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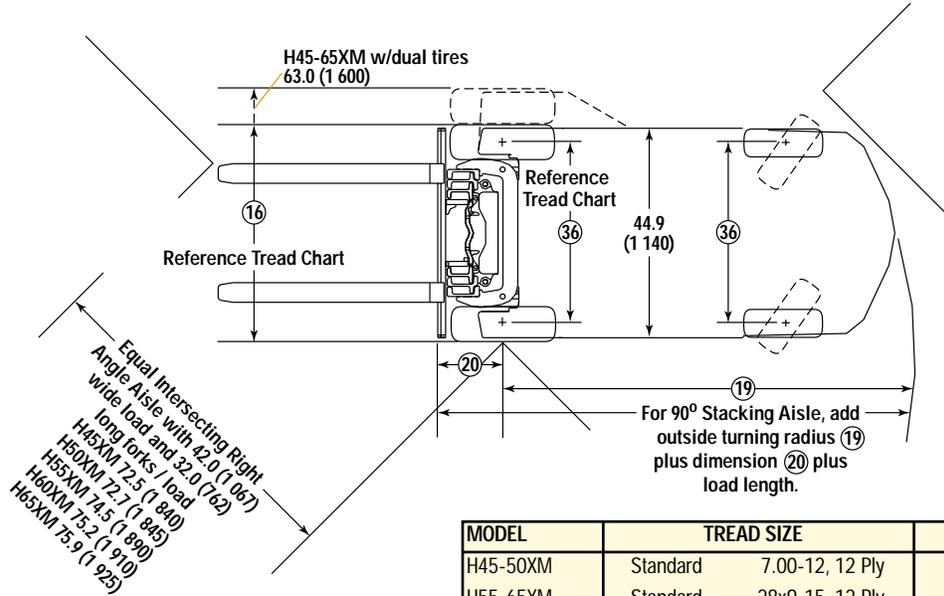
H45-65XM

Sit-down, Counterbalanced, Pneumatic Tire I.C.E. Lift Truck Series



TECHNICAL GUIDE

Hyster H45-65XM Lift Truck Dimensions

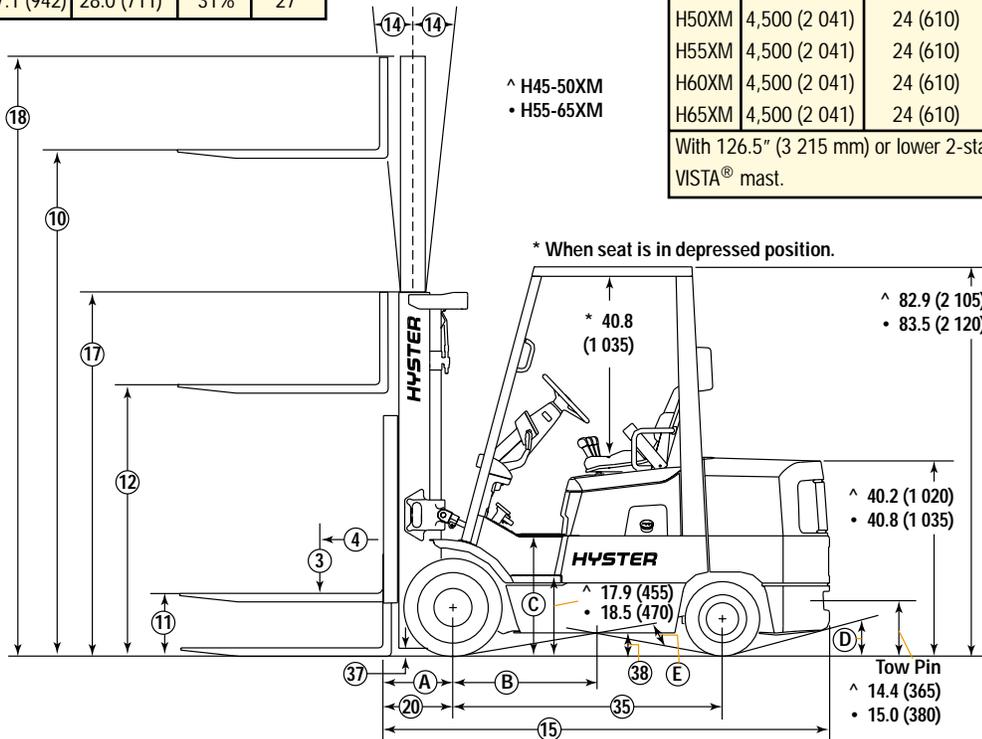


MODEL	TREAD SIZE	TREAD WIDTH
H45-50XM	Standard 7.00-12, 12 Ply	45.5 (1 156)
H55-65XM	Standard 28x9-15, 12 Ply	47.2 (1 199)
H45-50XM	Wide 7.00-12, 12 Ply	52.0 (1 321)
H55-65XM	Wide 28x9-15, 12 Ply	52.6 (1 336)

MODEL	MAST	A	B	C	D	E
		in. (mm)	in. (mm)	in. (mm)	%	deg.
H45XM	ALL	18.5 (470)	31.2 (793)	27.4 (696)	36%	26°
H50XM	ALL	18.5 (470)	33.7 (856)	27.4 (696)	31%	26°
H55XM	ALL	18.5 (470)	36.0 (914)	28.0 (711)	30%	28°
H60XM	ALL	18.8 (478)	37.1 (942)	28.0 (711)	28%	28°
H65XM	ALL	18.8 (478)	37.1 (942)	28.0 (711)	31%	27°

MODEL	CAPACITY	LOAD CENTER	MOMENT
	lb. (kg)	in. (mm)	in-lb (cm-kg)
H45XM	4,500 (2 041)	24 (610)	191,250 (218 250)
H50XM	4,500 (2 041)	24 (610)	191,250 (218 250)
H55XM	4,500 (2 041)	24 (610)	191,250 (218 250)
H60XM	4,500 (2 041)	24 (610)	191,250 (218 250)
H65XM	4,500 (2 041)	24 (610)	191,250 (218 250)

With 126.5" (3 215 mm) or lower 2-stage limited free-lift VISTA® mast.



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

Hyster H45XM Lift Truck Specifications

GENERAL	1	Manufacturer	Hyster Company	Hyster Company	Hyster Company	Hyster Company	
	2	Model	H45XM (Mazda 2.0L)	H45XM (GM 3.0L)	H45XM (Perkins 2.6L)	H45XM (Mazda 2.2L)	
	3	Capacity, rated	lb. (kg)	4,500 (2 041)	4,500 (2 041)	4,500 (2 041)	4,500 (2 041)
	4	Load center	in. (mm)	24 (610)	24 (610)	24 (610)	24 (610)
	5	Power type		Gas/LPG	Gas/LPG	Diesel	Gas/LPG
	6	Operator type		Sit	Sit	Sit	Sit
	7	Tire type, front / rear		Pneumatic/Pneumatic	Pneumatic/Pneumatic	Pneumatic/Pneumatic	Pneumatic/Pneumatic
	8	Wheels, front / rear	(X=driven)	2X / 2	2X / 2	2X / 2	2X / 2

DIMENSIONS	10	2-stg. LFL (TOF)	in. (mm)	131.0 (3 327)	131.0 (3 327)	131.0 (3 327)	131.0 (3 327)
	11	Limited free-lift (TOF)	in. (mm)	5.5 (140)	5.5 (140)	5.5 (140)	5.5 (140)
	12	Optional full free-lift (TOF) with / without LBE	in. (mm)	37.3 (947) / 61.5 (1 562)	37.3 (947) / 61.5 (1 562)	37.3 (947) / 61.5 (1 562)	37.3 (947) / 61.5 (1 562)
	13	Forks, width / thickness	in. (mm)	5.0 (127) / 1.5 (38)	5.0 (127) / 1.5 (38)	5.0 (127) / 1.5 (38)	5.0 (127) / 1.5 (38)
	14	Tilt angle, forward / backward	Deg. °	6 / 6	6 / 6	6 / 6	6 / 6
	15	Length to face of forks	in. (mm)	98.9 (2 512)	98.9 (2 512)	98.9 (2 512)	98.9 (2 512)
	16	Width, standard tires	in. (mm)	45.5 (1 156)	45.5 (1 156)	45.5 (1 156)	45.5 (1 156)
	17	Height, standard mast lowered	in. (mm)	85.5 (2 172)	85.5 (2 172)	85.5 (2 172)	85.5 (2 172)
	18	Height, std. mast extended with / without LBE	in. (mm)	179.3 (4 554) / 155.2 (3 942)	179.3 (4 554) / 155.2 (3 942)	179.3 (4 554) / 155.2 (3 942)	179.3 (4 554) / 155.2 (3 942)
	19	Turning radius, minimum outside	in. (mm)	85.2 (2 164)	85.2 (2 164)	85.2 (2 164)	85.2 (2 164)
	20	Length, center drive axle to face of forks	in. (mm)	18.5 (470)	18.5 (470)	18.5 (470)	18.5 (470)
22	Aisle width	in. (mm)	103.8 (2 637)	103.8 (2 637)	103.8 (2 637)	103.8 (2 637)	
	Right angle stacking aisle (40 x 48 pallet)	in. (mm)	151.7 (3 853)	151.7 (3 853)	151.7 (3 853)	151.7 (3 853)	

