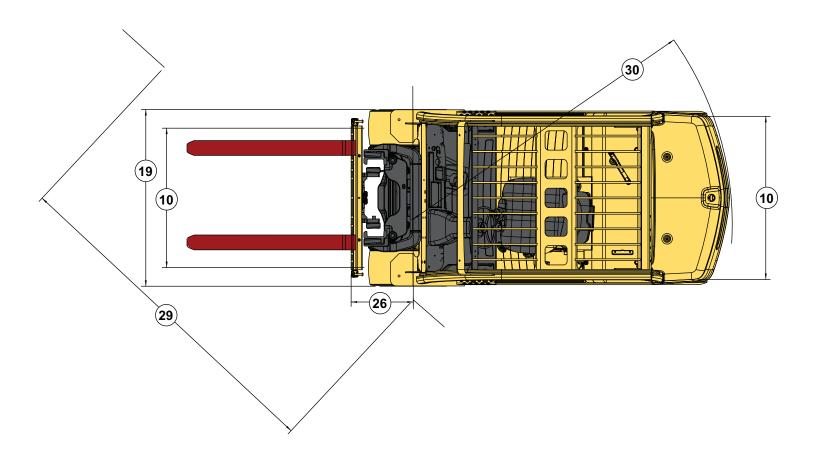
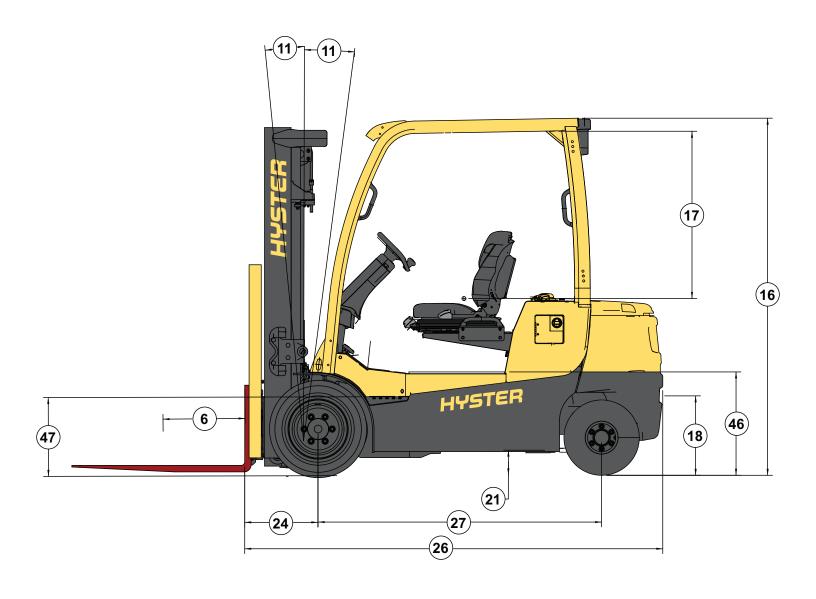


