

J45-70A SERIES

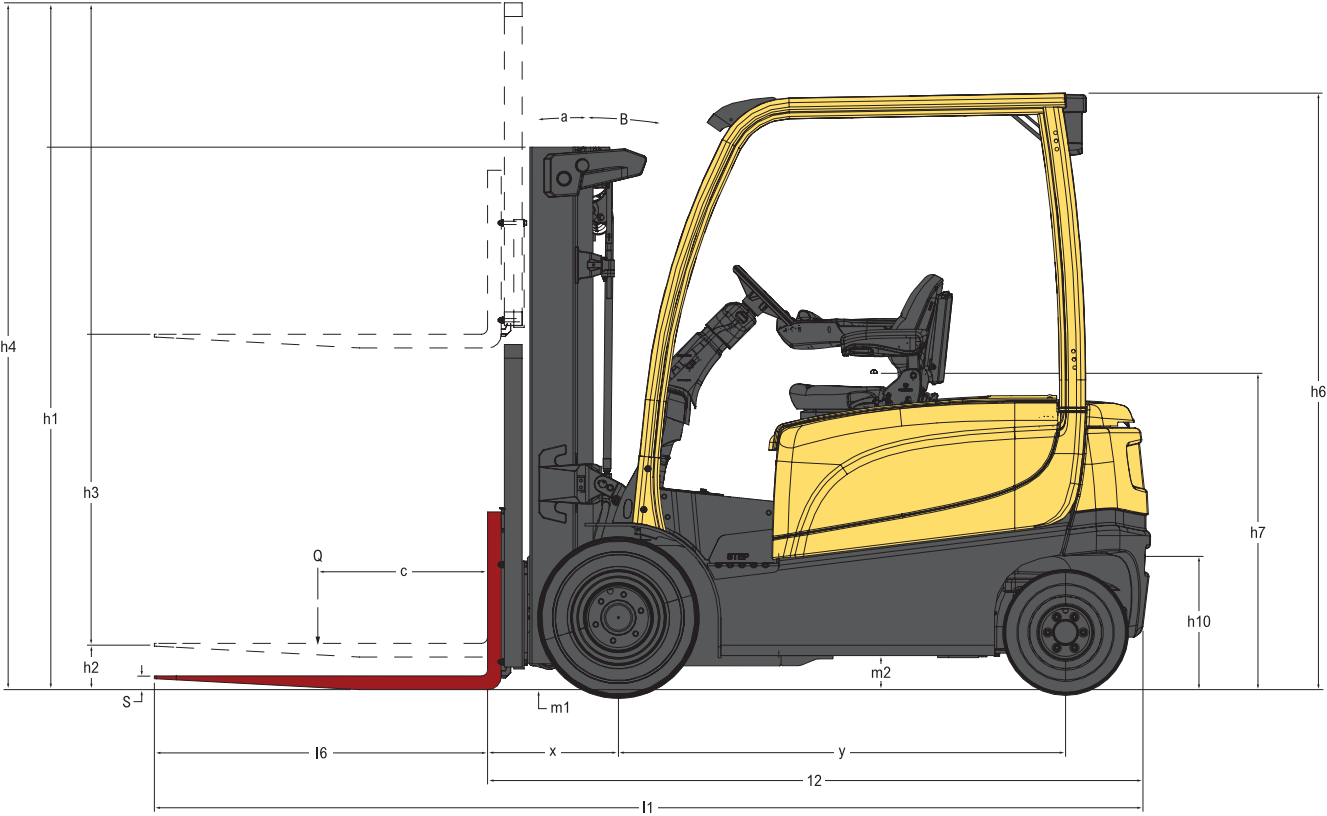


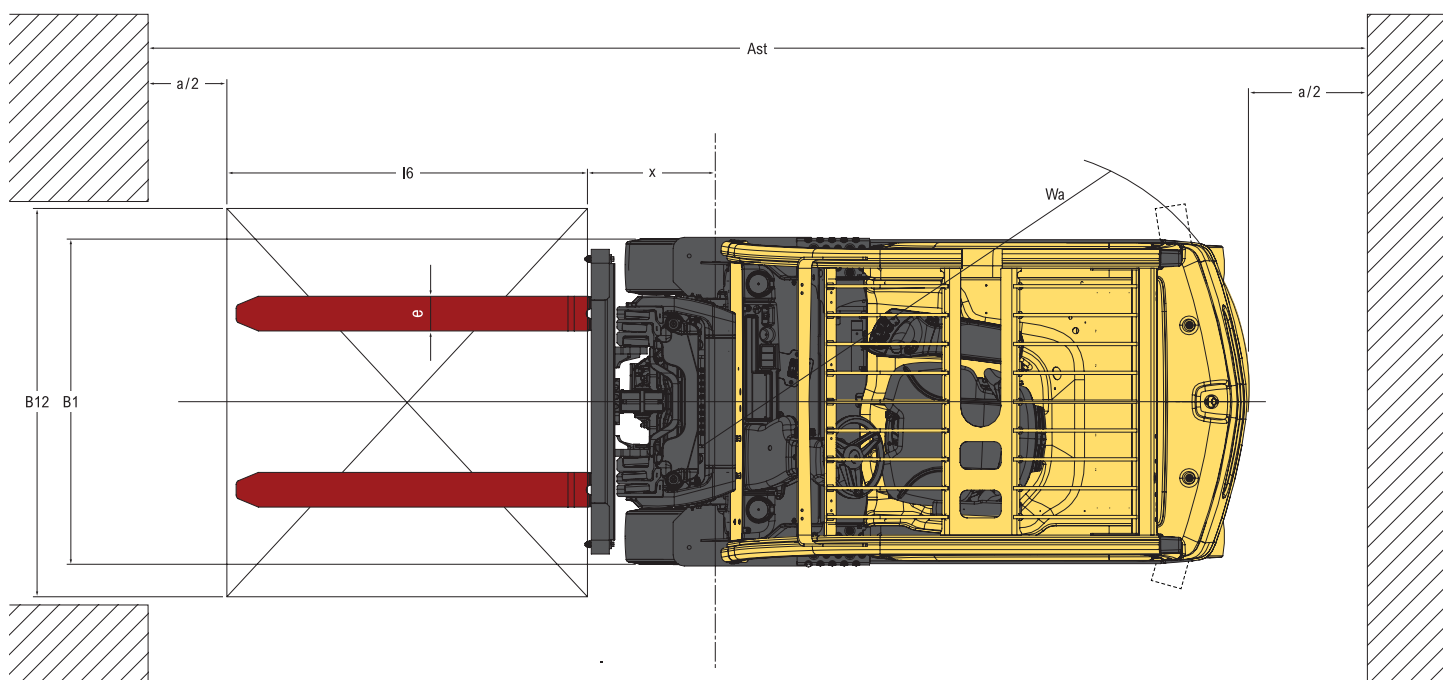
ELECTRIC FORKLIFT TRUCKS PRODUCT TECHNICAL GUIDE



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DIMENSIONS





SPECIFICATIONS

GENERAL	1-1	Manufacturer			Hyster				
	1-2	Model designation			J45A	J50A	J50A	J60A	J70A
	1-2-1	Model			Standard				
	1-3	Drive: electric (battery or mains), diesel, gasoline, LPG			Electric (battery)				
	1-4	Operator type: hand, pedestrian, standing, seated, order-picker			Seated				
	1-5	Rated capacity/rated load	Q	lb (kg)	4500 (2041)	5000 (2268)	5500 (2495)	6000 (2722)	7000 (3175)
	1-6	Load center distance	c	in (mm)	24 (609)				
	1-8	Load distance, center of drive axle to fork	x	in (mm)	16.7 (424)			17.1 (434)	
	1-9	Wheelbase	y	in (mm)	64.5 (1636)		70.1 (1780)		
WEIGHT	2-1	Service weight ⁽¹⁾		lb (kg)	9989 (4531)	10,211 (4642)	11,931 (5412)	12,145 (5509)	12,668 (5746)
	2-2	Axle loading loaded, front/rear ⁽¹⁾		lb (kg)	12,253 / 2145 (5558 / 973)	13,783 / 1960 (6252 / 889)	14,394 / 3046 (6529 / 1382)	16,378 / 2378 (7429 / 1079)	17,895 / 2491 (8117 / 1130)
	2-3	Axle loading unloaded, front/rear ⁽¹⁾		lb (kg)	5039 / 4949 (2286 / 2245)	5110 / 5123 (2318 / 2324)	5976 / 5955 (2711 / 2701)	6239 / 5906 (2830 / 2679)	6063 / 6605 (2750 / 2996)
TIRES	3-1	Tires, front/rear			Super Elastic				
	3-2	Tire size, front		in	23 × 9 - 10			23 × 10 - 12	
	3-3	Tire size, rear		in	18 × 7 - 8				
	3-5	Number of wheels, front/rear (X = driven)			2x / 2				
	3-6	Tread, front *	b10	in (mm)	38.3 (972)			38.7 / 41.5 (983 / 1054)	
	3-7	Tread, rear	b11	in (mm)	38.3 (973)				
DIMENSIONS	4-1	Tilt of mast / fork carriage forward / backward	α / β	(o)	5 / 5				
	4-2	Height, mast lowered	h1	in (mm)	84.3 (2140)			88.3 (2240)	