PERFORMANCE	23	Stability (Comply with ANSI?) *		YES	YES	YES	YES
	24	Travel speed, max. fwd, Gas/LPG, RL	mph (km/h)	11.0 (17.7) / 11.0 (17.7)	12.0 (19.3) / 11.5 (18.5)	11.2 (18.0)	11.2 (18.0) / 11.2 (18.0)
	25	Lift speed, standard LFL mast NL / RL	ft/min (m/s)	118.0 (0.60) / 105.0 (0.53)	125.0 (0.64) / 116.0 (0.59)	119.7 (0.61) / 107.8 (0.55)	130.0 (0.66) / 116.0 (0.59)
		Opt. 2-stage FFL mast NL / RL	ft/min (m/s)	107.0 (0.54) / 96.0 (0.49)	113.0 (0.57) / 105.0 (0.53)	107.7 (0.55) / 98.3 (0.50)	117.0 (0.59) / 106.0 (0.54)
		Opt. 3-stage FFL mast NL / RL	ft/min (m/s)	113.0 (0.57) / 101.0 (0.51)	119.0 (0.60) / 111.0 (0.56)	113.7 (0.58) / 103.1 (0.52)	123.0 (0.62) / 111.0 (0.56)
	26	Lowering, standard LFL mast NL / RL	ft/min (m/s)	83.0 (0.42) / 99.0 (0.50)	83.0 (0.42) / 99.0 (0.50)	83.0 (0.42) / 99.0 (0.50)	83.0 (0.42) / 99.0 (0.50)
		Opt. 2-stage FFL mast NL / RL	ft/min (m/s)	83.0 (0.42) / 99.0 (0.50)	83.0 (0.42) / 99.0 (0.50)	83.0 (0.42) / 99.0 (0.50)	83.0 (0.42) / 99.0 (0.50)
		Opt. 3-stage FFL mast NL / RL	ft/min (m/s)	83.0 (0.42) / 99.0 (0.50)	83.0 (0.42) / 99.0 (0.50)	83.0 (0.42) / 99.0 (0.50)	83.0 (0.42) / 99.0 (0.50)
	27	Drawbar pull, powershift, 1 mph NL / RL	lb _f (kN)	3,099 (13.8) / 3,200 (14.2)	4,501 (20.0) / 4,680 (20.8)	3,637 (16.2) / 3,768 (16.8)	3,680 (16.4) / 3,800 (16.9)
		LPG data (this line only) NL / RL	lb _f (kN)	3,099 (13.8) / 3,200 (14.2)	4,245 (18.9) / 4,410 (19.6)	--	3,680 (16.4) / 3,800 (16.9)
28	Gradeability, powershift, 1 mph NL / RL	%	33 / 25	33 / 38	33 / 30	33 / 31	
	LPG data (this line only) NL / RL	%	33 / 25	33 / 36	--	33 / 31	

WT.	30	Weight, total approximate without battery	lb. (kg)	8,120 (3 683)	8,120 (3 683)	8,120 (3 683)	8,120 (3 683)
	31	Axle loading, static, front / rear - RL	lb. (kg)	11,553 (5 240) / 1,243 (564)	11,553 (5 240) / 1,243 (564)	11,613 (5 268) / 1,338 (607)	11,553 (5 240) / 1,243 (564)

TIRES & WHEELS	33	Size of drive tires, front		7.00 x 12 - 12 Ply			
	34	Size of steer tires, rear		6.00 x 9 - 10 Ply			
	35	Wheelbase	in. (mm)	63.9 (1 623)	63.9 (1 623)	63.9 (1 623)	63.9 (1 623)
	36	Tread, center of tires steer / drive	in. (mm)	37.8 (960) / 38.1 (968)	37.8 (960) / 38.1 (968)	37.8 (960) / 38.1 (968)	37.8 (960) / 38.1 (968)
	37	Ground clearance, lowest point - NL	in. (mm)	5.2 (132)	5.2 (132)	5.2 (132)	5.2 (132)
	38	Ground clearance, center wheelbase - NL	in. (mm)	6.3 (160)	6.3 (160)	6.3 (160)	6.3 (160)
	39	Brakes, method of control, service / parking		Hydraulic / Mechanical	Hydraulic / Mechanical	Hydraulic / Mechanical	Hydraulic / Mechanical
	40	Brakes, method of operation, service / parking		Foot / Hand	Foot / Hand	Foot / Hand	Foot / Hand

POWERTRAIN	42	Battery, volts / cold cranking amps	V / amps	12 / 305	12 / 305	12 / 590	12 / 305
	47	Output per SAE standards, Gas / LPG	hp (kW)	42.0 (31) / 42.0 (31)	62.0 (46) / 58.9 (44)	57.6 (43)	47.0 (35) / 47.0 (35)
	48	Governed Speed	RPM	2,800	2,700	2,600	2,800
	49	Cycle / number of cylinders / displacement cu. in.	(cm ³)	4 / 4 / 122.0 (1 999)	4 / 4 / 181.0 (2 966)	4 / 4 / 149.0 (2 442)	4 / 4 / 133.0 (2 184)
	51	Clutch type, powershift		Torque Converter	Torque Converter	Torque Converter	Torque Converter
	52	Gear change type, powershift		Monotrol Pedal	Monotrol Pedal	Monotrol Pedal	Monotrol Pedal
	53	Number of speeds, forward/reverse		1 / 1	1 / 1	1 / 1	1 / 1
	54	Transmission type		Powershift	Powershift	Powershift	Powershift
55	Relief pressure for attachments	psi (kPa)	2,250 (15 513)	2,250 (15 513)	2,250 (15 513)	2,250 (15 513)	

* **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's nameplate which is affixed to the truck when shipped complete from the factory.

† **NOTE:** Performance specifications/ratings are for truck equipped as described under **Standard Equipment** in 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 local authorized Hyster Dealer.

Hyster H50XM Lift Truck Specifications

GENERAL	1	Manufacturer	Hyster Company	Hyster Company	Hyster Company	Hyster Company	
	2	Model	H50XM (Mazda 2.0L)	H50XM (GM 3.0L)	H50XM (Perkins 2.6L)	H50XM (Mazda 2.2L)	
	3	Capacity, rated	lb. (kg)	5,000 (2 268)	5,000 (2 268)	5,000 (2 268)	5,000 (2 268)
	4	Load center	in. (mm)	24 (610)	24 (610)	24 (610)	24 (610)
	5	Power type		Gas/LPG	Gas/LPG	Diesel	Gas/LPG
	6	Operator type		Sit	Sit	Sit	Sit
	7	Tire type, front / rear		Pneumatic/Pneumatic	Pneumatic/Pneumatic	Pneumatic/Pneumatic	Pneumatic/Pneumatic
	8	Wheels, front / rear	(X=driven)	2X / 2	2X / 2	2X / 2	2X / 2

DIMENSIONS	10	2-stg. LFL (TOF)	in. (mm)	131.0 (3 327)	131.0 (3 327)	131.0 (3 327)	131.0 (3 327)
	11	Limited free-lift (TOF)	in. (mm)	5.5 (140)	5.5 (140)	5.5 (140)	5.5 (140)
	12	Optional full free-lift (TOF) with / without LBE	in. (mm)	37.3 (947) / 61.5 (1 562)	37.3 (947) / 61.5 (1 562)	37.3 (947) / 61.5 (1 562)	37.3 (947) / 61.5 (1 562)
	13	Forks, width / thickness	in. (mm)	5.0 (127) / 1.5 (38)	5.0 (127) / 1.5 (38)	5.0 (127) / 1.5 (38)	5.0 (127) / 1.5 (38)
	14	Tilt angle, forward / backward	Deg. °	6 / 6	6 / 6	6 / 6	6 / 6
	15	Length to face of forks	in. (mm)	100.9 (2 563)	100.9 (2 563)	100.9 (2 563)	100.9 (2 563)
	16	Width, standard tires	in. (mm)	45.5 (1 156)	45.5 (1 156)	45.5 (1 156)	45.5 (1 156)
	17	Height, standard mast lowered	in. (mm)	85.5 (2 172)	85.5 (2 172)	85.5 (2 172)	85.5 (2 172)
	18	Height, std. mast extended with / without LBE	in. (mm)	179.3 (4 554) / 155.2 (3 942)	179.3 (4 554) / 155.2 (3 942)	179.3 (4 554) / 155.2 (3 942)	179.3 (4 554) / 155.2 (3 942)
	19	Turning radius, minimum outside	in. (mm)	87.4 (2 220)	87.4 (2 220)	87.4 (2 220)	87.4 (2 220)
	20	Length, center drive axle to face of forks	in. (mm)	18.5 (470)	18.5 (470)	18.5 (470)	18.5 (470)
	22	Aisle width	in. (mm)	106.0 (2 692)	106.0 (2 692)	106.0 (2 692)	106.0 (2 692)
	Right angle stacking aisle (40 x 48 pallet)	in. (mm)	153.9 (3 909)	153.9 (3 909)	153.9 (3 909)	153.9 (3 909)	