INTEGRATED LITHIUM-ION COUNTERBALANCED FORKLIFT

PRODUCT TECHNICAL GUIDE







SPECIFICATIONS

<u> </u>	Manufacturar			Llyo	tor
2	Manufacturer Model designation			Hys J50X	
3				Electric/8	
_					
4			H (1)	Si	
5	' '		lb (kg)	5000 (2	,
	Load center		in (mm)	24 (6	
7	71 (1 /			Pneumatic/pneum	
8 9	_ ` /		in	23x10-12	
-		,	front/rear	2X/	
	Tread (center of tires) (s	•	in (mm)	36.9/41.5/39.1 (
	Mast tilt (std/opt/opt) (fo	•	degrees	5/5 10/	/5 5/6
12	Mast - lowered height (s	td mast)	in (mm)	87 (2)	192)
13	Free lift - top of fork	Std 2 std limited free lift mast	in (mm)	5 (14	40)
		Op 2-stg full free lift mast with/without LBR	in (mm)	37/64 (96	52/1628)
14	Lift height - top of fork	Std 2-stg limited free lift mast	in (mm)	133 (3	3392)
15	Mast - extended height (std mast with/without LBR)	in (mm)	182/156 (4	622/3956)
16	Overhead guard height	,	in (mm)	86.3 (2	
17	SIP to bottom of OHG (s	eat depressed) (std/susp/air ride)	in (mm)	36.9/41.5/39.1 (
	Tow pin height (vertical o		in (mm)	10.3 (
	Overall width	Pneumatic tires (std/wide tread)	in (mm)	46.9/51.5 (1	,
		PSS tires (std/wide tread)	in (mm)	46.2/50.7 (1	
20	Forks (thickness x width	,	in (mm)	1.6 x 3.9 x 42 (4)	,
	Standard carriage width		in (mm)	42 (10	
22		st point (NL/RL)	in (mm)	3.9/3.3 (,
23		,	in (mm)	5.4/5.3 (1	` '
24		,		15.9 (,
	Battery compartment	•	in (mm)	,	, ,
25	Battery compartment	Height	in (mm)	12.6 (
\vdash		Width	in (mm)	29.1 (
\vdash		Length - nominal	Size	34	
<u> </u>		Length - actual	in (mm)	39.4 (1	,
_	Length to face of forks		in (mm)	97 (24	,
27			in (mm)	68.9 (1	
_	Right angle stack		in (mm)	146.7 ((3727)
-	Equal aisle (90° intersec	ting aisle)	in (mm)	80.5 (2	2045)
0.0	0 1 1 1 1 1 1		in (mm)	81.6 (2	2073)
${ o}$	Outside turing radius		` ,	01.0 (2	
31	Truck weight (without ba		lb (kg)	8680 (3	
${ o}$	Truck weight (without ba	ttery - no load) ic with max weight battery (NL/RL)		· ·	3945)
31 32	Truck weight (without ba		lb (kg)	8680 (3945) 13270 (6020)
31 32 33	Truck weight (without bate Axle loading - drive - state Axle loading - steer - state Axle loading - state - s	ic with max weight battery (NL/RL)	Ib (kg) Ib (kg) Ib (kg)	8680 (: 4855 (2205)/1 4680 (2125) Standard performance	3945) <mark>13270 (6020)</mark> /1765 (800) PowerPlus performand
31 32 33 34	Truck weight (without ba Axle loading - drive - stat Axle loading - steer - stat Travel speed (NL/RL)	ic with max weight battery (NL/RL) tic with max weight battery (NL/RL)	Ib (kg) Ib (kg) Ib (kg) Imph (kph)	8680 (: 4855 (2205)/1 4680 (2125)/ Standard performance 11.2/11.2 (18/18)	3945) 13270 (6020) /1765 (800) PowerPlus performand 13/13 (21/21)
31 32 33 34	Truck weight (without bate Axle loading - drive - state Axle loading - steer - state Axle loading - state - s	ic with max weight battery (NL/RL) tic with max weight battery (NL/RL) Std 2-stg LFL mast (NL/RL)	Ib (kg) Ib (kg) Ib (kg) Ib (kg) mph (kph) ft/min (m/sec)	8680 (: 4855 (2205)/1 4680 (2125)/ Standard performance 11.2/11.2 (18/18) 124/75 (0.63/0.38)	3945) 13270 (6020) /1765 (800) PowerPlus performand 13/13 (21/21) 142/96 (0.72/0.49)
31 32 33 34	Truck weight (without ba Axle loading - drive - stat Axle loading - steer - stat Travel speed (NL/RL)	ic with max weight battery (NL/RL) tic with max weight battery (NL/RL)	Ib (kg) Ib (kg) Ib (kg) Imph (kph)	8680 (: 4855 (2205)/1 4680 (2125)/ Standard performance 11.2/11.2 (18/18)	3945) 13270 (6020) /1765 (800) PowerPlus performand 13/13 (21/21)
31 32 33 34	Truck weight (without ba Axle loading - drive - stat Axle loading - steer - stat Travel speed (NL/RL)	ic with max weight battery (NL/RL) tic with max weight battery (NL/RL) Std 2-stg LFL mast (NL/RL)	Ib (kg) Ib (kg) Ib (kg) Ib (kg) mph (kph) ft/min (m/sec)	8680 (: 4855 (2205)/1 4680 (2125)/ Standard performance 11.2/11.2 (18/18) 124/75 (0.63/0.38)	3945) 13270 (6020) /1765 (800) PowerPlus performand 13/13 (21/21) 142/96 (0.72/0.49)
31 32 33 34 35	Truck weight (without ba Axle loading - drive - stat Axle loading - steer - stat Travel speed (NL/RL)	ic with max weight battery (NL/RL) tic with max weight battery (NL/RL) Std 2-stg LFL mast (NL/RL) Opt 2-stg FFL mast (NL/RL)	Ib (kg) Ib (kg) Ib (kg) Ib (kg) mph (kph) ft/min (m/sec) ft/min (m/sec)	8680 (: 4855 (2205)/1 4680 (2125)/ Standard performance 11.2/11.2 (18/18) 124/75 (0.63/0.38) 124/77 (0.63/0.39)	3945) 3270 (6020) /1765 (800) PowerPlus performant 13/13 (21/21) 142/96 (0.72/0.49) 130/93 (0.66/0.47) 134/94 (0.68/0.48)
31 32 33 34 35	Truck weight (without ba Axle loading - drive - stat Axle loading - steer - stat Travel speed (NL/RL) Lift speed	ic with max weight battery (NL/RL) tic with max weight battery (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) Ib (kg) Ib (kg) mph (kph) ft/min (m/sec) ft/min (m/sec) ft/min (m/sec)	8680 (: 4855 (2205)/1 4680 (2125)/ 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)	3945) 3270 (6020) /1765 (800) PowerPlus performant 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)
31 32 33 34 35	Truck weight (without ba Axle loading - drive - stat Axle loading - steer - stat Travel speed (NL/RL) Lift speed	ic with max weight battery (NL/RL) tic with max weight battery (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)	Ib (kg) Ib (kg) Ib (kg) Ib (kg) mph (kph) ft/min (m/sec) ft/min (m/sec) ft/min (m/sec) ft/min (m/sec)	8680 (: 4855 (2205)/1 4680 (2125)/ 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 (0	3945) 3270 (6020) /1765 (800) PowerPlus performant 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) .46/0.54)
31 32 33 34 35	Truck weight (without ba Axle loading - drive - stat Axle loading - steer - stat Travel speed (NL/RL) Lift speed	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 3-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)	Ib (kg) Ib (kg) Ib (kg) Ib (kg) mph (kph) ft/min (m/sec) ft/min (m/sec) ft/min (m/sec) ft/min (m/sec) ft/min (m/sec)	8680 (: 4855 (2205)/1 4680 (2125)/ 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 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/106 (0.91/1	3945) 3270 (6020) /1765 (800) PowerPlus performant 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) .46/0.54)
31 32 33 34 35	Truck weight (without ba Axle loading - drive - stal Axle loading - steer - stal Travel speed (NL/RL) Lift speed Lower speed	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 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)	Ib (kg) Ib (kg) Ib (kg) Ib (kg) mph (kph) ft/min (m/sec)	8680 (: 4855 (2205)/1 4680 (2125)/ 4680 (2125)/ 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 (0 91/106 (0. 93/108 (0.	3945) 13270 (6020) /1765 (800) PowerPlus performant 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) .46/0.54) .47/0.55)
31 32 33 34 35 36	Truck weight (without ba Axle loading - drive - stal Axle loading - steer - stal Travel speed (NL/RL) Lift speed Lower speed	ic with max weight battery (NL/RL) tic with max weight battery (NL/RL) Std 2-stg LFL mast (NL/RL) Opt 2-stg FFL mast (NL/RL) Opt 3-stg FFL mast (NL/RL) Opt 2-stg L 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) 60 minute rating (NL/RL)	Ib (kg) Ib (kg) Ib (kg) mph (kph) ft/min (m/sec)	8680 (: 4855 (2205)/1 4680 (2125)/ 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 (0 91/106 (0. 93/108 (0. 35/24	3945) 13270 (6020) /1765 (800) PowerPlus performant 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) 4.66/0.54) 4.47/0.55) 38/26