	4-3	Free lift ⁽²⁾	h2	in (mm)	3.9 (100)				
	4-4	Lift ⁽²⁾	h3	in (mm)	126.9 (3220)			127.2 (3228)	
	4-5	Height, mast extended ⁽³⁾	h4	in (mm)	176.5 (4480)			177.2 (4498)	
	4-7	Height of overhead guard ⁽⁴⁾	h6	in (mm)	86.4 (2193)				
	4-8	Seat height relating to SIP/stand height ⁽⁵⁾	h7	in (mm)	46.4 (1177)				
	4-12	Coupling height	h10	in (mm)	19.1 (484)				
	4-19	Overall length	l1	in (mm)	132.8 (3371)		138.5 (3515)	138.9 (3525)	141.5 (3591)
	4-20	Length to face of forks ⁽⁶⁾	l2	in (mm)	93.4 (2371)		99.1 (2515)	99.5 (2525)	102.1 (2591)
	4-21	Overall width *	b1	in (mm)	46.7 / 51 (1185 / 1296)			48.1 / 51 (1223 / 1296)	
	4-22	Fork dimensions DIN ISO 2331	s/e/l	in (mm)	1.6 × 3.9 × 42 (40 × 100 × 1067)			2 × 4.7 × 42 (50 × 120 × 1067)	
	4-23	Fork carriage ISO 2328, class/type A, B			II A			III A	
	4-24	Fork carriage width ⁽⁷⁾	b3	in (mm)	42 (1067)				
	4-31	Ground clearance, loaded, below mast	m1	in (mm)	3.9 (98)				
	4-32	Ground clearance, center of wheelbase	m2	in (mm)	5.4 (137)				
	4-33	Load dimensions b ₁₂ × l ₆ crossways	b ₁₂ /l ₆	in (mm)	47.2 × 39.4 (1200 × 1000)				
	4-34-1	Right Angle Stack for pallets 40 in × 48 in (1000 × 1200 mm)	Ast	in (mm)	144 (3654)		149.5 (3795)	149.9 (3805)	152.5 (3871)
	4-34-2	Right Angle Stack for pallets 31 in × 48 in (800 × 1200 mm)	Ast	in (mm)	149.7 (3799)		155.4 (3943)	155.7 (3953)	158.3 (4019)
	4-35	Turning radius	Wa	in (mm)	77.1 (1958)		82.8 (2102)		85.5 (2169)
	4-36	Internal turning radius	b13	in (mm)	4.8 (123)		5.3 (134)		
	4-41	90° intersecting aisle with pallet 48 in long × 40 in wide		in (mm)	78.5 (1993)		81 (2056)	81.6 (2072)	82.8 (2102)
	4-42	Step height (from ground to running board) ⁽⁹⁾		in (mm)	27.9 / 31.9 (708 / 810)				
	4-43	Step height (between intermediate steps between running board and floor)		in (mm)	18.7 (475)				

