



STRONG PARTNERS. TOUGH TRUCKS.™

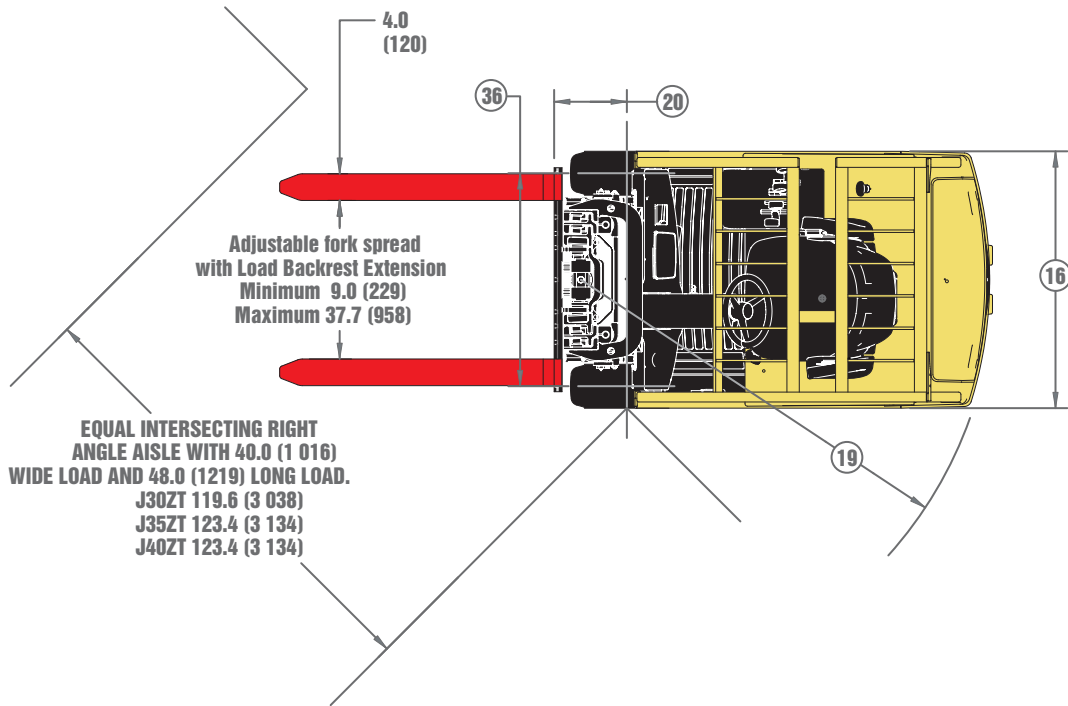
J30-40ZT AC POWER

Three-wheel, Sit-down, Counterbalanced Electric, Cushion Tire Lift Truck Series

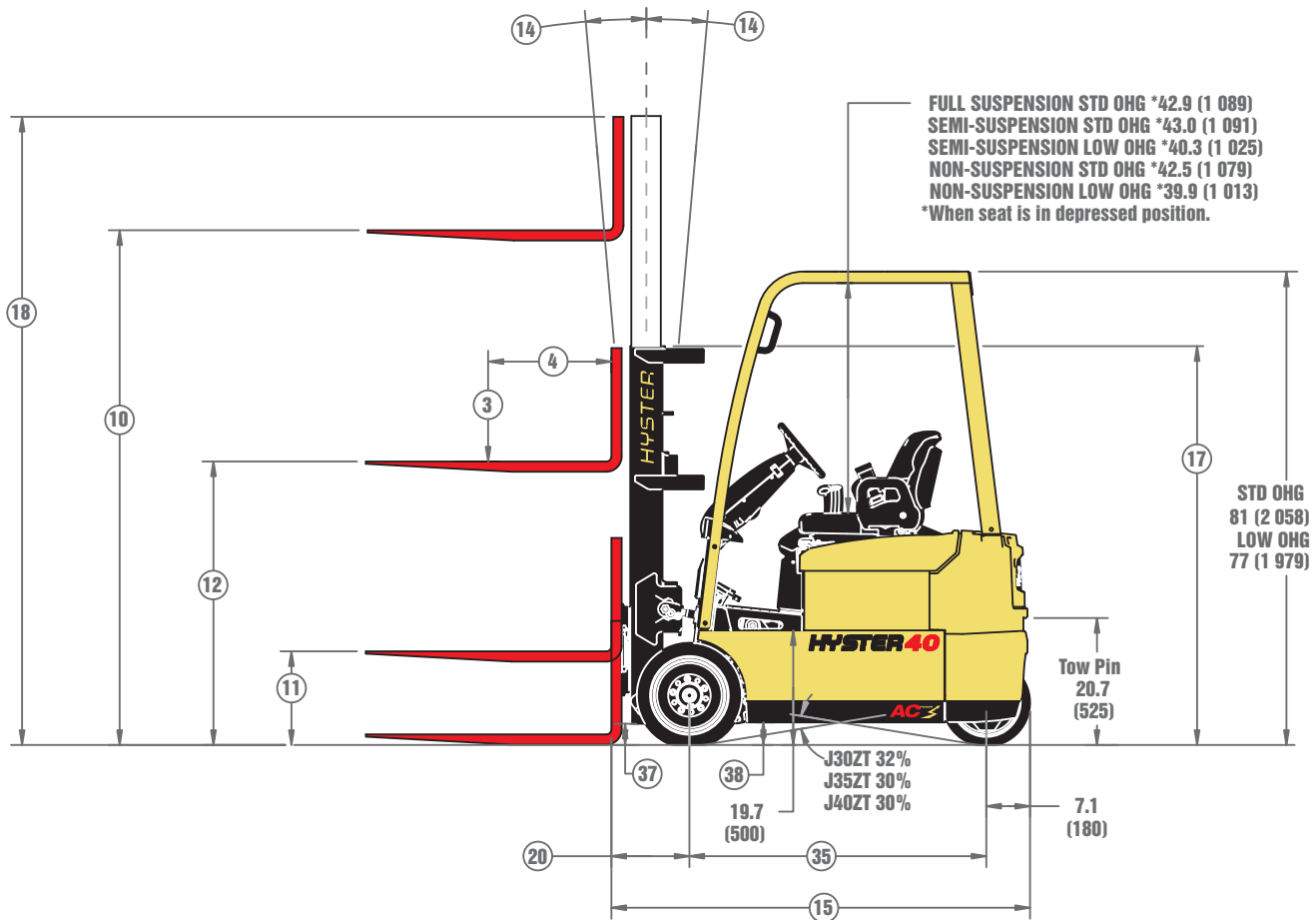


TECHNICAL GUIDE

Hyster J30-40ZT Lift Truck Dimensions



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

Hyster J30ZT Lift Truck Specifications

GENERAL	1	Manufacturer		Hyster Company	Hyster Company
	2	Model		J30ZT (36V)	J30ZT (48V)
	3	Capacity, rated	lb. (kg)	3,000 (1 360)	3,000 (1 360)
	4	Load center	in. (mm)	24 (610)	24 (610)
	5	Power type		Electric	Electric
	6	Operator type		Sit-down	Sit-down
	7	Tire type, front / rear		Cushion / Cushion	Cushion / Cushion
	8	Wheels, front / rear	(X=driven)	2X / 1 Dual	2X / 1 Dual
DIMENSIONS	10	Lift Height, Top of Fork (TOF)	in. (mm)	127 (3 232)	127 (3 232)
	11	Limited free-lift (TOF)	in. (mm)	5 (140)	5 (140)
	12	Optional full free-lift (TOF) with / without LBE	in. (mm)	33 (857) / 59 (1 506)	33 (857) / 59 (1 506)
	13	Forks, width / thickness	in. (mm)	4.0 (100) / 1.5 (40)	4.0 (100) / 1.5 (40)
	14	Tilt angle, forward / backward	Deg. °	5 / 7	5 / 7
	15	Length to face of forks	in. (mm)	71.2 (1 808)	71.2 (1 808)
	16	Width, standard tires	in. (mm)	41.0 (1 040)	41.0 (1 040)
	17	Height, standard mast lowered	in. (mm)	82 (2 080)	82 (2 080)
	18	Height, std. mast extended with / without LBE	in. (mm)	176 (4 455) / 150 (3 806)	176 (4 455) / 150 (3 806)
	19	Turning radius, minimum outside	in. (mm)	57.9 (1 470)	57.9 (1 470)
	20	Center of wheel to face of forks	in. (mm)	13.3 (339)	13.3 (339)
	22	Aisle width (Add load length for 90° stack)	in. (mm)	71.6 (1 818)	71.6 (1 818)
PERFORMANCE †	23	Stability (Comply with ANSI?) *		YES	YES
	24	Travel speed, maximum, Extended Shift disabled NL / RL	mph (km/h)	8.8 (14.2) / 8.6 (13.8)	8.8 (14.2) / 8.6 (13.8)
		Travel speed, Extended Shift enabled NL / RL	mph (km/h)	8.0 (12.9) / 7.6 (12.2)	8.8 (14.2) / 8.1 (13.0)
	25	Lift speed, standard mast NL / RL	ft/min (m/s)	95.0 (0.48) / 68.0 (0.35)	115.0 (0.59) / 85.0 (0.43)