PERFORMANCE	23	Stability (Comply with ANSI?) *		YES	YES	YES	YES
	24	Travel speed, max. fwd, Gas/LPG, RL	mph (km/h)	11.0 (17.7) / 11.0 (17.7)	12.0 (19.3) / 11.5 (18.5)	11.2 (18.0)	11.2 (18.0) / 11.2 (18.0)
	25	Lift speed, standard LFL mast NL / RL	ft/min (m/s)	118.0 (0.60) / 104.0 (0.53)	125.0 (0.64) / 115.0 (0.58)	119.7 (0.61) / 106.5 (0.54)	130.0 (0.66) / 114.0 (0.58)
		Opt. 2-stage FFL mast NL / RL	ft/min (m/s)	107.0 (0.54) / 95.0 (0.48)	113.0 (0.57) / 104.0 (0.53)	107.7 (0.55) / 97.2 (0.49)	117.0 (0.59) / 104.0 (0.53)
		Opt. 3-stage FFL mast NL / RL	ft/min (m/s)	113.0 (0.57) / 99.0 (0.50)	119.0 (0.60) / 110.0 (0.56)	113.7 (0.58) / 101.8 (0.52)	123.0 (0.62) / 109.0 (0.55)
	26	Lowering, standard LFL mast NL / RL	ft/min (m/s)	83.0 (0.42) / 99.0 (0.50)	83.0 (0.42) / 99.0 (0.50)	83.0 (0.42) / 99.0 (0.50)	83.0 (0.42) / 99.0 (0.50)
		Opt. 2-stage FFL mast NL / RL	ft/min (m/s)	83.0 (0.42) / 99.0 (0.50)	83.0 (0.42) / 99.0 (0.50)	83.0 (0.42) / 99.0 (0.50)	83.0 (0.42) / 99.0 (0.50)
		Opt. 3-stage FFL mast NL / RL	ft/min (m/s)	83.0 (0.42) / 99.0 (0.50)	83.0 (0.42) / 99.0 (0.50)	83.0 (0.42) / 99.0 (0.50)	83.0 (0.42) / 99.0 (0.50)
	27	Drawbar pull, powershift, 1 mph NL / RL	lb _f (kN)	3,107 (13.8) / 3,200 (14.2)	4,499 (20.0) / 4,670 (20.8)	3,635 (16.2) / 3,758 (16.7)	3,680 (16.4) / 3,790 (16.9)
		LPG data (this line only) NL / RL	lb _f (kN)	3,107 (13.8) / 3,200 (14.2)	4,243 (18.9) / 4,400 (19.6)	--	3,680 (16.4) / 3,790 (16.9)
28	Gradeability, powershift, 1 mph NL / RL	%	30 / 23	30 / 35	30 / 28	30 / 28	
	LPG data (this line only) NL / RL	%	30 / 23	30 / 33	--	30 / 28	

WT.	30	Weight, total approximate without battery	lb. (kg)	8,565 (3 885)	8,565 (3 885)	8,565 (3 885)	8,565 (3 885)
	31	Axle loading, static, front / rear - RL	lb. (kg)	12,141 (5 507) / 1,600 (726)	12,141 (5 507) / 1,600 (726)	12,196 (5 532) / 1,700 (771)	12,141 (5 507) / 1,600 (726)

TIRES & WHEELS	33	Size of drive tires, front		7.00 x 12 - 12 Ply			
	34	Size of steer tires, rear		6.00 x 9 - 10 Ply			
	35	Wheelbase	in. (mm)	63.9 (1 623)	63.9 (1 623)	63.9 (1 623)	63.9 (1 623)
	36	Tread, center of tires steer / drive	in. (mm)	37.8 (960) / 38.1 (968)	37.8 (960) / 38.1 (968)	37.8 (960) / 38.1 (968)	37.8 (960) / 38.1 (968)
	37	Ground clearance, lowest point - NL	in. (mm)	5.2 (132)	5.2 (132)	5.2 (132)	5.2 (132)
	38	Ground clearance, center wheelbase - NL	in. (mm)	6.3 (160)	6.3 (160)	6.3 (160)	6.3 (160)
	39	Brakes, method of control, service / parking		Hydraulic / Mechanical	Hydraulic / Mechanical	Hydraulic / Mechanical	Hydraulic / Mechanical
	40	Brakes, method of operation, service / parking		Foot / Hand	Foot / Hand	Foot / Hand	Foot / Hand

POWERTRAIN	42	Battery, volts / cold cranking amps	V / amps	12 / 305	12 / 305	12 / 590	12 / 305
	47	Output per SAE standards, Gas / LPG	hp (kW)	42.0 (31) / 42.0 (31)	62.0 (46) / 58.9 (44)	57.6 (43)	47.0 (35) / 47.0 (35)
	48	Governed Speed	RPM	2,800	2,700	2,600	2,800
	49	Cycle / number of cylinders / displacement cu. in.	(cm ³)	4 / 4 / 122.0 (1 999)	4 / 4 / 181.0 (2 966)	4 / 4 / 159.0 (2 606)	4 / 4 / 133.0 (2 184)
	51	Clutch type, powershift		Torque Converter	Torque Converter	Torque Converter	Torque Converter
	52	Gear change type, powershift		Monotrol Pedal	Monotrol Pedal	Monotrol Pedal	Monotrol Pedal
	53	Number of speeds, forward/reverse		1 / 1	1 / 1	1 / 1	1 / 1
	54	Transmission type		Powershift	Powershift	Powershift	Powershift
55	Relief pressure for attachments	psi (kPa)	2,250 (15 513)	2,250 (15 513)	2,250 (15 513)	2,250 (15 513)	

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† **NOTE:** Performance specifications/ratings are for truck equipped as described under **Standard Equipment** in 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 local authorized Hyster Dealer.

Hyster H55XM Lift Truck Specifications

GENERAL	1	Manufacturer	Hyster Company	Hyster Company	Hyster Company	Hyster Company	
	2	Model	H55XM (Mazda 2.0L)	H55XM (GM 3.0L)	H55XM (Perkins 2.6L)	H55XM (Mazda 2.2L)	
	3	Capacity, rated	lb. (kg)	5,500 (2 495)	5,500 (2 495)	5,500 (2 495)	5,500 (2 495)
	4	Load center	in. (mm)	24 (610)	24 (610)	24 (610)	24 (610)
	5	Power type		Gas/LPG	Gas/LPG	Diesel	Gas/LPG
	6	Operator type		Sit	Sit	Sit	Sit
	7	Tire type, front / rear		Pneumatic/Pneumatic	Pneumatic/Pneumatic	Pneumatic/Pneumatic	Pneumatic/Pneumatic
	8	Wheels, front / rear	(X=driven)	2X / 2	2X / 2	2X / 2	2X / 2

DIMENSIONS	10	2-stg. LFL (TOF)	in. (mm)	131.0 (3 327)	131.0 (3 327)	131.0 (3 327)	131.0 (3 327)
	11	Limited free-lift (TOF)	in. (mm)	5.5 (140)	5.5 (140)	5.5 (140)	5.5 (140)
	12	Optional full free-lift (TOF) with / without LBE	in. (mm)	37.3 (947) / 61.5 (1 562)	37.3 (947) / 61.5 (1 562)	37.3 (947) / 61.5 (1 562)	37.3 (947) / 61.5 (1 562)
	13	Forks, width / thickness	in. (mm)	5.0 (127) / 1.5 (38)	5.0 (127) / 1.5 (38)	5.0 (127) / 1.5 (38)	5.0 (127) / 1.5 (38)
	14	Tilt angle, forward / backward	Deg. °	6 / 6	6 / 6	6 / 6	6 / 6
	15	Length to face of forks	in. (mm)	103.1 (2 619)	103.1 (2 619)	103.1 (2 619)	103.1 (2 619)
	16	Width, standard tires	in. (mm)	47.4 (1 204)	47.4 (1 204)	47.4 (1 204)	47.4 (1 204)
	17	Height, standard mast lowered	in. (mm)	85.5 (2 172)	85.5 (2 172)	85.5 (2 172)	85.5 (2 172)
	18	Height, std. mast extended with / without LBE	in. (mm)	179.3 (4 554) / 155.2 (3 942)	179.3 (4 554) / 155.2 (3 942)	179.3 (4 554) / 155.2 (3 942)	179.3 (4 554) / 155.2 (3 942)
	19	Turning radius, minimum outside	in. (mm)	89.2 (2 266)	89.2 (2 266)	89.2 (2 266)	89.2 (2 266)
	20	Length, center drive axle to face of forks	in. (mm)	18.5 (470)	18.5 (470)	18.5 (470)	18.5 (470)
	22	Aisle width	in. (mm)	107.7 (2 736)	107.7 (2 736)	107.7 (2 736)	107.7 (2 736)
	Right angle stacking aisle (40 x 48 pallet)	in. (mm)	155.7 (3 955)	155.7 (3 955)	155.7 (3 955)	155.7 (3 955)	