31 32 33 34 35 36	Truck weight (without ba Axle loading - drive - stat Axle loading - steer - stat Travel speed (NL/RL) Lift speed Lower speed Gradeability	ic with max weight battery (NL/RL) tic with max weight battery (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)	Ib (kg) Ib (kg) Ib (kg) Ib (kg) mph (kph) ft/min (m/sec)	8680 (: 4855 (2205)/1 4680 (2125)/ 4680 (2125)/ 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 (0 91/106 (0. 93/108 (0. 35/24 12/8 4248/4148	3945) 3270 (6020) /1765 (800) PowerPlus performant 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) 46/0.54) 47/0.55 38/26 13/9 4588/4480
31 32 33 34 35 36 37 38	Truck weight (without ba Axle loading - drive - stat Axle loading - steer - stat Travel speed (NL/RL) Lift speed Lower speed Gradeability Drawbar pull	std 2-stg LFL mast (NL/RL) Opt 2-stg FFL mast (NL/RL) Opt 3-stg FFL mast (NL/RL) Opt 2-stg FFL mast (NL/RL) Opt 3-stg FFL 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) 60 minute rating (NL/RL) 60 minute rating (NL/RL)	Ib (kg) Ib (kg) Ib (kg) Ib (kg) mph (kph) ft/min (m/sec) % % LBF	8680 (: 4855 (2205)/1 4680 (2125)/ 4680 (2125)/ 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 (0 91/106 (0. 93/108 (0. 35/24 12/8 4248/4148 1287/1257	3945) 3270 (6020) /1765 (800) PowerPlus performant 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) 38/26 13/9 4588/4480 1390/1357
31 32 33 34 35 36 37 38	Truck weight (without ba Axle loading - drive - stat Axle loading - steer - stat Travel speed (NL/RL) Lift speed Lower speed Gradeability	ic with max weight battery (NL/RL) tic with max weight battery (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) 60 minute rating (NL/RL) 60 minute rating (NL/RL) 60 minute rating (NL/RL) Method of control (service/parking)	Ib (kg) Ib (kg) Ib (kg) Ib (kg) mph (kph) ft/min (m/sec) % % LBF	8680 (: 4855 (2205)/1 4680 (2125)/ 4680 (2125)/ 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 (0 91/106 (0. 93/108 (0. 35/24 12/8 4248/4148 1287/1257 Hydraulic/m	3945) 3270 (6020) /1765 (800) PowerPlus performan 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) .46/0.54) .47/0.55) 38/26 13/9 4588/4480 1390/1357
31 32 33 34 35 36 37 38	Truck weight (without ba Axle loading - drive - stat Axle loading - steer - stat Travel speed (NL/RL) Lift speed Lower speed Gradeability Drawbar pull Brake	ic with max weight battery (NL/RL) tic with max weight battery (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) 5 minute rating (NL/RL) 60 minute rating (NL/RL) 60 minute rating (NL/RL) Method of control (service/parking) Method of operation (service/parking)	Ib (kg) Ib (kg) Ib (kg) Ib (kg) mph (kph) ft/min (m/sec) % % LBF	8680 (: 4855 (2205)/1 4680 (2125)/ \$tandard performance 11.2/11.2 (18/18) 124/75 (0.63/0.38) 124/77 (0.63/0.39) 100/112 (0 91/106 (0. 93/108 (0. 35/24 12/8 4248/4148 1287/1257 Hydraulic/m Foot/aut	3945) (3270 (6020) /1765 (800) PowerPlus performance
31 32 33 34 35 36 37 38	Truck weight (without ba Axle loading - drive - stat Axle loading - steer - stat Travel speed (NL/RL) Lift speed Lower speed Gradeability Brake Battery compartment type	std 2-stg LFL mast (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 3-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) 60 minute rating (NL/RL) 60 minute rating (NL/RL) Method of control (service/parking) Method of operation (service/parking)	Ib (kg) Ib (kg) Ib (kg) Ib (kg) mph (kph) ft/min (m/sec) ### LBF LBF	8680 (: 4855 (2205)/1 4680 (2125)/ \$tandard performance 11.2/11.2 (18/18) 124/75 (0.63/0.38) 124/77 (0.63/0.39) 100/112 (0 91/106 (0. 93/108 (0. 35/24 12/8 4248/4148 1287/1257 Hydraulic/m Foot/aut Lithiur	3945) 13270 (6020) /1765 (800) PowerPlus performant
31 32 33 34 35 36 37 38 39	Truck weight (without ba Axle loading - drive - stat Axle loading - steer - stat Axle loading - steer - stat Travel speed (NL/RL) Lift speed Lower speed Gradeability Drawbar pull Brake Battery compartment typ Battery voltage (nominal	std 2-stg LFL mast (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) Std 2-stg LFL 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) 5 minute rating (NL/RL) 60 minute rating (NL/RL) 60 minute rating (NL/RL) Method of control (service/parking) Method of operation (service/parking) Method of operation (service/parking)	Ib (kg) Ib (kg) Ib (kg) Ib (kg) mph (kph) 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 U/ah	8680 (: 4855 (2205)/1 4680 (2125)/ 4680 (2125)/ Standard performance 11.2/11.2 (18/18) 124/75 (0.63/0.38) 124/77 (0.63/0.39) 100/112 (0 91/106 (0. 93/108 (0. 35/24 12/8 4248/4148 1287/1257 Hydraulic/m Foot/aut Lithiur 80/4	3945) 13270 (6020) /1765 (800) PowerPlus performant
31 32 33 34 35 36 37 38 40 41	Truck weight (without ba Axle loading - drive - stal Axle loading - steer - stal Travel speed (NL/RL) Lift speed Lower speed Cradeability Drawbar pull Brake Battery compartment typ Battery voltage (nominal Traction motors (dual) 6	std 2-stg LFL mast (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 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) 60 minute rating (NL/RL) 5 minute rating (NL/RL) 60 minute rating (NL/RL) 60 minute rating (NL/RL) we capacity) Method of operation (service/parking) method of ominute rating (sech)	Ib (kg) Ib (kg) Ib (kg) Ib (kg) mph (kph) ft/min (m/sec) # **LBF** **LBF** **V/ah** hp (kW)	8680 (: 4855 (2205)/1 4680 (2125)/ 4680 (2125)/ 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 (0 91/106 (0. 93/108 (0. 35/24 12/8 4248/4148 1287/1257 Hydraulic/m Foot/aut Lithiur 80/4 13.4 (10)	3945) 3270 (6020) /1765 (800) PowerPlus performant
31 32 33 34 35 36 37 38 39 40 41 42	Truck weight (without ba Axle loading - drive - stat Axle loading - steer - stat Axle loading - steer - stat Travel speed (NL/RL) Lift speed Lower speed Gradeability Brake Battery compartment typ Battery voltage (nominal Traction motors (dual) 6 Pump motor -15 minute	sic with max weight battery (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 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) 60 minute rating (NL/RL) 60 minute rating (NL/RL) 60 minute rating (NL/RL) Method of control (service/parking) Method of operation (service/parking) e capacity) 0 minute rating (each) rating	Ib (kg) Ib (kg) Ib (kg) Ib (kg) mph (kph) 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 U/ah	8680 (: 4855 (2205)/1 4680 (2125)/ 4680 (2125)/ 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 (0 91/106 (0. 93/108 (0. 35/24 12/8 4248/4148 1287/1257 Hydraulic/m Foot/aut Lithiur 80/4 13.4 (10) 21.5 (16)	3945) 3270 (6020) /1765 (800) PowerPlus performant
