFORMANCE  11.2/11.2 (18/18) 124/75 (0.63/0.38) 124/77 (0.63/0.39) 100/112 ( 91/106 (0 93/108 (0 35/24 12/8 4248/4148 1287/1257 Hydraulic/r Foot/au Lead acid   Thin Plate Pool 13.4 (10) 21.5 (16) Dual AC/r AC/tra Infinitely variable 18.7	6563/14061 (2977/6378) 5844/2954 (2651/1340) POWERPLUS PERFORMANCE 13/13 (21/21) 142/96 (0.72/0.49) 130/93 (0.66/0.47) 134/94 (0.68/0.48) 0.51/0.57) 0.46/0.54) 0.47/0.55) 38/26 13/9 4588/4480 1390/1357 mechanical tomatic ure Lead*   Lithium-ion* 13.4 (10) 32.2 (24) transistor nsistor /infinitely variable	
335 36 36 37 37 37 37 37 37 37 37 37 37 37 37 37	Axle loading - drive  Axle loading - steer  Travel speed  Lift speed  Lower speed  Cradability  Drawbar pull  Brake  Battery Traction motors (dual) Pump motor Traction motors Pump motor Number of speeds Step height Floor height Attachment relief pressure	Static with max. wt. battery (N Static with max. wt. battery (N Static with max. wt. battery (N (NL/RL)  Std 2-stg LFL mast (NL/RL)  Opt 2-stg FFL mast (NL/RL)  Std 2-stg LFL mast (NL/RL)  Std 2-stg LFL mast (NL/RL)  Opt 3-stg FFL mast (NL/RL)  Opt 3-stg FFL mast (NL/RL)  5 minute rating (NL/RL)  60 minute rating (NL/RL)  5 minute rating (NL/RL)  Method of control (service/particle)  Method of operation (service/particle)  Type  60 minute rating (pach)  15 minute rating  Type/control method  Type/control method  Traction/pump  Without/with battery rollers	rking)	Ib (kg) Ib (kg) Ib (kg)  mph (km/h) ft/min (m/sec) ft/min (m/sec) ft/min (m/sec) ft/min (m/sec) ft/min (m/sec) ft/min (m/sec)  % LBF LBF  hp (kW) hp (kW)	5681/13834 (2577/6275) 5130/1980 (2327/898)  STANDARD PERFORMANCE  11.2/11.2 (18/18) 124/75 (0.63/0.38) 124/77 (0.63/0.39) 100/112 ( 91/106 (0 93/108 (0 35/24 12/8 4248/4148 1287/1257 Hydraulic/r Foot/au Lead acid   Thin Plate Pool 13.4 (10) 21.5 (16) Dual AC/AC/tra Infinitely variable 18.7 27.8/31.9	6563/14061 (2977/6378) 5844/2954 (2651/1340) POWERPLUS PERFORMANCE 13/13 (21/21) 142/96 (0.72/0.49) 130/93 (0.66/0.47) 134/94 (0.68/0.48) 0.51/0.57) 0.46/0.54) 0.47/0.55) 38/26 13/9 4588/4480 1390/1357 mechanical tomatic ure Lead*   Lithium-ion* 13.4 (10) 32.2 (24) transistor nsistor /infinitely variable (475)	
335 36 36 37 37 37 37 37 37 37 37 37 37 37 37 37	Axle loading - drive  Axle loading - steer  Travel speed  Lift speed  Lower speed  Cradability  Drawbar pull  Brake  Battery Traction motors (dual) Pump motor Traction motors Pump motor Number of speeds Step height Floor height Attachment relief pressure Auxiliary oil flow	Static with max. wt. battery (N Static with max. wt. battery (N Static with max. wt. battery (N (NL/RL)  Std 2-stg LFL mast (NL/RL)  Opt 2-stg FFL mast (NL/RL)  Std 2-stg LFL mast (NL/RL)  Std 2-stg LFL mast (NL/RL)  Opt 3-stg FFL mast (NL/RL)  5 minute rating (NL/RL)  60 minute rating (NL/RL)  5 minute rating (NL/RL)  60 minute rating (NL/RL)  Method of control (service/particle)  Method of operation (service/particle)  Type  60 minute rating  Type/control method  Type/control method  Traction/pump  Without/with battery rollers	rking)	Ib (kg) Ib (kg) Ib (kg)  mph (km/h) ft/min (m/sec)  % LBF LBF  hp (kW) hp (kW)  in (mm) in (mm) psi (bar) gal/min (l/min)	5681/13834 (2577/6275) 5130/1980 (2327/898)  STANDARD PERFORMANCE  11.2/11.2 (18/18) 124/75 (0.63/0.38) 124/77 (0.63/0.39) 100/112 ( 91/106 (0 93/108 (0 35/24 12/8 4248/4148 1287/1257 Hydraulic/r Foot/au Lead acid   Thin Plate Policy 13.4 (10) 21.5 (16) Dual AC/AC/tra Infinitely variable 18.7 27.8/31.9 2250	6563/14061 (2977/6378) 5844/2954 (2651/1340) POWERPLUS PERFORMANCE 13/13 (21/21) 142/96 (0.72/0.49) 130/93 (0.66/0.47) 134/94 (0.68/0.48) 0.51/0.57) 0.46/0.54) 0.47/0.55) 38/26 13/9 4588/4480 1390/1357 mechanical tomatic ure Lead*   Lithium-ion* 13.4 (10) 32.2 (24) transistor nsistor /infinitely variable (475) (706/810) (155) (40)	
335 36 36 37 37 37 37 37 37 37 37 37 37 37 37 37	Axle loading - drive  Axle loading - steer  Travel speed  Lift speed  Lower speed  Cradability  Drawbar pull  Brake  Battery Traction motors (dual) Pump motor Traction motors Pump motor Number of speeds Step height Floor height Attachment relief pressure Auxiliary oil flow	Static with max. wt. battery (N Static with max. wt. battery (N Static with max. wt. battery (N (NL/RL)  Std 2-stg LFL mast (NL/RL)  Opt 2-stg FFL mast (NL/RL)  Std 2-stg LFL mast (NL/RL)  Std 2-stg LFL mast (NL/RL)  Opt 3-stg FFL mast (NL/RL)  Opt 3-stg FFL mast (NL/RL)  5 minute rating (NL/RL)  60 minute rating (NL/RL)  5 minute rating (NL/RL)  Method of control (service/particle)  Method of operation (service/particle)  Type  60 minute rating (pach)  15 minute rating  Type/control method  Type/control method  Traction/pump  Without/with battery rollers	rking)	Ib (kg) Ib (kg) Ib (kg)  mph (km/h) ft/min (m/sec) ft/min (m/sec) ft/min (m/sec) ft/min (m/sec) ft/min (m/sec) ft/min (m/sec)  % LBF LBF  hp (kW) hp (kW)  in (mm) in (mm) psi (bar)	5681/13834 (2577/6275) 5130/1980 (2327/898)  STANDARD PERFORMANCE  11.2/11.2 (18/18) 124/75 (0.63/0.38) 124/77 (0.63/0.39) 100/112 ( 91/106 (0 93/108 (0 35/24 12/8 4248/4148 1287/1257 Hydraulic/r Foot/au Lead acid   Thin Plate Pool 13.4 (10) 21.5 (16) Dual AC/AC/tra Infinitely variable 18.7 27.8/31.9 2250	6563/14061 (2977/6378) 5844/2954 (2651/1340) POWERPLUS PERFORMANCE 13/13 (21/21) 142/96 (0.72/0.49) 130/93 (0.66/0.47) 134/94 (0.68/0.48) 0.51/0.57) 0.46/0.54) 0.47/0.55) 38/26 13/9 4588/4480 1390/1357 mechanical tomatic ure Lead*   Lithium-ion* 13.4 (10) 32.2 (24) transistor nsistor /infinitely variable (475) (706/810) (155)	

<sup>\*</sup> Optional with Hyster Power Cellect