PERFORMANCE†	23	Stability (Comply with ANSI?) *		YES	YES	YES	YES
	24	Travel speed, max. fwd, Gas/LPG, RL	mph (km/h)	11.7 (18.8) / 11.7 (18.8)	12.7 (20.4) / 12.2 (19.6)	11.8 (19.0)	11.8 (19.0) / 11.8 (19.0)
	25	Lift speed, standard LFL mast NL / RL	ft/min (m/s)	118.0 (0.60) / 102.0 (0.52)	125.0 (0.64) / 113.0 (0.57)	119.7 (0.61) / 104.9 (0.53)	130.0 (0.66) / 113.0 (0.57)
		Opt. 2-stage FFL mast NL / RL	ft/min (m/s)	107.0 (0.54) / 94.0 (0.48)	113.0 (0.57) / 103.0 (0.52)	107.7 (0.55) / 96.0 (0.49)	117.0 (0.59) / 103.0 (0.52)
		Opt. 3-stage FFL mast NL / RL	ft/min (m/s)	113.0 (0.57) / 98.0 (0.50)	119.0 (0.60) / 109.0 (0.55)	113.7 (0.58) / 100.6 (0.51)	123.0 (0.62) / 108.0 (0.55)
	26	Lowering, standard LFL mast NL / RL	ft/min (m/s)	83.0 (0.42) / 99.0 (0.50)	83.0 (0.42) / 99.0 (0.50)	83.0 (0.42) / 99.0 (0.50)	83.0 (0.42) / 99.0 (0.50)
		Opt. 2-stage FFL mast NL / RL	ft/min (m/s)	83.0 (0.42) / 99.0 (0.50)	83.0 (0.42) / 99.0 (0.50)	83.0 (0.42) / 99.0 (0.50)	83.0 (0.42) / 99.0 (0.50)
		Opt. 3-stage FFL mast NL / RL	ft/min (m/s)	83.0 (0.42) / 99.0 (0.50)	83.0 (0.42) / 99.0 (0.50)	83.0 (0.42) / 99.0 (0.50)	83.0 (0.42) / 99.0 (0.50)
	27	Drawbar pull, powershift, 1 mph NL / RL	lb _f (kN)	2,963 (13.2) / 3,040 (13.5)	4,270 (19.0) / 4,420 (19.7)	3,427 (15.2) / 3,530 (15.7)	3,535 (15.7) / 3,630 (16.2)
		LPG data (this line only) NL / RL	lb _f (kN)	2,963 (13.2) / 3,040 (13.5)	4,024 (17.9) / 4,160 (18.5)	--	3,535 (15.7) / 3,630 (16.2)
28	Gradeability, powershift, 1 mph NL / RL	%	28 / 22	28 / 31	28 / 24	28 / 26	
	LPG data (this line only) NL / RL	%	28 / 22	28 / 29	--	28 / 26	

WT.	30	Weight, total approximate without battery	lb. (kg)	8,960 (4 064)	8,960 (4 064)	8,960 (4 064)	8,960 (4 064)
	31	Axle loading, static, front / rear - RL	lb. (kg)	12,962 (5 880) / 1,674 (759)	12,962 (5 880) / 1,674 (759)	13,017 (5 904) / 1,774 (805)	12,962 (5 880) / 1,674 (759)

TIRES & WHEELS	33	Size of drive tires, front		28.00 x 9 - 15 - 12 Ply	28.00 x 9 - 15 - 12 Ply	28.00 x 9 - 15 - 12 Ply	28.00 x 9 - 15 - 12 Ply
	34	Size of steer tires, rear		6.50 x 10 - 10 Ply			
	35	Wheelbase	in. (mm)	63.9 (1 623)	63.9 (1 623)	63.9 (1 623)	63.9 (1 623)
	36	Tread, center of tires steer / drive	in. (mm)	38.2 (970) / 38.1 (968)	38.2 (970) / 38.1 (968)	38.2 (970) / 38.1 (968)	38.2 (970) / 38.1 (968)
	37	Ground clearance, lowest point - NL	in. (mm)	5.2 (132)	5.2 (132)	5.2 (132)	5.2 (132)
	38	Ground clearance, center wheelbase - NL	in. (mm)	6.9 (175)	6.9 (175)	6.9 (175)	6.9 (175)
	39	Brakes, method of control, service / parking		Hydraulic / Mechanical	Hydraulic / Mechanical	Hydraulic / Mechanical	Hydraulic / Mechanical
	40	Brakes, method of operation, service / parking		Foot / Hand	Foot / Hand	Foot / Hand	Foot / Hand

POWERTRAIN	42	Battery, volts / cold cranking amps	V / amps	12 / 305	12 / 305	12 / 590	12 / 305
	47	Output per SAE standards, Gas / LPG	hp (kW)	42.0 (31) / 42.0 (31)	62.0 (46) / 58.9 (44)	57.6 (43)	47.0 (35) / 47.0 (35)
	48	Governed Speed	RPM	2,800	2,700	2,600	2,800
	49	Cycle / number of cylinders / displacement cu. in.	(cm ³)	4 / 4 / 122.0 (1 999)	4 / 4 / 181.0 (2 966)	4 / 4 / 159.0 (2 606)	4 / 4 / 133.0 (2 184)
	51	Clutch type, powershift		Torque Converter	Torque Converter	Torque Converter	Torque Converter
	52	Gear change type, powershift		Monotrol Pedal	Monotrol Pedal	Monotrol Pedal	Monotrol Pedal
	53	Number of speeds, forward/reverse		1 / 1	1 / 1	1 / 1	1 / 1
	54	Transmission type		Powershift	Powershift	Powershift	Powershift
55	Relief pressure for attachments	psi (kPa)	2,250 (15 513)	2,250 (15 513)	2,250 (15 513)	2,250 (15 513)	

* **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's nameplate which is affixed to the truck when shipped complete from the factory.

† **NOTE:** Performance specifications/ratings are for truck equipped as described under **Standard Equipment** in 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 local authorized Hyster Dealer.

Hyster H60XM Lift Truck Specifications

GENERAL	1	Manufacturer	Hyster Company	Hyster Company	Hyster Company	Hyster Company	
	2	Model	H60XM (Mazda 2.0L)	H60XM (GM 3.0L)	H60XM (Perkins 2.6L)	H60XM (Mazda 2.2L)	
	3	Capacity, rated	lb. (kg)	6,000 (2 722)	6,000 (2 722)	6,000 (2 722)	6,000 (2 722)
	4	Load center	in. (mm)	24 (610)	24 (610)	24 (610)	24 (610)
	5	Power type		Gas/LPG	Gas/LPG	Diesel	Gas/LPG
	6	Operator type		Sit	Sit	Sit	Sit
	7	Tire type, front / rear		Pneumatic/Pneumatic	Pneumatic/Pneumatic	Pneumatic/Pneumatic	Pneumatic/Pneumatic
	8	Wheels, front / rear	(X=driven)	2X / 2	2X / 2	2X / 2	2X / 2

DIMENSIONS	10	2-stg. LFL (TOF)	in. (mm)	131.0 (3 327)	131.0 (3 327)	131.0 (3 327)	131.0 (3 327)
	11	Limited free-lift (TOF)	in. (mm)	5.5 (140)	5.5 (140)	5.5 (140)	5.5 (140)
	12	Optional full free-lift (TOF) with / without LBE	in. (mm)	38.4 (975) / 59.0 (1 499)	38.4 (975) / 59.0 (1 499)	38.4 (975) / 59.0 (1 499)	38.4 (975) / 59.0 (1 499)
	13	Forks, width / thickness	in. (mm)	5.0 (127) / 2.0 (51)	5.0 (127) / 2.0 (51)	5.0 (127) / 2.0 (51)	5.0 (127) / 2.0 (51)
	14	Tilt angle, forward / backward	Deg. °	6 / 6	6 / 6	6 / 6	6 / 6
	15	Length to face of forks	in. (mm)	104.9 (2 665)	104.9 (2 665)	104.9 (2 665)	104.9 (2 665)
	16	Width, standard tires	in. (mm)	47.4 (1 204)	47.4 (1 204)	47.4 (1 204)	47.4 (1 204)
	17	Height, standard mast lowered	in. (mm)	86.5 (2 197)	86.5 (2 197)	86.5 (2 197)	86.5 (2 197)
	18	Height, std. mast extended with / without LBE	in. (mm)	174.9 (4 442) / 153.7 (3 904)	174.9 (4 442) / 153.7 (3 904)	174.9 (4 442) / 153.7 (3 904)	174.9 (4 442) / 153.7 (3 904)
	19	Turning radius, minimum outside	in. (mm)	90.6 (2 301)	90.6 (2 301)	90.6 (2 301)	90.6 (2 301)
	20	Length, center drive axle to face of forks	in. (mm)	18.8 (478)	18.8 (478)	18.8 (478)	18.8 (478)
	22	Aisle width	in. (mm)	109.5 (2 781)	109.5 (2 781)	109.5 (2 781)	109.5 (2 781)
	Right angle stacking aisle (40 x 48 pallet)	in. (mm)	157.4 (3 998)	157.4 (3 998)	157.4 (3 998)	157.4 (3 998)	