		Opt. 2-stage FFL mast NL / RL	ft/min (m/s)	90.0 (0.46) / 63.0 (0.32)	110.0 (0.56) / 80.0 (0.41)
		Opt. 3-stage FFL mast NL / RL	ft/min (m/s)	90.0 (0.46) / 63.0 (0.32)	110.0 (0.56) / 80.0 (0.41)
		Opt. 4-stage FFL mast NL / RL	ft/min (m/s)	100.0 (0.51) / 68.0 (0.35)	125.0 (0.64) / 91.0 (0.46)
	26	Lowering, standard mast NL / RL	ft/min (m/s)	93.0 (0.47) / 100.0 (0.51)	93.0 (0.47) / 100.0 (0.51)
		Opt. 2-stage FFL mast NL / RL	ft/min (m/s)	73.0 (0.37) / 91.0 (0.46)	73.0 (0.37) / 91.0 (0.46)
		Opt. 3-stage FFL mast NL / RL	ft/min (m/s)	81.0 (0.41) / 94.0 (0.48)	81.0 (0.41) / 94.0 (0.48)
		Opt. 4-stage FFL mast NL / RL	ft/min (m/s)	92.0 (0.47) / 98.0 (0.50)	92.0 (0.47) / 98.0 (0.50)
WT.	30	Weight, total approximate without battery	lb. (kg)	5,100 (2 313)	5,100 (2 313)
	31	Axle loading, static, max battery front / rear - RL	lb. (kg)	9,050 (4 105) / 1,550 (703)	9,050 (4 105) / 1,550 (703)
TIRES & WHEELS	33	Size of tires, front		18 x 7 x 12.1	18 x 7 x 12.1
	34	Size of tires, rear		15 x 4 x 11.25	15 x 4 x 11.25
	35	Wheelbase	in. (mm)	50.8 (1 290)	50.8 (1 290)
	36	Tread, center of tires front / rear	in. (mm)	34.0 (863) / On Center	34.0 (863) / On Center
	37	Ground clearance, lowest point - NL	in. (mm)	3.5 (90)	3.5 (90)
	38	Ground clearance, center wheelbase - NL	in. (mm)	4.0 (100)	4.0 (100)
	39	Brakes, method of control, service / parking		Hydraulic / Spring Applied	Hydraulic / Spring Applied
	40	Brakes, method of operation, service / parking		Foot / Automatic	Foot / Automatic
ELECTRIC	41	Battery, type		Lead acid	Lead acid
	42	Battery, volts / capacity at 6 hr rate	V / amps	36 / 880 max amp hours	48 / 660 max amp hours
	43	Battery, minimum / maximum weight	lbs. (kg)	1,700 (771) ‡ / 2,500 (1 134)	1,700 (771) ‡ / 2,500 (1 134)
	44	Drive motor, 60-minute rating	hp (kw)	2 x 6.4 (4.8)	2 x 6.7 (5.0)
	45	Hoist motor, S-3 15% rating	hp (kw)	12.1 (9.0)	16.1 (12.0)
		Drive motor control method		AC Transistor	AC Transistor
		Number of speeds		Infinitely variable	Infinitely variable
	55	Relief pressure for lift and tilt / attachments	psi (kPa)	2,600 (17 926) / 2,000 (13 790)	2,600 (17 926) / 2,000 (13 790)