**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.

# **J60XN SPECIFICATIONS**

	اسبا						
		Manufacturer				Hyster o	
뒴	2	Model designation				J060	
GENERAI	3	Power/voltage				Electric/S	
핊	4	Operation				Si	t
_	5	Rated capacity			lb (kg)	6000 (	2722)
	6	Load center			in (mm)	24 (6	510)
	7	Tire type (std/opt)				Pneumatic/pneum	atic shaped solid
ES	8	Tire size (drive/steer)			in	23 x 10 - 12	2/18 x 7 - 8
TIRES	9	Wheels - number x=driven (drive/s	teer)		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 (2	192)
	13	Free lift - top of fork	Std 2-stg limited free lift mas	t	in (mm)	5 (1	40)
			Opt 2-stg full free lift mast wi		in (mm)	37/60 (95	•
	14	Lift height - top of fork	Std 2-stg limited free lift mas		in (mm)	126 (3	
	15	Mast - extended height	Std mast with/without LBR		in (mm)	175/153 (4	•
	16	Overhead guard height	Without/with battery rollers		in (mm)	86.3/90.4 (2	
	17	Sip to bottom of OHG	Seat depressed	Std/susp/swivel	in (mm)	38.8/39.4/38.9 (	,
	18	Tow pin height	Vertical center of pin	Otu/SuSp/SWIVEI	, ,	10.3 (	
	19	Overall width	Pneumatic tires	Std/wide tread	in (mm) in (mm)	46.9/51.5 (1	•
SI	19	Overall width	PSS tires		` '	,	,
DIMENSIONS	20	Forks		Std/wide tread	in (mm)	46.2/50.7 (1	
E I	20	Forks	Thickness x width x length		in (mm)	2 x 4.9 x 42 (50	
	21	Standard carriage width	, II ( )		in (mm)	42 (1	
	22	Floor to bottom of battery (vertical)	· · · · · · · · · · · · · · · · · · ·		in (mm)	5.7 (145)/10.2	
	23	Ground clearance	Lowest point (NL/RL)		in (mm)	3.9/3.3	
	24	Ground clearance	Center of truck (NL/RL)		in (mm)	5.4/5.3 (1	
	25	Load distance	Center of wheel to face of for	1	in (mm)	16.4 (	,
				Nominal	SIZE	34	4
	27	Length to face of forks	Chassis length		in (mm)	97 (2	465)
	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 (2	2045)
	31	Outside turning radius			in (mm)	81.6 (2	2073)
	32	Truck weight	Without battery (NL)		lb (kg)	7143 (	3240)
WT.	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)
						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)			` ,	, ,
岁	37				tt/min (m/sec)	112/65 (0.57/0.33)	118/81 (0.6/0.41)
Ā		Lower speed	Std 2-stg LFL mast (NL/RL)		ft/min (m/sec) ft/min (m/sec)	112/65 (0.57/0.33) 91/110 (0	118/81 (0.6/0.41) .46/0.56)
		Lower speed	Std 2-stg LFL mast (NL/RL) Opt 2-stg FFL mast (NL/RL)		ft/min (m/sec)	91/110 (0	.46/0.56)
OR!		Lower speed	Opt 2-stg FFL mast (NL/RL)		ft/min (m/sec) ft/min (m/sec)	91/110 (0 73/102 (0	.46/0.56) .37/0.52)
RFORMANCE	38		Opt 2-stg FFL mast (NL/RL) Opt 3-stg FFL mast (NL/RL)		ft/min (m/sec) ft/min (m/sec) ft/min (m/sec)	91/110 (0 73/102 (0 79/104 (0	.46/0.56) . <mark>37/0.52)</mark> .4/0.53)
PERFORI	38	Lower speed  Gradability	Opt 2-stg FFL mast (NL/RL) Opt 3-stg FFL mast (NL/RL) 5 minute rating (NL/RL)		ft/min (m/sec) ft/min (m/sec) ft/min (m/sec)  ft/min (m/sec)	91/110 (0 73/102 (0 79/104 (0 34/22	.46/0.56) .37/0.52) 0.4/0.53) 37/24
		Gradability	Opt 2-stg FFL mast (NL/RL) Opt 3-stg FFL mast (NL/RL) 5 minute rating (NL/RL) 60 minute rating (NL/RL)		ft/min (m/sec) ft/min (m/sec) ft/min (m/sec) %	91/110 (0 73/102 (0 79/104 (0 34/22 11/7	.46/0.56) .37/0.52) 0.4/0.53) 37/24 12/8
	38		Opt 2-stg FFL mast (NL/RL) Opt 3-stg FFL mast (NL/RL) 5 minute rating (NL/RL) 60 minute rating (NL/RL) 5 minute rating (NL/RL)		ft/min (m/sec) ft/min (m/sec) ft/min (m/sec)  % % LBF	91/110 (0 73/102 (0 79/104 (0 34/22 11/7 4146/4037	.46/0.56) .37/0.52) 0.4/0.53) 37/24 12/8 4477/4360
	39	Gradability  Drawbar pull	Opt 2-stg FFL mast (NL/RL) Opt 3-stg FFL mast (NL/RL) 5 minute rating (NL/RL) 60 minute rating (NL/RL) 5 minute rating (NL/RL) 60 minute rating (NL/RL)	orking)	ft/min (m/sec) ft/min (m/sec) ft/min (m/sec) %	91/110 (0 73/102 (0 79/104 (0 34/22 11/7 4146/4037 1256/1223	.46/0.56) .37/0.52) 0.4/0.53) 37/24 12/8 4477/4360 1357/1321
		Gradability	Opt 2-stg FFL mast (NL/RL) Opt 3-stg FFL mast (NL/RL) 5 minute rating (NL/RL) 60 minute rating (NL/RL) 5 minute rating (NL/RL) 60 minute rating (NL/RL) Method of control (service/pa		ft/min (m/sec) ft/min (m/sec) ft/min (m/sec)  % % LBF	91/110 (0 73/102 (0 79/104 (0 34/22 11/7 4146/4037 1256/1223 Hydraulic/n	.46/0.56) .37/0.52) 0.4/0.53) 37/24 12/8 4477/4360 1357/1321 nechanical
	39 40	Gradability  Drawbar pull  Brake	Opt 2-stg FFL mast (NL/RL) Opt 3-stg FFL mast (NL/RL) 5 minute rating (NL/RL) 60 minute rating (NL/RL) 5 minute rating (NL/RL) 60 minute rating (NL/RL) Method of control (service/pa		ft/min (m/sec) ft/min (m/sec) ft/min (m/sec)  % % LBF	91/110 (0 73/102 (0 79/104 (0 34/22 11/7 4146/4037 1256/1223 Hydraulic/n Foot/aut	.46/0.56) .37/0.52) 0.4/0.53) 37/24 12/8 4477/4360 1357/1321 nechanical
PERF	39 40 41	Gradability Drawbar pull Brake Battery	Opt 2-stg FFL mast (NL/RL) Opt 3-stg FFL mast (NL/RL) 5 minute rating (NL/RL) 60 minute rating (NL/RL) 5 minute rating (NL/RL) 60 minute rating (NL/RL) Method of control (service/path) Method of operation (service Type		ft/min (m/sec) ft/min (m/sec) ft/min (m/sec)  %  %  LBF  LBF	91/110 (0 73/102 (0 79/104 (0 34/22 11/7 4146/4037 1256/1223 Hydraulic/n Foot/aut	.46/0.56) .37/0.52) 0.4/0.53) 37/24 12/8 4477/4360 1357/1321 nechanical tomatic re Lead*   Lithium-ion*
PERF	39 40 41 42	Gradability  Drawbar pull  Brake  Battery  Traction motors (dual)	Opt 2-stg FFL mast (NL/RL) Opt 3-stg FFL mast (NL/RL) 5 minute rating (NL/RL) 60 minute rating (NL/RL) 5 minute rating (NL/RL) 60 minute rating (NL/RL) Method of control (service/pi Method of operation (service Type 60 minute rating (each)		ft/min (m/sec) ft/min (m/sec) ft/min (m/sec) ft/min (m/sec) % LBF LBF LBF	91/110 (0 73/102 (0 79/104 (0 34/22 11/7 4146/4037 1256/1223 Hydraulic/n Foot/aut Lead acid   Thin Plate Pu	.46/0.56) .37/0.52) 0.4/0.53) 37/24 12/8 4477/4360 1357/1321 nechanical tomatic re Lead*   Lithium-ion* 13.4 (10)
PERF	39 40 41 42 43	Gradability  Drawbar pull  Brake  Battery  Traction motors (dual)  Pump motor	Opt 2-stg FFL mast (NL/RL) Opt 3-stg FFL mast (NL/RL) 5 minute rating (NL/RL) 60 minute rating (NL/RL) 60 minute rating (NL/RL) Method of control (service/pi Method of operation (service Type 60 minute rating (each) 15 minute rating		ft/min (m/sec) ft/min (m/sec) ft/min (m/sec)  %  %  LBF  LBF	91/110 (0 73/102 (0 79/104 (0 34/22 11/7 4146/4037 1256/1223 Hydraulic/n Foot/aut Lead acid   Thin Plate Pu 13.4 (10) 21.5 (16)	.46/0.56) .37/0.52) 0.4/0.53) 37/24 12/8 4477/4360 1357/1321 nechanical tomatic re Lead*   Lithium-ion* 13.4 (10) 32.2 (24)