31 32 33 34 35 36 37 38 39 40 41 42 43	Truck weight (without ba Axle loading - drive - stat Axle loading - steer - stat Axle loading - steer - stat Travel speed (NL/RL) Lift speed Lower speed Cradeability Brake Battery compartment type Battery voltage (nominal Traction motors (dual) 6 Pump motor -15 minute Traction motors (type/co	sic with max weight battery (NL/RL) tic with max weight battery (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) Opt 3-stg FFL mast (NL/RL) 5 minute rating (NL/RL) 60 minute rating (NL/RL) 60 minute rating (NL/RL) 60 minute rating (NL/RL) Method of control (service/parking) Method of operation (service/parking) ee capacity) O minute rating (each) rating ntrol method)	Ib (kg) Ib (kg) Ib (kg) Ib (kg) mph (kph) ft/min (m/sec) # **LBF** **LBF** **V/ah** hp (kW)	8680 (: 4855 (2205)/1 4680 (2125)/ 4680 (2125)/ 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) 124/77 (0.63/0.39) 100/112 (0 91/106 (0. 93/108 (0. 35/24 12/8 4248/4148 1287/1257 Hydraulic/m Foot/aut Lithium 80/4 13.4 (10) 21.5 (16) Dual AC/tr	3945) 3270 (6020) /1765 (800) PowerPlus performant
31 32 33 34 35 36 37 38 39 40 41 42 43 44	Truck weight (without ba Axle loading - drive - stat Axle loading - steer - stat Axle loading - steer - stat Travel speed (NL/RL) Lift speed Lower speed Gradeability Drawbar pull Battery compartment typ Battery voltage (nominal Traction motors (dual) 6 Pump motor -15 minute Traction motors (type/contraction)	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) 60 minute rating (NL/RL) 60 minute rating (NL/RL) 60 minute rating (NL/RL) Method of control (service/parking) Method of operation (service/parking) Detector of the service o	Ib (kg) Ib (kg) Ib (kg) Ib (kg) mph (kph) ft/min (m/sec) # **LBF** **LBF** **V/ah** hp (kW)	8680 (: 4855 (2205)/1 4680 (2125)/ 4680 (2125)/ 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 (0 91/106 (0. 93/108 (0. 35/24 12/8 4248/4148 1287/1257 Hydraulic/m Foot/aut Lithiur 80/4 13.4 (10) 21.5 (16) Dual AC/tran	3945) 3270 (6020) /1765 (800) PowerPlus performant
31 32 33 34 35 36 37 38 40 41 42 43 44 45	Truck weight (without ba Axle loading - drive - stat Axle loading - steer - stat Axle loading - steer - stat Travel speed (NL/RL) Lift speed Lower speed Cradeability Brake Battery compartment typ Battery voltage (nominal Traction motors (dual) 6 Pump motor - 15 minute Traction motors (type/contro Number of speeds (tract	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) 60 minute rating (NL/RL) 60 minute rating (NL/RL) 60 minute rating (NL/RL) Method of control (service/parking) Method of operation (service/parking) Detector of the service o	Ib (kg) Ib (kg) Ib (kg) Ib (kg) mph (kph) ft/min (m/sec) % % LBF LBF V/ah hp (kW) hp (kW)	8680 (: 4855 (2205)/1 4680 (2125)/ 4680 (2125)/ 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 (0 91/106 (0. 93/108 (0. 35/24 12/8 4248/4148 1287/1257 Hydraulic/m Foot/aut Lithiur 80/4 13.4 (10) 21.5 (16) Dual AC/tran Infinitely variable/	3945) 3270 (6020) /1765 (800) PowerPlus performance
31 32 33 34 35 36 37 38 39 40 41 42 43 44 45	Truck weight (without ba Axle loading - drive - stat Axle loading - steer - stat Axle loading - steer - stat Travel speed (NL/RL) Lift speed Lower speed Gradeability Brake Battery compartment typ Battery voltage (nominal Traction motors (dual) 6 Pump motor -15 minute Traction motors (type/contro Number of speeds (tract Step height	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) 60 minute rating (NL/RL) 60 minute rating (NL/RL) 60 minute rating (NL/RL) Method of control (service/parking) Method of operation (service/parking) Detector of the service o	Ib (kg) Ib (kg) Ib (kg) Ib (kg) mph (kph) 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 V/ah hp (kW) hp (kW) in (mm)	8680 (: 4855 (2205)/1 4680 (2125)/ 4680 (2125)/ 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 (0 91/106 (0. 93/108 (0. 35/24 12/8 4248/4148 1287/1257 Hydraulic/m Foot/aut Lithiur 80/4 13.4 (10) 21.5 (16) Dual AC/tran Infinitely variable/i 18.7 (3945) 3270 (6020) /1765 (800) PowerPlus performance
31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47	Truck weight (without ba Axle loading - drive - stat Axle loading - steer - stat Axle loading - steer - stat Travel speed (NL/RL) Lift speed Lower speed Cradeability Brake Battery compartment typ Battery voltage (nominal Traction motors (dual) 6 Pump motor -15 minute Traction motors (type/control Number of speeds (tract Step height Floor height	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 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) 5 minute rating (NL/RL) 60 minute rating (NL/RL) 60 minute rating (NL/RL) 60 minute rating (NL/RL) Method of control (service/parking) Method of operation (service/parking) ee capacity) O minute rating (each) rating ntrol method) ol method) ol method)	Ib (kg) Ib (kg) Ib (kg) Ib (kg) mph (kph) ft/min (m/sec) % % LBF LBF V/ah hp (kW) hp (kW)	8680 (: 4855 (2205)/1 4680 (2125)/ 4680 (2125)/ 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 (0 91/106 (0. 93/108 (0. 35/24 12/8 4248/4148 1287/1257 Hydraulic/m Foot/aut Lithiur 80/4 13.4 (10) 21.5 (16) Dual AC/tran Infinitely variable/ 18.7 (24.4 (3945) 3270 (6020) /1765 (800) PowerPlus performance
31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48	Truck weight (without ba Axle loading - drive - stat Axle loading - steer - stat Axle loading - steer - stat Travel speed (NL/RL) Lift speed Lower speed Cradeability Brake Battery compartment type Battery voltage (nominal Traction motors (dual) 6 Pump motor - 15 minute Traction motors (type/control Number of speeds (tract Step height Floor height Attachment relief pressu	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 3-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) 60 minute rating (NL/RL) Method of control (service/parking) Method of operation (service/parking) ee capacity) O minute rating (each) rating ntrol method) ol method) ol method) ion/pump)	Ib (kg) Ib (kg) Ib (kg) Ib (kg) mph (kph) ft/min (m/sec) % % LBF LBF V/ah hp (kW) hp (kW) in (mm) jin (mm) psi (bar)	8680 (: 4855 (2205)/1 4680 (2125)/ 4680 (2125)/ 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 (0 91/106 (0. 93/108 (0. 35/24 12/8 4248/4148 1287/1257 Hydraulic/m Foot/aut Lithiur 80/4 13.4 (10) 21.5 (16) Dual AC/tran Infinitely variable/ 18.7 (24.4 (2250 (3945) 3270 (6020) /1765 (800) PowerPlus performance
31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48	Truck weight (without ba Axle loading - drive - stat Axle loading - steer - stat Axle loading - steer - stat Travel speed (NL/RL) Lift speed Lower speed Cradeability Brake Battery compartment typ Battery voltage (nominal Traction motors (dual) 6 Pump motor -15 minute Traction motors (type/control Number of speeds (tract Step height Floor height	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 3-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) 60 minute rating (NL/RL) Method of control (service/parking) Method of operation (service/parking) ee capacity) O minute rating (each) rating ntrol method) ol method) ol method) ion/pump)	Ib (kg) Ib (kg) Ib (kg) Ib (kg) mph (kph) 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 V/ah hp (kW) hp (kW) in (mm) in (mm)	8680 (: 4855 (2205)/1 4680 (2125)/ 4680 (2125)/ 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 (0 91/106 (0. 93/108 (0. 35/24 12/8 4248/4148 1287/1257 Hydraulic/m Foot/aut Lithiur 80/4 13.4 (10) 21.5 (16) Dual AC/tran Infinitely variable/ 18.7 (24.4 (3945) 3270 (6020) /1765 (800) PowerPlus performance

