



H50XM Lift Truck Specifications

Manufacturer Model		Hyster Company H50XM (Mazda 2.0L)	Hyster Company H50XM (GM 3.0L)	Hyster Company H50XM (Perkins 2.6L)	
CAPACITY	3 Capacity, rated	5,000 (2 268) lb. (kg)	5,000 (2 268)	5,000 (2 268)	
	4 Load Center	24 (500) in. (mm)	24 (500)	24 (500)	
	5 Power type	Gas / LPG	Gas / LPG	Diesel	
	6 Operator type	Sit	Sit	Sit	
	7 Tire type, front / rear	Pneumatic / Pneumatic	Pneumatic / Pneumatic	Pneumatic / Pneumatic	
	8 Wheels, front / rear	(X = drive) 2X / 2	2X / 2	2X / 2	
	DIMENSIONS	10 2-Stage LFL (TOF)	131.0 (3 327) in. (mm)	131.0 (3 327)	131.0 (3 327)
		11 Limited free-lift (TOF)	5.5 (140) in. (mm)	5.5 (140)	5.5 (140)
12 Optional full free-lift (TOF) with / without LBE		37.3 (947) / 61.5 (1 562) in. (mm)	37.3 (947) / 61.5 (1 562)	37.3 (947) / 61.5 (1 562)	
13 Forks, width / thickness		5.0 (127) / 1.5 (38) in. (mm)	5.0 (127) / 1.5 (38)	5.0 (127) / 1.5 (38)	
14 Tilt angle, standard mast, forward / rearward		6 / 6 °	6 / 6	6 / 6	
15 Length to face of forks		100.9 (2 563) in. (mm)	100.9 (2 563)	100.9 (2 563)	
16 Width, standard tires		45.5 (1 156) in. (mm)	45.5 (1 156)	45.5 (1 156)	
17 Height, standard mast lowered		85.5 (2 172) in. (mm)	85.5 (2 172)	85.5 (2 172)	
18 Height, std. mast extended, with / without LBE		178.3 (4 554) / 155.2 (3 942) in. (mm)	178.3 (4 554) / 155.2 (3 942)	179.3 (4 954) / 155.2 (3 942)	
19 Turning radius, minimum outside		87.4 (2 220) in. (mm)	87.4 (2 220)	87.4 (2 220)	
20 Length, center drive axle to face of forks		18.5 (470) in. (mm)	18.5 (470)	18.5 (470)	
22 Aisle width, (add load length for 90° stack)		106.0 (2 692) in. (mm)	106.0 (2 692)	106.0 (2 692)	
PERFORMANCE	23 Stability, (comply with ANSI)*	YES	YES	YES	
	24 Travel speed, max. forward Gas / LPG - RL	11.0 (17.7) / 11.0 (17.7) mph (km/hr.)	12.0 (19.3) / 11.5 (18.5)	11.2 (18.0)	
	25 Lift speed, standard mast - NL / RL	118.0 (0.60) / 104.0 (0.53) ft/min. (m/s)	125.0 (0.64) / 115.0 (0.58)	119.7 (0.61) / 106.5 (0.54)	
	Optional 2-Stage FFL mast - NL / RL	107.0 (0.54) / 95.0 (0.48) ft/min. (m/s)	113.0 (0.57) / 104.0 (0.52)	107.7 (0.55) / 97.2 (0.49)	
	Optional 3-Stage FFL mast - NL / RL	113.0 (0.57) / 99.0 (0.50) ft/min. (m/s)	119.0 (0.60) / 110.0 (0.58)	113.7 (0.58) / 101.8 (0.52)	
	26 Lowering, standard mast - NL / RL	83.0 (0.42) / 99.0 (0.50) ft/min. (m/s)	83.0 (0.42) / 99.0 (0.50)	83.0 (0.42) / 99.0 (0.50)	
	Optional 2-Stage FFL mast - NL / RL	83.0 (0.42) / 99.0 (0.50) ft/min. (m/s)	83.0 (0.42) / 99.0 (0.50)	83.0 (0.42) / 99.0 (0.50)	
	Optional 3-Stage FFL mast - NL / RL	83.0 (0.42) / 99.0 (0.50) ft/min. (m/s)	83.0 (0.42) / 99.0 (0.50)	83.0 (0.42) / 99.0 (0.50)	
