

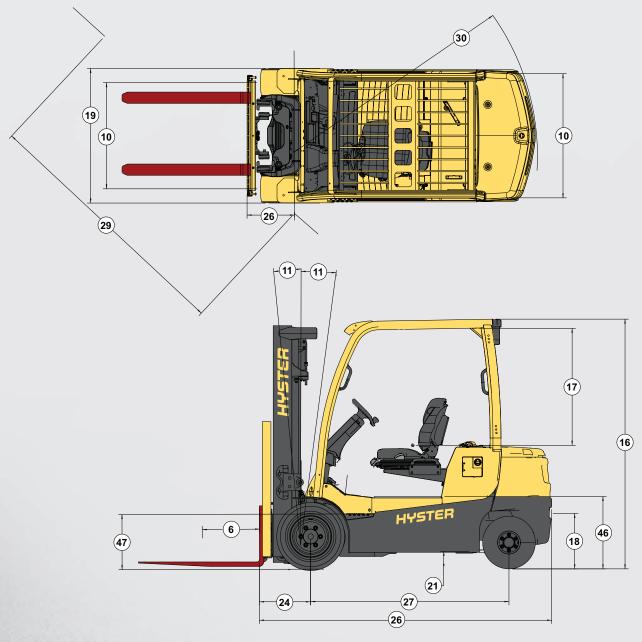


J50-60XNL INTEGRATED LITHIUM-ION TECHNICAL GUIDE

STRONG PARTNERS.
TOUGH TRUCKS.™

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# > J50-60XNL DIMENSIONS



J50-60XNL MAST DIMENSIONS													
Maximum Fork Height (TOF) in (mm)		Overall Lowered Ht. 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 Ib (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)
	2-STAGE FULL FREE-LIFT (FFL) VISTA MAST												
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 FULL FREE-LIFT (FFL) VISTA MAST												
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)	

