

H40-70FT SERIES

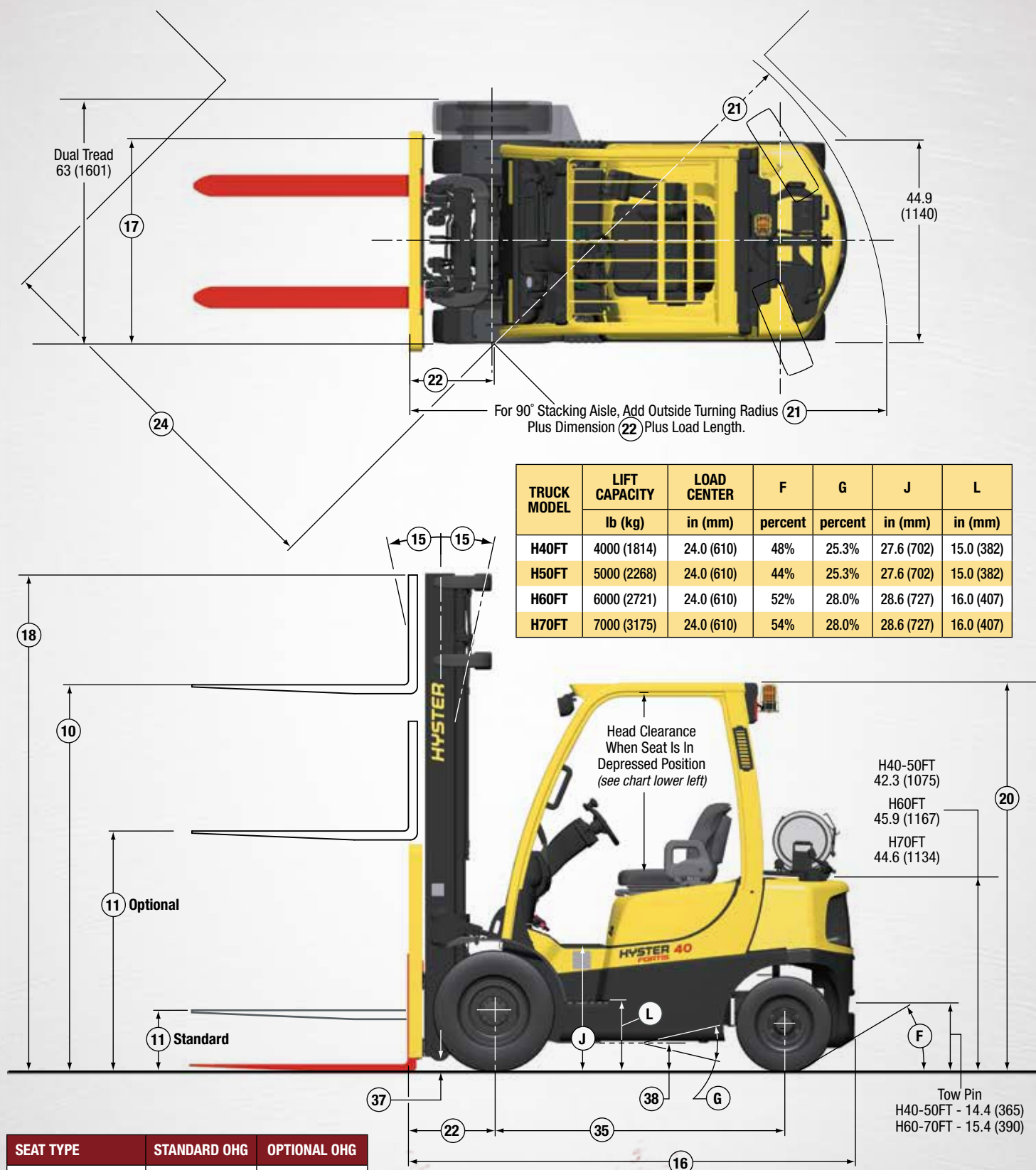


**STRONG PARTNERS.
TOUGH TRUCKS.™**

TECHNICAL GUIDE

Sit-down, Counterbalanced I.C.E. Pneumatic Tire

H40-70FT DIMENSIONS



SEAT TYPE	STANDARD OHG	OPTIONAL OHG
	in (mm)	in (mm)
Non-Suspension	42.0 (1067)	39.4 (1001)
Semi-Suspension	42.5 (1079)	39.9 (1013)
Full-Suspension	42.0 (1067)	N/A
Swivel Full-Suspension	41.8 (1061)	N/A

Circled dimensions correspond to the line numbers on the tabulated chart inside the technical guide. Dimensions are in inches (millimeters). Truck shown with optional equipment.