The following chargers are approved to use with the J60XNL lithium-ion battery: Posicharge ProCORE (80V) – 10kW, 15kW, 20kW, or 30kW single cable EcoTec Fast Charge Access (80V) – 80-500-32FC or 80-650-32FC

NL = no load, RL = rated load

Above specifications, unless otherwise listed, are for a standard truck without optional equipment. Right angle stack and equal intersecting aisle are calculated using a 40" wide pallet.

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. Performance specifications are for a truck equipped as described under Standard Equipment on this Technical Guide. Performance specifications affected by the condition of the vehicle and how it is equipped, as well as by the nature, condition of the operating area, proper service and maintenance of the vehicle. If these specifications are critical, the proposed application should be discussed with your dealer.

2	Manufacturer Model designation			Hys J60)	
₹ 4	Model designation				
GENERAL 3 4				Electric/6	
를 <u>4</u>			n a >	Si	
3			lb (kg)	6000 (,
6			in (mm)	24 (6	
7	· · · · · · · · · · · · · · · · ·			Pneumatic/pneum	
8 8 8	_ ` ′		in	23x10-12	
	_	,	front/rear	2X	
-	Tread (center of tires) (in (mm)	36.9/41.5/39.1 ((938/1054/992)
11	1 Mast tilt (std/opt/opt) (forward/rearward)	degrees	5/5 10	/5 5/6
12	2 Mast - lowered height (std mast)	in (mm)	87 (2	192)
13	3 Free lift - top of fork	Std 2 std limited free lift mast	in (mm)	5 (1	40)
		Op 2-stg full free lift mast with/without LBR	in (mm)	37/60 (95	57/1540)
14	4 Lift height - top of fork	Std 2-stg limited free lift mast	in (mm)	126 (3	3209)
15	5 Mast - extended height	(std mast with/without LBR)	in (mm)	175/153 (4	444/3861)
	6 Overhead guard height		in (mm)	86.3 (2	2193)
17	7 SIP to bottom of OHG	(seat depressed) (std/susp/air ride)	in (mm)	36.9/41.5/39.1 ((938/1054/992)
18			in (mm)	10.3 (
	9 Overall width	Pneumatic tires (std/wide tread)	in (mm)	46.9/51.5 (1	,
		PSS tires (std/wide tread)	in (mm)	46.2/50.7 (1	
20 20 21 22 22 22 22 22 22 22 22 22 22 22 22	Forks (thickness x widt	,	in (mm)	2 x 4.9 x 42 (50	•
2 21	1 Standard carriage width		in (mm)	42 (1	
E 22	2 Ground clearance - low		in (mm)	3.9/3.3	,
5 2	3 Ground clearance - cen		in (mm)	5.4/5.3 (1	` '
	4 Load distance (center of	,		16.4 (
	5 Battery compartment	Height	in (mm)		,
25	battery compartment	Width	in (mm)	12.6 (. ,
\vdash			in (mm)	29.1 (
<u> </u>		Length - nominal	Size	34	
		Length - actual	in (mm)	39.4 (,
	Length to face of forks		in (mm)	100.5 (,
_	7 Wheelbase		in (mm)	68.9 (
_	8 Right angle stack		in (mm)	149.3 (,
_	9 Equal aisle (90° interse	cting aisle)	in (mm)	81.7 (2	,
	Outside turing radius		in (mm)	84.2 (2	
	1 Truck weight (without b		lb (kg)	9540 (4340)
<u>=</u> 32	2 Axle loading - drive - st	atic with max weight battery (NL/RL)	lb (kg)	5645 (2566)/1	15150 (6886)
33		atic with max weight battery (NL/RL)	lb (kg)	5630 (2559)	/2125 (966)
J.	Axle loading - steer - st			0000 (2000)	
	3 Axle loading - steer - st		(3)	Standard performance	PowerPlus performance
	Axie loading - steer - st Travel speed (NL/RL)		mph (kph)	<u> </u>	PowerPlus performance 13/12.1 (21/19.5)
34	<u> </u>	Std 2-stg LFL mast (NL/RL)		Standard performance	
34	4 Travel speed (NL/RL)	Std 2-stg LFL mast (NL/RL) Opt 2-stg FFL mast (NL/RL)	mph (kph)	Standard performance 11.2/10.6 (18/17)	13/12.1 (21/19.5)
34	4 Travel speed (NL/RL)	9 ()	mph (kph) ft/min (m/sec)	Standard performance 11.2/10.6 (18/17) 116/65 (0.59/0.33)	13/12.1 (21/19.5) 124/83 (0.63/0.42)
34	4 Travel speed (NL/RL)	Opt 2-stg FFL mast (NL/RL)	mph (kph) ft/min (m/sec) ft/min (m/sec)	Standard performance 11.2/10.6 (18/17) 116/65 (0.59/0.33) 108/65 (0.55/0.33)	13/12.1 (21/19.5) 124/83 (0.63/0.42) 116/81 (0.59/0.41) 118/81 (0.60/0.41)
34	4 Travel speed (NL/RL) 5 Lift speed	Opt 2-stg FFL mast (NL/RL) Opt 3-stg FFL mast (NL/RL)	mph (kph) ft/min (m/sec) ft/min (m/sec) ft/min (m/sec)	Standard performance 11.2/10.6 (18/17) 116/65 (0.59/0.33) 108/65 (0.55/0.33) 112/65 (0.57/0.33)	13/12.1 (21/19.5) 124/83 (0.63/0.42) 116/81 (0.59/0.41) 118/81 (0.60/0.41) .46/0.56)
34	4 Travel speed (NL/RL) 5 Lift speed	Opt 2-stg FFL mast (NL/RL) Opt 3-stg FFL mast (NL/RL) Std 2-stg LFL mast (NL/RL)	mph (kph) ft/min (m/sec) ft/min (m/sec) ft/min (m/sec) ft/min (m/sec)	Standard performance 11.2/10.6 (18/17) 116/65 (0.59/0.33) 108/65 (0.55/0.33) 112/65 (0.57/0.33) 91/110 (0 73/102 (0	13/12.1 (21/19.5) 124/83 (0.63/0.42) 116/81 (0.59/0.41) 118/81 (0.60/0.41) .46/0.56) .37/0.52)
34 35 36 36 37 37	4 Travel speed (NL/RL) 5 Lift speed	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)	mph (kph) ft/min (m/sec) ft/min (m/sec) ft/min (m/sec) ft/min (m/sec) ft/min (m/sec)	Standard performance 11.2/10.6 (18/17) 116/65 (0.59/0.33) 108/65 (0.55/0.33) 112/65 (0.57/0.33) 91/110 (0	13/12.1 (21/19.5) 124/83 (0.63/0.42) 116/81 (0.59/0.41) 118/81 (0.60/0.41) .46/0.56) .37/0.52)
34 35 36 36 37 37	Travel speed (NL/RL) Lift speed Lower speed	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 (kph) ft/min (m/sec)	Standard performance 11.2/10.6 (18/17) 116/65 (0.59/0.33) 108/65 (0.55/0.33) 112/65 (0.57/0.33) 91/110 (0 73/102 (0 79/104 (0 34/22	13/12.1 (21/19.5) 124/83 (0.63/0.42) 116/81 (0.59/0.41) 118/81 (0.60/0.41) .46/0.56) .37/0.52) .40/0.53)
34 35 36 37 37	Travel speed (NL/RL) Lift speed Lower speed Gradeability	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) 60 minute rating (NL/RL)	mph (kph) ft/min (m/sec) % %	Standard performance 11.2/10.6 (18/17) 116/65 (0.59/0.33) 108/65 (0.55/0.33) 112/65 (0.57/0.33) 91/110 (0 73/102 (0 79/104 (0 34/22 11/7	13/12.1 (21/19.5) 124/83 (0.63/0.42) 116/81 (0.59/0.41) 118/81 (0.60/0.41) .46/0.56) .37/0.52) .40/0.53) 37/24 12/8
34 35 36 37 37	Travel speed (NL/RL) Lift speed Lower speed	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) 60 minute rating (NL/RL) 5 minute rating (NL/RL)	mph (kph) ft/min (m/sec) % % LBF	Standard performance 11.2/10.6 (18/17) 116/65 (0.59/0.33) 108/65 (0.55/0.33) 112/65 (0.57/0.33) 91/110 (0 73/102 (0 79/104 (0 34/22 11/7 4146/4037	13/12.1 (21/19.5) 124/83 (0.63/0.42) 116/81 (0.59/0.41) 118/81 (0.60/0.41) .46/0.56) .37/0.52) .40/0.53) 37/24 12/8 4477/4360
34 35 36 37 38	Travel speed (NL/RL) Lift speed Lower speed Gradeability Drawbar pull	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) 60 minute rating (NL/RL) 5 minute rating (NL/RL) 60 minute rating (NL/RL)	mph (kph) ft/min (m/sec) % %	Standard performance 11.2/10.6 (18/17) 116/65 (0.59/0.33) 108/65 (0.55/0.33) 112/65 (0.57/0.33) 91/110 (0 73/102 (0 79/104 (0 34/22 11/7 4146/4037 1256/1226	13/12.1 (21/19.5) 124/83 (0.63/0.42) 116/81 (0.59/0.41) 118/81 (0.60/0.41) .46/0.56) .37/0.52) .40/0.53) 37/24 12/8 4477/4360 1357/1321
34 35 36 37 37 38	Travel speed (NL/RL) Lift speed Lower speed Gradeability	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) 60 minute rating (NL/RL) 5 minute rating (NL/RL) 60 minute rating (NL/RL) Method of control (service/parking)	mph (kph) ft/min (m/sec) % % LBF	Standard performance 11.2/10.6 (18/17) 116/65 (0.59/0.33) 108/65 (0.55/0.33) 112/65 (0.57/0.33) 91/110 (0 73/102 (0 79/104 (0 34/22 11/7 4146/4037 1256/1226 Hydraulic/n	13/12.1 (21/19.5) 124/83 (0.63/0.42) 116/81 (0.59/0.41) 118/81 (0.60/0.41) .46/0.56) .37/0.52) .40/0.53) 37/24 12/8 4477/4360 1357/1321 nechanical
34 35 36 37 38 38	Travel speed (NL/RL) Lift speed Lower speed Gradeability Brake	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) 60 minute rating (NL/RL) 5 minute rating (NL/RL) 60 minute rating (NL/RL) Method of control (service/parking) Method of operation (service/parking)	mph (kph) ft/min (m/sec) % % LBF	Standard performance 11.2/10.6 (18/17) 116/65 (0.59/0.33) 108/65 (0.55/0.33) 112/65 (0.57/0.33) 91/110 (0 73/102 (0 79/104 (0 34/22 11/7 4146/4037 1256/1226 Hydraulic/n Foot/aut	13/12.1 (21/19.5) 124/83 (0.63/0.42) 116/81 (0.59/0.41) 118/81 (0.60/0.41) .46/0.56) .37/0.52) .40/0.53) 37/24 12/8 4477/4360 1357/1321 nechanical
34 35 36 37 38 38	Travel speed (NL/RL) Lift speed Lower speed Gradeability Drawbar pull Brake Battery compartment by	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) 60 minute rating (NL/RL) 60 minute rating (NL/RL) 60 minute rating (NL/RL) Method of control (service/parking) Method of operation (service/parking)	mph (kph) ft/min (m/sec) % LBF LBF	Standard performance 11.2/10.6 (18/17) 116/65 (0.59/0.33) 108/65 (0.55/0.33) 112/65 (0.57/0.33) 91/110 (0 73/102 (0 79/104 (0 34/22 11/7 4146/4037 1256/1226 Hydraulic/n Foot/aut Lithiur	13/12.1 (21/19.5) 124/83 (0.63/0.42) 116/81 (0.59/0.41) 118/81 (0.60/0.41) .46/0.56) .37/0.52) .40/0.53) 37/24 12/8 4477/4360 1357/1321 mechanical tomatic m-ion
34 35 36 37 38 38 39	Travel speed (NL/RL) Lift speed Lower speed Gradeability Drawbar pull Brake Battery compartment to Battery voltage (nominal	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) 60 minute rating (NL/RL) 5 minute rating (NL/RL) 60 minute rating (NL/RL) Method of control (service/parking) Method of operation (service/parking) //pe	mph (kph) ft/min (m/sec) % LBF LBF	Standard performance 11.2/10.6 (18/17) 116/65 (0.59/0.33) 108/65 (0.55/0.33) 112/65 (0.57/0.33) 91/110 (0 73/102 (0 79/104 (0 34/22 11/7 4146/4037 1256/1226 Hydraulic/n Foot/aut Lithiur 80/4	13/12.1 (21/19.5) 124/83 (0.63/0.42) 116/81 (0.59/0.41) 118/81 (0.60/0.41) .46/0.56) .37/0.52) .40/0.53) 37/24 12/8 4477/4360 1357/1321 nechanical tomatic m-ion 420