## J50-60XNL SPECIFICATIONS <



ألاكه	1	Manufacturer			Hy	/ster	Hy	yster	
_ 2		Model designation			J50XNL		J60XNL		
GENERAL		ower / voltage			Electric / 80 volts		Electric / 80 volts		
		Operation			Sit		Sit		
5		Rated capacity	lb (kg)	5000 (2268)		6000 (2722)			
		oad center		in (mm)	24 (610)		24 (610)		
17		re type (std / opt)		()	Pneumatic / pneumatic shaped solid		Pneumatic / pneumatic shaped solid		
		ire size (drive/steer)		in	23x10-12 / 18x7-8		23x10-12 / 18x7-8		
7 I	_	/heels - number X=driven (drive / steer)		front/rear		X/2	2X/2		
		read (center of tires) (std dr / wide dr / steer)		in (mm)		(938 / 1054 / 992)	36.9 / 41.5 / 39.1 (938 / 1054 / 992)		
		last tilt (std / opt / opt) (forward / rearward)		degrees		0/5 5/6	5/5 10/5 5/6		
		Mast - Iowered height (std mast)		in (mm)		2192)		(2192)	
- 1		Free lift - top of fork	Std 2 std limited free lift mast	in (mm)		140)	,	(140)	
	Ť	Troo me top or lone	Op 2 stg full free lift mast with / without LBR	in (mm)	,	962 / 1628)		957 / 1540)	
1	4	Lift height - top of fork	Std 2 stg limited free lift mast	in (mm)	,	(3392)	,	(3209)	
		Mast - extended height (std mast		in (mm)		4622 / 3956)		(4444 / 3861)	
- ⊨		Overhead guard height	· mai / maioat 2511/	in (mm)	,	(2193)		(2193)	
			o bottom of OHG (seat depressed) (std / susp / air ride)			(938 / 1054 / 992)	36.9 / 41.5 / 39.1 (938 / 1054 / 992)		
		Tow pin height (vertical center of	, ,	in (mm)		(262)		3 (262)	
		Overall width	Pneumatic tires (std / wide tread)	in (mm)		(1192 / 1308)		(1192 / 1308)	
		=::::::::::::::::::::::::::::::::::	PSS tires (std / wide tread)	in (mm)		(1173 / 1289)		(1173 / 1289)	
$\frac{1}{5}$	20	Forks (thickness x width x length		in (mm)		40 x 100 x 1067)		50 x 125 x 1067)	
2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		andard carriage width		in (mm) 42 (1067)			42 (1067)		
2	2	Ground clearance - lowest point	(NL / RL)	in (mm)	,	3 (98 / 83)		3 (98 / 83)	
$\frac{1}{2}$		round clearance - center of truck (NL / RL)		in (mm)		(137 / 134)	5.4 / 5.3 (137 / 134)		
		oad distance (center of wheel to face of forks)		in (mm)	15.9 (404)		16.4 (416)		
2		,		in (mm)			12.6 (320)		
		Width		in (mm)	29.1 (738)		29.1 (738)		
		Length - nominal		Size	34		34		
	Length - actual		Length - actual	in (mm)	39.4 (1000)		39.4 (1000)		
2	:6	Length to face of forks		in (mm)	97 (	2465)	100.5 (2555)		
2	7	Wheelbase		in (mm)	68.9	(1750)	68.9	(1750)	
2	!8	ight angle stack		in (mm)	146.7	(3727)	149.3	3 (3793)	
2	9	Equal aisle (90° intersecting aisle)		in (mm)	80.5	(2045)	81.7	(2074)	
3	0	Outside turing radius		in (mm)	81.6	(2073)	84.2	(2139)	
			weight (without battery - no load)			(00.45)			
3	1	Truck weight (without battery - n	0 1030)	lb (kg)	8680	(3945)	9540	(4340)	
. 3 3		Truck weight (without battery - no Axle loading - drive - static with		lb (kg) lb (kg)	4855 (2205)	/ 13270 (6020)		(4340) / 15150 (6886)	
<u>≓</u> 3	2		max weight battery (NL / RL)	,	4855 (2205) 4680 (2125	/ <mark>13270 (6020)</mark> ) / 1765 (800)	5645 (2566) 5630 (2559	/ 15150 (6886) ) / 2125 (966)	
3 3	33	Axle loading - drive - static with Axle loading - steer - static with	max weight battery (NL / RL)	lb (kg)	4855 (2205) 4680 (2125 Standard performance	/ 13270 (6020) ) / 1765 (800) PowerPlus performance	5645 (2566) 5630 (2559 Standard performance	/ <mark>15150 (6886)</mark> ) / 2125 (966) PowerPlus performance	
3 3 3	33 34	Axle loading - drive - static with Axle loading - steer - static with  Travel speed (NL / RL)	max weight battery (NL / RL) max weight battery (NL / RL)	Ib (kg) Ib (kg) mph (kph)	4855 (2205) 4680 (2125 Standard performance 11.2 / 11.2 (18 / 18)	/ 13270 (6020) ) / 1765 (800) PowerPlus performance 13 / 13 (21 / 21)	5645 (2566) 5630 (2559 Standard performance 11.2 / 10.6 (18 / 17)	/ 15150 (6886) ) / 2125 (966) PowerPlus performance 13 / 12.1 (21 / 19.5)	
3 3 3	33 34	Axle loading - drive - static with Axle loading - steer - static with	max weight battery (NL / RL) max weight battery (NL / RL) Std 2 stg LFL mast (NL / RL)	Ib (kg) Ib (kg)  mph (kph) ft/min (m/sec)	4855 (2205) 4680 (2125) Standard performance 11.2 / 11.2 (18 / 18) 124 / 75 (0.63 / 0.38)	/ 13270 (6020) ) / 1765 (800) PowerPlus performance 13 / 13 (21 / 21) 142 / 96 (0.72 / 0.49)	5645 (2566) 5630 (2559) Standard performance 11.2 / 10.6 (18 / 17) 116 / 65 (0.59 / 0.33)	/ 15150 (6886) ) / 2125 (966) PowerPlus performance 13 / 12.1 (21 / 19.5) 124 / 83 (0.63 / 0.42)	