PERFORMANCE†	23	Stability (Comply with ANSI?) *		YES	YES	YES	YES
	24	Travel speed, max. fwd, Gas/LPG, RL	mph (km/h)	11.7 (18.8) / 11.7 (18.8)	12.7 (20.4) / 12.2 (19.6)	11.8 (19.0)	11.8 (19.0) / 11.8 (19.0)
	25	Lift speed, standard LFL mast NL / RL	ft/min (m/s)	104.0 (0.53) / 90.0 (0.46)	110.0 (0.56) / 100.0 (0.51)	105.0 (0.53) / 92.7 (0.47)	114.0 (0.58) / 99.0 (0.50)
		Opt. 2-stage FFL mast NL / RL	ft/min (m/s)	102.0 (0.52) / 89.0 (0.45)	108.0 (0.55) / 98.0 (0.50)	102.7 (0.52) / 91.2 (0.46)	111.0 (0.56) / 97.0 (0.49)
		Opt. 3-stage FFL mast NL / RL	ft/min (m/s)	100.0 (0.51) / 88.0 (0.45)	107.0 (0.54) / 97.0 (0.49)	101.4 (0.52) / 90.1 (0.46)	110.0 (0.56) / 96.0 (0.49)
	26	Lowering, standard LFL mast NL / RL	ft/min (m/s)	83.0 (0.42) / 99.0 (0.50)	83.0 (0.42) / 99.0 (0.50)	83.0 (0.42) / 99.0 (0.50)	83.0 (0.42) / 99.0 (0.50)
		Opt. 2-stage FFL mast NL / RL	ft/min (m/s)	83.0 (0.42) / 99.0 (0.50)	83.0 (0.42) / 99.0 (0.50)	83.0 (0.42) / 99.0 (0.50)	83.0 (0.42) / 99.0 (0.50)
		Opt. 3-stage FFL mast NL / RL	ft/min (m/s)	83.0 (0.42) / 99.0 (0.50)	83.0 (0.42) / 99.0 (0.50)	83.0 (0.42) / 99.0 (0.50)	83.0 (0.42) / 99.0 (0.50)
	27	Drawbar pull, powershift, 1 mph NL / RL	lb _f , (kN)	2,949 (13.1) / 3,030 (13.5)	4,251 (18.9) / 4,410 (19.6)	3,411 (15.2) / 3,520 (15.7)	3,445 (15.3) / 3,540 (15.8)
		LPG data (this line only) NL / RL	lb _f , (kN)	2,949 (13.1) / 3,030 (13.5)	4,006 (17.8) / 4,150 (18.5)	--	3,445 (15.3) / 3,540 (15.8)
28	Gradeability, powershift, 1 mph NL / RL	%	27 / 19	27 / 29	27 / 23	27 / 23	
	LPG data (this line only) NL / RL	%	27 / 19	27 / 27	--	27 / 23	

WT.	30	Weight, total approximate without battery	lb. (kg)	9,495 (4 307)	9,495 (4 307)	9,495 (4 307)	9,495 (4 307)
	31	Axle loading, static, front / rear - RL	lb. (kg)	13,809 (6 264) / 1,815 (823)	13,809 (6 264) / 1,815 (823)	13,894 (6 302) / 1,980 (898)	13,809 (6 264) / 1,815 (823)

TIRES & WHEELS	33	Size of drive tires, front		28.00 x 9 - 15 - 12 Ply	28.00 x 9 - 15 - 12 Ply	28.00 x 9 - 15 - 12 Ply	28.00 x 9 - 15 - 12 Ply
	34	Size of steer tires, rear		6.50 x 10 - 10 Ply			
	35	Wheelbase	in. (mm)	63.9 (1 623)	63.9 (1 623)	63.9 (1 623)	63.9 (1 623)
	36	Tread, center of tires steer / drive	in. (mm)	38.2 (970) / 38.1 (968)	38.2 (970) / 38.1 (968)	38.2 (970) / 38.1 (968)	38.2 (970) / 38.1 (968)
	37	Ground clearance, lowest point - NL	in. (mm)	6.2 (158)	6.2 (158)	6.2 (158)	6.2 (158)
	38	Ground clearance, center wheelbase - NL	in. (mm)	6.9 (175)	6.9 (175)	6.9 (175)	6.9 (175)
	39	Brakes, method of control, service / parking		Hydraulic / Mechanical	Hydraulic / Mechanical	Hydraulic / Mechanical	Hydraulic / Mechanical
	40	Brakes, method of operation, service / parking		Foot / Hand	Foot / Hand	Foot / Hand	Foot / Hand

POWERTRAIN	42	Battery, volts / cold cranking amps	V / amps	12 / 305	12 / 305	12 / 590	12 / 305
	47	Output per SAE standards, Gas / LPG	hp (kW)	42.0 (31) / 42.0 (31)	62.0 (46) / 58.9 (44)	57.6 (43)	47.0 (35) / 47.0 (35)
	48	Governed Speed	RPM	2,800	2,700	2,600	2,800
	49	Cycle / number of cylinders / displacement cu. in.	(cm ³)	4 / 4 / 122.0 (1 999)	4 / 4 / 181.0 (2 966)	4 / 4 / 159.0 (2 606)	4 / 4 / 133.0 (2 184)
	51	Clutch type, powershift		Torque Converter	Torque Converter	Torque Converter	Torque Converter
	52	Gear change type, powershift		Monotrol Pedal	Monotrol Pedal	Monotrol Pedal	Monotrol Pedal
	53	Number of speeds, forward/reverse		1 / 1	1 / 1	1 / 1	1 / 1
	54	Transmission type		Powershift	Powershift	Powershift	Powershift
55	Relief pressure for attachments	psi (kPa)	2,250 (15 513)	2,250 (15 513)	2,250 (15 513)	2,250 (15 513)	

* **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's nameplate which is affixed to the truck when shipped complete from the factory.

† **NOTE:** Performance specifications/ratings are for truck equipped as described under **Standard Equipment** in 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 local authorized Hyster Dealer.

Hyster H65XM Lift Truck Specifications

GENERAL	1	Manufacturer	Hyster Company	Hyster Company	Hyster Company	Hyster Company	
	2	Model	H65XM (Mazda 2.0L)	H65XM (GM 3.0L)	H65XM (Perkins 2.6L)	H65XM (Mazda 2.2L)	
	3	Capacity, rated	lb. (kg)	6,500 (2 948)	6,500 (2 948)	6,500 (2 948)	6,500 (2 948)
	4	Load center	in. (mm)	24 (610)	24 (610)	24 (610)	24 (610)
	5	Power type		Gas/LPG	Gas/LPG	Diesel	Gas/LPG
	6	Operator type		Sit	Sit	Sit	Sit
	7	Tire type, front / rear		Pneumatic/Pneumatic	Pneumatic/Pneumatic	Pneumatic/Pneumatic	Pneumatic/Pneumatic
	8	Wheels, front / rear	(X=driven)	2X / 2	2X / 2	2X / 2	2X / 2