* CERTIFICATION: These Hyster lift trucks meet design specifications of Part II ANSI B56.1-1969, as required by OSHA Section 1910.178(a)(2) and also comply with Part III ANSI B56.1-revision in effect at time of manufacture. Certification of compliance with the applicable ANSI standards appears on the lift truck.

† NOTE: Performance specifications are for a truck equipped as described under Standard Equipment on the back of this Technical Guide. Performance specifications are affected by the condition of the vehicle and how it is equipped, as well as by the nature and condition of the operating area. If these specifications are critical, the proposed application should be discussed with your dealer. Optional EE Construction affects travel speeds.

‡ Requires battery spacer / counterweight below battery.

Hyster J35ZT Lift Truck Dimensions

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GENERAL	1	Manufacturer		Hyster Company	Hyster Company
	2	Model		J35ZT (36V)	J35ZT (48V)
	3	Capacity, rated	lb. (kg)	3,500 (1 587)	3,500 (1 587)
	4	Load center	in. (mm)	24 (610)	24 (610)
	5	Power type		Electric	Electric
	6	Operator type		Sit-down	Sit-down
	7	Tire type, front / rear		Cushion / Cushion	Cushion / Cushion
	8	Wheels, front / rear	(X=driven)	2X / 1 Dual	2X / 1 Dual
DIMENSIONS	10	Lift Height, Top of Fork (TOF)	in. (mm)	127 (3 232)	127 (3 232)
	11	Limited free-lift (TOF)	in. (mm)	5 (140)	5 (140)
	12	Optional full free-lift (TOF) with / without LBE	in. (mm)	33 (857) / 59 (1 506)	33 (857) / 59 (1 506)
	13	Forks, width / thickness	in. (mm)	4.0 (100) / 1.5 (38)	4.0 (100) / 1.5 (38)
	14	Tilt angle, forward / backward	Deg. °	5 / 7	5 / 7
	15	Length to face of forks	in. (mm)	74.9 (1 903)	74.9 (1 903)
	16	Width, standard tires	in. (mm)	41.0 (1 040)	41.0 (1 040)
	17	Height, standard mast lowered	in. (mm)	82 (2 080)	82 (2 080)
	18	Height, std. mast extended with / without LBE	in. (mm)	176 (4 455) / 150 (3 806)	176 (4 455) / 150 (3 806)
	19	Turning radius, minimum outside	in. (mm)	61.6 (1 565)	61.6 (1 565)
	20	Center of wheel to face of forks	in. (mm)	13.3 (339)	13.3 (339)
	22	Aisle width (Add load length for 90° stack)	in. (mm)	75.4 (1 915)	75.4 (1 915)
PERFORMANCE †	23	Stability (Comply with ANSI?) *		YES	YES
	24	Travel speed, maximum, Extended Shift disabled NL / RL	mph (km/h)	8.8 (14.2) / 8.6 (13.8)	8.8 (14.2) / 8.6 (13.8)
		Travel speed, Extended Shift enabled NL / RL	mph (km/h)	8.0 (12.9) / 7.6 (12.2)	8.8 (14.2) / 8.1 (13.0)
	25	Lift speed, standard mast NL / RL	ft/min (m/s)	95.0 (0.48) / 68.0 (0.35)	115.0 (0.59) / 85.0 (0.43)
		Opt. 2-stage FFL mast NL / RL	ft/min (m/s)	90.0 (0.46) / 63.0 (0.32)	110.0 (0.56) / 80.0 (0.41)
		Opt. 3-stage FFL mast NL / RL	ft/min (m/s)	90.0 (0.46) / 63.0 (0.32)	110.0 (0.56) / 80.0 (0.41)
		Opt. 4-stage FFL mast NL / RL	ft/min (m/s)	100.0 (0.51) / 65.0 (0.33)	125.0 (0.64) / 87.0 (0.44)
	26	Lowering, standard mast NL / RL	ft/min (m/s)	93.0 (0.47) / 100.0 (0.51)	93.0 (0.47) / 100.0 (0.51)
		Opt. 2-stage FFL mast NL / RL	ft/min (m/s)	73.0 (0.37) / 91.0 (0.46)	73.0 (0.37) / 91.0 (0.46)
		Opt. 3-stage FFL mast NL / RL	ft/min (m/s)	81.0 (0.41) / 94.0 (0.48)	81.0 (0.41) / 94.0 (0.48)
		Opt. 4-stage FFL mast NL / RL	ft/min (m/s)	92.0 (0.47) / 98.0 (0.50)	92.0 (0.47) / 98.0 (0.50)
WT.	30	Weight, total approximate without battery	lb. (kg)	5,150 (2 336)	5,150 (2 336)
	31	Axle loading, static, max battery front / rear - RL	lb. (kg)	9,860 (4 472) / 1,590 (721)	9,860 (4 472) / 1,590 (721)
TIRES & WHEELS	33	Size of tires, front		18 x 7 x 12.1	18 x 7 x 12.1
	34	Size of tires, rear		15 x 4.5 x 11.25	15 x 4.5 x 11.25
	35	Wheelbase	in. (mm)	54.5 (1 385)	54.5 (1 385)
	36	Tread, center of tires front / rear	in. (mm)	34.0 (863) / On Center	34.0 (863) / On Center
	37	Ground clearance, lowest point - NL	in. (mm)	3.5 (90)	3.5 (90)
	38	Ground clearance, center wheelbase - NL	in. (mm)	4.0 (100)	4.0 (100)
	39	Brakes, method of control, service / parking		Hydraulic / Spring Applied	Hydraulic / Spring Applied
	40	Brakes, method of operation, service / parking		Foot / Automatic	Foot / Automatic
ELECTRIC	41	Battery, type		Lead acid	Lead acid
	42	Battery, volts / capacity at 6 hr rate	V / amps	36 / 1,100 max amp hours	48 / 770 max amp hours
	43	Battery, minimum / maximum weight	lbs. (kg)	2,100 (953) ¥ / 2,800 (1 270)	2,100 (953) ¥ / 2,800 (1 270)
	44	Drive motor, 60-minute rating	hp (kw)	2 x 6.4 (4.8)	2 x 6.7 (5.0)
	45	Hoist motor, S-3 15% rating	hp (kw)	12.1 (9.0)	16.1 (12.0)
		Drive motor control method		AC Transistor	AC Transistor
		Number of speeds		Infinitely variable	Infinitely variable
	55	Relief pressure for lift and tilt / attachments	psi (kPa)	2,600 (17 926) / 2,000 (13 790)	2,600 (17 926) / 2,000 (13 790)

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¥ Requires battery spacer / counterweight below battery.