3 3 3	33 34	Axle loading - drive - static with Axle loading - steer - static with  Travel speed (NL / RL)	max weight battery (NL / RL) max weight battery (NL / RL)  Std 2 stg LFL mast (NL / RL)  Opt 2 stg FFL mast (NL / RL)	Ib (kg) Ib (kg)  mph (kph) ft/min (m/sec) ft/min (m/sec)	4855 (2205) 4680 (2125 Standard performance 11.2 / 11.2 (18 / 18) 124 / 75 (0.63 / 0.38) 124 / 77 (0.63 / 0.39)	/ 13270 (6020) / 1765 (800) PowerPlus performance 13 / 13 (21 / 21) 142 / 96 (0.72 / 0.49) 130 / 93 (0.66 / 0.47)	5645 (2566) 5630 (2559) Standard performance 11.2 / 10.6 (18 / 17) 116 / 65 (0.59 / 0.33) 108 / 65 (0.55 / 0.33)	/ 15150 (6886) ) / 2125 (966) PowerPlus performance 13 / 12.1 (21 / 19.5) 124 / 83 (0.63 / 0.42) 116 / 81 (0.59 / 0.41)	
3 3 3	3 3 34 35	Axle loading - drive - static with Axle loading - steer - static with  Travel speed (NL / RL) Lift speed	max weight battery (NL / RL) 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)  mph (kph) ft/min (m/sec) ft/min (m/sec) ft/min (m/sec)	4855 (2205) 4680 (2125) Standard performance 11.2 / 11.2 (18 / 18) 124 / 75 (0.63 / 0.39) 124 / 77 (0.63 / 0.39)	/ 13270 (6020) / 1765 (800) PowerPlus performance 13 / 13 (21 / 21) 142 / 96 (0.72 / 0.49) 130 / 93 (0.66 / 0.47) 134 / 94 (0.68 / 0.48)	5645 (2566) 5630 (2559) 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)	/ 15150 (6886) ) / 2125 (966) PowerPlus performance 13 / 12.1 (21 / 19.5) 124 / 83 (0.63 / 0.42) 116 / 81 (0.59 / 0.41) 118 / 81 (0.60 / 0.41)	
3 3 3	3 3 34 35	Axle loading - drive - static with Axle loading - steer - static with  Travel speed (NL / RL)	max weight battery (NL / RL) 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)  mph (kph) ft/min (m/sec) ft/min (m/sec) ft/min (m/sec) ft/min (m/sec)	4855 (2205) 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)	/ 13270 (6020) / 1765 (800) 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)	5645 (2566) 5630 (2559) 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 (	/ 15150 (6886) ) / 2125 (966)  PowerPlus performance 13 / 12.1 (21 / 19.5) 124 / 83 (0.63 / 0.42) 116 / 81 (0.59 / 0.41) 118 / 81 (0.60 / 0.41) 0.46 / 0.56)	
3 3 3	3 3 34 35	Axle loading - drive - static with Axle loading - steer - static with  Travel speed (NL / RL) Lift speed	max weight battery (NL / RL) 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)	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)	4855 (2205) 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 91 / 106 (	/ 13270 (6020) / 1765 (800) 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)	5645 (2566) 5630 (2559) 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 (	/ 15150 (6886) ) / 2125 (966)  PowerPlus performance 13 / 12.1 (21 / 19.5) 124 / 83 (0.63 / 0.42) 116 / 81 (0.59 / 0.41) 118 / 81 (0.60 / 0.41) 0.46 / 0.56) 0.37 / 0.52)	
3 3 3	32 33 34 35 86	Axle loading - drive - static with Axle loading - steer - static with Travel speed (NL / RL) Lift speed Lower speed	max weight battery (NL / RL) 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)	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)	4855 (2205) 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 91 / 106 (	/ 13270 (6020) / 1765 (800) 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)	5645 (2566) 5630 (2559) 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 ( 73 / 102 ( 79 / 104 (	/ 15150 (6886) ) / 2125 (966)  PowerPlus performance 13 / 12.1 (21 / 19.5) 124 / 83 (0.63 / 0.42) 116 / 81 (0.59 / 0.41) 118 / 81 (0.60 / 0.41) 0.46 / 0.56) 0.37 / 0.52) 0.40 / 0.53)	
3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	32 33 34 35 86	Axle loading - drive - static with Axle loading - steer - static with  Travel speed (NL / RL) Lift speed	max weight battery (NL / RL)  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)  mph (kph) ft/min (m/sec)	4855 (2205) 4680 (2125) Standard performance 11.2/11.2 (18 / 18) 124 / 75 (0.63 / 0.39) 124 / 77 (0.63 / 0.39) 100 / /112 91 / 106 ( 93 / 108 (	713270 (6020) 71765 (800) 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	5645 (2566) 5630 (2559) 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 73 / 102 ( 79 / 104 (	/ 15150 (6886) ) / 2125 (966) PowerPlus performance 13 / 12.1 (21 / 19.5) 124 / 83 (0.63 / 0.42) 116 / 81 (0.59 / 0.41) 118 / 81 (0.60 / 0.41) 0.46 / 0.56) 0.37 / 0.52) (0.40 / 0.53) 37 / 24	