H40FT SPECIFICATIONS

GENERAL	1	Manufacturer Name		Hyster Company			
	2	Model		H40FT			
		Engine		PSI 2.4L		Kubota 2.5L	Kubota 2.4L Tier 4 Final
	3	Rated Capacity	lb (kg)	4000 (1814)			
	4	Load Center, Distance	in (mm)	24.0 (610)			
	5	Power Type - LPG, Diesel, Dual Fuel		LPG	Dual Fuel	LPG	Diesel
	6	Operator Type		Sit-Down Rider			
	7	Step Height	in (mm)	15.0 (382)			
	8	Tire Type - Cushion, Solid, Pneumatic		Pneumatic			
DIMENSIONS	9	Wheels, Number - Front/ Rear		2x/2			
	10	Lift Height, Top of Fork (TOF)	in (mm)	129 (3292)			
	11	Lift Heights, Standard Limited Free Lift (LFL) w/o LBR (TOF)	in (mm)	5 (140)			
		Lift Heights, Optional Full Free Lift (FFL) w/o LBR (TOF)	in (mm)	61 (1565)			
	12	Standard Carriage Width	in (mm)	42.0 (1067)			
	13	Forks, Thickness x Width x Length	in	1.6 X 3.9 X 42			
		Forks, Thickness x Width x Length	(mm)	(40 X 100 X 1067)			
	14	Fork Spread, Outside Dimensions	in (mm)	43.3 (1099)			
	15	Mast Tilt Angles, Forward/Backward	degrees	6F/10B			
	16	Length To Face of Forks	in (mm)	98.0 (2486)			
	17	Overall Width, Standard Tread	in (mm)	45.6 (1157)			
		Overall Width, Wide Tread	in (mm)	51.9 (1317)			
	18	Height, Standard Mast - Lowered	in (mm)	86.0 (2170)			
	19	Height, Standard Mast - Extended with LBR	in (mm)	147 (3715)			
		Height, Standard Mast - Extended without LBR	in (mm)	123 (3100)			
PERFORMANCE	20	Height, Standard Overhead Guard	in (mm)	85.0 (2160)			
		Height, Optional Overhead Guard	in (mm)	82.4 (2093)			
	21	Turning Radius, Minimum Outside (OTR)	in (mm)	84.6 (2149)			
	22	Length, Center of Wheel to Face of Forks	in (mm)	18.5 (470)			
	23	Aisle Width, Right Angle Stack (Add Length of Load)	in (mm)	103.1 (2619)			
	24	Equal Aisle, 90-Degree Intersecting Aisle	in (mm)	79.5 (1987)			
	25	Travel Speed, Powershift Transmission RL/NL	mph (km/h)	11.5/11.8 (18.5/19.0)	10.4/10.6 (16.7/17.0)	11.2/11.3 (18.0/18.2)	
	26	Lift Speed, Standard 2-Stage LFL RL/NL	ft/min (m/s)	120/124 (.61/.63)	122/126 (.62/.64)	122/126 (.62/.64)	
		Lift Speed, Optional 2-Stage FFL RL/NL	ft/min (m/s)	106/110 (.54/.56)	106/112 (.54/.57)	106/112 (.54/.57)	
		Lift Speed, Optional 3-Stage FFL RL/NL	ft/min (m/s)	112/116 (.57/.59)	114/120 (.58/.61)	114/120 (.58/.61)	
	27	Lowering Speed, Standard 2-Stage LFL RL/NL	ft/min (m/s)	114/98 (.58/.50)			
		Lowering Speed, Optional 2-Stage FFL RL/NL	ft/min (m/s)	98/83 (.50/.42)			
		Lowering Speed, Optional 3-Stage FFL RL/NL	ft/min (m/s)	106/93 (.54/.47)			
	28	Maximum drawbar pull RL/NL	lb (kg)	4980/2315 (2259/1050)	5018/2315 (2276/1050)	5180/2315 (2350/1050)	
		Drawbar Pull, Standard Transmission @ 1 mph RL/NL	lb (kg)	4215/2315 (1912/1050)	4297/2315 (1949/1050)	4760/2315 (2160/1050)	
WT.	29	Gradeability, Standard Transmission @ 1 mph RL/NL	Percent %	37/32	38/32	42/32	
	31	Weight, Standard Truck (2-Stg. LFL) NL	lb (kg)	7654 (3472)			
		Weight, Standard Truck (2-Stg. LFL) RL	lb (kg)	11655 (5286)			
	32	Axle Loading, Static Front/Rear NL	lb (kg)	3929/3725 (1782/1690)			
		Axle Loading, Static Front/Rear RL	lb (kg)	10593/1062 (4805/482)			
TIRES & WHEELS	33	Tire Size, Front		7.00 x 12 - 12			
	34	Tire Size, Rear		6.00 x 9			
	35	Wheelbase	in (mm)	63.9 (1623)			
	37	Ground Clearance, Lowest Point NL (w/RL subtract-6mm)	in (mm)	5.2 (132)			
	38	Ground Clearance, Center of Wheelbase NL	in (mm)	6.3 (160)			
POWERTRAIN	39	Service Brake - Method of Control/Operation		Foot/Hydraulic			
	40	Parking Brake - Method of Control/Operation		Hand/Mechanical			
	41	Battery Type		Maintenance Free			
	42	Volts/Cold Cranking Amps	v/cca	12/475		12/770	
	43	Engine, Manufacturer/Model		PSI 2.4L	Kubota 2.5L	Kubota 2.4L	
	44	Permanent Output	hp (kw)	59 (44)	59 (44)	57 (43)	
	45	Torque @ Rated RPM	ft Lbs (kg/m)	121 (16.7) @ 2000 RPM	131 (18) @ 1000 RPM	146 (20)@ 1500 RPM	
	46	Number of Cylinders/Displacement	No/cc (ci)	4/2351 (143)	4/2491 (152)	4/2434 (149)	
	47	Transmission Type, Standard		Electronic Powershift			
		Standard Speeds, Forward - Reverse		1-1			
	49	Hydraulic Tank Capacity (Drain and Refill)	gal (liter)	12.1 (45.8)			
	50	Fuel Tank Capacity (Gas & Diesel Powered Units Only)	gal (liter)	13.9 (52.8)			
	51	Auxiliary Hydraulic Pressure Relief for Attachments	PSI (Mpa)	2250 (15.5)			

RL = Rated Load NL = No Load

NOTE: Above specifications, unless otherwise listed, are for a standard truck without optional equipment.

Right Angle Stack and Equal Intersecting Aisle are calculated using a 40" wide pallet.

CERTIFICATION: These Hyster® lift trucks meet design specifications of Part II ANSI B56.1-1969, as required by OSHA Section 1910.179(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. 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.