DIMENSIONS	10	2-stg. LFL (TOF)	in. (mm)	131.0 (3 327)	131.0 (3 327)	131.0 (3 327)	131.0 (3 327)
	11	Limited free-lift (TOF)	in. (mm)	6.0 (152)	6.0 (152)	6.0 (152)	6.0 (152)
	12	Optional full free-lift (TOF) with / without LBE	in. (mm)	38.4 (975) / 59.0 (1 499)	38.4 (975) / 59.0 (1 499)	38.4 (975) / 59.0 (1 499)	38.4 (975) / 59.0 (1 499)
	13	Forks, width / thickness	in. (mm)	5.0 (127) / 2.0 (51)	5.0 (127) / 2.0 (51)	5.0 (127) / 2.0 (51)	5.0 (127) / 2.0 (51)
	14	Tilt angle, forward / backward	Deg. °	6 / 6	6 / 6	6 / 6	6 / 6
	15	Length to face of forks	in. (mm)	106.3 (2 700)	106.3 (2 700)	106.3 (2 700)	106.3 (2 700)
	16	Width, standard tires	in. (mm)	47.4 (1 204)	47.4 (1 204)	47.4 (1 204)	47.4 (1 204)
	17	Height, standard mast lowered	in. (mm)	86.5 (2 197)	86.5 (2 197)	86.5 (2 197)	86.5 (2 197)
	18	Height, std. mast extended with / without LBE	in. (mm)	174.5 (4 432) / 153.7 (3 904)	174.5 (4 432) / 153.7 (3 904)	174.5 (4 432) / 153.7 (3 904)	174.5 (4 432) / 153.7 (3 904)
	19	Turning radius, minimum outside	in. (mm)	92.3 (2 344)	92.3 (2 344)	92.3 (2 344)	92.3 (2 344)
	20	Length, center drive axle to face of forks	in. (mm)	18.8 (478)	18.8 (478)	18.8 (478)	18.8 (478)
	22	Aisle width	in. (mm)	111.2 (2 825)	111.2 (2 825)	111.2 (2 825)	111.2 (2 825)
	Right angle stacking aisle (40 x 48 pallet)	in. (mm)	159.1 (4 041)	159.1 (4 041)	159.1 (4 041)	159.1 (4 041)	

PERFORMANCE	23	Stability (Comply with ANSI?) *		YES	YES	YES	YES
	24	Travel speed, max. fwd, Gas/LPG, RL	mph (km/h)	11.7 (18.8) / 11.7 (18.8)	12.7 (20.4) / 12.2 (19.6)	11.8 (19.0)	11.8 (19.0) / 11.8 (19.0)
	25	Lift speed, standard LFL mast NL / RL	ft/min (m/s)	104.0 (0.53) / 89.0 (0.45)	110.0 (0.56) / 100.0 (0.51)	105.0 (0.53) / 92.1 (0.47)	114.0 (0.58) / 98.0 (0.50)
		Opt. 2-stage FFL mast NL / RL	ft/min (m/s)	102.0 (0.52) / 88.0 (0.45)	108.0 (0.55) / 98.0 (0.50)	102.7 (0.52) / 90.5 (0.46)	111.0 (0.56) / 96.0 (0.49)
		Opt. 3-stage FFL mast NL / RL	ft/min (m/s)	100.0 (0.51) / 87.0 (0.44)	107.0 (0.54) / 96.0 (0.49)	101.4 (0.52) / 89.2 (0.45)	110.0 (0.56) / 95.0 (0.48)
	26	Lowering, standard LFL mast NL / RL	ft/min (m/s)	83.0 (0.42) / 99.0 (0.50)	83.0 (0.42) / 99.0 (0.50)	83.0 (0.42) / 99.0 (0.50)	83.0 (0.42) / 99.0 (0.50)
		Opt. 2-stage FFL mast NL / RL	ft/min (m/s)	83.0 (0.42) / 99.0 (0.50)	83.0 (0.42) / 99.0 (0.50)	83.0 (0.42) / 99.0 (0.50)	83.0 (0.42) / 99.0 (0.50)
		Opt. 3-stage FFL mast NL / RL	ft/min (m/s)	83.0 (0.42) / 99.0 (0.50)	83.0 (0.42) / 99.0 (0.50)	83.0 (0.42) / 99.0 (0.50)	83.0 (0.42) / 99.0 (0.50)
	27	Drawbar pull, powershift, 1 mph NL / RL	lb _f (kN)	2,944 (13.1) / 3,020 (13.4)	4,247 (18.9) / 4,400 (19.6)	3,514 (15.6) / 3,410 (15.2)	3,450 (15.4) / 3,540 (15.8)
		LPG data (this line only) NL / RL	lb _f (kN)	2,944 (13.1) / 3,020 (13.4)	4,140 (18.4) / 4,001 (17.8)	--	3,450 (15.4) / 3,540 (15.8)
28	Gradeability, powershift, 1 mph NL / RL	%	29 / 18	29 / 28	29 / 22	29 / 22	
	LPG data (this line only) NL / RL	%	29 / 18	29 / 26	--	29 / 22	

WT.	30	Weight, total approximate without battery	lb. (kg)	9,780 (4 436)	9,780 (4 436)	9,780 (4 436)	9,780 (4 436)
	31	Axle loading, static, front / rear - RL	lb. (kg)	14,517 (6 585) / 1,692 (767)	14,517 (6 585) / 1,692 (767)	14,602 (6 623) / 1,857 (842)	14,517 (6 940) / 1,692 (760)

TIRES & WHEELS	33	Size of drive tires, front		28.00 x 9 - 15 - 12 Ply	28.00 x 9 - 15 - 12 Ply	28.00 x 9 - 15 - 12 Ply	28.00 x 9 - 15 - 12 Ply
	34	Size of steer tires, rear		6.50 x 10 - 10 Ply			
	35	Wheelbase	in. (mm)	67.0 (1 702)	67.0 (1 702)	67.0 (1 702)	67.0 (1 702)
	36	Tread, center of tires steer / drive	in. (mm)	38.2 (970) / 38.1 (968)	38.2 (970) / 38.1 (968)	38.2 (970) / 38.1 (968)	38.2 (970) / 38.1 (968)
	37	Ground clearance, lowest point - NL	in. (mm)	6.2 (158)	6.2 (158)	6.2 (158)	6.2 (158)
	38	Ground clearance, center wheelbase - NL	in. (mm)	6.9 (175)	6.9 (175)	6.9 (175)	6.9 (175)
	39	Brakes, method of control, service / parking		Hydraulic / Mechanical	Hydraulic / Mechanical	Hydraulic / Mechanical	Hydraulic / Mechanical
	40	Brakes, method of operation, service / parking		Foot / Hand	Foot / Hand	Foot / Hand	Foot / Hand

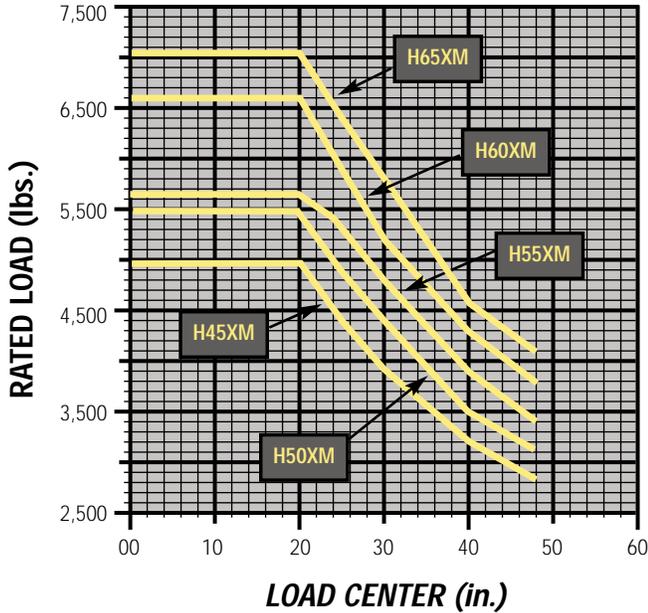
POWERTRAIN	42	Battery, volts / cold cranking amps	V / amps	12 / 305	12 / 305	12 / 590	12 / 305
	47	Output per SAE standards, Gas / LPG	hp (kW)	42.0 (31) / 42.0 (31)	62.0 (46) / 58.9 (44)	57.6 (43)	47.0 (35) / 47.0 (35)
	48	Governed Speed	RPM	2,800	2,700	2,600	2,800
	49	Cycle / number of cylinders / displacement cu. in.	(cm ³)	4 / 4 / 122.0 (1 999)	4 / 4 / 181.0 (2 966)	4 / 4 / 159.0 (2 606)	4 / 4 / 133.0 (2 184)
	51	Clutch type, powershift		Torque Converter	Torque Converter	Torque Converter	Torque Converter
	52	Gear change type, powershift		Monotrol Pedal	Monotrol Pedal	Monotrol Pedal	Monotrol Pedal
	53	Number of speeds, forward/reverse		1 / 1	1 / 1	1 / 1	1 / 1
	54	Transmission type		Powershift	Powershift	Powershift	Powershift
55	Relief pressure for attachments	psi (kPa)	2,250 (15 513)	2,250 (15 513)	2,250 (15 513)	2,250 (15 513)	

* **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's nameplate which is affixed to the truck when shipped complete from the factory.