	32 33 34 35 36 37	Axle loading - drive - static with Axle loading - steer - static with Travel speed (NL / RL) Lift speed Lower speed Gradeability	max weight battery (NL / RL)  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)	Ib (kg) Ib (kg) Ib (kg)  mph (kph) ft/min (m/sec) %	4855 (2205) 4680 (2125) Standard performance 11.2/11.2 (18 / 18) 124 / 75 (0.63 / 0.39) 124 / 77 (0.63 / 0.39) 100 / 112 91 / 106 93 / 108 ( 35 / 24 12 / 8	/13270 (6020) / 1765 (800)  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	5645 (2566) 5630 (2559) 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 73 / 102 ( 79 / 104 ( 34 / 22 11 / 7	/ 15150 (6886) ) / 2125 (966)  PowerPlus performance 13 / 12.1 (21 / 19.5) 124 / 83 (0.63 / 0.42) 116 / 81 (0.59 / 0.41) 118 / 81 (0.60 / 0.41) 0.46 / 0.56) 0.37 / 0.52) 0.40 / 0.53) 37 / 24 12 / 8	
	32 33 34 35 36	Axle loading - drive - static with Axle loading - steer - static with  Travel speed (NL / RL) Lift speed  Lower speed	max weight battery (NL / RL)  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)  5 minute rating (NL / RL)  5 minute rating (NL / RL)	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) % % Ibf	4855 (2205) 4680 (2125) Standard performance 11.2 / 11.2 (18 / 18) 124 / 77 (0.63 / 0.39) 124 / 77 (0.63 / 0.39) 100 / 112 91 / 106 ( 93 / 108 ( 35 / 24 12 / 8 4248 / 4148	713270 (6020) 71765 (800) 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	5645 (2566) 5630 (2559) 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 ( 73 / 102 ( 79 / 104 ( 34 / 22 11 / 7 4146 / 4037	/ 15150 (6886) ) / 2125 (966)  PowerPlus performance 13 / 12.1 (21 / 19.5) 124 / 83 (0.63 / 0.42) 116 / 81 (0.59 / 0.41) 118 / 81 (0.60 / 0.41) 0.46 / 0.56) 0.37 / 0.52) 0.40 / 0.53) 37 / 24 12 / 8 4477 / 4360	
PERFURIMANCE WIT	32 33 34 35 35 37	Axle loading - drive - static with Axle loading - steer - static with Travel speed (NL / RL) Lift speed  Lower speed  Gradeability  Drawbar pull	max weight battery (NL / RL)  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)  5 minute rating (NL / RL)  60 minute rating (NL / RL)  60 minute rating (NL / RL)	Ib (kg) Ib (kg) Ib (kg)  mph (kph) ft/min (m/sec) %	4855 (2205) 4680 (2125) Standard performance 11.2 / 11.2 (18 / 18) 124 / 75 (0.63 / 0.39) 124 / 77 (0.63 / 0.39) 100 / 112 91 / 106 ( 93 / 108 ( 35 / 24 12 / 8 4248 / 4148 1287 / 1257	713270 (6020) 71765 (800) 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	5645 (2566) 5630 (2559) 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 ( 73 / 102 ( 79 / 104 ( 34 / 22 11 / 7 4146 / 4037 1256 / 1226	/ 15150 (6886) ) / 2125 (966)  PowerPlus performance 13 / 12.1 (21 / 19.5) 124 / 83 (0.63 / 0.42) 116 / 81 (0.59 / 0.41) 118 / 81 (0.60 / 0.41) 0.46 / 0.56) 0.37 / 0.52) 0.40 / 0.53) 37 / 24 12 / 8 4477 / 4360 1357 / 1321	
3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	32 33 34 35 35 37	Axle loading - drive - static with Axle loading - steer - static with Travel speed (NL / RL) Lift speed Lower speed Gradeability	max weight battery (NL / RL)  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)  Method of control (service / parking)	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) % % Ibf	4855 (2205) 4680 (2125) Standard performance 11.2 / 11.2 (18 / 18) 124 / 75 (0.63 / 0.38) 124 / 77 (0.63 / 0.39) 100 / 112 91 / 106 ( 93 / 108 ( 35 / 24 12 / 8 4248 / 4148 1287 / 1257 Hydraulic	713270 (6020) 71765 (800) 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	5645 (2566) 5630 (2559) 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 ( 73 / 102 ( 79 / 104 ( 34 / 22 11 / 7 4146 / 4037 1256 / 1226 Hydraulic	/ 15150 (6886) ) / 2125 (966)  PowerPlus performance 13 / 12.1 (21 / 19.5) 124 / 83 (0.63 / 0.42) 116 / 81 (0.59 / 0.41) 118 / 81 (0.60 / 0.41) 0.46 / 0.56) 0.37 / 0.52) 0.40 / 0.53) 37 / 24 12 / 8 4477 / 4360 1357 / 1321 / mechanical	
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3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	32 33 34 35 35 37 38 88	Axle loading - drive - static with Axle loading - steer - static with Travel speed (NL / RL) Lift speed  Lower speed  Gradeability  Drawbar pull  Brake  Battery compartment type	max weight battery (NL / RL)  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)  60 minute rating (NL / RL)  Method of control (service / parking)  Method of operation (service / parking)	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) % Ibf Ibf	4855 (2205) 4680 (2125) Standard performance 11.2/11.2 (18/18) 124/75 (0.63/0.38) 124/77 (0.63/0.39) 100/112 91/106 ( 93/108 ( 35/24 12/8 4248/4148 1287/1257 Hydraulic, Foot/a	713270 (6020) 71765 (800) 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 automatic um-ion	5645 (2566) 5630 (2559) 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 ( 73 / 102 ( 79 / 104 ( 34 / 22 11 / 7 4146 / 4037 1256 / 1226 Hydraulic Foot / 3 Lithii	/ 15150 (6886) ) / 2125 (966)  PowerPlus performance 13 / 12.1 (21 / 19.5) 124 / 83 (0.63 / 0.42) 116 / 81 (0.59 / 0.41) 118 / 81 (0.60 / 0.41) 0.37 / 0.52) 0.40 / 0.53) 37 / 24 12 / 8 4477 / 4360 1357 / 1321 / mechanical automatic um-ion	