34 35 36 37 38 39	Travel speed (NL/RL) Lift speed Lower speed General Speed Travel speed (NL/RL) Lift speed Comparison of the speed Travel speed (NL/RL) Battery speed Battery compartment to the speed (NL/RL) Battery compartment to the speed (NL/RL) Traction motors (dual)	Opt 2-stg FFL mast (NL/RL) Opt 3-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) 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/parking) Method of operation (service/parking) //pe al capacity) 60 minute rating (each)	mph (kph) ft/min (m/sec) % LBF LBF V/ah hp (kW)	Standard performance 11.2/10.6 (18/17) 116/65 (0.59/0.33) 108/65 (0.55/0.33) 112/65 (0.57/0.33) 91/110 (0 73/102 (0 79/104 (0 34/22 11/7 4146/4037 1256/1226 Hydraulic/n Foot/aut Lithiur 80/4 13.4 (10)	13/12.1 (21/19.5) 124/83 (0.63/0.42) 116/81 (0.59/0.41) 118/81 (0.60/0.41) .46/0.56) .37/0.52) .40/0.53) 37/24 12/8 4477/4360 1357/1321 nechanical tomatic m-ion 420 13.4 (10)
34 35 36 36 38 39 40	Travel speed (NL/RL) Lift speed Lower speed General Evaluation of the speed Travel speed (NL/RL) Lift speed Lower speed Tradeability Brake Battery compartment to Battery voltage (nomina Traction motors (dual) Pump motor - 15 minu	Opt 2-stg FFL mast (NL/RL) Opt 3-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) 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/parking) Method of operation (service/parking) //pe al capacity) 60 minute rating (each) te rating	mph (kph) ft/min (m/sec) % LBF LBF	Standard performance 11.2/10.6 (18/17) 116/65 (0.59/0.33) 108/65 (0.55/0.33) 112/65 (0.57/0.33) 91/110 (0 73/102 (0 79/104 (0 34/22 11/7 4146/4037 1256/1226 Hydraulic/n Foot/aut Lithiur 80/4 13.4 (10) 21.5 (16)	13/12.1 (21/19.5) 124/83 (0.63/0.42) 116/81 (0.59/0.41) 118/81 (0.60/0.41) .46/0.56) .37/0.52) .40/0.53) 37/24 12/8 4477/4360 1357/1321 nechanical tomatic m-ion 420 13.4 (10) 32.2 (24)
34 35 35 36 37 37 38 39 40 41 42 42 43 43 44 43	Travel speed (NL/RL) Lift speed Lower speed General Example 1 Battery compartment to Battery voltage (nomina Traction motors (dual) Pump motor - 15 minus Traction motors (type/example 1) Traction motors (type/example 2)	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) 60 minute rating (NL/RL) 60 minute rating (NL/RL) Method of control (service/parking) Method of operation (service/parking) /pe al capacity) 60 minute rating (each) te rating control method)	mph (kph) ft/min (m/sec) % LBF LBF V/ah hp (kW)	Standard performance 11.2/10.6 (18/17) 116/65 (0.59/0.33) 108/65 (0.55/0.33) 112/65 (0.57/0.33) 91/110 (0 73/102 (0 79/104 (0 34/22 11/7 4146/4037 1256/1226 Hydraulic/n Foot/aut Lithiur 80/4 13.4 (10) 21.5 (16) Dual AC/t	13/12.1 (21/19.5) 124/83 (0.63/0.42) 116/81 (0.59/0.41) 118/81 (0.60/0.41) .46/0.56) .37/0.52) .40/0.53) 37/24 12/8 4477/4360 1357/1321 nechanical tomatic m-ion 420 13.4 (10) 32.2 (24) ransistor
36 35 36 37 38 38 38 39 40 41 42 42 43 44 44 44	Travel speed (NL/RL) Lift speed Lower speed Cradeability Brake Battery compartment ty Battery voltage (nomina Traction motors (dual) Pump motor - 15 minu Traction motors (type/ca) Pump motor (type/con	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) 5 minute rating (NL/RL) 60 minute rating (NL/RL) 60 minute rating (NL/RL) Method of control (service/parking) Method of operation (service/parking) //pe al capacity) 60 minute rating (each) ter rating control method)	mph (kph) ft/min (m/sec) % LBF LBF V/ah hp (kW)	Standard performance 11.2/10.6 (18/17) 116/65 (0.59/0.33) 108/65 (0.55/0.33) 112/65 (0.57/0.33) 91//10 (0 73/102 (0 79/104 (0 34/22 11/7 4146/4037 1256/1226 Hydraulic/n Foot/aut Lithiur 80/4 13.4 (10) 21.5 (16) Dual AC/tr	13/12.1 (21/19.5) 124/83 (0.63/0.42) 116/81 (0.59/0.41) 118/81 (0.60/0.41) .46/0.56) .37/0.52) .40/0.53) 37/24 12/8 4477/4360 1357/1321 nechanical tomatic m-ion 420 13.4 (10) 32.2 (24) ransistor
38 39 30 30 30 30 30 30 30 30 30 30 30 30 30	Travel speed (NL/RL) Lift speed Lower speed Lower speed Gradeability Brake Battery compartment to Battery voltage (nomina Traction motors (dual) Pump motor - 15 minu Traction motors (type/con Number of speeds (tra	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) 5 minute rating (NL/RL) 60 minute rating (NL/RL) 60 minute rating (NL/RL) Method of control (service/parking) Method of operation (service/parking) //pe al capacity) 60 minute rating (each) ter rating control method)	mph (kph) ft/min (m/sec) % LBF LBF V/ah hp (kW)	Standard performance 11.2/10.6 (18/17) 116/65 (0.59/0.33) 108/65 (0.55/0.33) 112/65 (0.57/0.33) 91/110 (0 73/102 (0 79/104 (0 34/22 11/7 4146/4037 1256/1226 Hydraulic/n Foot/aut Lithiur 80/4 13.4 (10) 21.5 (16) Dual AC/trar Infinitely variable/	13/12.1 (21/19.5) 124/83 (0.63/0.42) 116/81 (0.59/0.41) 118/81 (0.60/0.41) .46/0.56) .37/0.52) .40/0.53) 37/24 12/8 4477/4360 1357/1321 nechanical tomatic m-ion 420 13.4 (10) 32.2 (24) ransistor risistor infinitely variable
38 38 38 38 38 38 38 44 44 45 44 45 44 45	Travel speed (NL/RL) Lift speed Lower speed Lower speed Gadeability Battery compartment ty Battery voltage (nomina) Traction motors (dual) Pump motor - 15 minu Traction motors (type/co Pump motor (type/co Number of speeds (trad	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) 5 minute rating (NL/RL) 60 minute rating (NL/RL) 60 minute rating (NL/RL) Method of control (service/parking) Method of operation (service/parking) //pe al capacity) 60 minute rating (each) ter rating control method)	mph (kph) ft/min (m/sec) % LBF LBF V/ah hp (kW)	Standard performance 11.2/10.6 (18/17) 116/65 (0.59/0.33) 108/65 (0.55/0.33) 112/65 (0.57/0.33) 91//10 (0 73/102 (0 79/104 (0 34/22 11/7 4146/4037 1256/1226 Hydraulic/n Foot/aut Lithiur 80/4 13.4 (10) 21.5 (16) Dual AC/tr	13/12.1 (21/19.5) 124/83 (0.63/0.42) 116/81 (0.59/0.41) 118/81 (0.60/0.41) .46/0.56) .37/0.52) .40/0.53) 37/24 12/8 4477/4360 1357/1321 mechanical tomatic m-ion 420 13.4 (10) 32.2 (24) ransistor infinitely variable
38 38 38 38 38 38 38 38 38 38 38 38 38 3	Travel speed (NL/RL) Lift speed Lower speed Lower speed Gradeability Brake Battery compartment to Battery voltage (nomina Traction motors (dual) Pump motor - 15 minu Traction motors (type/con Number of speeds (tra	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) 5 minute rating (NL/RL) 60 minute rating (NL/RL) 60 minute rating (NL/RL) Method of control (service/parking) Method of operation (service/parking) //pe al capacity) 60 minute rating (each) ter rating control method)	mph (kph) ft/min (m/sec) % % LBF LBF V/ah hp (kW) hp (kW)	Standard performance 11.2/10.6 (18/17) 116/65 (0.59/0.33) 108/65 (0.55/0.33) 112/65 (0.57/0.33) 91/110 (0 73/102 (0 79/104 (0 34/22 11/7 4146/4037 1256/1226 Hydraulic/n Foot/aut Lithiur 80/4 13.4 (10) 21.5 (16) Dual AC/trar Infinitely variable/	13/12.1 (21/19.5) 124/83 (0.63/0.42) 116/81 (0.59/0.41) 118/81 (0.60/0.41) .46/0.56) .37/0.52) .40/0.53) 37/24 12/8 4477/4360 1357/1321 nechanical tomatic m-ion 420 13.4 (10) 32.2 (24) ransistor infinitely variable (475)
38 38 38 38 38 38 38 38 38 38 38 38 38 3	Travel speed (NL/RL) Lift speed Lower speed Lower speed Gadeability Battery compartment ty Battery voltage (nomina: Traction motors (dual) Pump motor - 15 minu Traction motors (type/con) Number of speeds (traction of speed	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) 60 minute rating (NL/RL) 60 minute rating (NL/RL) 60 minute rating (NL/RL) Method of control (service/parking) Method of operation (service/parking) //pe al capacity) 60 minute rating (each) te rating control method) trol method) trol method)	mph (kph) ft/min (m/sec) ft/min (m/sec) v/a LBF LBF LBF V/ah hp (kW) hp (kW) in (mm)	Standard performance 11.2/10.6 (18/17) 116/65 (0.59/0.33) 108/65 (0.55/0.33) 112/65 (0.57/0.33) 91/110 (0 73/102 (0 79/104 (0 34/22 11/7 4146/4037 1256/1226 Hydraulic/n Foot/aut Lithiur 80/4 13.4 (10) 21.5 (16) Dual AC/trar Infinitely variable/ 18.7 (13/12.1 (21/19.5) 124/83 (0.63/0.42) 116/81 (0.59/0.41) 118/81 (0.60/0.41) .46/0.56) .37/0.52) .40/0.53) 37/24 12/8 4477/4360 1357/1321 nechanical tomatic m-ion 420 13.4 (10) 32.2 (24) ransistor infinitely variable (475) (620)
35 35 35 35 35 35 35 35 35 35 35 35 35 3	Travel speed (NL/RL) Lift speed Lower speed Lower speed Gadeability Battery compartment ty Battery voltage (nomin: Traction motors (dual) Pump motor - 15 minu Traction motors (type/ca) Pump motor (type/ca) Number of speeds (trace) Lift speed (trace) Lift s	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) 60 minute rating (NL/RL) 60 minute rating (NL/RL) Method of control (service/parking) Method of operation (service/parking) //pe al capacity) 60 minute rating (each) te rating control method) trol method) stion/pump)	mph (kph) ft/min (m/sec) V/ah hp (kW) hp (kW) in (mm) in (mm)	Standard performance 11.2/10.6 (18/17) 116/65 (0.59/0.33) 108/65 (0.55/0.33) 112/65 (0.57/0.33) 91/110 (0 73/102 (0 79/104 (0 34/22 11/7 4146/4037 1256/1226 Hydraulic/n Foot/aut Lithiur 80/4 13.4 (10) 21.5 (16) Dual AC/tt AC/trar Infinitely variable/ 18.7 (24.4 (13/12.1 (21/19.5) 124/83 (0.63/0.42) 116/81 (0.59/0.41) 118/81 (0.60/0.41) .46/0.56) .37/0.52) .40/0.53) 37/24 12/8 4477/4360 1357/1321 nechanical tomatic m-ion 420 13.4 (10) 32.2 (24) ransistor infinitely variable (475) (620) (155)