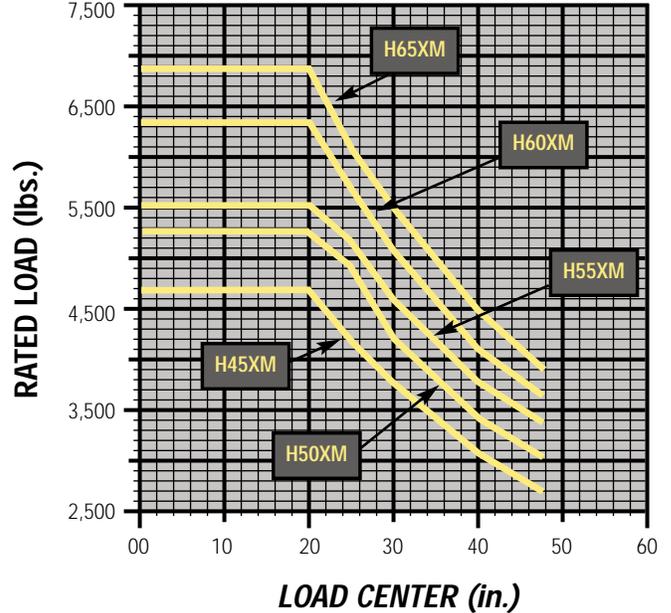
† **NOTE:** Performance specifications/ratings are for truck equipped as described under **Standard Equipment** in this Technical Guide. Performance specifications are affected by the condition of the vehicle and how it is equipped, as well as by the nature and condition of the operating area. If these specifications are critical, the proposed application should be discussed with your local authorized Hyster Dealer.

Hyster H45-65XM Lift Truck Rated Capacities

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

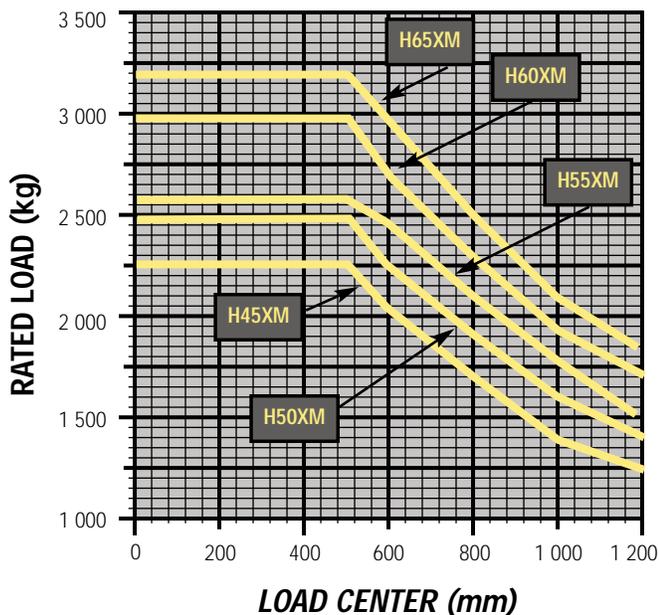


RATED LOAD vs. LOAD CENTER
INTEGRAL SIDESHIFT ATTACHMENT
U. S. CUSTOMARY

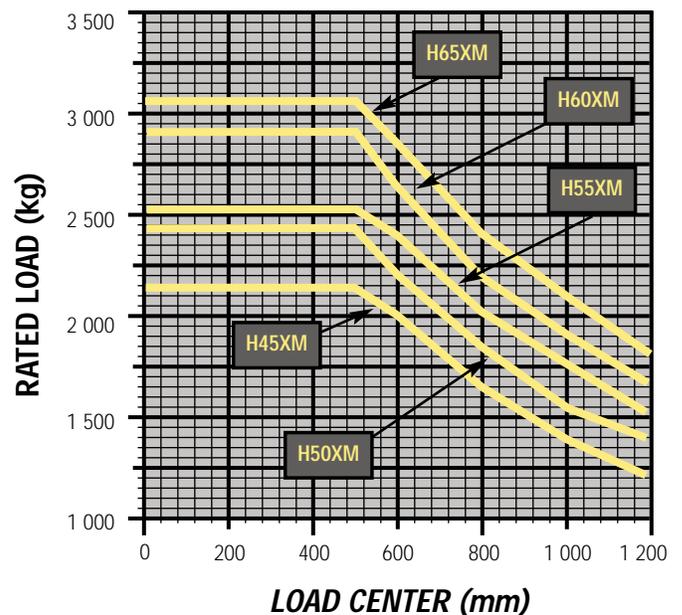


8 Load ratings are for trucks equipped with 153.5" (3 899 mm) 3-stage mast (*H45-55XM*) or 153.9" (3 910 mm) 2-stage mast (*H60-65XM*) maximum fork height full free-lift VISTA® mast; carriage shown; load backrest extension; and 36" - 60" (914 - 1 524 mm) (*H45-55XM*) or 36" - 60" (914 - 1 524 mm) (*H60-65XM*) long forks.

RATED LOAD vs. LOAD CENTER
STANDARD CARRIAGE
METRIC



RATED LOAD vs. LOAD CENTER
INTEGRAL SIDESHIFT ATTACHMENT
METRIC



Hyster H45-65XM Mast Specifications

H45-55XM MAST DIMENSIONS

Maximum Height † (Top of Forks) in. (mm)	Overall Lowered Height in. (mm)	Overall Ext. Height w/ LBE in. (mm)	Overall Ext. Height w/o LBE in. (mm)	* Free-Lift (TOF) w/o LBE in. (mm)	Total Weight of Standard Truck		
					H45XM lbs. (kg)	H50XM lbs. (kg)	H55XM lbs. (kg)
2-STAGE LIMITED FREE-LIFT (LFL) VISTA							
119.5 (3 035)	80.0 (2 032)	167.4 (4 252)	143.3 (3 640)	5.5 (140)	8,120 (3 683)	8,565 (3 885)	8,960 (4 064)
131.0 (3 327)	85.5 (2 172)	179.5 (4 559)	155.2 (3 942)	5.5 (140)	8,170 (3 706)	8,615 (3 908)	9,010 (4 087)
151.0 (3 835)	95.5 (2 426)	198.9 (5 052)	174.8 (4 440)	5.5 (140)	8,255 (3 744)	8,700 (3 946)	9,095 (4 125)
2-STAGE FULL FREE-LIFT (FFL) VISTA							
119.0 (3 023)	80.0 (2 032)	167.0 (4 242)	143.0 (3 632)	55.5 (1 410)	8,155 (3 699)	8,600 (3 901)	8,995 (4 080)
131.0 (3 327)	85.5 (2 172)	178.9 (4 544)	154.8 (3 932)	61.5 (1 562)	8,215 (3 726)	8,660 (3 928)	9,055 (4 107)
3-STAGE FULL FREE-LIFT (FFL) VISTA							
171.5 (4 356)	78.0 (1 981)	217.8 (5 532)	194.2 (4 933)	55.0 (1 397)	8,475 (3 844)	8,920 (4 046)	9,315 (4 225)
189.0 (4 801)	83.5 (2 121)	235.5 (5 982)	211.9 (5 382)	60.5 (1 537)	8,550 (3 878)	8,995 (4 080)	9,390 (4 259)
218.5 (5 550)	95.5 (2 426)	265.0 (6 731)	241.5 (6 134)	72.5 (1 842)	8,700 (3 946)	9,145 (4 148)	9,540 (4 327)
† Lift heights over 153.5" (3 899 mm) maximum fork height and all 3-stage FFL VISTA masts require reduced capacity and restricted back tilt.							
* If load backrest extension is used on 2-stage FFL, subtract 24.2" (615 mm), or 3-stage FFL, subtract 25.1" (638 mm).							

H60-65XM MAST DIMENSIONS

Maximum Height † (Top of Forks) in. (mm)	Overall Lowered Height in. (mm)	Overall Ext. Height w/ LBE in. (mm)	Overall Ext. Height w/o LBE in. (mm)	* Free-Lift (TOF) w/o LBE in. (mm)	Total Weight of Standard Truck	
					H60XM lbs. (kg)	H65XM lbs. (kg)
2-STAGE LIMITED FREE-LIFT (LFL) VISTA						
126.5 (3 213)	86.5 (2 197)	174.5 (4 432)	153.7 (3 904)	6.0 (152)	9,495 (4 307)	9,780 (4 436)
146.0 (3 708)	96.5 (2 451)	194.2 (4 933)	173.4 (4 404)	6.0 (152)	9,580 (4 345)	9,865 (4 475)
2-STAGE FULL FREE-LIFT (FFL) VISTA						
126.5 (3 213)	86.5 (2 197)	174.5 (4 432)	153.7 (3 904)	59.0 (1 499)	9,535 (4 325)	9,820 (4 454)
3-STAGE FULL FREE-LIFT (FFL) VISTA						
164.0 (4 166)	79.0 (2 007)	212.2 (5 390)	189.4 (4 811)	53.5 (1 359)	9,805 (4 448)	10,090 (4 577)
182.0 (4 623)	84.5 (2 146)	229.9 (5 840)	207.1 (5 260)	59.5 (1 499)	9,870 (4 477)	10,155 (4 606)
193.5 (4 915)	90.5 (2 299)	241.7 (6 139)	218.9 (5 560)	65.0 (1 651)	9,939 (4 508)	10,244 (4 647)
211.5 (5 372)	96.5 (2 451)	259.4 (6 589)	236.6 (6 010)	71.0 (1 803)	10,020 (4 545)	10,305 (4 674)
† Lift heights over 146.0" (3 708 mm) maximum fork height and all 3-stage FFL VISTA masts require reduced capacity and restricted back tilt.						
* If load backrest extension is used on 2-stage FFL, subtract 20.6" (523 mm), or 3-stage FFL, subtract 22.8" (579 mm).						