3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	33 34 35 36 37 38 39	Axle loading - drive - static with Axle loading - steer - static with Travel speed (NL / RL) Lift speed  Lower speed  Gradeability  Drawbar pull  Brake  Battery compartment type Battery voltage (nominal capacity	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)  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)  Method of control (service / parking)  Method of operation (service / parking)	Ib (kg) Ib (kg) Ib (kg)  mph (kph) ft/min (m/sec) % Ibf Ibf V/ah	4855 (2205) 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 91 / 106 ( 93 / 108 () 35 / 24 12 / 8 4248 / 4148 1287 / 1257 Hydraulic Foot / a Lithii	713270 (6020) 71765 (800) 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 automatic cum-ion / 360	5645 (2566) 5630 (2559) 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 ( 73 / 102 ( 79 / 104 ( 34 / 22 11 / 7 4146 / 4037 1256 / 1226 Hydraulic Foot / 3 Lithii 83	/ 15150 (6886) ) / 2125 (966)  PowerPlus performanc 13 / 12.1 (21 / 19.5) 124 / 83 (0.63 / 0.42) 116 / 81 (0.59 / 0.41) 118 / 81 (0.60 / 0.41) 0.46 / 0.56) 0.37 / 0.52) 0.40 / 0.53) 37 / 24 12 / 8 4477 / 4360 1357 / 1321 / mechanical automatic um-ion / 360	
3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	33 34 35 36 37 38 39	Axle loading - drive - static with Axle loading - steer - static with Axle loading - steer - static with Travel speed (NL / RL) Lift speed  Lower speed  Gradeability  Drawbar pull  Brake  Battery compartment type Battery voltage (nominal capacity Traction motors (dual) 60 minute	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)  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)  Method of control (service / parking)  Method of operation (service / parking)	Ib (kg) Ib (kg) Ib (kg)  mph (kph) ft/min (m/sec) % Ibf Ibf  V/ah hp (kW)	4855 (2205) 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 91 / 106 ( 93 / 108 () 35 / 24 12 / 8 4248 / 4148 1287 / 1257 Hydraulic Foot / a Lithin 83 13.4 (10)	713270 (6020) 71765 (800) 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 automatic cum-ion / 360 13.4 (10)	5645 (2566) 5630 (2559) 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 ( 73 / 102 ( 79 / 104 ( 34 / 22 11 / 7 4146 / 4037 1256 / 1226 Hydraulic. Foot / 3 Lithii 83 13.4 (10)	/ 15150 (6886) ) / 2125 (966)  PowerPlus performanc 13 / 12.1 (21 / 19.5) 124 / 83 (0.63 / 0.42) 116 / 81 (0.59 / 0.41) 118 / 81 (0.60 / 0.41) 0.46 / 0.56) 0.37 / 0.52) 0.40 / 0.53) 37 / 24 12 / 8 4477 / 4360 1357 / 1321 / mechanical automatic um-ion / 360 13.4 (10)	
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	32 33 34 35 35 36 37 38 38 39 40	Axle loading - drive - static with Axle loading - steer - static with Axle loading - steer - static with Travel speed (NL / RL) Lift speed  Lower speed  Gradeability  Drawbar pull  Brake  Battery compartment type Battery voltage (nominal capacity Traction motors (dual) 60 minute Pump motor - 15 minute rating Traction motors (type / control m	max weight battery (NL / RL)  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 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)	Ib (kg) Ib (kg) Ib (kg)  mph (kph) ft/min (m/sec) % Ibf Ibf  V/ah hp (kW)	4855 (2205) 4680 (2125) 4680 (2125) Standard performance 11.2 / 11.2 (18 / 18) 124 / 77 (0.63 / 0.39) 124 / 77 (0.63 / 0.39) 124 / 77 (0.63 / 0.39) 100 / 112 91 / 106 ( 93 / 108 ( 35 / 24 12 / 8 4248 / 4148 1287 / 1257 Hydraulic Foot / a Lithii 83 13.4 (10) 21.5 (16) Dual AC	713270 (6020) 71765 (800) 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 suttomatic sum-ion / 360 13.4 (10) 32.2 (24)	5645 (2566) 5630 (2559) 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 ( 73 / 102 ( 79 / 104 ( 34 / 22 11 / 7 4146 / 4037 1256 / 1226 Hydraulic Foot / 6 Lithii 83 13.4 (10) 21.5 (16) Dual AC	/ 15150 (6886) ) / 2125 (966)  PowerPlus performanc 13 / 12.1 (21/19.5) 124 / 83 (0.63 / 0.42) 116 / 81 (0.59 / 0.41) 118 / 81 (0.60 / 0.41) 0.46 / 0.56) 0.37 / 0.52) 0.40 / 0.53) 37 / 24 12 / 8 4477 / 4360 1357 / 1321 / mechanical automatic um-ion / 360 13.4 (10) 32.2 (24) / transistor	
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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.

