



STRONG PARTNERS. TOUGH TRUCKS.™

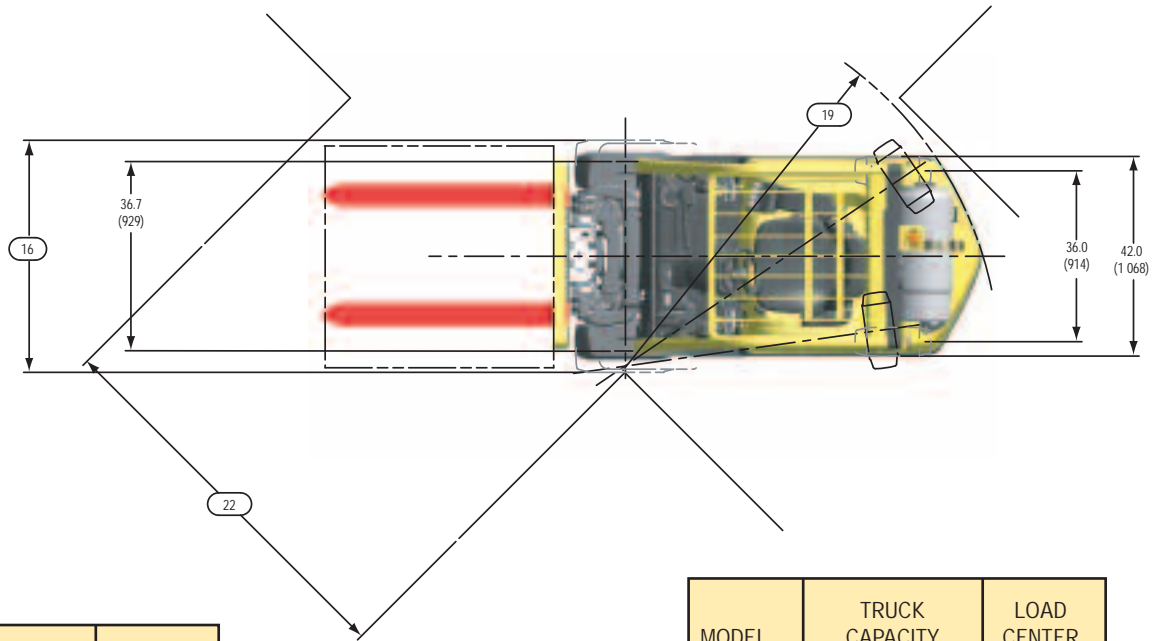
S40-70FT Series

Sit-down, Counterbalanced IC, Cushion Tire, **FORTIS**. Line of Lift Trucks



TECHNICAL GUIDE

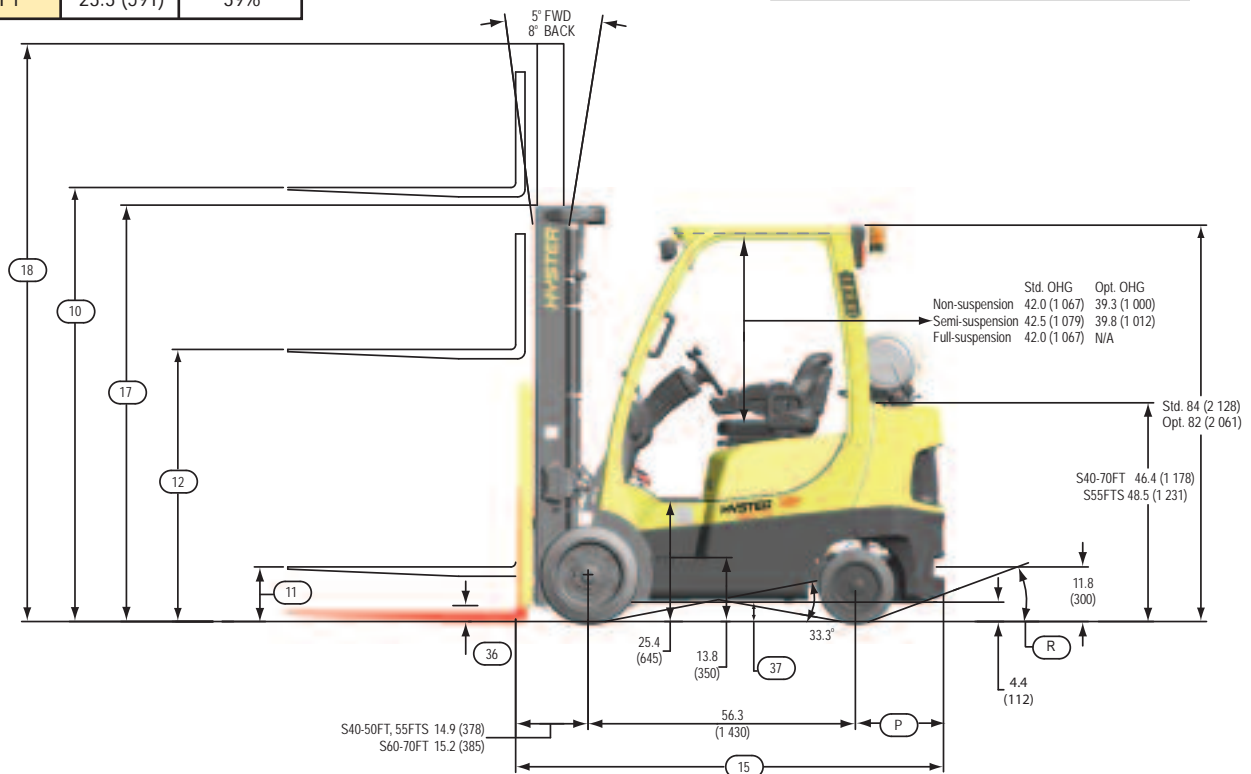
Hyster S40-70FT Lift Truck Dimensions



MODEL	P in. (mm)	R Percent
S40FT	16.5 (418)	50%
S50FT	18.6 (472)	45%
S55FTS	15.9 (405)	47%
S60FT	21.3 (541)	39%
S70FT	23.3 (591)	39%

MODEL	TRUCK CAPACITY lb. (kg)	LOAD CENTER in. (mm)
S40FT	4,000 (1 814)	24 (610)
S50FT	5,000 (2 268)	24 (610)
S55FTS	5,500 (2 495)	24 (610)
S60FT	6,000 (2 721)	24 (610)
S70FT	7,000 (3 175)	24 (610)

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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 - Lights Package and TouchPoint™ hydraulics with fully adjustable armrest.

Hyster S40FT Lift Truck Specifications

GENERAL	1	Manufacturer	Hyster Company	Hyster Company	Hyster Company	
	2	Fortis™ Series, Model	S40FT (Fortis)	S40FT (Fortis Advance)	S40FT (Fortis Advance+)	
		Transmission Type	Basic Electronic	DuraMatch™	DuraMatch, DuraMatch Plus	DuraMatch Plus2
	3	Capacity, rated	lb. (kg)	4,000 (1 814)	4,000 (1 814)	4,000 (1 814)
	4	Load center	in. (mm)	24 (610)	24 (610)	24 (610)
	5	Engine / Power type		Mazda 2.0L / LP, Gas	Mazda 2.2L / LP, Gas	GM 2.4 L / LP, Gas
	6	Operator type		Sit	Sit	Sit
	7	Tire type, front / rear		Cushion / Cushion	Cushion / Cushion	Cushion / Cushion
8	Wheels, front / rear	(X=drive)	2X / 2	2X / 2	2X / 2	