H50FT SPECIFICATIONS

GENERAL	1	Manufacturer Name		Hyster Company		
	2	Model		H50FT		
		Engine		PSI 2.4L	Kubota 2.5L	Kubota 2.4L Tier 4 Final
	3	Rated Capacity	lb (kg)	5000 (2268)		
	4	Load Center, Distance	in (mm)	24.0 (610)		
	5	Power Type - LPG, Diesel, Dual Fuel		LPG	Dual Fuel	Diesel
	6	Operator Type		Sit-Down Rider		
	7	Step Height	in (mm)	15.0 (382)		
	8	Tire Type - Cushion, Solid, Pneumatic		Pneumatic		
DIMENSIONS	9	Wheels, Number - Front/ Rear		2x/2		
	10	Lift Height, Top of Fork (TOF)	in (mm)	129 (3292)		
	11	Lift Heights, Standard Limited Free Lift (LFL) w/o LBR (TOF)	in (mm)	5 (140)		
		Lift Heights, Optional Full Free Lift (FFL) w/o LBR (TOF)	in (mm)	61 (1565)		
	12	Standard Carriage Width	in (mm)	42 (1067)		
	13	Forks, Thickness x Width x Length	in	1.6 X 3.9 X 42		
		Forks, Thickness x Width x Length	(mm)	(40 X 100 X 1067)		
	14	Fork Spread, Outside Dimensions	in (mm)	43.3 (1099)		
	15	Mast Tilt Angles, Forward/Backward	degrees	6F/6B		
	16	Length To Face of Forks	in (mm)	100.7 (2559)		
	17	Overall Width, Standard Tread	in (mm)	45.6 (1157)		
		Overall Width, Wide Tread	in (mm)	51.9 (1317)		
	18	Height, Standard Mast - Lowered	in (mm)	86 (2170)		
	19	Height, Standard Mast - Extended with LBR	in (mm)	147 (3715)		
		Height, Standard Mast - Extended without LBR	in (mm)	123 (3100)		
PERFORMANCE	20	Height, Standard Overhead Guard	in (mm)	85.0 (2160)		
		Height, Optional Overhead Guard	in (mm)	82 (2093)		
	21	Turning Radius, Minimum Outside (OTR)	in (mm)	87.2 (2216)		
	22	Length, Center of Wheel to Face of Forks	in (mm)	18.5 (470)		
	23	Aisle Width, Right Angle Stack (Add Length of Load)	in (mm)	105.7 (2686)		
	24	Equal Aisle, 90-Degree Intersecting Aisle	in (mm)	80.6 (2020)		
	25	Travel Speed, Powershift Transmission RL/NL	mph (km/h)	11.5/11.8 (18.5/19.0)	10.4/10.6 (16.7/17.0)	11.2/11.3 (18.0/18.2)
	26	Lift Speed, Standard 2-Stage LFL RL/NL	ft/min (m/s)	120/124 (.61/.63)	122/126 (.62/.64)	122/126 (.62/.64)
		Lift Speed, Optional 2-Stage FFL RL/NL	ft/min (m/s)	106/110 (.54/.56)	108/112 (.55/.57)	106/112 (.54/.57)
		Lift Speed, Optional 3-Stage FFL RL/NL	ft/min (m/s)	112/116 (.57/.59)	114/120 (.58/.61)	114/120 (.58/.61)
WT.	27	Lowering Speed, Standard 2-Stage LFL RL/NL	ft/min (m/s)	114/98 (.58/.50)		
		Lowering Speed, Optional 2-Stage FFL RL/NL	ft/min (m/s)	98/83 (.50/.42)		
		Lowering Speed, Optional 3-Stage FFL RL/NL	ft/min (m/s)	106/93 (.54/.47)		
	28	Maximum drawbar pull RL/NL	lb (kg)	4952/2249 (2246/1020)	4989/2249 (2263/1020)	5150/2249 (2340/1020)
		Drawbar Pull, Standard Transmission @ 1 mph RL/NL	lb (kg)	4184/2249 (1898/1020)	4268/2249 (1936/1020)	4730/2249 (2150/1020)
	29	Gradeability, Standard Transmission @ 1 mph RL/NL	Percent %	32/28	33/28	36/28
	31	Weight, Standard Truck (2-Stg. LFL) NL	lb (kg)	8399 (3810)		
TIRES & WHEELS		Weight, Standard Truck (2-Stg. LFL) RL	lb (kg)	13399 (6078)		
	32	Axle Loading, Static Front/Rear NL	lb (kg)	3776 /4623 (1713/2097)		
		Axle Loading, Static Front/Rear RL	lb (kg)	12105/1294 (5491/587)		
	33	Tire Size, Front		7.00 x 12 - 12		
	34	Tire Size, Rear		6.00 x 9		
	35	Wheelbase	in (mm)	63.9 (1623)		
	37	Ground Clearance, Lowest Point NL (w/RL subtract-6mm)	in (mm)	5.2 (132)		
POWERTRAIN	38	Ground Clearance, Center of Wheelbase NL	in (mm)	6.3 (160)		
	39	Service Brake - Method of Control/Operation		Foot/Hydraulic		
	40	Parking Brake - Method of Control/Operation		Hand/Mechanical		
	41	Battery Type		Maintenance Free		
	42	Volts/Cold Cranking Amps	v/cca	12/475		12/770
	43	Engine, Manufacturer/Model		PSI 2.4L	Kubota 2.5L	Kubota 2.4L
	44	Permanent Output	hp (kw)	59 (44)	59 (44)	57 (43)
	45	Torque @ Rated RPM	ft Lbs (kg/m)	121 (16.7) @ 2000 RPM	131 (18) @ 1000 RPM	146 (20) @ 1500 RPM
	46	Number of Cylinders/Displacement	No/cc (ci)	4/2351 (143)	4/2491 (152)	4/2434 (149)
	47	Transmission Type, Standard		Electronic Powershift		
		Standard Speeds, Forward - Reverse		1-1		
	49	Hydraulic Tank Capacity (Drain and Refill)	gal (liter)	12.1 (45.8)		
	50	Fuel Tank Capacity (Gas & Diesel Powered Units Only)	gal (liter)	13.9 (52.8)		
	51	Auxiliary Hydraulic Pressure Relief for Attachments	PSI (Mpa)	2250 (15.5)		

RL = Rated Load NL = No Load

NOTE: Above specifications, unless otherwise listed, are for a standard truck without optional equipment.

Right Angle Stack and Equal Intersecting Aisle are calculated using a 40" wide pallet.