	39 40 41 42 43 44	Gradability  Drawbar pull  Brake  Battery  Traction motors (dual)  Pump motor  Traction motors	Opt 2-stg FFL mast (NL/RL) Opt 3-stg FFL mast (NL/RL) 5 minute rating (NL/RL) 60 minute rating (NL/RL) 5 minute rating (NL/RL) 60 minute rating (NL/RL) Method of control (service/pr Method of operation (service Type 60 minute rating (each) 15 minute rating Type/control method		ft/min (m/sec) ft/min (m/sec) ft/min (m/sec)  %  %  LBF  LBF  LBF	91/110 (0 73/102 (0 79/104 (0 34/22 11/7 4146/4037 1256/1223 Hydraulic/n Foot/aut Lead acid   Thin Plate Pu 13.4 (10) 21.5 (16)	.46/0.56) .37/0.52) 0.4/0.53)  37/24 12/8 4477/4360 1357/1321 nechanical tomatic re Lead*   Lithium-ion* 13.4 (10) 32.2 (24) ransistor
PERF	39 40 41 42 43 44 45	Gradability  Drawbar pull  Brake  Battery  Traction motors (dual)  Pump motor  Traction motors  Pump motor	Opt 2-stg FFL mast (NL/RL) Opt 3-stg FFL mast (NL/RL) 5 minute rating (NL/RL) 60 minute rating (NL/RL) 60 minute rating (NL/RL) Method of control (service/pr Method of operation (service Type 60 minute rating (each) 15 minute rating Type/control method Type/control method		ft/min (m/sec) ft/min (m/sec) ft/min (m/sec)  %  %  LBF  LBF  LBF	91/110 (0 73/102 (0 79/104 (0 34/22 11/7 4146/4037 1256/1223 Hydraulic/n Foot/aut Lead acid   Thin Plate Pu 13.4 (10) 21.5 (16) Dual AC/t AC/trar	.46/0.56) .37/0.52) 0.4/0.53)  37/24 12/8 4477/4360 1357/1321 nechanical tomatic re Lead*   Lithium-ion* 13.4 (10) 32.2 (24) ransistor
PERF	39 40 41 42 43 44 45 46	Gradability  Drawbar pull  Brake  Battery  Traction motors (dual)  Pump motor  Traction motors  Pump motor  Number of speeds	Opt 2-stg FFL mast (NL/RL) Opt 3-stg FFL mast (NL/RL) 5 minute rating (NL/RL) 60 minute rating (NL/RL) 5 minute rating (NL/RL) 60 minute rating (NL/RL) Method of control (service/pr Method of operation (service Type 60 minute rating (each) 15 minute rating Type/control method		ft/min (m/sec) ft/min (m/sec) ft/min (m/sec) % % LBF LBF hp (kw) hp (kw)	91/110 (0 73/102 (0 79/104 (0 34/22 11/7 4146/4037 1256/1223 Hydraulic/n Foot/aut Lead acid   Thin Plate Pu 13.4 (10) 21.5 (16) Dual AC/t AC/trar Infinitely variable/	.46/0.56) .37/0.52) 0.4/0.53) 37/24 12/8 4477/4360 1357/1321 nechanical tomatic re Lead*   Lithium-ion* 13.4 (10) 32.2 (24) ransistor infinitely variable
PERF	39 40 41 42 43 44 45 46	Gradability  Drawbar pull  Brake  Battery Traction motors (dual) Pump motor Traction motors Pump motor Number of speeds Step height	Opt 2-stg FFL mast (NL/RL) Opt 3-stg FFL mast (NL/RL) 5 minute rating (NL/RL) 60 minute rating (NL/RL) 5 minute rating (NL/RL) 60 minute rating (NL/RL) Method of control (service/pr Method of operation (service Type 60 minute rating (each) 15 minute rating Type/control method Type/control method Traction/pump		ft/min (m/sec) ft/min (m/sec) ft/min (m/sec) ft/min (m/sec) % % LBF LBF LBF hp (kw) hp (kw)	91/110 (0 73/102 (0 79/104 (0 34/22 11/7 4146/4037 1256/1223 Hydraulic/n Foot/aut Lead acid   Thin Plate Pu 13.4 (10) 21.5 (16) Dual AC/t AC/trar Infinitely variable/ 18.7 (	.46/0.56) .37/0.52) 0.4/0.53)  37/24 12/8 4477/4360 1357/1321 nechanical comatic re Lead*   Lithium-ion* 13.4 (10) 32.2 (24) ransistor infinitely variable 475)
ELECTRIC PERF	39 40 41 42 43 44 45 46	Gradability  Drawbar pull  Brake  Battery Traction motors (dual) Pump motor Traction motors Pump motor Number of speeds Step height Floor height	Opt 2-stg FFL mast (NL/RL) Opt 3-stg FFL mast (NL/RL) 5 minute rating (NL/RL) 60 minute rating (NL/RL) 60 minute rating (NL/RL) Method of control (service/pr Method of operation (service Type 60 minute rating (each) 15 minute rating Type/control method Type/control method		ft/min (m/sec) ft/min (m/sec) ft/min (m/sec) % % LBF LBF hp (kw) hp (kw)	91/110 (0 73/102 (0 79/104 (0 34/22 11/7 4146/4037 1256/1223 Hydraulic/n Foot/aut Lead acid   Thin Plate Pu 13.4 (10) 21.5 (16) Dual AC/t AC/trar Infinitely variable/	.46/0.56) .37/0.52) 0.4/0.53)  37/24 12/8 4477/4360 1357/1321 nechanical comatic re Lead*   Lithium-ion* 13.4 (10) 32.2 (24) ransistor infinitely variable 475)
ELECTRIC PERF	39 40 41 42 43 44 45 46	Gradability  Drawbar pull  Brake  Battery Traction motors (dual) Pump motor Traction motors Pump motor Number of speeds Step height	Opt 2-stg FFL mast (NL/RL) Opt 3-stg FFL mast (NL/RL) 5 minute rating (NL/RL) 60 minute rating (NL/RL) 5 minute rating (NL/RL) 60 minute rating (NL/RL) Method of control (service/pr Method of operation (service Type 60 minute rating (each) 15 minute rating Type/control method Type/control method Traction/pump		ft/min (m/sec) ft/min (m/sec) ft/min (m/sec) ft/min (m/sec) % % LBF LBF LBF hp (kw) hp (kw)	91/110 (0 73/102 (0 79/104 (0 34/22 11/7 4146/4037 1256/1223 Hydraulic/n Foot/aut Lead acid   Thin Plate Pu 13.4 (10) 21.5 (16) Dual AC/t AC/trar Infinitely variable/ 18.7 (	.46/0.56) .37/0.52) 0.4/0.53)  37/24 12/8 4477/4360 1357/1321 nechanical comatic re Lead*   Lithium-ion* 13.4 (10) 32.2 (24) ransistor infinitely variable 475) (706/810)
PERF	39 40 41 42 43 44 45 46 47	Gradability  Drawbar pull  Brake  Battery Traction motors (dual) Pump motor Traction motors Pump motor Number of speeds Step height Floor height	Opt 2-stg FFL mast (NL/RL) Opt 3-stg FFL mast (NL/RL) 5 minute rating (NL/RL) 60 minute rating (NL/RL) 5 minute rating (NL/RL) 60 minute rating (NL/RL) Method of control (service/pr Method of operation (service Type 60 minute rating (each) 15 minute rating Type/control method Type/control method Traction/pump		ft/min (m/sec) ft/min (m/sec) ft/min (m/sec) ft/min (m/sec) % % LBF LBF LBF hp (kw) hp (kw) in (mm) in (mm)	91/110 (0 73/102 (0 79/104 (0 34/22 11/7 4146/4037 1256/1223 Hydraulic/n Foot/aut Lead acid   Thin Plate Pu 13.4 (10) 21.5 (16) Dual AC/t AC/trar Infinitely variable/ 18.7 ( 27.8/31.9	.46/0.56) .37/0.52) 0.4/0.53)  37/24 12/8 4477/4360 1357/1321 nechanical comatic re Lead*   Lithium-ion* 13.4 (10) 32.2 (24) ransistor infinitely variable 475) (706/810) (155)

<sup>\*</sup> Optional with Hyster Power Cellect™