Hyster J40ZT Lift Truck Dimensions

GENERAL	1	Manufacturer		Hyster Company	Hyster Company
	2	Model		J40ZT (36V)	J40ZT (48V)
	3	Capacity, rated	lb. (kg)	4,000 (1 814)	4,000 (1 814)
	4	Load center	in. (mm)	24 (610)	24 (610)
	5	Power type		Electric	Electric
	6	Operator type		Sit-down	Sit-down
	7	Tire type, front / rear		Cushion / Cushion	Cushion / Cushion
	8	Wheels, front / rear	(X=driven)	2X / 1 Dual	2X / 1 Dual
DIMENSIONS	10	Lift Height, Top of Fork (TOF)	in. (mm)	127 (3 232)	127 (3 232)
	11	Limited free-lift (TOF)	in. (mm)	5 (140)	5 (140)
	12	Optional full free-lift (TOF) with / without LBE	in. (mm)	33 (857) / 59 (1 506)	33 (857) / 59 (1 506)
	13	Forks, width / thickness	in. (mm)	4.0 (102) / 1.5 (38)	4.0 (102) / 1.5 (38)
	14	Tilt angle, forward / backward	Deg. °	5 / 7	5 / 7
	15	Length to face of forks	in. (mm)	74.9 (1 903)	74.9 (1 903)
	16	Width, standard tires	in. (mm)	41.0 (1 040)	41.0 (1 040)
	17	Height, standard mast lowered	in. (mm)	82 (2 080)	82 (2 080)
	18	Height, std. mast extended with / without LBE	in. (mm)	176 (4 455) / 150 (3 806)	176 (4 455) / 150 (3 806)
	19	Turning radius, minimum outside	in. (mm)	61.6 (1 565)	61.6 (1 565)
	20	Center of wheel to face of forks	in. (mm)	13.3 (339)	13.3 (339)
	22	Aisle width (Add load length for 90° stack)	in. (mm)	75.4 (1 915)	75.4 (1 915)
PERFORMANCE †	23	Stability (Comply with ANSI?) *		YES	YES
	24	Travel speed, maximum, Extended Shift disabled NL / RL	mph (km/h)	8.8 (14.2) / 8.6 (13.8)	8.8 (14.2) / 8.6 (13.8)
		Travel speed, Extended Shift enabled NL / RL	mph (km/h)	8.0 (12.9) / 7.6 (12.2)	8.8 (14.2) / 8.1 (13.0)
	25	Lift speed, standard mast NL / RL	ft/min (m/s)	95.0 (0.48) / 68.0 (0.35)	115.0 (0.59) / 85.0 (0.43)
		Opt. 2-stage FFL mast NL / RL	ft/min (m/s)	90.0 (0.46) / 63.0 (0.32)	110.0 (0.56) / 80.0 (0.41)
		Opt. 3-stage FFL mast NL / RL	ft/min (m/s)	90.0 (0.46) / 63.0 (0.32)	110.0 (0.56) / 80.0 (0.41)
		Opt. 4-stage FFL mast NL / RL	ft/min (m/s)	100.0 (0.51) / 63.0 (0.32)	125.0 (0.64) / 84.0 (0.43)