PERFORMANCE	5-1	Travel speed, loaded/unloaded ⁽¹⁰⁾	mph (km/h)	11.2 / 11.2 (18 / 18)			10.6 / 11.2 (17 / 18)	9.9 / 11.2 (16 / 18)
	5-1-1	Travel speed, loaded/unloaded, backwards	mph (km/h)	11.2 / 11.2 (18 / 18)			10.6 / 11.2 (17 / 18)	9.9 / 11.2 (16 / 18)
	5-2	Lift speed, loaded/unloaded	ft/min (m/s)	112.2 / 124 (0.57 / 0.63)	104.3 / 124 (0.53 / 0.63)		84.6 / 110.2 (0.43 / 0.56)	70.9 / 110.2 (0.36 / 0.56)
	5-3	Lowering speed, loaded/unloaded	ft/min (m/s)	133.9 / 120.1 (0.68 / 0.61)	135.8 / 120.1 (0.69 / 0.61)		124 / 104.3 (0.63 / 0.53)	126 / 104.3 (0.64 / 0.53)
	5-5	Drawbar pull, loaded / unloaded, 60 minute rating **	LBF (N)	1736 / 1855 (7720 / 8250)	1257 / 1288 (5590 / 5730)		1596 / 1731 (7100 / 7700)	1529 / 1641 (6800 / 7300)
	5-6	Maximum drawbar pull, loaded / unloaded, 5 minute rating ***	LBF (N)	3912 / 4112 (17400/18290)	3889 / 4078 (17300 / 18140)		3777 / 3957 (16800/17600)	3709 / 3889 (16500/17300)
	5-7	Gradeability, loaded / unloaded, 30 minute rating ***** ⁽¹¹⁾	%	13 / 21	13 / 21		11 / 19	10 / 17
	5-8	Maximum gradability, loaded / unloaded, *** ⁽¹¹⁾	%	25 / 31	24 / 31		22 / 32	19 / 29
	5-9	Acceleration time, loaded/unloaded, 15m ⁽¹⁰⁾	s	5.3 / 4.7	5.4 / 4.8	5.5 / 4.9	5.5 / 5.0	5.6 / 5.1
	5-10	Service brake		Hydraulic				
ELECTRIC	6-1	Drive motor rating S2 60 min	Hp (kW)	2 x 12.1 (9.0)				
	6-2	Lift motor rating at S3 15%	Hp (kW)	27.8 (20.7)				
	6-5	Battery weight (min/max)	lb (kg)	3720 / 4140 (1690 / 1880)		4460 / 4930 (2020 / 2230)		
	6-6	Energy consumption according to DIN EN 16796 ⁽¹²⁾	(kWh/h)	6.0	6.1	6.5	7.2	7.9
ADDITIONAL	8-1	Drive control		Induction				
	10-1	Operating pressure for attachments	bar	180				
	10-2	Oil volume for attachments ⁽¹³⁾	gal/min (l/min)	3 (10)				
	10-3	Hydraulic oil tank, capacity	gal (l)	8.7 (33.1)				
	10-7	Sound pressure level at the driver's seat ⁽¹⁴⁾	dB (A)	67				
	10-8	Towing coupling, type DIN		Pin				