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H60FT SPECIFICATIONS

GENERAL	1	Manufacturer Name		Hyster Company			
	2	Model		H60FT			
		Engine		PSI 2.4L		Kubota 2.5L	Kubota 2.4L Tier 4 Final
	3	Rated Capacity	lb (kg)	6000 (2722)			
	4	Load Center, Distance	in (mm)	24.0 (610)			
	5	Power Type - LPG, Diesel, Dual Fuel		LPG	Dual Fuel	LPG	Diesel
	6	Operator Type		Sit-Down Rider			
	7	Step Height	in (mm)	16 (407)			
	8	Tire Type - Cushion, Solid, Pneumatic		Pneumatic			
DIMENSIONS	9	Wheels, Number - Front/ Rear		2x/2			
	10	Lift Height, Top of Fork (TOF)	in (mm)	126 (3209)			
	11	Lift Heights, Standard Limited Free Lift (LFL) w/o LBR (TOF)	in (mm)	5 (140)			
		Lift Heights, Optional Full Free Lift (FFL) w/o LBR (TOF)	in (mm)	58 (1490)			
	12	Standard Carriage Width	in (mm)	42 (1067)			
	13	Forks, Thickness x Width x Length	in	2.0 X 4.9 X 42			
		Forks, Thickness x Width x Length	(mm)	(50 X 125 X 1067)			
	14	Fork Spread, Outside Dimensions	in (mm)	43.3 (1099)			
	15	Mast Tilt Angles, Forward/Backward	degrees	6F/6B			
	16	Length To Face of Forks	in (mm)	103.4 (2625)			
	17	Overall Width, Standard Tread	in (mm)	46.7 (1186)			
		Overall Width, Wide Tread	in (mm)	52.0 (1321)			
	18	Height, Standard Mast - Lowered	in (mm)	89 (2245)			
	19	Height, Standard Mast - Extended with LBR	in (mm)	175 (4330)			
		Height, Standard Mast - Extended without LBR	in (mm)	154 (3905)			
PERFORMANCE	20	Height, Standard Overhead Guard	in (mm)	86.0 (2185)			
		Height, Optional Overhead Guard	in (mm)	83 (2118)			
	21	Turning Radius, Minimum Outside (OTR)	in (mm)	89.6 (2277)			
	22	Length, Center of Wheel to Face of Forks	in (mm)	18.9 (480)			
	23	Aisle Width, Right Angle Stack (Add Length of Load)	in (mm)	108.5 (2757)			
	24	Equal Aisle, 90-Degree Intersecting Aisle	in (mm)	82.8 (2077)			
	25	Travel Speed, Powershift Transmission RL/NL	mph (km/h)	11.8/12.4 (19.0/20.0)	11.1/11.3 (17.8/18.2)	11.9/12.1 (19.2/19.5)	
	26	Lift Speed, Standard 2-Stage LFL RL/NL	ft/min (m/s)	104/108 (.53/.55)	108/110 (.55/.56)	108/110 (.55/.56)	
		Lift Speed, Optional 2-Stage FFL RL/NL	ft/min (m/s)	102/102 (.52/.52)	104/106 (.53/.54)	104/106 (.53/.54)	
		Lift Speed, Optional 3-Stage FFL RL/NL	ft/min (m/s)	100/104 (.51/.53)	100/104 (.51/.53)	100/104 (.51/.53)	
	27	Lowering Speed, Standard 2-Stage LFL RL/NL	ft/min (m/s)	104/93 (.53/.47)			
		Lowering Speed, Optional 2-Stage FFL RL/NL	ft/min (m/s)	98/83 (.50/.42)			
		Lowering Speed, Optional 3-Stage FFL RL/NL	ft/min (m/s)	114/87 (.58/.44)			
	28	Maximum drawbar pull RL/NL	lb (kg)	4497/2346 (2040/1064)	4530/2346 (2055/1064)	4680/2346 (2120/1064)	
		Drawbar Pull, Standard Transmission @ 1 mph RL/NL	lb (kg)	3845/2346 (1744/1064)	3920/2346 (1778/1064)	4330/2346 (1960/1064)	
WT.	29	Gradeability, Standard Transmission @ 1 mph RL/NL	Percent %	25/26	26/26	27/26	
	31	Weight, Standard Truck (2-Stg. LFL) NL	lb (kg)	9943 (4510)			
		Weight, Standard Truck (2-Stg. LFL) RL	lb (kg)	15943 (7232)			
	32	Axle Loading, Static Front/Rear NL	lb (kg)	3865/6077 (1753/2757)			
		Axle Loading, Static Front/Rear RL	lb (kg)	13905/2038 (6307/924)			
TIRES & WHEELS	33	Tire Size, Front		28 x 9 - 15			
	34	Tire Size, Rear		6.50 x 10			
	35	Wheelbase	in (mm)	63.9 (1623)			
	37	Ground Clearance, Lowest Point NL (w/RL subtract-6mm)	in (mm)	6.2 (157)			
	38	Ground Clearance, Center of Wheelbase NL	in (mm)	6.3 (160)			
POWERTRAIN	39	Service Brake - Method of Control/Operation		Foot/Hydraulic			
	40	Parking Brake - Method of Control/Operation		Hand/Mechanical			
	41	Battery Type		Maintenance Free			
	42	Volts/Cold Cranking Amps	v/cca	12/475		12/770	
	43	Engine, Manufacturer/Model		PSI 2.4L	Kubota 2.5L	Kubota 2.4L	
	44	Permanent Output	hp (kw)	59 (44)	59 (44)	57 (43)	
	45	Torque @ Rated RPM	ft Lbs (kg/m)	121 (16.7) @ 2000 RPM	131 (18) @ 1000 RPM	146 (20)@ 1500 RPM	
	46	Number of Cylinders/Displacement	No/cc (ci)	4/2351 (143)	4/2491 (152)	4/2434 (149)	
	47	Transmission Type, Standard		Electronic Powershift			
		Standard Speeds, Forward - Reverse		1-1			
49	Hydraulic Tank Capacity (Drain and Refill)	gal (liter)	12.1 (45.8)				
50	Fuel Tank Capacity (Gas & Diesel Powered Units Only)	gal (liter)	13.9 (52.8)				
51	Auxiliary Hydraulic Pressure Relief for Attachments	PSI (Mpa)	2250 (15.5)				

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NOTE: Above specifications, unless otherwise listed, are for a standard truck without optional equipment.