**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.

### **J70XN SPECIFICATIONS**

1	Manufacturer				Hyster (	Company
_ 2	Model designation				J7(	OXN
₩ 3	Power/voltage				Electric	/80 Volts
GENERAI 4					S	it
5 5	<u>'</u>			lb (kg)		(3175)
6	-			in (mm)		610)
7					,	natic shaped solid
	71 ( 1 /			in		2/18 x 7 - 8
TIRES 8	,	steer)		front/rear		2</th
10	•	Ctr. of tires	Std dr/wide dr/steer	in (mm)	36.9/41.5/39.1	
11		Std opt opt	ota arywido aryotoor	degrees		F/5B 5F/6B
12		Std mast		in (mm)		2192)
13	Ŭ	Std 2-stg limited free lift mast		in (mm)	·	140)
	The mit top of form	Opt 2-stg full free lift mast with	h/without LBR	in (mm)		57/1540)
14	Lift height - top of fork	Std 2-stg limited free lift mast	ny menode 2511	in (mm)	,	3209)
15	U 1	Std mast with/without LBR		in (mm)		1444/3861)
16	·	Without/with battery rollers		in (mm)	,	2193/2297)
17		Seat depressed	Std/susp/swivel	in (mm)		(986/1001/989)
18	'	Vertical center of pin	ota/oaop/onitroi	in (mm)		(262)
10	, ,	Pneumatic tires	Std/wide tread	in (mm)		1192/1308)
NS :	o to an indu.	PSS tires	Std/wide tread	in (mm)	· ·	1173/1289)
DIMENSIONS 21	Forks	Thickness x width x length	1 010,0100	in (mm)	,	0 x 125 x 1067)
필 21		,g		in (mm)	,	1067)
古 <u>22</u>	•	/roller/forks)		in (mm)		(259/9.9 (252)
23	, ,	Lowest point (NL/RL)		in (mm)		(98/83)
24		Center of truck (NL/RL)		in (mm)		137/132)
25		Center of wheel to face of fork	S	in (mm)		(416)
			Nominal	SIZE		34
27	Length to face of forks	Chassis length	1.00	in (mm)		(2555)
28		J		in (mm)		(1750)
29	Right angle stack			in (mm)		(3793)
30		90° intersecting aisle		in (mm)	81.7 (	
31						
31	Outside turning radius			in (mm)		(2139)
32	•	Without battery (NL)		, ,	84.2 (	
32	Truck weight	Without battery (NL) Static with max. wt. battery (N	L/RL)	in (mm)	84.2 (	(2139) (3629)
. 32	Truck weight  Axle loading - drive	, , ,	•	in (mm) Ib (kg)	84.2 ( 8001 6177/17275	(2139) (3629)
¥ 32 33	Truck weight  Axle loading - drive	Static with max. wt. battery (N	•	in (mm) Ib (kg) Ib (kg)	84.2 ( 8001 6177/17275 6744/2648	(2139) (3629) (2802/7836)
32 33 34 35	Truck weight  Axle loading - drive  Axle loading - steer  Travel speed	Static with max. wt. battery (N Static with max. wt. battery (N (NL/RL)	•	in (mm) Ib (kg) Ib (kg) Ib (kg) mph (km/h)	84.2 ( 8001 6177/17275 6744/2648 STANDARD PERFORMANCE 11.2/9.9 (18/16)	2139) (3629) (2802/7836) (3059/1201) POWERPLUS PERFORMANCE 13/11.2 (21/18)
H 32 33 34	Truck weight  Axle loading - drive  Axle loading - steer  Travel speed	Static with max. wt. battery (N Static with max. wt. battery (N (NL/RL) Std 2-stg LFL mast (NL/RL)	•	in (mm) Ib (kg) Ib (kg) Ib (kg)	84.2 ( 8001 6177/17275 6744/2648 Standard Performance	2139) (3629) (2802/7836) (3059/1201) POWERPLUS PERFORMANCE
32 33 34 35	Truck weight  Axle loading - drive  Axle loading - steer  Travel speed	Static with max. wt. battery (N Static with max. wt. battery (N (NL/RL) Std 2-stg LFL mast (NL/RL) Opt 2-stg FFL mast (NL/RL)	•	in (mm) Ib (kg) Ib (kg) Ib (kg) mph (km/h)	84.2 ( 8001 6177/17275 6744/2648 STANDARD PERFORMANCE 11.2/9.9 (18/16) 116/61 (0.59/0.31) 108/61 (0.55/0.31)	2139) (3629) (2802/7836) (3059/1201)  POWERPLUS PERFORMANCE 13/11.2 (21/18) 124/73 (0.63/0.37) 116/73 (0.59/0.37)
32 33 34 35 36	Truck weight  Axle loading - drive  Axle loading - steer  Travel speed  Lift speed	Static with max. wt. battery (N Static with max. wt. battery (N (NL/RL) Std 2-stg LFL mast (NL/RL) Opt 2-stg FFL mast (NL/RL) Opt 3-stg FFL mast (NL/RL)	•	in (mm) lb (kg) lb (kg) lb (kg) mph (km/h) ft/min (m/sec) ft/min (m/sec)	84.2 ( 8001 6177/17275 6744/2648 STANDARD PERFORMANCE 11.2/9.9 (18/16) 116/61 (0.59/0.31) 108/61 (0.55/0.31) 112/61 (0.57/0.31)	2139) (3629) (2802/7836) (3059/1201)  POWERPLUS PERFORMANCE 13/11.2 (21/18) 124/73 (0.63/0.37) 116/73 (0.59/0.37) 118/73 (0.6/0.37)
32 33 34 35 36	Truck weight  Axle loading - drive  Axle loading - steer  Travel speed  Lift speed	Static with max. wt. battery (N Static with max. wt. battery (N (NL/RL) Std 2-stg LFL mast (NL/RL) Opt 2-stg FFL mast (NL/RL) Opt 3-stg FFL mast (NL/RL) Std 2-stg LFL mast (NL/RL)	•	in (mm) lb (kg) lb (kg) lb (kg) mph (km/h) ft/min (m/sec) ft/min (m/sec) ft/min (m/sec) ft/min (m/sec)	84.2 ( 8001 6177/17275 6744/2648 STANDARD PERFORMANCE 11.2/9.9 (18/16) 116/61 (0.59/0.31) 108/61 (0.55/0.31) 112/61 (0.57/0.31) 91/114 (0.57/0.31)	2139) (3629) (2802/7836) (3059/1201)  POWERPLUS PERFORMANCE  13/11.2 (21/18)  124/73 (0.63/0.37)  116/73 (0.59/0.37)  118/73 (0.6/0.37)  0.46/0.58)
32 33 34 35 36	Truck weight  Axle loading - drive  Axle loading - steer  Travel speed  Lift speed	Static with max. wt. battery (N Static with max. wt. battery (N (NL/RL) Std 2-stg LFL mast (NL/RL) Opt 2-stg FFL mast (NL/RL) Opt 3-stg FFL mast (NL/RL) Std 2-stg LFL mast (NL/RL) Opt 2-stg LFL mast (NL/RL)	•	in (mm) Ib (kg) Ib (kg) Ib (kg)  mph (km/h) ft/min (m/sec) ft/min (m/sec) ft/min (m/sec) ft/min (m/sec) ft/min (m/sec)	84.2 ( 8001 6177/17275 6744/2648 STANDARD PERFORMANCE 11.2/9.9 (18/16) 116/61 (0.59/0.31) 108/61 (0.55/0.31) 112/61 (0.57/0.31) 91/114 (0.57/0.31)	2139) (3629) (2802/7836) (3059/1201)  POWERPLUS PERFORMANCE  13/11.2 (21/18)  124/73 (0.63/0.37)  116/73 (0.59/0.37)  118/73 (0.6/0.37)  0.46/0.58) 0.37/0.54)
32 33 34 35 36 37 37	Truck weight  Axle loading - drive  Axle loading - steer  Travel speed  Lift speed  Lower speed	Static with max. wt. battery (N Static with max. wt. battery (N (NL/RL)  Std 2-stg LFL mast (NL/RL)  Opt 2-stg FFL mast (NL/RL)  Opt 3-stg FFL mast (NL/RL)  Std 2-stg LFL mast (NL/RL)  Opt 2-stg FFL mast (NL/RL)  Opt 3-stg FFL mast (NL/RL)	•	in (mm) Ib (kg) Ib (kg) Ib (kg)  mph (km/h) ft/min (m/sec)	84.2 ( 8001 6177/17275 6744/2648 STANDARD PERFORMANCE 11.2/9.9 (18/16) 116/61 (0.59/0.31) 108/61 (0.55/0.31) 112/61 (0.57/0.31) 91/114 (0.57/0.31) 73/106 (0.57/0.10)	2139) (3629) (2802/7836) (3059/1201)  POWERPLUS PERFORMANCE