NOTES

- (1) Max. battery.
 (2) Bottom of forks.
 (3) Add 26.2 in (666 mm) with class II load backrest. Add 23 in (583 mm) with class III load backrest.
 (4) h6 subject to +/- 0.20 in (5 mm) tolerance. Add 1 in (20 mm) with cab option. Add 4 in (104 mm) for battery side removal option. Add 124 mm for battery side removal with cab option.
 (5) Full suspension in compressed position specified. Add 1.5 in (40 mm) for nominal position. Add 4 in (104 mm) for battery side removal option.
 (6) With sideshift carriage add 1.3 in (34 mm) for J45N & J50N, 1.4 in (36 mm) for J60N & J70N.
 (7) Add 1 in (28 mm) with load backrest.
 (8) Stacking aisle width (lines 4.34.1 & 4.34.2) is based on the VDI standard calculation as shown on illustration. The British Industrial Truck Association recommends the addition

- of 4 in (100 mm) to the total clearance (dimension a) for extra operating margin at the rear of the truck.
 (9) Vertical/horizontal battery removal.
 (10) HiP Performance settings.
 (11) Gradeability figures (lines 5.7 & 5.8) are provided for comparison of tractive performance, but are not intended to endorse the operation of the vehicle on the stated inclines. Follow instructions in the operating manual regarding operation on inclines.
 (12) eLo Performance settings.
 (13) Maximum flow set through dash display.
 (14) LPAZ, measured according to the test cycles and based on the weighting values contained in EN12053.

- * Standard / Wide tread
 ** 60 minute rating
 *** 5 minute rating
 ***** 30 minute rating

Spec sheet truck based on: 128 in (3260 mm) (J45-50A) / 129 in (3278 mm) (J60-70A) TOF 2 stage LFL Mast with standard carriage, 38.5 in (1000 mm) forks with manual levers. Including optional Noise Reduction Package.

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.

SPECIFICATIONS

GENERAL	1-1	Manufacturer				Hyster				
	1-2	Model designation				J45A	J50A	J50A	J60A	J70A
	1-2-1	Model				Enhanced				
	1-3	Drive: electric (battery or mains), diesel, gasoline, LPG				Electric (battery)				
	1-4	Operator type: hand, pedestrian, standing, seated, order-picker				Seated				
	1-5	Rated capacity/rated load		Q	lb (kg)	4500 (2041)	5000 (2268)	5500 (2495)	6000 (2722)	7000 (3175)
	1-6	Load center distance		c	in (mm)	24 (609)				
	1-8	Load distance, center of drive axle to fork		x	in (mm)	16.7 (424)			17.1 (434)	
	1-9	Wheelbase		y	in (mm)	64.5 (1636)			70.1 (1780)	
WEIGHT	2-1	Service weight ⁽¹⁾			lb (kg)	9989 (4531)	10,211 (4642)	11,931 (5412)	12,145 (5509)	12,668 (5746)
	2-2	Axle loading loaded, front/rear ⁽¹⁾			lb (kg)	12,253 / 2145 (5558 / 973)	13,783 / 1960 (6252 / 889)	14,394 / 3046 (6529 / 1382)	16,378 / 2378 (7429 / 1079)	17,895 / 2491 (8117 / 1130)
	2-3	Axle loading unloaded, front/rear ⁽¹⁾			lb (kg)	5039 / 4949 (2286 / 2245)	5110 / 5123 (2318 / 2324)	5976 / 5955 (2711 / 2701)	6239 / 5906 (2830 / 2679)	6063 / 6605 (2750 / 2996)
TIRES	3-1	Tires, front/rear				Super Elastic				
	3-2	Tire size, front			in	23 × 9 - 10			23 × 10 - 12	
	3-3	Tire size, rear			in	18 × 7 - 8				
	3-5	Number of wheels, front/rear (X = driven)				2x / 2				
	3-6	Tread, front *		b10	in (mm)	38.3 (972)			38.7 / 41.5 (983 / 1054)	
	3-7	Tread, rear		b11	in (mm)	38.3 (973)				
DIMENSIONS	4-1	Tilt of mast / fork carriage forward / backward		α / β	(o)	5 / 5				
	4-2	Height, mast lowered		h1	in (mm)	84.3 (2140)			88.3 (2240)	
	4-3	Free lift ⁽²⁾		h2	in (mm)	3.9 (100)				
	4-4	Lift ⁽²⁾		h3	in (mm)	126.9 (3220)			127.2 (3228)	
	4-5	Height, mast extended ⁽³⁾		h4	in (mm)	176.5 (4480)			177.2 (4498)	
	4-7	Height of overhead guard ⁽⁴⁾		h6	in (mm)	86.4 (2193)				
	4-8	Seat height relating to SIP/stand height ⁽⁵⁾		h7	in (mm)	46.4 (1177)				
	4-12	Coupling height		h10	in (mm)	19.1 (484)				
	4-19	Overall length		l1	in (mm)	132.8 (3371)		138.5 (3515)	138.9 (3525)	141.5 (3591)
	4-20	Length to face of forks ⁽⁶⁾		l2	in (mm)	93.4 (2371)		99.1 (2515)	99.5 (2525)	102.1 (2591)
	4-21	Overall width *		b1	in (mm)	46.7 / 51 (1185 / 1296)			48.1 / 51 (1223 / 1296)	
	4-22	Fork dimensions DIN ISO 2331		s/e/l	in (mm)	1.6 × 3.9 × 42 (40 × 100 × 1067)			2 × 4.7 × 42 (50 × 120 × 1067)	
	4-23	Fork carriage ISO 2328, class/type A, B				II A			III A	
	4-24	Fork carriage width ⁽⁷⁾		b3	in (mm)	42 (1067)				
	4-31	Ground clearance, loaded, below mast		m1	in (mm)	3.9 (98)				
	4-32	Ground clearance, center of wheelbase		m2	in (mm)	5.4 (137)				
	4-33	Load dimensions b12 × l6 crossways		b12/l6	in (mm)	47.2 × 39.4 (1200 × 1000)				
	4-34-1	Right Angle Stack for pallets 40 in × 48 in (1000 × 1200 mm)		Ast	in (mm)	144 (3654)		149.5 (3795)	149.9 (3805)	152.5 (3871)
	4-34-2	Right Angle Stack for pallets 31 in × 48 in (800 × 1200 mm)		Ast	in (mm)	149.7 (3799)		155.4 (3943)	155.7 (3953)	158.3 (4019)
	4-35	Turning radius		Wa	in (mm)	77.1 (1958)		82.8 (2102)		85.5 (2169)
	4-36	Internal turning radius		b13	in (mm)	4.8 (123)		5.3 (134)		
	4-41	90° intersecting aisle with pallet 48 in long × 40 in wide			in (mm)	78.5 (1993)		81 (2056)	81.6 (2072)	82.8 (2102)
	4-42	Step height (from ground to running board) ⁽⁹⁾			in (mm)	27.9 / 31.9 (708 / 810)				
4-43	Step height (between intermediate steps between running board and floor)			in (mm)	18.7 (475)					