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H70FT SPECIFICATIONS

GENERAL	1	Manufacturer Name		Hyster Company		
	2	Model		H70FT		
		Engine		PSI 2.4L	Kubota 2.5L	Kubota 2.4L Tier 4 Final
	3	Rated Capacity	lb (kg)	7000 (3175)		
	4	Load Center, Distance	in (mm)	24.0 (610)		
	5	Power Type - LPG, Diesel, Dual Fuel		LPG	Dual Fuel	Diesel
	6	Operator Type		Sit-Down Rider		
	7	Step Height	in (mm)	16.0 (407)		
	8	Tire Type - Cushion, Solid, Pneumatic		Pneumatic		
DIMENSIONS	9	Wheels, Number - Front/ Rear		2x/2		
	10	Lift Height, Top of Fork (TOF)	in (mm)	126 (3209)		
	11	Lift Heights, Standard Limited Free Lift (LFL) w/o LBR (TOF)	in (mm)	5 (140)		
		Lift Heights, Optional Full Free Lift (FFL) w/o LBR (TOF)	in (mm)	58 (1490)		
	12	Standard Carriage Width	in (mm)	42 (1067)		
	13	Forks, Thickness x Width x Length	in	2.0 X 4.9 X 42		
		Forks, Thickness x Width x Length	(mm)	(50 X 125 X 1067)		
	14	Fork Spread, Outside Dimensions	in (mm)	43.3 (1099)		
	15	Mast Tilt Angles, Forward/Backward	degrees	6F/6B		
	16	Length To Face of Forks	in (mm)	107.6 (2734)		
	17	Overall Width, Standard Tread	in (mm)	46.7 (1186)		
		Overall Width, Wide Tread	in (mm)	52.0 (1321)		
	18	Height, Standard Mast - Lowered	in (mm)	89 (2245)		
	19	Height, Standard Mast - Extended with LBR	in (mm)	175 (4330)		
		Height, Standard Mast - Extended without LBR	in (mm)	154 (3905)		
PERFORMANCE	20	Height, Standard Overhead Guard	in (mm)	86 (2185)		
		Height, Optional Overhead Guard	in (mm)	83 (2118)		
	21	Turning Radius, Minimum Outside (OTR)	in (mm)	93.7 (2380)		
	22	Length, Center of Wheel to Face of Forks	in (mm)	18.9 (480)		
	23	Aisle Width, Right Angle Stack (Add Length of Load)	in (mm)	112.6 (2860)		
	24	Equal Aisle, 90-Degree Intersecting Aisle	in (mm)	84 (2111)		
	25	Travel Speed, Powershift Transmission RL/NL	mph (km/h)	11.8/12.4 (19.0/20.0)	11.1/11.3 (17.8/18.2)	11.9/12.1 (19.2/19.5)
	26	Lift Speed, Standard 2-Stage LFL RL/NL	ft/min (m/s)	104/108 (.53/.55)	110/110 (.56/.56)	110/110 (.56/.56)
		Lift Speed, Optional 2-Stage FFL RL/NL	ft/min (m/s)	102/102 (.52/.52)	104/106 (.53/.54)	104/106 (.53/.54)
		Lift Speed, Optional 3-Stage FFL RL/NL	ft/min (m/s)	100/104 (.51/.53)	102/104 (.52/.53)	102/104 (.52/.53)
	27	Lowering Speed, Standard 2-Stage LFL RL/NL	ft/min (m/s)	104/93 (.53/.47)		
		Lowering Speed, Optional 2-Stage FFL RL/NL	ft/min (m/s)	98/83 (.50/.42)		
		Lowering Speed, Optional 3-Stage FFL RL/NL	ft/min (m/s)	114/87 (.58/.44)		
	28	Maximum drawbar pull RL/NL	lb (kg)	4465/2317 (2025/1051)	4500/2317 (2041/1051)	4650/2317 (2110/1051)
		Drawbar Pull, Standard Transmission @ 1 mph RL/NL	lb (kg)	3810/2317 (1730/1051)	3887/2317 (1763/1051)	4300/2317 (1950/1051)
WT.	29	Gradeability, Standard Transmission @ 1 mph RL/NL	Percent %	22/24	23/24	24/24
	31	Weight, Standard Truck (2-Stg. LFL) NL	lb (kg)	10357 (4698)		
		Weight, Standard Truck (2-Stg. LFL) RL	lb (kg)	17356 (7873)		
	32	Axle Loading, Static Front/Rear NL	lb (kg)	3810/6547 (1728/2970)		
		Axle Loading, Static Front/Rear RL	lb (kg)	15304/2052 (6942/931)		
TIRES & WHEELS	33	Tire Size, Front		28 x 9 - 15		
	34	Tire Size, Rear		6.50 x 10		
	35	Wheelbase	in (mm)	66.9 (1700)		
	37	Ground Clearance, Lowest Point NL (w/RL subtract-6mm)	in (mm)	6.2 (157)		
	38	Ground Clearance, Center of Wheelbase NL	in (mm)	7.3 (185)		
POWERTRAIN	39	Service Brake - Method of Control/Operation		Foot/Hydraulic		
	40	Parking Brake - Method of Control/Operation		Hand/Mechanical		
	41	Battery Type		Maintenance Free		
	42	Volts/Cold Cranking Amps	v/cca	12/475		12/770
	43	Engine, Manufacturer/Model		PSI 2.4L	Kubota 2.5L	Kubota 2.4L
	44	Permanent Output	hp (kw)	59 (44)	59 (44)	57 (43)
	45	Torque @ Rated RPM	ft Lbs (kg/m)	121 (16.7) @ 2000 RPM	131 (18) @ 1000 RPM	146 (20) @ 1500 RPM
	46	Number of Cylinders/Displacement	No/cc (ci)	4/2351 (143)	4/2491 (152)	4/2434 (149)
	47	Transmission Type, Standard		Electronic Powershift		
		Standard Speeds, Forward - Reverse		1-1		
	49	Hydraulic Tank Capacity (Drain and Refill)	gal (liter)	12.1 (45.8)		
	50	Fuel Tank Capacity (Gas & Diesel Powered Units Only)	gal (liter)	13.9 (52.8)		
	51	Auxiliary Hydraulic Pressure Relief for Attachments	PSI (Mpa)	2250 (15.5)		

RL = Rated Load NL = No Load

NOTE: Above specifications, unless otherwise listed, are for a standard truck without optional equipment.

Right Angle Stack and Equal Intersecting Aisle are calculated using a 40" wide pallet.

CERTIFICATION: These Hyster® lift trucks meet design specifications of Part II ANSI B56.1-1969, as required by OSHA Section 1910.179(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. 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.

H40-70FT MAST SPECIFICATIONS

H40-50FT MAST DIMENSIONS

Maximum Fork Height (TOF) †	Overall Lowered Height	Overall Extended Height		Free Lift (TOF)		Approximate Total Weight of Standard Equipped Truck	
		with LBR	without LBR	with LBR	without LBR	H40FT	H50FT
in (mm)	in (mm)	in (mm)	in (mm)	in (mm)	in (mm)	lbs (kg)	lbs (kg)
2-STAGE LIMITED FREE LIFT (LFL) VISTA™ PLUS MAST							
129 (3292)	86 (2170)	178 (4515)	123 (3100)	5 (140)	5 (140)	7654 (3472)	8399 (3810)
2-STAGE FULL FREE LIFT (FFL) VISTA™ MAST							
130 (3302)	86 (2170)	179 (4525)	154 (3910)	37 (950)	61 (1565)	7692 (3489)	8437 (3827)
3-STAGE FULL FREE LIFT (FFL) VISTA™ PLUS MAST							
171 (4350)	78 (1970)	220 (5570)	195 (4935)	29 (750)	54 (1390)	7934 (3599)	8679 (3937)
189 (4800)	84 (2120)	237 (6020)	213 (5385)	35 (900)	60 (1540)	8012 (3634)	8757 (3972)
194 (4950)	86 (2170)	243 (6170)	218 (5535)	37 (950)	62 (1590)	8037 (3645)	8782 (3983)
200 (5100)	90 (2270)	249 (6320)	224 (5685)	41 (1050)	66 (1690)	8083 (3666)	8828 (4004)
218 (5550)	96 (2420)	267 (6770)	242 (6135)	47 (1200)	72 (1840)	8165 (3704)	8910 (4042)