32 33 34 35 36	Truck weight  Axle loading - drive  Axle loading - steer  Travel speed  Lift speed  Lower speed	Static with max. wt. battery (N Static with max. wt. battery (N (NL/RL)  Std 2-stg LFL mast (NL/RL)  Opt 2-stg FFL mast (NL/RL)  Opt 3-stg FFL mast (NL/RL)  Std 2-stg LFL mast (NL/RL)  Opt 2-stg FFL mast (NL/RL)  Opt 3-stg FFL mast (NL/RL)  5 minute rating (NL/RL)	•	in (mm) Ib (kg) Ib (kg) Ib (kg)  mph (km/h) ft/min (m/sec)	84.2 ( 8001 6177/17275 6744/2648 STANDARD PERFORMANCE 11.2/9.9 (18/16) 116/61 (0.59/0.31) 108/61 (0.55/0.31) 112/61 (0.57/0.31) 91/114 (0.57/0.31) 73/106 (0.57/0.31)	2139) (3629) (2802/7836) (3059/1201)  POWERPLUS PERFORMANCE  13/11.2 (21/18)  124/73 (0.63/0.37)  116/73 (0.59/0.37)  118/73 (0.6/0.37)  0.46/0.58) 0.37/0.54) 0.4/0.56)  35/22
32 33 34 35 36 37 37 37 37 38 38 38 38 38	Truck weight  Axle loading - drive  Axle loading - steer  Travel speed  Lift speed  Lower speed  Gradability	Static with max. wt. battery (N Static with max. wt. battery (N (NL/RL)  Std 2-stg LFL mast (NL/RL)  Opt 2-stg FFL mast (NL/RL)  Opt 3-stg FFL mast (NL/RL)  Std 2-stg LFL mast (NL/RL)  Opt 2-stg FFL mast (NL/RL)  Opt 3-stg FFL mast (NL/RL)  Opt 3-stg FFL mast (NL/RL)  opt 3-stg FFL mast (NL/RL)  5 minute rating (NL/RL)	•	in (mm) Ib (kg) Ib (kg) Ib (kg)  mph (km/h) ft/min (m/sec) %	84.2 ( 8001 6177/17275 6744/2648 STANDARD PERFORMANCE 11.2/9.9 (18/16) 116/61 (0.59/0.31) 108/61 (0.55/0.31) 112/61 (0.57/0.31) 91/114 (0.57/0.31) (73/106 (0.57/0.31) 32/20 10/6	2139) (3629) (2802/7836) (3059/1201)  POWERPLUS PERFORMANCE  13/11.2 (21/18)  124/73 (0.63/0.37)  116/73 (0.59/0.37)  118/73 (0.6/0.37)  0.46/0.58)  0.37/0.54)  0.4/0.56)  35/22  11/7
32 33 34 35 36 37 37	Truck weight  Axle loading - drive  Axle loading - steer  Travel speed  Lift speed  Lower speed  Gradability	Static with max. wt. battery (N Static with max. wt. battery (N (NL/RL)  Std 2-stg LFL mast (NL/RL)  Opt 2-stg FFL mast (NL/RL)  Opt 3-stg FFL mast (NL/RL)  Std 2-stg LFL mast (NL/RL)  Opt 2-stg FFL mast (NL/RL)  Opt 3-stg FFL mast (NL/RL)  5 minute rating (NL/RL)  5 minute rating (NL/RL)  5 minute rating (NL/RL)	•	in (mm) Ib (kg) Ib (kg) Ib (kg)  mph (km/h) ft/min (m/sec)  % LBF	84.2 ( 8001 6177/17275 6744/2648 STANDARD PERFORMANCE 11.2/9.9 (18/16) 116/61 (0.59/0.31) 108/61 (0.55/0.31) 112/61 (0.57/0.31) 91/114 (0.57/0.31) 32/20 10/6 4243/4064	2139) (3629) (2802/7836) (3059/1201)  POWERPLUS PERFORMANCE  13/11.2 (21/18)  124/73 (0.63/0.37)  116/73 (0.59/0.37)  118/73 (0.6/0.37)  0.46/0.58) 0.37/0.54) 0.4/0.56)  35/22  11/7  4583/4389
329 330 340 350 360 370 370 370 370 370 370 370 370 370 37	Truck weight  Axle loading - drive  Axle loading - steer  Travel speed  Lift speed  Lower speed  Gradability  Drawbar pull	Static with max. wt. battery (N Static with max. wt. battery (N NL/RL)  Std 2-stg LFL mast (NL/RL)  Opt 2-stg FFL mast (NL/RL)  Opt 3-stg FFL mast (NL/RL)  Std 2-stg LFL mast (NL/RL)  Opt 2-stg FFL mast (NL/RL)  Opt 3-stg FFL mast (NL/RL)  5 minute rating (NL/RL)  5 minute rating (NL/RL)  5 minute rating (NL/RL)  60 minute rating (NL/RL)	L/RL)	in (mm) Ib (kg) Ib (kg) Ib (kg)  mph (km/h) ft/min (m/sec) %	84.2 ( 8001 6177/17275 6744/2648 STANDARD PERFORMANCE 11.2/9.9 (18/16) 116/61 (0.59/0.31) 108/61 (0.55/0.31) 112/61 (0.57/0.31) 91/114 (0.73/106 (0.79/110 (0.32/20) 10/6 4243/4064 1286/1232	2139) (3629) (2802/7836) (3059/1201)  POWERPLUS PERFORMANCE  13/11.2 (21/18)  124/73 (0.63/0.37)  116/73 (0.59/0.37)  118/73 (0.6/0.37)  0.46/0.58) 0.37/0.54) 0.4/0.56)  35/22  11/7  4583/4389  1389/1330
32 33 34 35 36 37 37 37 37 38 38 38 38 38	Truck weight  Axle loading - drive  Axle loading - steer  Travel speed  Lift speed  Lower speed  Gradability  Drawbar pull	Static with max. wt. battery (N Static with max. wt. battery (N Static with max. wt. battery (N (NL/RL)  Std 2-stg LFL mast (NL/RL)  Opt 2-stg FFL mast (NL/RL)  Std 2-stg LFL mast (NL/RL)  Opt 2-stg LFL mast (NL/RL)  Opt 3-stg FFL mast (NL/RL)  5 minute rating (NL/RL)  5 minute rating (NL/RL)  5 minute rating (NL/RL)  60 minute rating (NL/RL)  Method of control (service/pat	L/RL)	in (mm) Ib (kg) Ib (kg) Ib (kg)  mph (km/h) ft/min (m/sec)  % LBF	84.2 ( 8001 6177/17275 6744/2648  STANDARD PERFORMANCE 11.2/9.9 (18/16) 116/61 (0.59/0.31) 108/61 (0.55/0.31) 112/61 (0.57/0.31) 91/114 (0.57/0.31) 91/110 ( 32/20 10/6 4243/4064 1286/1232 Hydraulic/	2139) (3629) (2802/7836) (3059/1201)  POWERPLUS PERFORMANCE  13/11.2 (21/18)  124/73 (0.63/0.37)  116/73 (0.59/0.37)  118/73 (0.6/0.37)  0.46/0.58) 0.37/0.54) 0.4/0.56)  35/22  11/7  4583/4389  1389/1330  mechanical
32 33 34 35 36 37 37 37 38 38 38 38 40	Truck weight  Axle loading - drive  Axle loading - steer  Travel speed  Lift speed  Lower speed  Gradability  Drawbar pull  Brake	Static with max. wt. battery (N Static with max. wt. battery (N Static with max. wt. battery (N (NL/RL)  Std 2-stg LFL mast (NL/RL)  Opt 2-stg FFL mast (NL/RL)  Std 2-stg LFL mast (NL/RL)  Opt 2-stg LFL mast (NL/RL)  Opt 3-stg FFL mast (NL/RL)  5 minute rating (NL/RL)  5 minute rating (NL/RL)  5 minute rating (NL/RL)  60 minute rating (NL/RL)  Method of control (service/pat Method of operation	L/RL)	in (mm) Ib (kg) Ib (kg) Ib (kg)  mph (km/h) ft/min (m/sec)  % LBF	84.2 ( 8001 6177/17275 6744/2648  STANDARD PERFORMANCE 11.2/9.9 (18/16) 116/61 (0.59/0.31) 108/61 (0.55/0.31) 112/61 (0.57/0.31) 91/114 (0.73/106 (0.79/110 (0.32/20) 10/6 4243/4064 1286/1232 Hydraulic/	2139) (3629) (2802/7836) (3059/1201)  POWERPLUS PERFORMANCE  13/11.2 (21/18)  124/73 (0.63/0.37)  116/73 (0.59/0.37)  118/73 (0.6/0.37)  0.46/0.58) 0.37/0.54) 0.4/0.56)  35/22  11/7  4583/4389  1389/1330  mechanical  ttomatic