PERFORMANCE	5-1	Travel speed, loaded/unloaded ⁽¹⁰⁾	mph (km/h)	12.4 / 12.4 (20 / 20)		12.1 / 12.4 (19.5 / 20)	11.2 / 12.4 (18 / 20)
	5-1-1	Travel speed, loaded/unloaded, backwards	mph (km/h)	12.4 / 12.4 (20 / 20)		12.1 / 12.4 (19.5 / 20)	11.2 / 12.4 (18 / 20)
	5-2	Lift speed, loaded/unloaded	ft/min (m/s)	120.1 / 133.9 (0.61 / 0.68)	112.2 / 133.9 (0.57 / 0.68)	94.5 / 122 (0.48 / 0.62)	78.7 / 122 (0.40 / 0.62)
	5-3	Lowering speed, loaded/unloaded	ft/min (m/s)	133.9 / 120.1 (0.68 / 0.61)	135.8 / 120.1 (0.69 / 0.61)	124 / 104.3 (0.63 / 0.53)	126 / 104.3 (0.64 / 0.53)
	5-5	Drawbar pull, loaded / unloaded, 60 minute rating **	LBF (N)	3124.8/3259.7 (13900/14500)	3102.4 / 3237.2 (13800 / 14400)	3034.9/3192.3 (13500/14200)	2990/3147.3 (13300/14000)
	5-6	Maximum drawbar pull, loaded / unloaded, 5 minute rating ***	LBF (N)	4226.4/4451.2 (18800/ 19800)	4203.9 / 4428.7 (18700 / 19700)	4159/4383.8 (18500/19500)	4114/4338.8 (18300/19300)
	5-7	Gradeability, loaded / unloaded, 30 minute rating **** ⁽¹¹⁾	%	24 / 31	23 / 31	21 / 32	18 / 29
	5-8	Maximum gradability, loaded / unloaded, *** ⁽¹¹⁾	%	28 / 31	27 / 31	24 / 32	21 / 29
	5-9	Acceleration time, loaded/unloaded, 15m ⁽¹⁰⁾	s	5.2 / 4.6	5.3 / 4.7	5.4 / 4.8	5.5 / 4.9
	5-10	Service brake		Hydraulic			
ELECTRIC	6-1	Drive motor rating S2 60 min	Hp (kW)	2 x 16.1 (12.0)			
	6-2	Lift motor rating at S3 15%	Hp (kW)	28.8 (21.5)			
	6-5	Battery weight (min/max)	lb (kg)	3720 / 4140 (1690 / 1880)	4460 / 4930 (2020 / 2230)		
	6-6	Energy consumption according to DIN EN 16796 ⁽¹²⁾	(kWh/h)	5.6	5.7	6.05	6.5
ADDITIONAL	8-1	Drive control		PM Motor			
	10-1	Operating pressure for attachments	bar	180			
	10-2	Oil volume for attachments ⁽¹³⁾	gal/min (l/min)	3 (10)			
	10-3	Hydraulic oil tank, capacity	gal (l)	8.7 (33.1)			
	10-7	Sound pressure level at the driver's seat ⁽¹⁴⁾	dB (A)	67			
	10-8	Towing coupling, type DIN		Pin			

NOTES

⁽¹⁾ Max. battery.