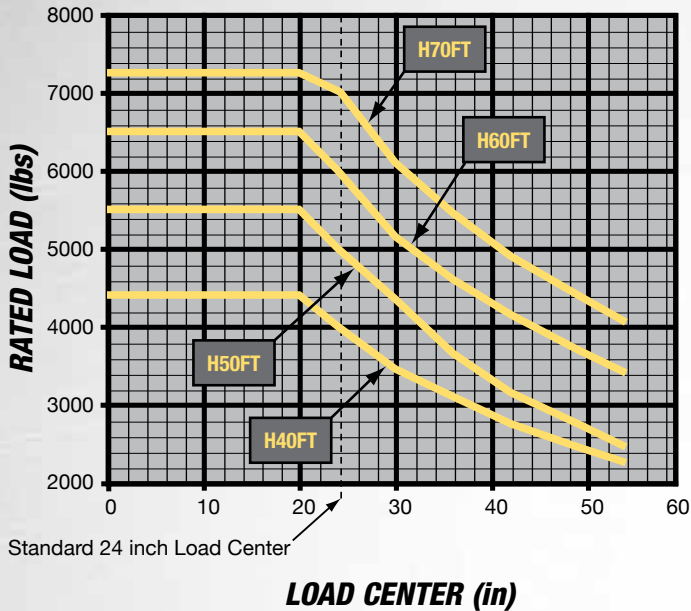
H60-70FT MAST DIMENSIONS

Maximum Fork Height (TOF) †	Overall Lowered Height	Overall Extended Height		Free Lift (TOF)		Approximate Total Weight of Standard Equipped Truck	
		with LBR	without LBR	with LBR	without LBR	H60FT	H70FT
in (mm)	in (mm)	in (mm)	in (mm)	in (mm)	in (mm)	lbs (kg)	lbs (kg)
2-STAGE LIMITED FREE LIFT (LFL) VISTA™ PLUS MAST							
126 (3209)	89 (2245)	175 (4430)	154 (3905)	5 (150)	5 (150)	9943 (4510)	10357 (4698)
2-STAGE FULL FREE LIFT (FFL) VISTA™ MAST							
122 (3110)	87 (2195)	171 (4335)	150 (3805)	37 (965)	59 (1500)	9957 (4516)	10371 (4704)
130 (3310)	91 (2295)	179 (4535)	158 (4005)	38 (975)	63 (1600)	9994 (4533)	10408 (4721)
3-STAGE FULL FREE LIFT (FFL) VISTA™ PLUS MAST							
181 (4618)	87 (2195)	230 (5840)	208 (5260)	37 (965)	63 (1600)	10307 (4675)	10721 (4863)
187 (4768)	91 (2295)	236 (5990)	213 (5410)	41 (1065)	65 (1655)	10352 (4696)	10766 (4883)
211 (5368)	101 (2545)	260 (6590)	237 (6010)	51 (1315)	75 (1905)	10481 (4754)	10894 (4942)
228 (5818)	107 (2695)	278 (7040)	256 (6495)	57 (1465)	80 (2055)	10662 (4836)	11076 (5024)

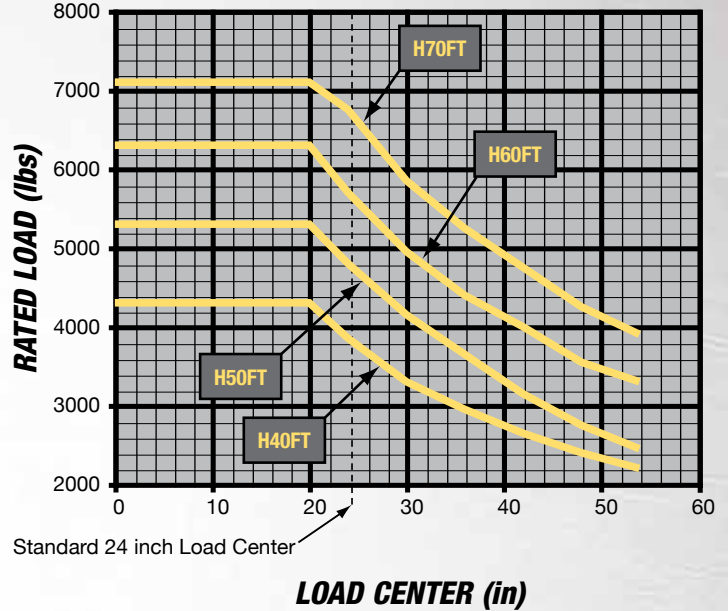
† Lift heights over 171.5" (4356 mm) maximum fork height are considered highlifts and require reduced capacity and restricted back tilt. Total approximate weights listed include mast, standard carriage, load backrest (LBR) and 70 lbs. LPG tank and tank bracket.

H40-70FT RATED CAPACITIES

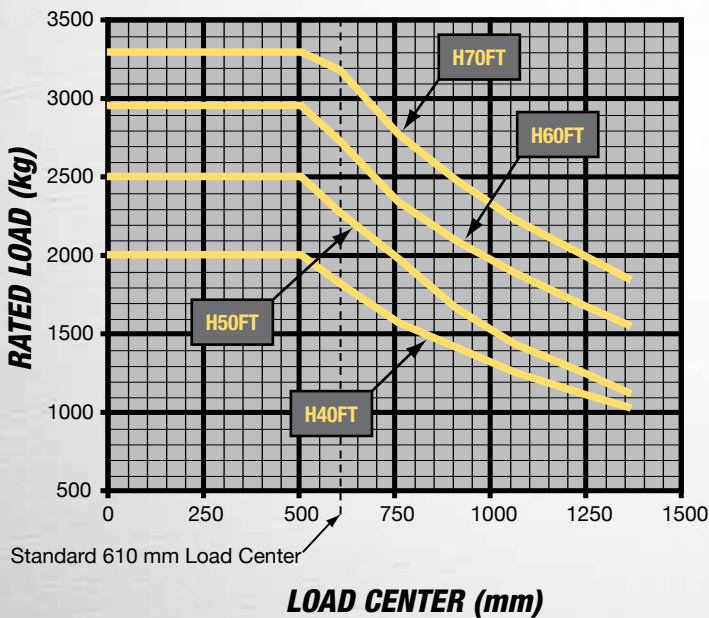
RATED LOAD vs. LOAD CENTER
STANDARD CARRIAGE
U. S. CUSTOMARY