DIMENSIONS	10	2-stg. LFL (TOF)	in. (mm)	129 (3 292)	129 (3 292)	129 (3 292)
	11	Limited free-lift (TOF)	in. (mm)	5 (140)	5 (140)	5 (140)
	12	Optional full free-lift (TOF) with / without LBE	in. (mm)	36 / 62 (910 / 1 575)	36 / 62 (910 / 1 575)	36 / 62 (910 / 1 575)
	13	Forks, thickness / width / length	in. (mm)	1.6x3.9x42.0 (40x100x1 067)	1.6x3.9x42.0 (40x100x1 067)	1.6x3.9x42.0 (40x100x1 067)
	14	Tilt angle, forward / backward	Deg. °	5 / 8	5 / 8	5 / 8
	15	Length to face of forks	in. (mm)	87.6 (2 226)	87.6 (2 226)	87.6 (2 226)
	16	Width, standard tires / wide tread	in. (mm)	42.1 / 48.9 (1 070 / 1 242)	42.1 / 48.9 (1 070 / 1 242)	42.1 / 48.9 (1 070 / 1 242)
	17	Height, standard mast lowered	in. (mm)	85 (2 135)	85 (2 135)	85 (2 135)
	18	Height, std. mast extended with / without LBE	in. (mm)	178 / 151 (4 515 / 3 840)	178 / 151 (4 515 / 3 840)	178 / 151 (4 515 / 3 840)
	19	Turning radius, minimum outside	in. (mm)	76.7 (1 950)	76.7 (1 950)	76.7 (1 950)
	20	Center of wheel to face of forks	in. (mm)	14.9 (378)	14.9 (378)	14.9 (378)
	21	Right Angle Stack (Add load length for 90° stack)	in. (mm)	91.6 (2 328)	91.6 (2 328)	91.6 (2 328)
22	Equal Intersecting Aisle (W=42 in., L=48 in.)	in. (mm)	74.0 (1 880)	74.0 (1 880)	74.0 (1 880)	

PERFORMANCE †	23	Stability (Comply with ANSI?) *		YES	YES	YES
	24	Travel speed RL / NL	mph (km/h)	10.6 / 10.3 (17.0 / 16.6)	10.6 / 10.3 (17.0 / 16.6)	10.7 / 10.5 (17.2 / 16.9) 11.3 / 11.2 (18.3 / 18.0)
	25	Lift speed, standard mast RL / NL ‡	ft/min (m/s)	106.0 / 110.0 (.54 / .56)	110.0 / 110.0 (.56 / .56)	119.0 / 119.0 (.60 / .60)
		Opt. 2-stage FFL mast RL / NL ‡	ft/min (m/s)	95.0 / 99.0 (.48 / .50)	99.0 / 99.0 (.50 / .50)	106.0 / 106.0 (.54 / .54)
		Opt. 3-stage FFL mast RL / NL ‡	ft/min (m/s)	101.0 / 105.0 (.51 / .53)	105.0 / 105.0 (.53 / .53)	113.0 / 113.0 (.57 / .57)
	26	Lowering, standard mast RL / NL ‡	ft/min (m/s)	100.0 / 88.0 (.51 / .45)	100.0 / 88.0 (.51 / .45)	99.0 / 86.0 (.50 / .44)
		Opt. 2-stage FFL mast RL / NL ‡	ft/min (m/s)	85.0 / 62.0 (.43 / .31)	85.0 / 62.0 (.43 / .31)	86.0 / 60.0 (.44 / .30)
		Opt. 3-stage FFL mast RL / NL ‡	ft/min (m/s)	94.0 / 75.0 (.48 / .38)	94.0 / 75.0 (.48 / .38)	97.0 / 81.0 (.49 / .41)
	27	Drawbar pull, 1 mph RL / NL (LP)	lb _f (kN)	3,300 / 2,155 (14.7 / 9.6)	3,989 / 2,155 (17.8 / 9.6)	4,627 / 2,155 (20.6 / 9.6) 4,900 / 2,155 (21.8 / 9.6)
		Drawbar pull, 1 mph RL / NL (Gas)	lb _f (kN)	3,853 / 2,155 (17.1 / 9.6)	4,198 / 2,155 (18.7 / 9.6)	4,130 / 2,155 (18.4 / 9.6)
		Drawbar pull, 3 mph RL / NL (LP)	lb _f (kN)	2,000 / 2,000 (8.9 / 8.9)	1,600 / 2,155 (7.1 / 9.6)	3,100 / 2,155 (13.8 / 9.6) 3,500 / 2,155 (15.6 / 9.6)
		Drawbar pull, 3 mph RL / NL (Gas)	lb _f (kN)	2,500 / 2,155 (11.1 / 9.6)	2,750 / 2,155 (12.2 / 9.6)	2,800 / 2,155 (12.5 / 9.6) 3,200 / 2,155 (14.2 / 9.6)
	28	Gradeability, 1 mph RL / NL (LP)	%	28.4 / 28.4	35.0 / 29.3	41.5 / 29.3 44.3 / 29.3
	Gradeability, 1 mph RL / NL (Gas)	%	33.7 / 29.3	37.1 / 29.3	36.4 / 29.3	
	Gradeability, 3 mph RL / NL (LP)	%	17.5 / 17.5	23.0 / 23.0	28.0 / 28.0 32.0 / 29.3	
	Gradeability, 3 mph RL / NL (Gas)	%	22.0 / 22.0	25.0 / 25.0	24.0 / 24.0 26.9 / 26.9	