### STANDARD EQUIPMENT

30kW lithium ion battery

2-stage limited free lift (LFL) Vista™ mast with maximum fork height of 126" (3209mm)

5° forward and 5° back mast tilt

42" (1067mm) wide class III hook-type carriage with 48" (1219mm) high load backrest extension

42" (1067mm) long forks

Pneumatic drive tire and steer tire

Wheelbase - 68.9"

80-volt electrical system

Standard performance

Standard construction

Dual drive motors

Oil-cooled wet disc brakes

12" steering wheel with integral spinner knob

Non-suspension vinyl seat

Black ELR non-cinch seat belt

Automatic park brake

Key switch start

86.3" grid style overhead guard

MONOTROL™

3-function hydraulic control valve with TouchPoint hydraulic mini-levers with fully adjustable armrest

AC traction and pump motors (completely brushless)

Transistor drive and pump control

Advanced VSM (vehicle system manager)

Progressive thermal management system

Fully integrated CANbus communication

On-demand power steering

Hyster Stability System (HSS™)

Power assist braking

ADS (auto deceleration system) with regenerative braking

"Zero turn" steer axle

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

Low step height

Contoured handhold for entry / exit

Operator convenience station - storage areas, beverage & clipboard holders

Adjustable tilt steering column with low profile cowl

Operator presence system (OPS)

Anti-cinch operator restraint system

Cushioned floor mat

Static strap

Tow pin

Seatside power disconnect button

On-board software (program, test & diagnose; password protected)

Electronic horn with integral relay (long life / no adjustments)

24 month / 4,000 hour powertrain warranty

Operating manual

### **OPTIONAL EQUIPMENT**

PowerPlus performance

Available with 2-stage limited free lift (LFL) and 2- or 3-stage full free lift (FFL) Vista<sup>™</sup> masts