	7 Drawbar pull, powerlift, 1 mph	3,200 (14.2) lb. (kN)	4,670 (20.8)	3,760 (16.7)	
	LPG data (this line only)	3,200 (14.2) lb. (kN)	4,400 (19.6)	...	
28 Gradeability, powershift, 1 mph - NL / RL	Percent	30 / 23	30 / 35	30 / 28	
LPG data (this line only)	Percent	30 / 23	30 / 33	...	
WT.	30 Total approximate weight, standard equipped truck	8,565 (3 885) lb. (kg)	8,565 (3 885)	8,565 (3 885)	
	31 Axle loading, front / rear - static rated load	12,141 (5 507) / 1,800 (726) lb. (kg)	12,141 (5 507) / 1,600 (726)	12,196 (5 532) / 1,700 (771)	
WHEELS & TIRES	32 Number of tires, front / rear	2 / 2	2 / 2	2 / 2	
	33 Tire size, drive tires (front)	7.00 x 12 - 12 PR	7.00 x 12 - 12 PR	7.00 x 12 - 12 PR	
	34 Tire size, steer tires (rear)	8.00 x 9 - 10 PR	6.00 x 9 - 10 PR	6.00 x 9 - 10 PR	
	35 Wheelbase	63.9 (1 625) in. (mm)	63.9 (1 625)	63.9 (1 625)	
	36 Tread, center of tires, steer / drive	37.8 (960) / 38.1 (968) in. (mm)	37.8 (960) / 38.1 (968)	37.8 (960) / 38.1 (968)	
	37 Ground clearance, lowest point - no load	5.2 (132) in. (mm)	5.2 (132)	5.2 (132)	
	38 Ground clearance, center of wheelbase - no load	6.3 (160) in. (mm)	6.3 (160)	6.3 (160)	
	39 Brakes, method of control, service / parking	Hydraulic / Mechanical	Hydraulic / Mechanical	Hydraulic / Mechanical	
	40 Brakes, method of operation, service / parking	Foot / Hand	Foot / Hand	Foot / Hand	
	42 Battery, volts / cold cranking amps	12 / 305 V / amps	12 / 305	12 / 590	
DRIVE TRAIN	48 Engine, make/model	Mazda 2.0L	GM 3.0L	Perkins 704-26	
	47 Output per SAE standards	42.0 (31) / 42.0 (31) hp (kW)	62.0 (46) / 58.9 (44)	57.6 (43)	
	48 Governed speed - no load	2,800 RPM	2,900	2,800	
	49 Cycle / number of cylinders / displacement	4 / 4 / 122.0 (2 000) cu.in. (cm ³)	4 / 4 / 181.0 (2 966)	4 / 4 / 159 (2 601)	
	51 Clutch type, powershift	Torque Converter	Torque Converter	Torque Converter	
	52 Gear change type, powershift	Monotrol pedal	Monotrol pedal	Monotrol pedal	
	53 Number of speeds, forward / reverse	1 / 1	1 / 1	1 / 1	
	54 Transmission type	Powershift	Powershift	Powershift	
	65 Relief pressure for attachments	2,250 (15 500) psi (kPa)	2,250 (15 500)	2,250 (15 500)	

* NOTE: Performance specifications are for 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 the nature and condition of the operating environment. If these specifications are critical, the proposed application should be discussed with your dealer.

† 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 with Part III ANSI B56.1 in effect at the time of manufacture. Declaration of compliance with the applicable ANSI standards appears on the lift truck's nameplate which is affixed to truck when shipped complete from the factory.