32 33 34 35 36 37 37 37 38 38 40 40	Truck weight  Axle loading - drive  Axle loading - steer  Travel speed  Lift speed  Lower speed  Gradability  Drawbar pull  Brake  Battery	Static with max. wt. battery (N Static with max. wt. battery (N Static with max. wt. battery (N (NL/RL)  Std 2-stg LFL mast (NL/RL)  Opt 2-stg FFL mast (NL/RL)  Std 2-stg LFL mast (NL/RL)  Opt 3-stg FFL mast (NL/RL)  Opt 3-stg FFL mast (NL/RL)  5 minute rating (NL/RL)  5 minute rating (NL/RL)  5 minute rating (NL/RL)  60 minute rating (NL/RL)  Method of control (service/par Method of operation (service/par Type	L/RL)	in (mm) Ib (kg) Ib (kg) Ib (kg) Ib (kg)  mph (km/h) ft/min (m/sec) ft/min (m/sec) ft/min (m/sec) ft/min (m/sec) ft/min (m/sec) ft/min (m/sec)  % LBF LBF	84.2 ( 8001 6177/17275 6744/2648  STANDARD PERFORMANCE 11.2/9.9 (18/16) 116/61 (0.59/0.31) 108/61 (0.55/0.31) 112/61 (0.57/0.31) 91/114 (0.73/106 (0.79/110 (0.32/20) 10/6 4243/4064 1286/1232 Hydraulic/Foot/au Lead acid   Thin Plate P	2139) (3629) (2802/7836) (3059/1201)  POWERPLUS PERFORMANCE  13/11.2 (21/18)  124/73 (0.63/0.37)  116/73 (0.59/0.37)  118/73 (0.6/0.37)  0.46/0.58) 0.37/0.54) 0.4/0.56)  35/22  11/7  4583/4389  1389/1330  mechanical  ttomatic  ure Lead*   Lithium-ion*
32 33 34 35 36 37 37 37 38 38 40 40	Truck weight  Axle loading - drive  Axle loading - steer  Travel speed  Lift speed  Lower speed  Gradability  Drawbar pull  Brake  Battery  Traction motors (dual)	Static with max. wt. battery (N Static with max. wt. battery (N Static with max. wt. battery (N (NL/RL)  Std 2-stg LFL mast (NL/RL)  Opt 2-stg FFL mast (NL/RL)  Std 2-stg LFL mast (NL/RL)  Opt 3-stg FFL mast (NL/RL)  Opt 3-stg FFL mast (NL/RL)  5 minute rating (NL/RL)  60 minute rating (NL/RL)  5 minute rating (NL/RL)  60 minute rating (NL/RL)  Method of control (service/particles)  Method of operation (service/particles)  Type  60 minute rating (each)	L/RL)	in (mm) Ib (kg) Ib (kg) Ib (kg) Ib (kg)  mph (km/h) ft/min (m/sec) ft/min (m/sec) ft/min (m/sec) ft/min (m/sec) ft/min (m/sec) ft/min (m/sec)  % LBF LBF	84.2 ( 8001 6177/17275 6744/2648  STANDARD PERFORMANCE 11.2/9.9 (18/16) 116/61 (0.59/0.31) 108/61 (0.55/0.31) 112/61 (0.57/0.31) 91/114 (0.73/106 (0.79/110 (0.32/20) 10/6 4243/4064 1286/1232 Hydraulic/Foot/au Lead acid   Thin Plate Pool	2139) (3629) (2802/7836) (3059/1201)  POWERPLUS PERFORMANCE  13/11.2 (21/18)  124/73 (0.63/0.37)  116/73 (0.59/0.37)  118/73 (0.6/0.37)  0.46/0.58) 0.37/0.54) 0.4/0.56)  35/22  11/7  4583/4389  1389/1330  mechanical  ttomatic  ure Lead*   Lithium-ion*  13.4 (10)
32 33 34 35 36 37 37 37 38 38 40 40	Truck weight  Axle loading - drive  Axle loading - steer  Travel speed  Lift speed  Lower speed  Gradability  Drawbar pull  Brake  Battery  Traction motors (dual)  Pump motor	Static with max. wt. battery (N Static with max. wt. battery (N Static with max. wt. battery (N (NL/RL)  Std 2-stg LFL mast (NL/RL)  Opt 2-stg FFL mast (NL/RL)  Std 2-stg LFL mast (NL/RL)  Opt 3-stg FFL mast (NL/RL)  Opt 3-stg FFL mast (NL/RL)  5 minute rating (NL/RL)  5 minute rating (NL/RL)  60 minute rating (NL/RL)  60 minute rating (NL/RL)  Method of control (service/particles)  Type  60 minute rating (each)  15 minute rating	L/RL)	in (mm) Ib (kg) Ib (kg) Ib (kg) Ib (kg)  mph (km/h) ft/min (m/sec) ft/min (m/sec) ft/min (m/sec) ft/min (m/sec) ft/min (m/sec) ft/min (m/sec)  % LBF LBF	84.2 ( 8001 6177/17275 6744/2648  STANDARD PERFORMANCE 11.2/9.9 (18/16) 116/61 (0.59/0.31) 108/61 (0.55/0.31) 112/61 (0.57/0.31) 91/114 (0.73/106 (0.79/110 (0.32/20) 10/6 4243/4064 1286/1232 Hydraulic/Foot/au Lead acid   Thin Plate Pool 13.4 (10) 21.5 (16)	2139) (3629) (2802/7836) (3059/1201)  POWERPLUS PERFORMANCE  13/11.2 (21/18)  124/73 (0.63/0.37)  116/73 (0.59/0.37)  118/73 (0.6/0.37)  0.46/0.58) 0.37/0.54) 0.4/0.56)  35/22  11/7  4583/4389  1389/1330  mechanical ttomatic ure Lead*   Lithium-ion*  13.4 (10)  32.2 (24)
32 33 34 35 36 37 37 38 38 38 38 40 40 41 42 42 43 44 44	Truck weight  Axle loading - drive  Axle loading - steer  Travel speed  Lift speed  Lower speed  Gradability  Drawbar pull  Brake  Battery  Traction motors (dual)  Pump motor  Traction motors	Static with max. wt. battery (N Static with max. wt. battery (N Static with max. wt. battery (N (NL/RL)  Std 2-stg LFL mast (NL/RL)  Opt 2-stg FFL mast (NL/RL)  Std 2-stg LFL mast (NL/RL)  Opt 3-stg FFL mast (NL/RL)  Opt 3-stg FFL mast (NL/RL)  5 minute rating (NL/RL)  60 minute rating (NL/RL)  5 minute rating (NL/RL)  60 minute rating (NL/RL)  Method of control (service/particles)  Method of operation (service/particles)  Type  60 minute rating (each)  15 minute rating  Type/control method	L/RL)	in (mm) Ib (kg) Ib (kg) Ib (kg) Ib (kg)  mph (km/h) ft/min (m/sec) ft/min (m/sec) ft/min (m/sec) ft/min (m/sec) ft/min (m/sec) ft/min (m/sec)  % LBF LBF	84.2 ( 8001 6177/17275 6744/2648  STANDARD PERFORMANCE 11.2/9.9 (18/16) 116/61 (0.59/0.31) 108/61 (0.55/0.31) 112/61 (0.57/0.31) 91/114 (0.73/106 (0.79/110	2139) (3629) (2802/7836) (3059/1201)  POWERPLUS PERFORMANCE  13/11.2 (21/18) 124/73 (0.63/0.37) 116/73 (0.59/0.37) 118/73 (0.6/0.37) 0.46/0.58) 0.37/0.54) 0.4/0.56) 35/22 11/7 4583/4389 1389/1330 mechanical itomatic ure Lead*   Lithium-ion* 13.4 (10) 32.2 (24) transistor
32 33 34 35 36 37 37 37 38 38 38 40 40 41 42 43 44 44 44 45	Truck weight  Axle loading - drive  Axle loading - steer  Travel speed  Lift speed  Lower speed  Gradability  Drawbar pull  Brake  Battery  Traction motors (dual)  Pump motor  Traction motors  Pump motor	Static with max. wt. battery (N Static with max. wt. battery (N Static with max. wt. battery (N (NL/RL)  Std 2-stg LFL mast (NL/RL)  Opt 2-stg FFL mast (NL/RL)  Std 2-stg LFL mast (NL/RL)  Opt 3-stg FFL mast (NL/RL)  Opt 3-stg FFL mast (NL/RL)  5 minute rating (NL/RL)  5 minute rating (NL/RL)  60 minute rating (NL/RL)  60 minute rating (NL/RL)  Method of control (service/particle)  Method of operation (service/particle)  Type  60 minute rating (each)  15 minute rating  Type/control method  Type/control method	L/RL)	in (mm) Ib (kg) Ib (kg) Ib (kg) Ib (kg)  mph (km/h) ft/min (m/sec) ft/min (m/sec) ft/min (m/sec) ft/min (m/sec) ft/min (m/sec) ft/min (m/sec)  % LBF LBF	84.2 ( 8001 6177/17275 6744/2648  STANDARD PERFORMANCE 11.2/9.9 (18/16) 116/61 (0.59/0.31) 108/61 (0.55/0.31) 112/61 (0.57/0.31) 91/114 (0.73/106 (0.79/110	2139) (3629) (2802/7836) (3059/1201)  POWERPLUS PERFORMANCE  13/11.2 (21/18)  124/73 (0.63/0.37)  116/73 (0.59/0.37)  118/73 (0.6/0.37)  0.46/0.58) 0.37/0.54) 0.4/0.56)  35/22  11/7  4583/4389  1389/1330  mechanical  itomatic  ure Lead*   Lithium-ion*  13.4 (10)  32.2 (24)  transistor