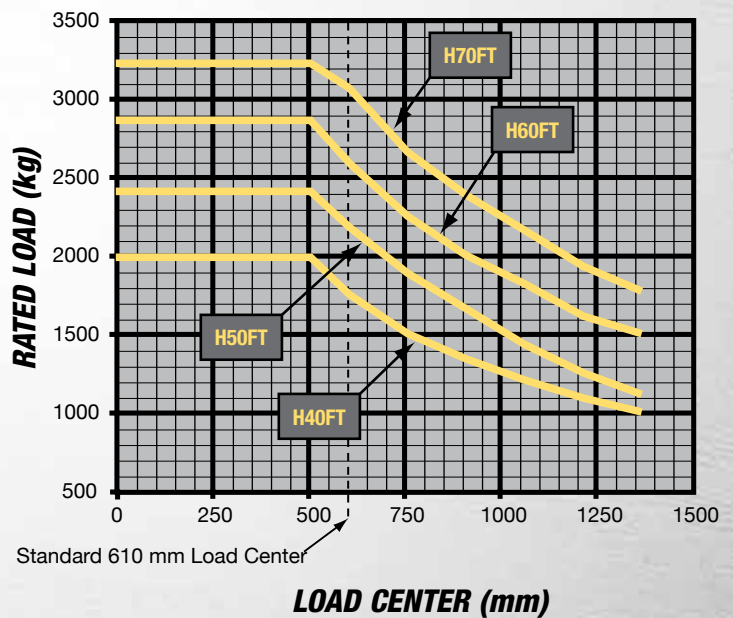
RATED LOAD vs. LOAD CENTER
INTEGRAL SIDESHIFT ATTACHMENT
U. S. CUSTOMARY



RATED LOAD vs. LOAD CENTER
STANDARD CARRIAGE
METRIC



RATED LOAD vs. LOAD CENTER
INTEGRAL SIDESHIFT ATTACHMENT
METRIC



TRUCK CONFIGURATION:

- 3-stage FFL mast at highest non-highlift (HNHL) 171.0" (4350 mm) maximum fork height (MFH) for H40-50FT and 164.0" (4170 mm) for H60-70FT.
- 42.0" (1067 mm) standard carriage with load backrest (LBR).
- Basic truck equipped with the PSI 2.4L LPG engine with one-speed electronic powershift transmission.

STANDARD EQUIPMENT

Complete truck equipped with:

- PSI 2.4L LPG engine
- Neutral start switch
- Anti-restart protection
- Electronic powershift transmission
 - Electronic inching
 - Electronic shift control
- MONOTROL® pedal
- 2-stage limited free lift (LFL) VISTA™ mast with maximum fork height of 129" (3277 mm) (H40-50FT) or 126" (3209 mm) (H60-70FT)
- 42" (1067 mm) wide hook-type carriage with 48" (1219 mm) tall load backrest
- 42" (1067 mm) long forks
- 6 degrees forward / 6 degrees backward mast tilt
- 3-function hydraulic control valve
- Integrated dashboard display includes:
 - LCD Display:
 - Fuel level (gasoline and diesel)
 - Hour meter
 - Coolant temperature
 - Clock
 - Messages
 - Service/Operational Indicator Lights:
 - Alternator
 - Transmission oil temperature
 - Engine oil pressure
 - Brake fluid level
 - Fasten seat belt
 - Low fuel level
 - Engine malfunction
 - System malfunction
 - Park brake
 - Coolant temp
 - Forward, reverse and neutral direction indicators
- Hydrostatic power steering
- Non-suspension vinyl seat
- Electronic horn
- Adjustable steer column
- Rubber floor mat
- High air intake
- Integral tie downs
- Operator restraint system
- Anti-clog radiator
- Single pedal inch brake
- Hyster Stability System (HSS®)
- Cowl-mounted hydraulic control levers
- Swing-out LPG tank bracket
- 86" (2185 mm) overhead guard (H40-50FT)
- 87" (2210 mm) overhead guard (H60-70FT)
- 12 months / 2,000 hours manufacturer's warranty
- 36 months / 6,000 hours manufacturer's powertrain warranty
- Operator's manual
- UL Classification LP

OPTIONAL EQUIPMENT

- PSI 2.4L dual fuel engine
- Kubota 2.5L LPG engine
- Kubota 2.4L Tier 4 Final turbo diesel engine
- DuraMatch™ transmission
 - Auto Deceleration System
 - Controlled power reversal feature
 - Controlled rollback on ramps
- Powertrain protection system
- Premium electronic monitoring
- High air intake with precleaner
- Accumulator
- Keyless start (with auxiliary key switch)
- Drive and rear halogen or LED work lights
- Oil-cooled wet disc brakes
- Heavy duty anti-clog radiator
- Heavy duty radiator with combi-cooler
- Powertrain protection system
- Paper applications kit
- Vented hood
- Swing-out, drop-down EZXchange LPG tank bracket
- TouchPoint electro-hydraulic controls
- Return-to-set tilt
- Rear drive handle with horn button
- Semi-suspension seat – vinyl or cloth
- Full-suspension seat – vinyl or cloth
- Swivel full-suspension seat – vinyl or cloth
- High-visibility non-cinch seat belt with or without interlock
- Polycarbonate overhead guard rain top
- Impact monitor
- Integral sideshifting fork positioner
- Load weight display
- Operator pre-shift checklist
- Dual inch brake pedals
- Dual side view mirrors
- Password protection
- Audible alarm - reverse activated 82-102 dB(A) self-adjusting
- Visible alarm amber strobe light - continuous activated, overhead guard mounted
- Various light packages
 - Two LED brake/back-up lights
 - Two halogen or LED front and one rear work lights
 - Two front, one rear work light and two LED brake/tail/back-up lights
- High intensity LED lights (brake/tail/back-up)
- Heavy duty anti-clog radiator
- Integral sideshifter
- UL Classification G, GS, D, LPS or DS

STANDARD FEATURES AND OPTIONS

CAPACITY:

Model H40FT: 4000 lbs. at 24" (1814 kg at 610 mm) load center.

Model H50FT: 5000 lbs. at 24" (2268 kg at 610 mm) load center.

Model H60FT: 6000 lbs. at 24" (2722 kg at 610 mm) load center.

Model H70FT: 7000 lbs. at 24" (3175 kg at 610 mm) load center.

Rated capacities are for trucks equipped with:

- 3-stage full free lift (FFL) VISTA™PLUS mast to 171.5" (4356 mm) maximum fork height
- 42.0" (1067 mm) hook-type carriage with 42" (1067 mm) long forks
- 48.0" (1219 mm) tall load backrest (LBR)
- Standard tread width

MASTS

Masts are available in 2-stage full free lift (FFL) VISTA™, 2-stage limited free lift (LFL) VISTA™PLUS, and 3-stage full free lift (FFL) VISTA™PLUS. Masts feature flush-faced, nested-channel design and full-radius, angled load rollers provides increased capacity at height while affording shorter overall length.