Carriage with integral sideshift

Carriage with integral sideshifting fork positioner

Mast tilt option - 10° forward / 5° back

Mast tilt option – 5° forward / 6° back

Return to set tilt

Accumulator

4-function hydraulic control valve

Solid pneumatic tires

Wide tread tires

Non-suspension seat (cloth)

Full suspension seat (vinyl or cloth)

Air-ride suspension seat (vinyl or cloth)

Swivel seat, full suspension (vinyl or cloth)

Front and top cab panels: includes front panel with wiper / washer and top panel

Keyless start (with auxiliary key switch)

Seat side directional control

Telescopic steering column with tilt memory

LED and halogen work light packages

LED dome / reading light

LED brake / tail / back-up light packages

Audible reverse activated alarm

Visible amber strobe light - continuous activated, overhead guard mounted

Rear drive handle with integrated horn button

Mirrors - side view or panoramic

Load weight indicator

Impact monitor

Operator password

Operator daily checklist

System monitor - hydraulic low fluid level indicator and hydraulic filter service indicator

Hydraulic attachment extension tubes with or without quick disconnect fittings

Fire extinguisher - 2.5 lb. dry chemical

Synchronous steering

Red (HI-VIS) ELR (emergency locking retractor) non-cinch

Red (HI-VIS) ELR (emergency locking retractor) non-cinch seat belt with start interlock

Low mount display

IP54 sealed drive axle/motors with belly pan and side shields

Outdoor protection / wash-down package

Front mud guards

Tilt cylinder boots





Hyster Company P.O. Box 7006 Greenville. North Carolina 27835-7006 Part No. J50-60XNL/TG 4/2020 Litho in U.S.A.

Visit us online at www.hyster.com or call us at 1-800-HYSTER-1.

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# HYSTER® J50-60XNL POWERED BY LITHIUM-ION TECHNOLOGY

Introducing the Hyster® J50-60XNL sit-down counterbalanced forklift powered by integrated lithium-ion technology—a power solution built for both indoor and outdoor applications that demand high efficiency, charging flexibility, zero maintenance and smart sustainability.

The J50-60XNL embraces technology that focuses on advancing your operation and the material handling industry which makes it a powerful addition to the Hyster full line of lift trucks.



### **WHY LITHIUM-ION?**

# ZERO MAINTENANCE: NO MORE...







FDA COMPLIANT

ZERO EMISSIONS TECHNOLOGY
WITH NO GASSING

The J50-60XNL is at the forefront of innovation and leading the way for a counterbalanced lift truck engineered around a fully integrated, space-saving, lithium-ion battery. The strategic design helps free space in the operator compartment maximizing comfort and convenience to help propel productivity.

### 1 REDUCED TRUCK WEIGHT

- · Improves acceleration
- · Reduces energy consumption during long runs in demanding applications

### 2 REPOSITIONED CENTER OF GRAVITY

- · Enhances drive quality
- · Improves truck handling in corners

### 3 LOWERED SEAT AND FLOOR PLATE

· Allows easy entry and exit from the truck

### 4 OPEN SPACE DESIGN

- · Maximizes comfort and convenience
- · Allows easy entry and exit from the truck
- · Gives increased freedom to position feet during operation

### 5 ENERGY EFFICIENT

- Fast charging times less than 1 hour full charge time.\*\*
- Truck retains full suite of low state of charge safety features
- Battery warranty 7 years/12,000 hours
- Truck requires either a PosiCharge ProCore or Ecotec Fast Charge Access

### **6** INCREASED HEAD ROOM

- Best in class head room allows increased ergonomics for taller operators.
- Extra space allows the option for Air-Ride Seats for a smoother ride and operator comfort.



		J50XN (Lead Acid)	J50XNL (Integrated Lithium-ion)	J60XN (Lead Acid)	J60XNL (Integrated Lithium-ion)
Truck weight with min battery	lb	11020	9540	11180	10400
Seat index point from ground - full suspension	in	46.2	42.8	46.2	42.8
Headroom - seat index point to bottom of OHG	in	39.0	42.4	39.0	42.4
Length to face of forks standard carriage	in	97	97	98.1	100.7
Aisle width for pallets 48" long x 40" wide - no clearance	in	146.7	146.7	147.8	150.4
Outside turning radius	in	81.6	81.6	81.6	84.2
Step height from ground to floor	in	27.8	24.4	27.8	24.4



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<sup>\*</sup> High Performance Motors - Extended Shift Off - 60% Regen braking

<sup>\*\*</sup> Requires 30kW Posicharge ProCore