32 33 34 35 36 37 37 37 38 38 38 38 40 40 41 42 43 44 45 46 46	Truck weight  Axle loading - drive  Axle loading - steer  Travel speed  Lift speed  Lower speed  Gradability  Drawbar pull  Brake  Battery  Traction motors (dual)  Pump motor  Traction motors  Pump motor  Number of speeds	Static with max. wt. battery (N Static with max. wt. battery (N Static with max. wt. battery (N (NL/RL)  Std 2-stg LFL mast (NL/RL)  Opt 2-stg FFL mast (NL/RL)  Std 2-stg LFL mast (NL/RL)  Opt 3-stg FFL mast (NL/RL)  Opt 3-stg FFL mast (NL/RL)  5 minute rating (NL/RL)  60 minute rating (NL/RL)  5 minute rating (NL/RL)  60 minute rating (NL/RL)  Method of control (service/particle)  Method of operation (service/particle)  Type  60 minute rating (each)  15 minute rating  Type/control method	L/RL)	in (mm) Ib (kg) Ib (kg) Ib (kg) Ib (kg)  mph (km/h) ft/min (m/sec) ft/min (m/sec) ft/min (m/sec) ft/min (m/sec) ft/min (m/sec) ft/min (m/sec)  % LBF LBF  hp (kW) hp (kW)	84.2 ( 8001 6177/17275 6744/2648  STANDARD PERFORMANCE 11.2/9.9 (18/16) 116/61 (0.59/0.31) 108/61 (0.55/0.31) 112/61 (0.57/0.31) 91/114 (0.73/106 (0.79/110	2139) (3629) (2802/7836) (3059/1201)  POWERPLUS PERFORMANCE  13/11.2 (21/18)  124/73 (0.63/0.37)  116/73 (0.59/0.37)  118/73 (0.6/0.37)  0.46/0.58) 0.37/0.54) 0.4/0.56)  35/22  11/7  4583/4389  1389/1330  mechanical  itomatic  ure Lead*   Lithium-ion*  13.4 (10)  32.2 (24)  transistor  nsistor  /infinitely variable
32 33 34 35 36 37 37 37 38 38 38 39 40 40 41 42 43 44 44 45 46 47	Truck weight  Axle loading - drive  Axle loading - steer  Travel speed  Lift speed  Lower speed  Gradability  Drawbar pull  Brake  Battery  Traction motors (dual)  Pump motor  Traction motors  Pump motor  Number of speeds  Step height	Static with max. wt. battery (N Static with max. wt. battery (N Static with max. wt. battery (N (NL/RL)  Std 2-stg LFL mast (NL/RL)  Opt 2-stg FFL mast (NL/RL)  Std 2-stg LFL mast (NL/RL)  Std 2-stg LFL mast (NL/RL)  Opt 3-stg FFL mast (NL/RL)  5 minute rating (NL/RL)  5 minute rating (NL/RL)  60 minute rating (NL/RL)  60 minute rating (NL/RL)  Method of control (service/particle)  Method of operation (service/particle)  Type  60 minute rating (each)  15 minute rating  Type/control method  Type/control method  Traction/pump	L/RL)	in (mm) Ib (kg) Ib (kg) Ib (kg) Ib (kg)  mph (km/h) ft/min (m/sec) ft/min (m/sec) ft/min (m/sec) ft/min (m/sec) ft/min (m/sec) ft/min (m/sec)  % LBF LBF  hp (kW) hp (kW)	84.2 ( 8001 6177/17275 6744/2648  STANDARD PERFORMANCE 11.2/9.9 (18/16) 116/61 (0.59/0.31) 108/61 (0.55/0.31) 112/61 (0.57/0.31) 91/114 (0.73/106 (0.79/110	2139) (3629) (2802/7836) (3059/1201)  POWERPLUS PERFORMANCE  13/11.2 (21/18) 124/73 (0.63/0.37) 116/73 (0.59/0.37) 118/73 (0.6/0.37) 0.46/0.58) 0.37/0.54) 0.4/0.56) 35/22 11/7 4583/4389 1389/1330 mechanical itomatic ure Lead*   Lithium-ion* 13.4 (10) 32.2 (24) transistor nsistor /infinitely variable (475)
32 33 34 35 36 37 37 37 38 38 38 39 40 40 41 42 43 44 44 45 46 47	Truck weight  Axle loading - drive  Axle loading - steer  Travel speed  Lift speed  Lower speed  Gradability  Drawbar pull  Brake  Battery  Traction motors (dual)  Pump motor  Traction motors  Pump motor  Number of speeds  Step height  Floor height	Static with max. wt. battery (N Static with max. wt. battery (N Static with max. wt. battery (N (NL/RL)  Std 2-stg LFL mast (NL/RL)  Opt 2-stg FFL mast (NL/RL)  Std 2-stg LFL mast (NL/RL)  Opt 3-stg FFL mast (NL/RL)  Opt 3-stg FFL mast (NL/RL)  5 minute rating (NL/RL)  5 minute rating (NL/RL)  60 minute rating (NL/RL)  60 minute rating (NL/RL)  Method of control (service/particle)  Method of operation (service/particle)  Type  60 minute rating (each)  15 minute rating  Type/control method  Type/control method	L/RL)	in (mm) lb (kg) lb (kg) lb (kg) mph (km/h) ft/min (m/sec)  % LBF LBF  hp (kW) hp (kW)  in (mm) in (mm)	84.2 ( 8001 6177/17275 6744/2648  STANDARD PERFORMANCE 11.2/9.9 (18/16) 116/61 (0.59/0.31) 108/61 (0.55/0.31) 112/61 (0.57/0.31) 91/114 (0.73/106 (0.79/110 ().73/106 ().73/106 ().73/106	2139) (3629) (2802/7836) (3059/1201)  POWERPLUS PERFORMANCE  13/11.2 (21/18)  124/73 (0.63/0.37)  116/73 (0.59/0.37)  118/73 (0.6/0.37)  0.46/0.58) 0.37/0.54) 0.4/0.56)  35/22  11/7  4583/4389  1389/1330  mechanical  itomatic  ure Lead*   Lithium-ion*  13.4 (10)  32.2 (24)  transistor  nsistor  /infinitely variable (475) (706/810)
32 33 34 35 36 37 37 37 38 38 39 40 40 41 42 43 44 44 45 48 48 48 48 48 48 48 48 48 48 48 48 48	Truck weight  Axle loading - drive  Axle loading - steer  Travel speed  Lift speed  Lower speed  Cradability  Drawbar pull  Brake  Battery  Traction motors (dual)  Pump motor  Traction motors  Pump motor  Number of speeds  Step height  Floor height  Attachment relief pressure	Static with max. wt. battery (N Static with max. wt. battery (N Static with max. wt. battery (N (NL/RL)  Std 2-stg LFL mast (NL/RL)  Opt 2-stg FFL mast (NL/RL)  Std 2-stg LFL mast (NL/RL)  Std 2-stg LFL mast (NL/RL)  Opt 3-stg FFL mast (NL/RL)  5 minute rating (NL/RL)  60 minute rating (NL/RL)  5 minute rating (NL/RL)  60 minute rating (NL/RL)  Method of control (service/particle)  Method of operation (service/particle)  Type  60 minute rating (number of the control	L/RL)	in (mm) lb (kg) lb (kg) lb (kg) mph (km/h) ft/min (m/sec)  % LBF LBF  hp (kW) hp (kW)  in (mm) in (mm) psi (bar)	84.2 ( 8001 6177/17275 6744/2648  STANDARD PERFORMANCE 11.2/9.9 (18/16) 116/61 (0.59/0.31) 108/61 (0.55/0.31) 112/61 (0.57/0.31) 91/114 (0.73/106 (0.79/110 ().73/106 ().79/110 ().73/106 ().79/110 ().73/106 ().79/110 ().73/106 ().79/110 ().73/106 ().79/110 ().73/106 ().79/110 ().73/106 ().79/110 ().73/106 ().79/110 ().73/106 ().79/110 ().73/106 ().79/110 ().73/106 ().79/110 ().73/106 ().79/110 ().73/106 ().79/110 ().73/106 ().79/110 ().73/106	2139) (3629) (2802/7836) (3059/1201)  POWERPLUS PERFORMANCE  13/11.2 (21/18) 124/73 (0.63/0.37) 116/73 (0.59/0.37) 118/73 (0.6/0.37) 0.46/0.58) 0.37/0.54) 0.4/0.56) 35/22 11/7 4583/4389 1389/1330 mechanical itomatic ure Lead*   Lithium-ion* 13.4 (10) 32.2 (24) transistor nsistor /infinitely variable (475) (706/810) (155)