	26	Lowering, standard mast NL / RL	ft/min (m/s)	93.0 (0.47) / 100.0 (0.51)	93.0 (0.47) / 100.0 (0.51)
		Opt. 2-stage FFL mast NL / RL	ft/min (m/s)	73.0 (0.37) / 91.0 (0.46)	73.0 (0.37) / 91.0 (0.46)
		Opt. 3-stage FFL mast NL / RL	ft/min (m/s)	81.0 (0.41) / 94.0 (0.48)	81.0 (0.41) / 94.0 (0.48)
		Opt. 4-stage FFL mast NL / RL	ft/min (m/s)	92.0 (0.47) / 98.0 (0.50)	92.0 (0.47) / 98.0 (0.50)
WT.	30	Weight, total approximate without battery	lb. (kg)	5,150 (2 336)	5,150 (2 336)
	31	Axle loading, static, max battery front / rear - RL	lb. (kg)	10,700 (4 853) / 1,250 (567)	10,700 (4 853) / 1,250 (567)
TIRES & WHEELS	33	Size of tires, front		18 x 7 x 12.1	18 x 7 x 12.1
	34	Size of tires, rear		15 x 4.5 x 11.25	15 x 4.5 x 11.25
	35	Wheelbase	in. (mm)	54.5 (1 385)	54.5 (1 385)
	36	Tread, center of tires front / rear	in. (mm)	34.2 (869) / On Center	34.2 (869) / On Center
	37	Ground clearance, lowest point - NL	in. (mm)	3.5 (90)	3.5 (90)
	38	Ground clearance, center wheelbase - NL	in. (mm)	4.0 (100)	4.0 (100)
	39	Brakes, method of control, service / parking		Hydraulic / Spring Applied	Hydraulic / Spring Applied
	40	Brakes, method of operation, service / parking		Foot / Automatic	Foot / Automatic
ELECTRIC	41	Battery, type		Lead acid	Lead acid
	42	Battery, volts / capacity at 6 hr rate	V / amps	36 / 1,100 max amp hours	48 / 770 max amp hours
	43	Battery, minimum / maximum weight	lbs. (kg)	2,100 (953) ¥ / 2,800 (1 270)	2,100 (953) ¥ / 2,800 (1 270)
	44	Drive motor, 60-minute rating	hp (kw)	2 x 6.4 (4.8)	2 x 6.7 (5.0)
	45	Hoist motor, S-3 15% rating	hp (kw)	12.1 (9.0)	16.1 (12.0)
		Traction motor control method		AC Transistor	AC Transistor
		Number of speeds		Infinitely variable	Infinitely variable
	55	Relief pressure for lift and tilt / attachments	psi (kPa)	2,600 (17 926) / 2,000 (13 790)	2,600 (17 926) / 2,000 (13 790)

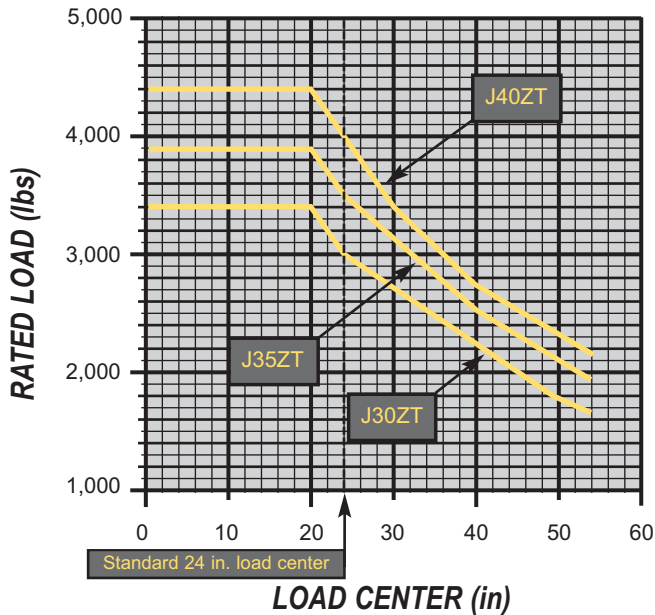
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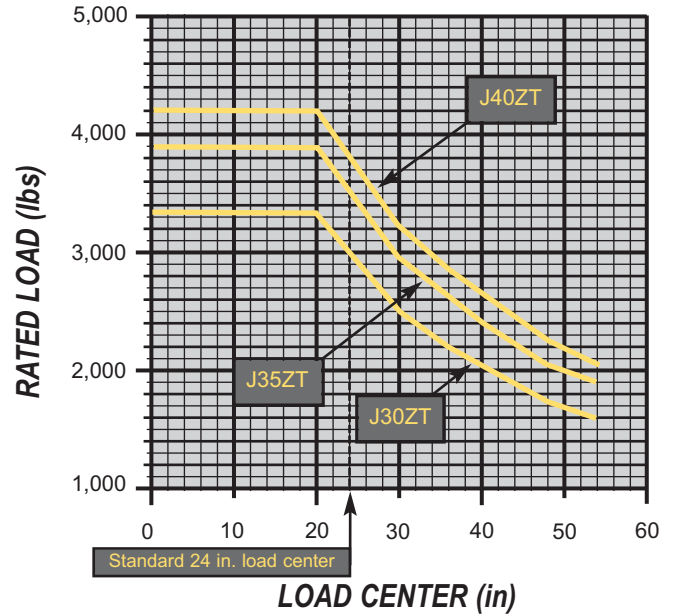
¥ Requires battery spacer / counterweight below battery.