⁽²⁾ Bottom of forks.

⁽³⁾ Add 26.2 in (666 mm) with class II load backrest. Add 23 in (583 mm) with class III load backrest.

⁽⁴⁾ h6 subject to +/- 0.20 in (5 mm) tolerance. Add 1 in (20 mm) with cab option. Add 4 in (104 mm) for battery side removal option. Add 124 mm for battery side removal with cab option.

⁽⁵⁾ Full suspension in compressed position specified. Add 1.5 in (40 mm) for nominal position. Add 4 in (104 mm) for battery side removal option.

⁽⁶⁾ With sideshift carriage add 1.3 in (34 mm) for J45N & J50N, 1.4 in (36 mm) for J60N & J70N.

⁽⁷⁾ Add 1 in (28 mm) with load backrest.

⁽⁸⁾ Stacking aisle width (lines 4.34.1 & 4.34.2) is based on the VDI standard calculation as shown on illustration. The British Industrial Truck Association recommends the addition

of 4 in (100 mm) to the total clearance (dimension a) for extra operating margin at the rear of the truck.

⁽⁹⁾ Vertical/horizontal battery removal.

⁽¹⁰⁾ HiP Performance settings.

⁽¹¹⁾ Gradeability figures (lines 5.7 & 5.8) are provided for comparison of tractive performance, but are not intended to endorse the operation of the vehicle on the stated inclines. Follow instructions in the operating manual regarding operation on inclines.

⁽¹²⁾ eLo Performance settings.

⁽¹³⁾ Maximum flow set through dash display.

⁽¹⁴⁾ LPAZ, measured according to the test cycles and based on the weighting values contained in EN12053.

* Standard / Wide tread

** 60 minute rating

*** 5 minute rating

**** 30 minute rating

Spec sheet truck based on: 128 in (3260 mm) (J45-50A) / 129 in (3278 mm) (J60-70A) TOF 2 stage LFL Mast with standard carriage, 38.5 in (1000 mm) forks with manual levers. Including optional Noise Reduction Package.

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 AND BATTERY SPECIFICATIONS

CLASS 2 MAST

Pneumatic Shaped Solid Tires	Maximum Fork Lift (mm)	Maximum Fork Lift (in)	Lowered Height (mm)	Lowered Height (in)	Extended Height without LBR (mm)	Extended Height without LBR (in)	Extended Height with 1220 LBR (mm)	Extended Height with 1220 LBR (in)	Free Lift Height Top of Forks (mm)	Free Lift Height Top of Forks (in)	Back tilt (°)	J45A	J50A
												Capacities (lbs) @ 24in Load Centre	Capacities (lbs) @ 24in Load Centre
2-STAGE LIMITED FREE LIFT	3260	128	2140	84	3813	150	4480	176	140	6	5	4500	5000
	3360	132	2190	86	3913	154	4580	180	140	6	5	4500	5000
	3460	136	2240	88	4013	158	4680	184	140	6	5	4500	5000
	3660	144	2340	92	4213	166	4880	192	140	6	5	4500	5000
	3760	148	2390	94	4313	170	4980	196	140	6	5	4500	5000
	4500	177	2840	112	5053	199	5720	225	140	6	5	4500	5000
	5500	216	3440	135	6053	238	6720	265	140	6	5	4350	4650
3-STAGE FULL FREE LIFT	3240	127	2090	82	3802	150	4460	176	1528	60	5	4500	5000
	3340	131	2140	84	3902	154	4560	180	1578	62	5	4500	5000
	3440	135	2190	86	4002	158	4660	183	1628	64	5	4500	5000
	3540	139	2240	88	4102	161	4760	187	1678	66	5	4500	5000
	3640	143	2290	90	4202	165	4860	191	1728	68	5	4500	5000
	3840	151	2390	94	4402	173	5060	199	1828	72	5	4500	5000
3-STAGE FULL FREE LIFT	4650	183	2040	80	5203	205	5870	231	1487	59	5	4500	4950
	4800	188	2090	82	5353	211	6020	237	1537	61	5	4500	4950
	4950	194	2140	84	5503	217	6170	243	1587	62	5	4500	4900
	5100	200	2240	88	5653	223	6320	249	1687	66	5	4500	4850
	5700	224	2490	98	6253	246	6920	272	1937	76	5	4250	4550
	6450	253	2790	110	7003	276	7670	302	2237	88	5	3850	4150