32 33 34 35 36 37 37 37 38 38 38 39 40 40 41 42 43 44 44 45 46 47	Truck weight  Axle loading - drive  Axle loading - steer  Travel speed  Lift speed  Lower speed  Cradability  Drawbar pull  Brake  Battery  Traction motors (dual)  Pump motor  Traction motors  Pump motor  Number of speeds  Step height  Floor height  Attachment relief pressure  Auxiliary oil flow	Static with max. wt. battery (N Static with max. wt. battery (N Static with max. wt. battery (N (NL/RL)  Std 2-stg LFL mast (NL/RL)  Opt 2-stg FFL mast (NL/RL)  Std 2-stg LFL mast (NL/RL)  Std 2-stg LFL mast (NL/RL)  Opt 3-stg FFL mast (NL/RL)  5 minute rating (NL/RL)  5 minute rating (NL/RL)  60 minute rating (NL/RL)  60 minute rating (NL/RL)  Method of control (service/particle)  Method of operation (service/particle)  Type  60 minute rating (each)  15 minute rating  Type/control method  Type/control method  Traction/pump	L/RL)	in (mm) lb (kg) lb (kg) lb (kg) mph (km/h) ft/min (m/sec)  % LBF LBF  hp (kW) hp (kW)  in (mm) in (mm)	84.2 ( 8001 6177/17275 6744/2648  STANDARD PERFORMANCE 11.2/9.9 (18/16) 116/61 (0.59/0.31) 108/61 (0.55/0.31) 112/61 (0.57/0.31) 91/114 (0.73/106 (0.79/110 ().73/106 ().79/110 ().73/106 ().79/110 ().73/106 ().79/110 ().73/106 ().79/110 ().73/106 ().79/110 ().73/106 ().79/110 ().73/106 ().79/110 ().73/106 ().79/110 ().73/106 ().79/110 ().73/106 ().79/110 ().73/106 ().79/110 ().73/106 ().79/110 ().73/106 ().79/110 ().73/106 ().79/110 ().73/106	2139) (3629) (2802/7836) (3059/1201)  POWERPLUS PERFORMANCE  13/11.2 (21/18)  124/73 (0.63/0.37)  116/73 (0.59/0.37)  118/73 (0.6/0.37)  0.46/0.58) 0.37/0.54) 0.4/0.56)  35/22  11/7  4583/4389  1389/1330  mechanical  itomatic  ure Lead*   Lithium-ion*  13.4 (10)  32.2 (24)  transistor  nsistor  /infinitely variable (475) (706/810)

<sup>\*</sup> Optional with Hyster Power Cellect™

**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.

Maximum fork height (TOF)	Overall lowered height	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)	in (mm)	in (mm)	in (mm)	in (mm)	J45XN	J50XN
2-STAGE LIMITED	FREE-LIFT (LFL) VIST	A® 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 FR	EE-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
S-STAGE FULL FR	EE-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 height	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)	in (mm)	in (mm)	in (mm)	in (mm)	J60XN	J70XN
2-STAGE LIMITED F	REE-LIFT (LFL) VIST	A® 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 FRE	E-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 FRE	E-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														
			Col	Compartment size			Battery specifications								
		Model	Compartment Size			Electrical			Size			Weight			
			W in (mm)	L in (mm)	H in (mm)	Volts	No. of cells	Plates per cell	Max Am Hr (kWh)	W max in (mm)	L max in (mm)	H max in (mm)	Min Ib (kg)	Max Ib (kg)	
		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)	
2	J45-50XN 8" compartment	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)	
3		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"-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**

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

ERGONOMICS (continued)	STD	OPT
Low mount display	0.5	X
Oil-cooled wet disc brakes	х	Α
Automatic park brake	Х	
ADS (Auto Deceleration System) with regenerative braking	Х	
Anti cinch operator restraint system	х	
Operator Presence System (OPS)	х	
Full steel cab: includes front panel with wiper/washer, rear panel with wiper/		
washer, steel doors, top panel with headliner and dome light		Х
Front and top cab panels: includes front panel with wiper/washer and top panel		Х
Battery side covers	Х	
OPERATION	STD	OPT
Battery compartment size: 28" (J45-50XN); 34" (J60-70XN)	х	
IP54 sealed drive axle/motors with belly pan and side shields		Х
Lift out battery extraction	Х	
Standard construction	Х	
UI classification type "E"	Х	
Key switch start	Х	
86.3" grid style overhead guard		
Fully integrated CANbus communication	Х	
On-demand power steering	Х	
Hyster Stability System (HSS)®	Х	
Static strap	Х	
Tow pin	Х	
Side extraction battery removal with rollers		Х
Rapid/fast charge		Х
UI classification type "EE"		Х
3 function hydraulic control valve with seat side mechanical levers	Х	
On-board software  • Program, test & diagnose	×	
Password protected	^	
"Zero turn" steer axle	х	
34" battery compartment (J50XNL)		х
4 function hydraulic control valve		Х
Keyless start (with auxiliary key switch)		Х
LED and halogen work light packages		Х
LED dome/reading light		Х
LED brake/tail/back-up light packages		Х
Audible reverse activated alarm		Х
Visible amber strobe light - continuous activated, overhead guard mounted		Х
Impact monitor		Х
Operator password		Х
Operator daily checklist		Х
System monitor – hydraulic low fluid level indicator and hydraulic filter service indicator		х
Hydraulic attachment extension tubes with or without quick disconnect fittings		х
Fire extinguisher – 2.5 lb dry chemical		Х
Hyster Reaction™		Х
Integrated rapid charge		Х
Front mud guards		Х
Electronic horn with integral relay (long life/no adjustments)	Х	
Outdoor protection/wash-down package		Х
SUPPLEMENTAL	STD	OPT
12 month/2,000 hour full truck warranty	х	
36 month/6,000 hour powertrain warranty	Х	
Operating manual	X	0.00
ENERGY SYSTEM	STD	OPT
Lead acid	Х	
Hyster Power Cellect™		Х



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