Hyster J30-40ZT Lift Truck Rated Capacities

RATED LOAD vs. LOAD CENTER
STANDARD CARRIAGE
U. S. CUSTOMARY



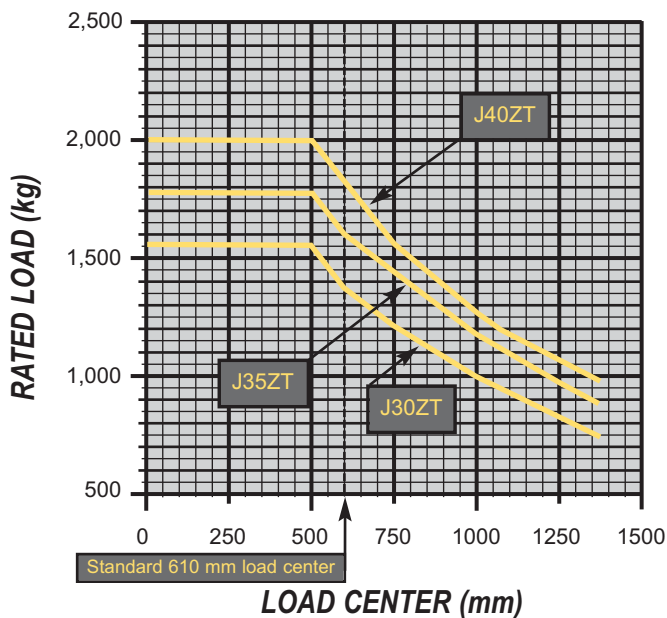
RATED LOAD vs. LOAD CENTER
INTEGRAL SIDESHIFT ATTACHMENT
U. S. CUSTOMARY



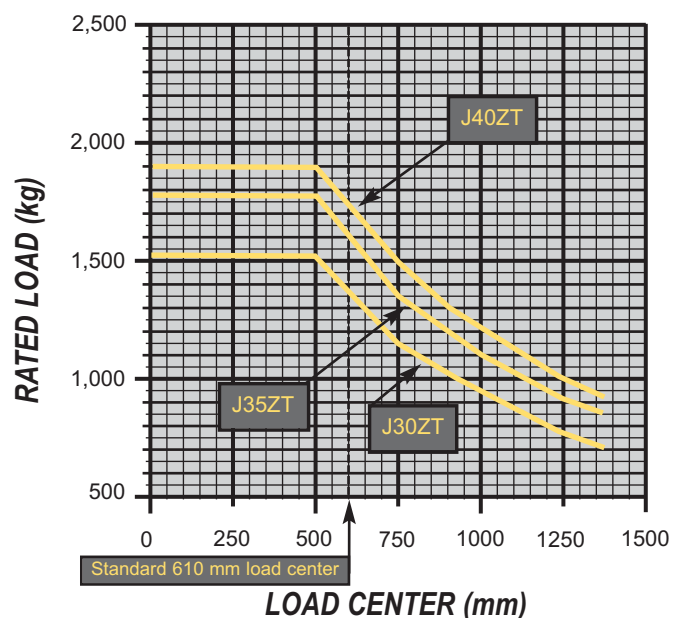
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Ratings are for the basic truck with standard equipment including overhead guard, 38.5" (978 mm) standard carriage, load backrest and forks. The truck is equipped with a 3-stage full free lift mast through 159.0" (4 039 mm) maximum fork height.