The following chargers are approved to use with the J60XNL lithium-ion battery: Posicharge ProCORE (80V) – 10kW, 15kW, 20kW, or 30kW single cable EcoTec Fast Charge Access (80V) – 80-500-32FC or 80-650-32FC

NL = no load, RL = rated load

Above specifications, unless otherwise listed, are for a standard truck without optional equipment. Right angle stack and equal intersecting aisle are calculated using a 40" wide pallet.

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. Performance specifications are for a truck equipped as described under Standard Equipment on this Technical Guide. Performance specifications are affected by the condition of the vehicle and how it is equipped, as well as by the nature, condition of the operating area, proper service and maintenance of the vehicle. If these specifications are critical, the proposed application should be discussed with your dealer.

MAST DIMENSIONS | BATTERY SPECIFICATIONS | ONBOARD CHARGING

J50-60XNL 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 lb (kg)	
J50XNL	J60XNL	J50XNL	J60XNL	J50XNL	J60XNL	J50XNL	J60XNL	J50XNL	J60XNL	J50XNL	J60XNL	J50XNL	J60XNL
	2-STAGE LIMITED FREE-LIFT (LFL) VISTA MAST												
133 (3392)	126 (3209)	87 (2192)	87 (2192)	182 (4622)	175 (4444)	156 (3956)	152 (3861)	5 (140)	5 (150)	5 (150)	5 (150)	9540 (4330)	10400 (4720)
141 (3592)	134 (3409)	91 (2292)	91 (2292)	190 (4822)	183 (4644)	164 (4156)	160 (4061)	5 (140)	5 (150)	5 (150)	5 (150)	9580 (4350)	10430 (4730)
				1	2-STAGE F	ULL FREE-	LIFT (FFL)	VISTA MA	ST				
133 (3402)	126 (3210)	87 (2192)	87 (2192)	183 (4632)	175 (4445)	157 (3966)	152 (3862)	37 (962)	37 (957)	60 (1540)	60 (1540)	9580 (4350)	10430 (4730)
141 (3602)	134 (3410)	91 (2292)	91 (2292)	191 (4832)	183 (4645)	164 (4166)	160 (4062)	41 (1062)	41 (1057)	64 (1640)	64 (1640)	9620 (4365)	10470 (4750)
				;	3-STAGE F	ULL FREE-	LIFT (FFL)	VISTA MA	ST				
183 (4650)	181 (4618)	81 (2042)	85 (2142)	232 (5880)	231 (5853)	205 (5196)	207 (5252)	32 (812)	35 (907)	59 (1508)	59 (1508)	9770 (4435)	10760 (4885)
189 (4800)	187 (4768)	83 (2092)	89 (2242)	238 (6030)	237 (6003)	211 (5346)	213 (5402)	33 (862)	39 (1007)	63 (1608)	63 (1608)	9790 (4445)	10810 (4905)
194 (4950)	193 (4918)	85 (2142)	91 (2292)	244 (6180)	243 (6153)	217 (5496)	219 (5552)	35 (912)	41 (1057)	65 (1658)	65 (1658)	9810 (4455)	10830 (4920)
200 (5100)	205 (5218)	89 (2242)	95 (2392)	250 (6330)	255 (6453)	223 (5646)	231 (5852)	41 (1062)	45 (1157)	69 (1758)	69 (1758)	9850 (4470)	10890 (4945)
206 (5250)	217 (5518)	91 (2292)	101 (2542)	256 (6480)	266 (6753)	229 (5796)	243 (6152)	41 (1112)	51 (1307)	75 (1908)	75 (1908)	9890 (4490)	11070 (5052)
212 (5250)		93 (2342)		261 (6630)		235 (5946)		43 (1112)				9920 (4505)	

	J50XNI BAT	TERY RUN TIME				
	Application					
Battery size	Heavy	Medium	Light			
33.6kWh	6h 30m	9h15m	12h 30m			
25.2kWh	4h 45m	7h 0m	9h 15m			
16.8kWh	3h 15m	4h 30m	6h 15m			
	J60XNL BAT	TERY RUN TIME				
Pottory size	Application					
Battery size	Heavy	Medium	Light			
33.6kWh	5h 15m	7h 30m	10h 0m			
25.2kWh	4h 0m	5h 30m	7h 30m			
16.8kWh	2h 30m	3h 45m	5h 0m			
	J50-60XNL BAT	TERY CHARGE TIME				
Charger size		Battery size				
Gliaryer Size	33.6kWh	25.2kWh	16.8kWh			
30kW	1h 15m	1h 0m*	1h 0m*			
20kW	1h 45m	1h 15m	1h 0m*			
15kW	2h 15m	1h 45m	1h 15m			
10kW	3h 30m	2h 45m	1h 45m			

Note: Run time is from 100% to lift-lock out. Charge time is from lift-lock out to 100%. Charge times with * are limited to 1C charging (i.e. cannot charge faster than 1 hour).

ONBOARD CHARGING							
ONBOARD CHARGE TIME							
Channanaire	Battery size						
Charger size	33.6kWh	25.2kWh	16.8kWh				
6kW (240V outlet)	5h 10m	3h 55m	2h 35m				
1.4kW (120V outlet)	22h 5m	16h 35m	11h 5m				
BATTERY RECH	ARGE TIME FOLL	OWING 1 HOUR O	FOPERATION				
Charger size	Application	on					
Gliaryer Size	Heavy	Medium	Light				
6kW (240V outlet)	1h 10m	0h 40m	0h 30m				
1.4kW (120V outlet)	4h 30m	3h 10m	2h 20m				

The battery run time and battery charge time tables are a helpful guide to visualize the truck run time with different batteries in different applications. (The tables are a guide only and not a replacement for a site survey and full power study.)