CARRIAGE

Carriages are hook-type, ITA Class II mounting (H40-50FT), ITA Class III (H60-70FT). Overall width without load backrest (LBR) is 42" (1067 mm); with LBR is 43.27" (1099 mm). Minimum inside-to-inside fork spacing, center to center is .20" (3 mm). Maximum outside-to-outside fork spacing, center to center is 38.7" (984 mm).

FORKS

H40-50FT lift trucks feature: 1.6" x 3.9" x 36" to 60" (40 x 100 x 914 to 1525 mm) long pallet forks.

H60-70FT lift trucks feature: 2.0" x 4.9" x 36" to 72" (50 x 125 x 915 to 1830 mm) long pallet forks.

Polished and tapered forks are also available.

ENGINES

Three industrial engines are available for the H40-70FT models - the PSI 2.4L engine, the Kubota 2.5L spark ignited engine and the Kubota 2.4L turbo diesel are all emissions compliant powerplants. Their configurations are specified as follows:

PSI 2.4L emissions compliant engine features:

- Hyster® Variable Power Technology™ featuring three performance modes
- 4-cylinder single overhead cam design
- Cast iron block, aluminum cylinder head
- Electronically controlled LPG fuel system
- Five main bearings

- Hydraulic adjusters
- Exhaust and intake valve inserts
- Individual coil over plug ignition units which eliminate the need for spark plug wires
- Spin-on full flow oil filter
- Electronic governor
- Heavy duty air cleaner with pre-cleaner
- Engine Control Unit (ECU)
- Three-way catalytic converter exhaust system
- Twin balance shafts
- 2.4L engine produces 59 horsepower

Kubota 2.5L emissions compliant engine features:

- Hyster® Variable Power Technology™ featuring three performance modes
- Diesel engine architecture with a long cylinder stroke for more torque
- Cast iron cylinder head and block that extends past the centerline of the crankshaft for strength and resistance to shock
- Maintenance free internal drive gear train, maintaining engine timing
- Individual coil over plug ignition units eliminate the need for spark plug wires
- Crossflow cylinder head with intake and exhaust ports on opposite sides of head
- Three-way catalytic converter
- 500-hour service intervals
- 2.5L engine produces 59 horsepower

Kubota 2.4L Tier 4 Final turbo diesel engine features:

- Exhaust Gas Recirculation (EGR) emission system to reduce emissions and a Diesel Oxidation Catalyst (DOC) to capture and oxidize particulate matter (soot)
- Hyster® Variable Power Technology™ featuring 2 performance modes
- Cast iron block and heads
- 2 valves per cylinder "crossflow" cylinder head
- High-pressure common rail fuel system
- Full authority electronic controls

- High efficiency turbocharger
- Charge air cooler (intercooler)
- Fuel filter with water separator
- Mechanical air restriction indicator
- Engine is compatible with biodiesel to a rating of B5 (5% bio, 95% diesel)
- 2.4L engine produces 57 horsepower

TRANSMISSION

- Electronic Powershift: Single range powershift, electronic inching (requires no adjustment), electronic shift control, neutral start switch, and anti-restart protection
- DuraMatch™: All of the features of the standard electronic transmission plus Auto Deceleration System, controlled power reversal, controlled rollback on ramps

COOLING SYSTEM

- Multiple cooling system designs, depending on engine and transmission configuration:
 - Square-wave anti-clog
 - Heavy duty square-wave anti-clog
 - Square-wave anti-clog combi-cooler
- All radiators utilize cross-flow aluminum cores, pusher type fans and permanently lubricated water pump
- "Knife-edge" type fan shrouds that direct air flow through the counterweight air passages
- 15 psi operating system pressure
- Combi-cooler contains an externally mounted transmission oil cooler to aid in heat dissipation

ELECTRICAL SYSTEM

- CANbus electrical system simplifies truck wiring and enhances truck dependability
- IP66 sealed automotive style electrical connectors
- Standardized wire routing, all wires are color coded, and marked with numbers for easy identification
- Vehicle System Manager (VSM) directly or indirectly controls all electrical functions except those controlled by the Engine Control Unit (ECU)

STANDARD FEATURES AND OPTIONS

- 12-volt maintenance free battery provides 475 cold cranking amps (cca) PSI and Kubota LPG, and 770 cca for the Kubota diesel
- Onboard diagnostics monitoring and feedback

HYDRAULIC SYSTEM

Manual hydraulic control valve & electro-hydraulic control valve

- H40-60FT: hydraulic lift system operates at 3100 psi (21.4 Mpa)
- H70FT: hydraulic lift system operates at 3400 psi (23.4 Mpa)
- Tilt and auxiliary systems have 2250 psi (15.5 Mpa) relief pressure in all valve variations
- Hydraulic system is protected by a replaceable 10-micron element in-tank filter assembly
- Hydraulic breather filter includes an anti-splash baffle and is rated at 3-micron

- O-ring face seal fittings with captive O-ring grooves are used on all high pressure connections
- Emergency lowering valve allows load to be lowered in the event of battery power loss
- 100 Mesh suction line strainer

STEER AXLE / STEER SYSTEM

- Equal-area, double-ended, hydrostatic steering cylinder is mounted in cast ductile iron axle frame
- Elastomeric axle mounts absorb shock and allow lubrication free articulation
- Axle assembly utilizes synthetic boots and seals to retain lubricants and shield components against destructive grit and reduce lube points
- Wheel hubs rotate on large, tapered roller bearings
- Top spindle bearings lubricated through easy access lube fittings

- Hydrostatic steer system provides smooth, precise steering with only 4 turns lock-to-lock
- Hyster Stability System (HSS®) enhances lateral stability by limiting steer axle articulation without a compromise in travel across various surfaces

BRAKES

- Asbestos free, self-energizing, automatically adjusting drum brake assemblies
- Single circuit master cylinder with sealed fluid reservoir and magnetic fluid level sensor
- Ratchet-type, hand-activated parking brake lever allows controlled application
- Optional oil-cooled wet disc brakes provide excellent stopping power with a long service life

OPERATOR COMPARTMENT

- Cowl-mounted hydraulic control levers.
- TouchPoint electro-hydraulic seatside mini-levers
- 12-inch textured steering wheel with spinner knob
- Foot controls with single braking/inching pedal (dual pedals are optional)
- Integrated dashboard display is backlit, allowing easy visibility under all lighting conditions
- Grid-style overhead guard offers great visibility at extended heights
- Fully adjustable tilt steer column
- Optimal 15" (H40-50FT) or 16" (H60-70FT) entry step height on both sides of the truck
- MONOTROL® pedal controls engine speed and truck direction, freeing operator's hands to operate steering and hydraulic levers


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





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Part No. H40-70FT/TG
2/2015 Litho in U.S.A.

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