Hyster H45-65XM Alternator Specifications

TRUCK MODEL	ENGINES - Amps			
	GM 3L	Perkins 2.6L	Mazda 2.0	Mazda 2.2
H45XM	56	56	36	36
H50XM	56	56	36	36
H55XM	56	56	36	36
H60XM	56	56	36	36
H65XM	56	56	36	36

Hyster H45-65XM Standard Features and Options

CAPACITY:

Model H45XM: 4,500 lbs. at 24.0" (2 041 kg at 610 mm) load center.
 Model H50XM: 5,000 lbs. at 24.0" (2 268 kg at 610 mm) load center.
 Model H55XM: 5,500 lbs. at 24.0" (2 495 kg at 610 mm) load center.
 Model H60XM: 6,000 lbs. at 24.0" (2 722 kg at 610 mm) load center.
 Model H65XM: 6,500 lbs. at 24.0" (2 948 kg at 610 mm) load center.

Rated capacities are for trucks equipped with:

- Three-stage full free-lift VISTA[®] mast to 153.5" (3 899 mm) maximum fork height for H45-55XM, 146.0" (3 708 mm) for H60XM or 2-Stage limited free lift VISTA[®] mast to 126.5" (3 213 mm) maximum fork height for H65XM.
- 42.0" (1 067 mm) wide standard carriage with 36.0" to 60.0" (914 to 1 524 mm) long forks as required for H45-55XM or 36.0" to 72.0" (914 mm to 1 829 mm) for H60-65XM
- Load backrest extension (LBE)
- Gasoline engine

STANDARD EQUIPMENT

Complete truck is equipped with:

- Mazda 2.0L gasoline engine
- 2-stage limited free-lift VISTA[®] mast with maximum fork height of 131.0" (3 327 mm) (H45-55XM) or 126.5" (3 213 mm) (H60-65XM)
- 42.0" (1 067 mm) wide hook-type carriage with load backrest extension
- 42.0" (1 067 mm) long forks
- 6' forward / 6' back tilt
- Serpentine radiator
- Three-function valve
- High intake air
- Powershift transmission
- MONOTROL[®] pedal
- ComforCab isolated operator's compartment
- Instrumentation/monitor group
- Power steering
- Tilt steering wheel
- Vinyl non-suspension seat
- Horn
- Brake and backup lights
- DuraTread floor mat
- Overhead guard
- Counterweight rear exhaust
- Operator restraint system
- Operator's manual
- U.L. Classification G, LP and D

Battery not included

All 2004 Engines are EPA emissions compliant.

OPTIONAL EQUIPMENT

The following equipment is available for the H45-65XM model series:

- GM 3.0L LPG engine with velocity governor
- GM 3.0L gas engine
- Mazda 2.2L LPG engine
- Mazda 2.2L gas engine
- Mazda 2.0L LPG engine
- Perkins 2.6L diesel engine
- Lever directional control
- Overhead exhaust
- Cloth and vinyl full-suspension seat
- Premium instrumentation
- Light package (2 drive, 1 rear drive, 2 brake/tail w/backup lights)
- Tilt options: 5' forward / 5' back or 10' forward / 5' back
- All weather cab
- Rain top
- Wide tread
- Dual tires
- Selection of drive and steer tires
- 42.0" (1 067 mm) and 48.0" (1 219 mm) Integral sidershifter
- Polished and tapered forks
- Four-function valve and hose groups
- Back-up alarm
- Amber strobe flashing lights
- Lowered overhead guard
- Direct acting lever for non-clamping attachment
- Powertrain protection control (GM engine only)
- Various fork lengths and mast heights
- U.L. Classification GS, LPS and DS
- Parts manual - printed or CD

Hyster H45-65XM Standard Features and Options

MASTS

Masts are available in 2-stage and 3-stage configurations.

Masts feature nested-channel design and full-radius, angled load rollers.

CARRIAGE

Carriages are hook-type, ITA Class II mounting (H45-55XM), ITA Class III (H60-65XM). Overall width without load backrest extension (LBE) is 42.0" (1 067 mm); with LBE is 43.3" (1 100 mm). Minimum inside-to-inside fork spacing is 0.12" (3 mm). Maximum outside-to-outside fork spacing is 38.33" (974 mm).

FORKS

H45-55XM lift trucks use:

1.5" x 5.0" x 36.0" to 60.0" long pallet forks
(38 x 127 x 915 to 1 525 mm) long pallet forks.

H60-65XM lift trucks use:

2.0" x 5.0" x 36.0" to 72.0" long pallet forks
(50 x 125 x 915 to 1 830 mm) long pallet forks.

ENGINES

Mazda emissions compliant gasoline engines available include the standard 2.0L which uses 3.39" (86 mm) bore and 3.39" (86 mm) stroke for a 122 cu. in. (1 999 cm³) displacement and a maximum torque of 104 ft.-lbs. (141 N•m) at 1600 RPM; or the optional 2.2L, which uses 3.39" (86 mm) bore and 3.70" (94 mm) stroke for a 133 cu. in. (2 184 cm³) displacement and a maximum torque of 113 ft.-lbs. (153 N•m) at 1600 RPM.

Both the 2.0L and 2.2L Mazda gasoline engines feature:

- Single barrel carburetor
- Velocity governor
- Heavy-duty air cleaner
- High energy ignition
- Mechanical fuel pump
- 12-volt electrical system; U.L. Classification G

Optional Mazda 2.0L and 2.2L LPG engine additional features include:

- Vaporizer; U.L. Classification LP
- Low emission carburetor; electronic governor
- Fuel lock-off / filter assembly
- Heavy-duty air pre-cleaner

Optional GM 3.0L gas engine features include:

- 4 cycle, 4 cylinders, 181 cu. in. (2 966 cm³) displacement
- 4.0" (102 mm) bore; 3.6" (91 mm) stroke
- Electronic governor; fuel injection
- High energy ignition system
- Heavy-duty air cleaner with pre-cleaner
- Electric fuel pump
- 12-volt electrical system
- 14-gallon fuel tank; U.L. Classification G
- Maximum torque is 138 ft.-lbs. (186 N•m) at 1400 RPM

Optional GM 3.0L LPG engine features include:

- Low emission carburetor; vaporizer
- Velocity governor; U.L. Classification LP
- Fuel lock-off / filter assembly

Optional Perkins 700 series diesel engine features include:

- 4-cycle, 4 cylinders, 159 cu. in. (2 606 cm³) displacement
- 3.58" (91 mm) bore; 3.94" (100 mm) stroke
- Heavy-duty air cleaner with pre-cleaner
- 12-volt electrical system; U.L. Classification D
- Maximum torque is 120 ft.-lbs. (163 N•m) at 1600 RPM

TRANSMISSION

- Exclusive Hyster single-speed, powershift transmission.
- 10.5" (267 mm) torque converter has high stall ratios of 3.12:1 for all available engine models listed in this technical guide.

HYDRAULIC SYSTEM

- 3,100 psi (21 374 kPa) hydraulic lift system
- Tilt and auxiliary systems have 2,250 psi (15 513 kPa) relief pressure in all valve variations
- Full-flow, ten-micron paper element filter

STEERING SYSTEM

- Equal-area, double-ended, hydrostatic steering cylinder is mounted in one-piece ductile iron axle frame.
- Elastomeric axle mounts absorb shock and allow lubrication free articulation.

DRIVE AXLE

Exclusive Hyster drive axle is a full-floating design. Wheel hub rotates on large, tapered roller bearings.

BRAKES

Hydraulic service brake system consists of sealed master cylinder with integral reservoir, fluid level monitor, inch brake pedal and linkage, brake fluid lines, and 2 self-adjusting, self-energizing brake assemblies.

OPERATOR AREA

- ComforCab, isolated operator's compartment, reduces noise and vibration.
- Wide step on both sides of the truck and handgrip provide easy access to ComforCab.
- Non-suspension seat adjusts three ways.
- Five position tilt steering column.
- Display is backlit for easy visibility under all lighting conditions.
- MONOTROL pedal controls engine speed and truck direction, freeing driver's hands to operate steering and hydraulic levers.
- Grid-style overhead guard offers superb visibility.
- Inch brake pedal combines inching and braking.

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



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Part No.: H45-65/TG
12/2003 Litho in U.S.A.

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

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