MAST AND BATTERY SPECIFICATIONS

CLASS 3 MAST

Pneumatic Shaped Solid Tires	Maximum Fork Lift (mm)	Maximum Fork Lift (in)	Lowered Height (mm)	Lowered Height (in)	Extended Height without LBR (mm)	Extended Height without LBR (in)	Extended Height with 1220 LBR (mm)	Extended Height with 1220 LBR (in)	Free Lift Height Top of Forks (mm)	Free Lift Height Top of Forks (in)	Back tilt (°)	J60A	J70A
												Capacities (lbs) @ 24in Load Centre	Capacities (lbs) @ 24in Load Centre
2-STAGE LIMITED FREE LIFT	2880	113	2040	80	3519	139	4098	161	150	6	5	6000	7000
	2980	117	2090	82	3619	142	4198	165	150	6	5	6000	7000
	3080	121	2140	84	3719	146	4298	169	150	6	5	6000	7000
	3180	125	2190	86	3819	150	4398	173	150	6	5	6000	7000
	3280	129	2240	88	3919	154	4498	177	150	6	5	6000	7000
	3380	133	2290	90	4019	158	4598	181	150	6	5	6000	7000
	3480	137	2340	92	4119	162	4698	185	150	6	5	6000	7000
	3580	140	2390	94	4219	166	4798	189	150	6	5	6000	7000
	3680	144	2540	100	4319	170	4898	193	150	6	5	6000	7000
3-STAGE FULL FREE LIFT	3000	118	2040	80	3633	143	4224	166	1411	56	5	6000	7000
	3100	122	2090	82	3733	147	4324	170	1461	58	5	6000	7000
	3200	125	2140	84	3833	151	4424	174	1511	59	5	6000	7000
	3300	129	2190	86	3933	155	4524	178	1561	61	5	6000	7000
	3400	133	2240	88	4033	159	4624	182	1611	63	5	6000	7000
	3500	137	2290	90	4133	163	4724	186	1661	65	5	6000	7000
	3600	141	2340	92	4233	167	4824	190	1711	67	5	6000	7000
3-STAGE FULL FREE LIFT	4470	175	2090	82	5085	200	5688	224	1473	58	5	6000	7000
	4620	181	2140	84	5235	206	5838	230	1523	60	5	6000	6900
	4770	187	2240	88	5385	212	5988	236	1623	64	5	6000	6850
	4920	193	2290	90	5535	218	6138	242	1673	66	5	5900	6850
	5070	199	2340	92	5685	224	6288	248	1723	68	5	5850	6700
	5220	205	2390	94	5835	230	6438	253	1773	70	5	5800	6650
	5370	211	2490	98	5985	236	6588	259	1873	74	5	5750	6550
	5520	217	2540	100	6135	242	6738	265	1923	76	5	5650	6500
	5820	229	2640	104	6435	253	7038	277	2023	80	5	5500	6300

FEATURES AND OPTIONS

PERFORMANCE	STD	OPT
80 Volt	X	
Standard Performance	X	
Standard Performance: Low Noise		X
Enhanced Performance		X
Enhanced Performance: Low Noise		X
Standard Construction – Operating Temperatures +32°F to +120°F	X	
Cooler/Freezer Package – Operating Temperatures –20°F to +120°F		X
Belly Screen		X
System Monitor – Hydraulic – Low Fluid Level Indicator – Hydraulic Filter Service Indicator	X	
Battery Removal without Rollers – Lift Out	X	
Hinged Door		X
Removable Panels		X
Side Extraction (Using Fork Pockets)		X
Side Extraction (Using Rollers)		X
DC to DC Converter – Primary – For Factory Installed Options – 25 amps/300 watts @ 12 volts	X	
DC to DC Converter – Auxillary – For Customer Installed Accessories – 25 amps/300 watts @ 12 volts		X
Without Battery	X	
Battery Options		X
Without Charger	X	
Charger Options		X
DRIVE	STD	OPT
Seat Side Directional Control		X
MONOTROL® Directional Control Pedal	X	
Tires – Pneumatic Shaped Solid (PSS)	X	
Tires – Pneumatic Shaped Solid (PSS) – Non Marking		X
Tires – Pneumatic		X
Standard Tread Width	X	
Wide Tread Width		X
Tilt Steering Column – Infinitely Adjustable within a 26 Degree Range – Gas-Spring Assisted	X	
Telescopic Steering Column with Infinitely Adjustable Tilt and Tilt Memory		X
Steering Wheel with Integral Spinner Knob	X	
Steering Wheel without Spinner Knob		X
On Demand Hydrostatic Power Assist Steering	X	
LIFT	STD	OPT
2 Stage Limited Free Lift Mast – Class II/III	X	
2 Stage Full Free Lift Mast – Class II/III		X
3 Stage Full Free Lift Mast – Class II/III		X
5° Forward / 5° Back Mast Tilt	X	
5° Forward / 4° Back Mast Tilt		X
5° Forward / 6° Back Mast Tilt		X
10° Forward / 5° Back Mast Tilt		X
HANDLING	STD	OPT
With Tilt Cylinder Boots		X
Hook Type Carriage – 42" (1067mm)	X	
Hook Type Integral Sideshift Carriage – 42" (1067mm)		X