WT.	30	Weight, total approximate, std. truck config. NL	lb. (kg)	7,837 (3 555)	7,837 (3 555)	7,837 (3 555)
	31	Axle loading, static, front / rear NL	lb. (kg)	3,567 / 4,270 (1 618 / 1 937)	3,567 / 4,270 (1 618 / 1 937)	3,567 / 4,270 (1 618 / 1 937)
		Axle loading, static, front / rear RL	lb. (kg)	10,321 / 1,516 (4 682 / 688)	10,321 / 1,516 (4 682 / 688)	10,321 / 1,516 (4 682 / 688)

TIRES & WHEELS	33	Size of tires, drive (front) / steer (rear)		21x7x15 / 16x5x10.5	21x7x15 / 16x5x10.5	21x7x15 / 16x5x10.5
	34	Wheelbase	in. (mm)	56.3 (1 430)	56.3 (1 430)	56.3 (1 430)
	35	Tread, center of tires front / rear	in. (mm)	35.1 (892)	35.1 (892)	35.1 (892)
	36	Ground clearance, lowest point NL	in. (mm)	3.6 (91)	3.6 (91)	3.6 (91)
	37	Ground clearance, center wheelbase NL	in. (mm)	4.9 (125)	4.9 (125)	4.9 (125)
	38	Brakes, method of control, service / parking		Foot / Hydraulic	Foot / Hydraulic	Foot / Hydraulic
	39	Brakes, method of operation, service / parking		Hand / Mechanical	Hand / Mechanical	Hand / Mechanical

POWERTRAIN	40	Battery, volts / cold cranking amps	V (amps)	12 / 475	12 / 475	12 / 475
	42	Permanent output @ 2600 rpm LP / Gas	hp (ps)	44 / 50	51 / 54	62 / 63
	43	Torque at 1800 rpm LP / Gas	lb _f /ft (kg/m)	82.0 / 93.0	94.0 / 101.0	123.0 / 103.0
	44	No. cylinders / displacement (cu.in.) / liters		4 / 122 / 2.0L	4 / 134 / 2.2L	4 / 146.5 / 2.4L
	46	Gear change type		Powershift	Powershift	Powershift
	47	Number of speeds, forward / reverse		1 / 1	1 / 1	1 / 1 2 / 1
	48	Transmission type		Electronically Controlled	Electronically Controlled	Electronically Controlled
55	Relief pressure for attachments	psi (kPa)	2,250 (15.5)	2,250 (15.5)	2,250 (15.5)	

* 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/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. Specifications are subject to change and you should discuss the proposed application with your authorized Hyster Dealer.

‡ Limited by traction. For further information on this dimension, please contact your local Hyster Company dealer.

¥ Specifications given are for both LP and Gas where applicable unless otherwise noted.

Hyster S50FT Lift Truck Specifications

GENERAL	1	Manufacturer	Hyster Company	Hyster Company	Hyster Company	
	2	Fortis™ Series, Model	S50FT (Fortis)	S50FT (Fortis Advance)	S50FT (Fortis Advance+)	
		Transmission Type	Basic Electronic	DuraMatch™	DuraMatch, DuraMatch Plus	DuraMatch Plus2
	3	Capacity, rated	lb. (kg)	5,000 (2 268)	5,000 (2 268)	5,000 (2 268)
	4	Load center	in. (mm)	24 (610)	24 (610)	24 (610)
	5	Engine / Power type	Mazda 2.0L / LP, Gas	Mazda 2.2L / LP, Gas	GM 2.4L / LP, Gas	
	6	Operator type	Sit	Sit	Sit	
	8	Wheels, front / rear	(X=drive)	2X / 2	2X / 2	2X / 2