 $\label{eq:heavy-High throughput, typically runs full capacity, runs either attachments or has high lifts$

Medium – High throughput, runs near capacity without attachments or high lifts

Light – Lower throughput, runs less than rated capacity without attachments or high lifts

The onboard charging option allows integrated lithium-ion forklifts to be charged via commonly available infrastructure without any facility equipment. Ideal for applications with limited charging options or those with the downtime for slower charging due to lower hour usage.

FEATURES AND OPTIONS

	1	
PERFORMANCE	STD	OPT
80V electrical system	Х	
33.6kWh (80V @ 420Ah) battery	Х	
25.2kWh (80V @ 315Ah) battery		Х
16.8kWh (80V @ 210Ah) battery		Х
Standard performance	Х	
Dual drive motors	Х	
Oil-cooled wet disc brakes	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	
"Zero turn" steer axle	Х	
Premium Performance Package		Х
Reverse Speed System		Х
Onboard charging	ATD	X
DRIVE	STD	ОРТ
Pneumatic drive tire and steer tire	Х	
Solid pneumatic tires		X
Wide tread tires	CTD	X
LIFT 2. stage limited free lift (LEL) Hi VieTM2 meet with maximum fark	STD	OPT
2-stage limited free lift (LFL) Hi-Vis™2 mast with maximum fork height of 126" (3209 mm)	X	
Mast tilt option – 5° forward/5° back	Х	
2-stage full free lift (FFL) Hi-Vis™ mast		Х
3-stage full free lift (FFL) Hi-Vis™2 mast		Х
4-stage full free lift (FFL) Hi-Vis™ mast		Х
Mast tilt option – 10° forward/5° back		Х
Mant tilt antion		
Mast tilt option – 5° forward/4° back		Х
HANDLING	STD	X OPT
	STD X	
HANDLING 42" (1067 mm) wide class III hook-type carriage with 48"		
HANDLING 42" (1067 mm) wide class III hook-type carriage with 48" (1219 mm) high load backrest extension	х	
HANDLING 42" (1067 mm) wide class III hook-type carriage with 48" (1219 mm) high load backrest extension 42" (1067 mm) long forks	х	OPT
HANDLING 42" (1067 mm) wide class III hook-type carriage with 48" (1219 mm) high load backrest extension 42" (1067 mm) long forks Carriage with integral sideshift	х	OPT
HANDLING 42" (1067 mm) wide class III hook-type carriage with 48" (1219 mm) high load backrest extension 42" (1067 mm) long forks Carriage with integral sideshift Carriage with integral sideshifting fork positioner	х	OPT × x
HANDLING 42" (1067 mm) wide class III hook-type carriage with 48" (1219 mm) high load backrest extension 42" (1067 mm) long forks Carriage with integral sideshift Carriage with integral sideshifting fork positioner Return to set tilt	х	X X X
HANDLING 42" (1067 mm) wide class III hook-type carriage with 48" (1219 mm) high load backrest extension 42" (1067 mm) long forks Carriage with integral sideshift Carriage with integral sideshifting fork positioner Return to set tilt Accumulator	х	X X X X
HANDLING 42" (1067 mm) wide class III hook-type carriage with 48" (1219 mm) high load backrest extension 42" (1067 mm) long forks Carriage with integral sideshift Carriage with integral sideshifting fork positioner Return to set tilt Accumulator Load weight indicator	х	X X X X
HANDLING 42" (1067 mm) wide class III hook-type carriage with 48" (1219 mm) high load backrest extension 42" (1067 mm) long forks Carriage with integral sideshift Carriage with integral sideshifting fork positioner Return to set tilt Accumulator Load weight indicator Hydraulic attachment extension tubes with or without quick	х	X X X X
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HANDLING 42" (1067 mm) wide class III hook-type carriage with 48" (1219 mm) high load backrest extension 42" (1067 mm) long forks Carriage with integral sideshift Carriage with integral sideshifting fork positioner Return to set tilt Accumulator Load weight indicator Hydraulic attachment extension tubes with or without quick Disconnect fittings ERGONOMICS 12" steering wheel with integral spinner knob Non-suspension vinyl seat Automatic park brake	X X STD X	X X X X X
HANDLING 42" (1067 mm) wide class III hook-type carriage with 48" (1219 mm) high load backrest extension 42" (1067 mm) long forks Carriage with integral sideshift Carriage with integral sideshifting fork positioner Return to set tilt Accumulator Load weight indicator Hydraulic attachment extension tubes with or without quick Disconnect fittings ERGONOMICS 12" steering wheel with integral spinner knob Non-suspension vinyl seat	X X STD X X	X X X X X
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HANDLING 42" (1067 mm) wide class III hook-type carriage with 48" (1219 mm) high load backrest extension 42" (1067 mm) long forks Carriage with integral sideshift Carriage with integral sideshifting fork positioner Return to set tilt Accumulator Load weight indicator Hydraulic attachment extension tubes with or without quick Disconnect fittings ERGONOMICS 12" steering wheel with integral spinner knob Non-suspension vinyl seat Automatic park brake MONOTROL® foot direction control TouchPoint mini levers with fully adjustable armrest On-demand power steering Power assist braking Auto Deceleration System with regenerative braking Multifunction display Easy ingress/egress with low step height, floor and contoured handhold Operator convenience station Adjustable tilt steering column with low profile cowl for excellent visibility	X X X X X X X X X X X X X X	X X X X X
HANDLING 42" (1067 mm) wide class III hook-type carriage with 48" (1219 mm) high load backrest extension 42" (1067 mm) long forks Carriage with integral sideshift Carriage with integral sideshifting fork positioner Return to set tilt Accumulator Load weight indicator Hydraulic attachment extension tubes with or without quick Disconnect fittings ERGONOMICS 12" steering wheel with integral spinner knob Non-suspension vinyl seat Automatic park brake MONOTROL® foot direction control TouchPoint mini levers with fully adjustable armrest On-demand power steering Power assist braking Auto Deceleration System with regenerative braking Multifunction display Easy ingress/egress with low step height, floor and contoured handhold Operator convenience station Adjustable tilt steering column with low profile cowl for excellent	X X X X X X X X X X X X X X X X X X X	X X X X X

ERGONOMICS (continued)	STD	OPT
Seatside power disconnect button	Х	
Non-suspension seat (cloth)		Х
Full suspension seat (vinyl or cloth)		Х
Air-ride suspension seat (vinyl or cloth)		Х
Swivel seat, full suspension (vinyl or cloth)		Х
Seat side directional control		Х
Telescopic steering column with tilt memory		Х
LED and halogen work light packages		Х
LED dome/reading light		Х
LED brake/tail/back-up light packages		Х
Rear drive handle with integrated horn button		Х
Side view mirrors		Х
Synchronous steering		Х
Red (HI-VIS) ELR (emergency locking retractor) non-cinch seat belt		Х
Red (HI-VIS) ELR (emergency locking retractor) non-cinch seat belt with start interlock		Х
Low mount display		Х
OPERATION	STD	OPT
Standard construction	Х	
Black ELR non-cinch seat belt	Х	
Key switch start	Х	
86.3" grid style overhead guard	х	
3 function hydraulic control valve	х	
Fully integrated CANbus communication	х	
Operator presence system (OPS)	х	
Static strap	х	
Tow pin	х	
On-board software: program, test & diagnose; password protected	х	
Electronic horn with integral relay (long life/no adjustments)	х	
4 function hydraulic control valve		х
Front and top cab panels: includes front panel with wiper/washer and top panel		х
Keyless start (with auxiliary key switch)		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		х
Filter service indicator		х
Fire extinguisher – 2.5 lb. dry chemical		Х
IP54 sealed drive axle/motors with belly pan and side shields	х	
Outdoor protection/wash-down package	Х	
Front mud guards	х	
Tilt cylinder boots		х
Hyster Reaction™		х
	STD	ОРТ
SUPPLEMENTAL		
SUPPLEMENTAL 12 month/2,000 hour full truck warranty	х	
	X X	
12 month/2,000 hour full truck warranty		





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