HANDLING <i>Continued</i>	STD	OPT
Hook Type Integral Sideshift Carriage with Fork Positioner – 42" (1067mm)		X
Hook Type Standard Carriage – 48" (1220mm)		X
Hook Type Integral Sideshift Carriage – 48" (1220mm)		X
Hook Type Integral Sideshift Carriage with Fork Positioner – 48" (1220mm)		X
Hook Type Standard Carriage – 54" (1372mm)		X
Hook Type Integral Sideshift Carriage – 54" (1372mm)		X
Without Load Backrest	X	
48" (1220mm) High Load Backrest		X
Hook Type Standard Taper Forks	X	
Hook Type Polished and Full Bottom Tapered Forks		X
3 Function (1 Auxiliary) Hydraulic Control Valve	X	
4 Function (2 Auxiliary) Hydraulic Control Valve		X
Mechanical Lever Hydraulic Controls – Seat Side	X	
TouchPoint Mini-Lever Hydraulic Controls – Seat Side		X
Joystick Hydraulic Controls		X
Clamping Function		X
Return to Set Tilt Function		X
Without Hose Group	X	
3 Function Hose Group (1 Auxiliary)		X
4 Function Hose Group (2 Auxiliary)		X
Auxiliary Extension Tubes		X
Auxiliary Extension Tubes with Quick Disconnect		X
Hydraulic Accumulator – 1.0 Quart – Piston Type		X
Load Weight Indicator		X
VISIBILITY	STD	OPT
Audible Alarm – Reverse Direction Activated – Factory Set to 87 dB(A) – Manually Adjustable to 87, 97 or 102 dB(A)		X
Visible Alarm - Amber LED Strobe – Keyswitch Activated – Does Not Increase Truck Height		X
Forward and Reverse Activated Audible Alarm (Self-Adjusting 82–102 dB(A))		X
Without Lights	X	
LED Work Lights		X
LED Rear Lights		X
LED Rear Lights – Stop/Tail/Reverse		X
LED Rear Lights – Stop/Tail/Reverse/Turn		X
Blue LED Pedestrian Awareness Spot Light – Front and Rear		X
Red LED Pedestrian Awareness Spot Light – Front and Rear		X
Travel Speed Alarm		X
Travel Speed Indicator		X
ERGONOMICS	STD	OPT
Aftermarket Cabin Kit Ready Dash	X	
5" (127mm) Color Touchscreen Display	X	
86.3" (2193mm) Overhead Guard – Grid Style	X	
90.4" (2297mm) Overhead Guard – Grid Style		X
Cab Panels – Front and Top		X
Steel Modular Cab with PVC Doors		X
Cab – Full Steel		X
Heater and Defroster – 1500 Watts with Digital Thermostat		X
Air Conditioning		X

ERGONOMICS <i>Continued</i>	STD	OPT
LED Dome/Reading Light		X
Mirror – Single Panoramic – Overhead Guard Mounted		X
Mirrors – Dual Side View – Mounted on the Left and Right Side of Overhead Guard		X
12-Volt Auxiliary Power Supply		X
Fire Extinguisher – 2.5 lb. Dry Chemical		X
Rear Drive Handle with Horn Button		X
Full Suspension Vinyl Seat – Value	X	
Full Suspension Vinyl Seat		X
Full Suspension Cloth Seat		X
Air Ride Full Suspension Vinyl Seat		X
Air Ride Full Suspension Cloth Seat		X
Full Suspension Vinyl Seat – Low Profile		X
Non-Suspension Vinyl Seat		X
Non-Suspension Cloth Seat		X
Seat Belt – Black – No-Cinch with ELR (Emergency Locking Retractor)	X	
Seat Belt – High-Visibility (Red) – No-Cinch with ELR (Emergency Locking Retractor)		X
Seat Belt – High-Visibility (Red) – No-Cinch with ELR (Emergency Locking Retractor) and Start Interlock		X
OPERATION	STD	OPT
Key Switch Start	X	
Keyless with Operator Password		X
Keyless Toggle Start with Remote Auxiliary Key Switch		X
Keyless Toggle Start with Auxiliary Key Switch		X
Traction Speed Limiter pre-set to (2, 4, 5, 6, 8)mph		X
Front Mud Guards – Forward of Drive Tires – Protects Attachment and Load From Drive Tire Debris		X
Dynamic Stability System	X	
Speed Reduction in Corners		X
Hyster Reaction		X
SUPPLEMENTAL	STD	OPT
24 Months / 4,000 Hours Manufacturer's Warranty	X	
36 Months / 6,000 Hours Extended Warranty		X
Extended Protection Plans		X
Literature Package	X	
UL Classification Type "E"	X	
UL Classification Type "EE" – Includes UL Label		X
Hyster Tracker Telemetry	X	



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