RATED LOAD vs. LOAD CENTER
STANDARD CARRIAGE
METRIC



RATED LOAD vs. LOAD CENTER
INTEGRAL SIDESHIFT ATTACHMENT
METRIC



Hyster J30-40ZT Mast & Battery Specifications

J30-40ZT MAST DIMENSIONS

Maximum Fork Height † (Top of Forks) in. (mm)	Overall Lowered Height in. (mm)	Overall Extended Height With Load Backrest Ext. in. (mm)	Overall Extended Height Without Load Backrest Ext.* in. (mm)	Free-Lift (TOF) Without Load Backrest Ext. in. (mm)
2-STAGE LIMITED FREE-LIFT (LFL) VISTA				
119 (3 032)	78 (1 980)	168 (4 255)	142 (3 606)	5 (140)
127 (3 232)	82 (2 080)	176 (4 455)	150 (3 806)	5 (140)
2-STAGE FULL FREE-LIFT (FFL) VISTA				
114 (2 918)	76 (1 930)	163 (4 141)	138 (3 492)	53 (1 356)
126 (3 218)	82 (2 080)	175 (4 441)	150 (3 792)	59 (1 506)
138 (3 518)	88 (2 230)	187 (4 741)	162 (4 092)	65 (1 656)
3-STAGE FULL FREE-LIFT (FFL) VISTA				
175 (4 450)	78 (1 980)	224 (5 673)	198 (5 019)	55 (1 411)
187 (4 750)	82 (2 080)	236 (5 973)	210 (5 319)	59 (1 511)
192 (4 900)	84 (2 130)	242 (6 123)	216 (5 469)	61 (1 561)
198 (5 050)	88 (2 230)	247 (6 273)	222 (5 619)	65 (1 661)
216 (5 500)	94 (2 380)	265 (6 723)	239 (6 069)	71 (1 811)
4-STAGE FULL FREE-LIFT (FFL) VISTA				
223 (5 664)	79 (2 007)	247 (6 264)	273 (6 913)	55 (1 407)
241 (6 121)	84 (2 121)	265 (6 721)	291 (7 370)	59 (1 521)
259 (6 579)	90 (2 273)	283 (7 179)	309 (7 828)	65 (1 674)

† Lift heights over 159.5" (4 050 mm) maximum fork height may require reduced capacity or restricted back tilt.
 * If load backrest extension is used on 2-stage FFL or 3-stage FFL, subtract 25.5" (650 mm).

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BATTERY SPECIFICATIONS

		J30ZT	J35ZT	J40ZT
Compartment size, standard L x W x H *	in. (mm)	39.0 x 21.5 x 23.1 / (991 x 546 x 587)	39.0 x 25.2 x 23.1 / (991 x 640 x 587)	39.0 x 25.2 x 23.1 / (991 x 640 x 587)
Compartment size, w/o batt. cmpt. & ctw. spacer		39.0 x 21.5 x 26.1 / (991 x 546 x 663)	39.0 x 25.2 x 26.1 / (991 x 640 x 663)	39.0 x 25.2 x 26.1 / (991 x 640 x 663)
Maximum battery size, standard L x W x H *	in. (mm)	38.8 x 21.2 x 22.8 / (986 x 538 x 579)	38.8 x 25.0 x 22.8 / (991 x 633 x 579)	38.8 x 25.0 x 22.8 / (991 x 633 x 579)
Maximum battery size, optional		38.8 x 21.2 x 25.8 / (986 x 538 x 655)	38.8 x 25.0 x 25.8 / (986 x 633 x 655)	38.8 x 25.0 x 25.8 / (986 x 633 x 655)
Voltage		36 / 48	36 / 48	36 / 48
Plates		17 / 13	21 / 15	21 / 15
Capacity, 6-hr rate / max. kWh	36v / 48v	30.6 / 30.5	38.2 / 35.8	38.2 / 35.8
Capacity, 6-hr rate / max. AH	36v / 48v	880 / 660	1 100 / 770	1 100 / 770
Battery Weight, minimum / maximum standard	lb. (kg)	1,700 (771) / 2,200 (1 043)	2,100 (953) / 2,400 (1 088)	2,100 (953) / 2,400 (1 088)
Battery Weight, minimum / maximum optional	lb. (kg)	2,000 (907) / 2,500 (1 134)	2,500 (1 134) / 2,800 (1 270)	2,500 (1 134) / 2,800 (1 270)

* Length is measured side to side of truck, width is measured front to back of truck.

Lead Length: 20" (508 mm); Gauge: 2/0 AWG; Position: A; 36-volt connector: 350 amp Gray; 48-volt connector: 350 amp Blue.

Optional compartment size is achieved by exchanging the standard compartment counterweight / spacer for a plate.

Optional 25.8" (655 mm) maximum battery height may be used if the battery counterweight / spacer is absent.

Hyster J30-40ZT Standard Features and Options

CAPACITY:

Model J30ZT: 3,000 lbs. at 24" (1 360 kg at 610 mm) load center.
 Model J35ZT: 3,500 lbs. at 24" (1 587 kg at 610 mm) load center.
 Model J40ZT: 4,000 lbs. at 24" (1 814 kg at 610 mm) load center.

Rated capacities are for trucks equipped with:

- Three-stage full free-lift mast to 159.5" (4 050 mm) maximum fork height
- 38.5" (978 mm) wide carriage with 36.0" to 60.0" (914 to 1 524 mm) long forks
- Load backrest extension
- Minimum weight battery

Hyster J30-40ZT Standard Features and Options

STANDARD EQUIPMENT

Complete truck is equipped with:

- On demand power steering with brushless steer motor
- Automatic park brake
- Wet disc brakes
- AC traction motors
- AC Transistor traction control includes: auto deceleration system (ADS), advanced thermal management, and seamless direction change
- Standard dash display includes: 20 bar segment LCD for battery state of charge; lift interrupt; alphanumeric display; numerical keypad; on board performance adjustments (with service technician password); programmable service maintenance monitor; seat belt, low brake fluid, and parking brake indicators
- Contactor DC hydraulic control includes brushwear indicator and temperature sensor
- 81.0" high grid style overhead guard
- 3-function hydraulic control valve with mechanical detent
- 2-stage limited free-lift VISTA® mast with maximum fork height of 127" (3 232 mm)
- 38.5" (978 mm) carriage with load backrest extension
- 36.0" (914 mm) long forks
- 36 volt electrical system includes 350 amp, E-type, gray battery connector
- Vinyl non-suspension seat
- 14" steering wheel with 5.3 turns lock-to-lock
- Operator restraint system
- Battery counterweight/spacer
- 5-position tilt steering column
- Cushion drive and twin cushion steer tires
- Operator's manual
- MONOTROL pedal
- UL Classification E

Battery not included.

OPTIONAL EQUIPMENT

The following equipment is available for the J30-40ZT model series:

- 48 volt
- Freezer/corrosion construction
- TouchPoint™ Mini-Lever Hydraulic Controls (requires semi-suspension or full suspension seat)
- DC transistor hydraulics with brushwear indicator and temperature sensor
- Premium instrumentation includes all of the features of the standard dash display plus: operator selectable performance modes, operator checklists, operator passwords
- Side battery extraction with sliders (requires battery counterweight spacer)
- Lever directional control
- Vinyl or cloth semi-suspension seat
- Vinyl or cloth full suspension seat (requires 81" overhead guard)
- 12" steering wheel with spinner knob
- 78" grid style overhead guard (not available w/full suspension seats)
- 81" drive-in rack overhead guard
- Pneumatic solid or cushion non-marking tires, drive and steer
- 5 degrees forward, 5 degrees back tilt mast (2-stage FFL and 3-stage FFL)
- 10 degrees forward, 5 degrees back (2-stage FFL and 3-stage FFL)
- 6 degrees forward, 4 degrees back (4-stage FFL)
- 2 LED brake lights with back-up lights
- 2 overhead guard mounted worklights, 1 rear worklight (not available on drive in rack overhead guards)
- Various fork lengths and mast heights
- 4-stage mast
- Audible and visual warning devices
- Hook-type 38.5" (978 mm) integral sideshift
- 4-function valve and hose groups
- UL Classification EE

MASTS

Two-stage and 3-stage masts feature: nested channel design with slim-diameter lift cylinders positioned behind the channels to optimize vision, full-radius, angled load rollers.

CARRIAGES

Hook-type carriages have an overall width of 38.5" (978 mm) without load backrest extension (LBE), or 39.7" (1 008 mm) with LBE. J30-40ZT trucks feature ITA Class II Mounting. Minimum inside-to-inside fork spacing is 0.12" (3 mm); maximum outside-to-outside spacing is 34.5" (876 mm).

FORKS

J30-40ZT trucks feature:
1.5" x 4.0" x 36-60" (38 x 102 x 914-1524 mm) pallet forks. Polished and tapered forks are also available in 1.5" x 4.0" x 42" (38 x 102 x 1062 mm)

ELECTRONIC CONTROLS

The lift trucks feature an AC Controlled Transistor traction control system which offers:

- Extended shift settings to match performance while maximizing battery life
- Excellent speed control utilizing closed-loop speed regulation
- Regenerative braking down to zero speed
- On board programmable performance parameters
- Auto deceleration system, which automatically slows the truck when the accelerator pedal is released
- Extensive on board diagnostics with truck status codes, error messages and connection point for PC access

- Smooth acceleration and deceleration that instantaneously switches torque from one direction to the other providing a very smooth transition between forward and reverse increasing operator productivity
- Advanced thermal management system, which gradually adjusts truck performance as required to prevent damage to critical components
- Transistor control system is mounted in the counterweight for heat dissipation and protection from damaging impacts and contaminants

HYDRAULIC SYSTEM

- 2,400 PSI (16.5 mPa) hoist system
- 2,000 PSI (13.8 mPa) with tilt / attachments
- Seat-side, manually-operated main control valve provides precise operator control of hydraulic functions.
- Utilizes a DC pump motor with brushwear indicators and temperature sensors.
- Optional electro-hydraulics provide operator comfort with fingertip control of hydraulic functions, including an adjustable padded armrest for operator preferred positioning. This option also includes a step on the right side for entry and exit from the right side of the truck.

STEERING SYSTEM

Low effort steering system features an On Demand, brushless power steering motor and rack and pinion actuator with cast iron yoke holding dual steer tires.

DRIVE TRAIN

All J30-40ZT trucks have brushless AC induction traction motors, bearing sensors for closed loop speed and direction feedback, and a splined drive shaft to allow easy motor serviceability and removal.

BRAKES

The J30-40ZT lift trucks are equipped with wet disc brakes designed for many thousands of hours of reliable and maintenance-free service and with no required adjustments. The brakes are hydraulically-actuated by the brake pedal and internally mounted within the drive unit assemblies making them impervious to contamination from water and debris.

These lift trucks also come equipped with an automatic park brake which comes on automatically when the truck comes to a stop or if the operator leaves the seat. This spring applied, electronically released brake is mounted on the drive motor shafts. The brake is released when the operator selects a direction and depresses the accelerator. The brake unit requires no adjustment.

OPERATOR COMPARTMENT

- 81" Overhead Guard
- Several seat options including semi-suspension and full suspension seats with 6" fore and aft adjustment
- Hi-rise steer column
- Fully adjustable armrest
- Wide floor board with brake pedal placement that can be used with either foot

Special attachments, equipment or accessories not listed above may be available through Applications Engineering for specific application requirements.



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Part No.: J3-40ZT/TG
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