DIMENSIONS	10	2-stg. LFL (TOF)	in. (mm)	129 (3 292)	129 (3 292)	129 (3 292)
	11	Limited free-lift (TOF)	in. (mm)	5 (140)	5 (140)	5 (140)
	12	Optional full free-lift (TOF) with / without LBE	in. (mm)	36 / 62 (910 / 1 575)	36 / 62 (910 / 1 575)	36 / 62 (910 / 1 575)
	13	Forks, thickness / width / length	in. (mm)	1.6x3.9x42.0 (40x100x1 067)	1.6x3.9x42.0 (40x100x1 067)	1.6x3.9x42.0 (40x100x1 067)
	14	Tilt angle, forward / backward	Deg. °	5 / 8	5 / 8	5 / 8
	15	Length to face of forks	in. (mm)	89.8 (2 280)	89.8 (2 280)	89.8 (2 280)
	16	Width, standard tires / wide tread	in. (mm)	42.1 / 48.9 (1 070 / 1 242)	42.1 / 48.9 (1 070 / 1 242)	42.1 / 48.9 (1 070 / 1 242)
	17	Height, standard mast lowered	in. (mm)	85 (2 135)	85 (2 135)	85 (2 135)
	18	Height, std. mast extended with / without LBE	in. (mm)	178 / 151 (4 515 / 3 840)	178 / 151 (4 515 / 3 840)	178 / 151 (4 515 / 3 840)
	19	Turning radius, minimum outside	in. (mm)	78.7 (2 000)	78.7 (2 000)	78.7 (2 000)
	20	Center of wheel to face of forks	in. (mm)	14.9 (378)	14.9 (378)	14.9 (378)
	21	Right Angle Stack (Add load length for 90° stack)	in. (mm)	93.6 (2 378)	93.6 (2 378)	93.6 (2 378)
22	Equal Intersecting Aisle (W=42 in., L=48 in.)	in. (mm)	74.9 (1 902)	74.9 (1 902)	74.9 (1 902)	

PERFORMANCE †	23	Stability (Comply with ANSI?) *		YES	YES	YES
	24	Travel speed RL / NL	mph (km/h)	10.6 / 10.3 (17.0 / 16.6)	10.6 / 10.3 (17.0 / 16.6)	10.7 / 10.5 (17.2 / 16.9) 11.3 / 11.2 (18.3 / 18.0)
	25	Lift speed, standard mast RL / NL ‡	ft/min (m/s)	92.0 / 110 (.47 / .56)	110.0 / 110.0 (.56 / .56)	119.0 / 119.0 (.60 / .60)
		Opt. 2-stage FFL mast RL / NL ‡	ft/min (m/s)	82.0 / 99.0 (.42 / .50)	99.0 / 99.0 (.50 / .50)	106.0 / 106.0 (.54 / .54)
		Opt. 3-stage FFL mast RL / NL ‡	ft/min (m/s)	87.0 / 105.0 (.44 / .53)	105.0 / 105.0 (.53 / .53)	113.0 / 113.0 (.57 / .57)
	26	Lowering, standard mast RL / NL ‡	ft/min (m/s)	102.0 / 88.0 (.52 / .45)	102.0 / 88.0 (.52 / .45)	99.0 / 86.0 (.50 / .44)
		Opt. 2-stage FFL mast RL / NL ‡	ft/min (m/s)	88.0 / 62.0 (.45 / .31)	88.0 / 62.0 (.45 / .31)	87.0 / 60.0 (.44 / .30)
		Opt. 3-stage FFL mast RL / NL ‡	ft/min (m/s)	95.0 / 75.0 (.48 / .38)	95.0 / 75.0 (.48 / .38)	93.0 / 81.0 (.47 / .41)
	27	Drawbar pull, 1 mph RL / NL (LP)	lb _f (kN)	3,263 / 1,983 (14.5 / 8.8)	3,952 / 1,983 (17.6 / 8.8)	4,590 / 1,983 (20.4 / 8.8) 4,900 / 1,983 (21.8 / 8.8)
		Drawbar pull, 1 mph RL / NL (Gas)	lb _f (kN)	3,815 / 1,983 (17.0 / 8.8)	4,160 / 1,983 (18.5 / 8.8)	4,093 / 1,983 (18.2 / 8.8)
		Drawbar pull, 3 mph RL / NL (LP)	lb _f (kN)	2,092 / 1,983 (9.3 / 8.8)	2,500 / 1,983 (11.1 / 8.8)	3,200 / 1,983 (14.2 / 8.8) 3,600 / 1,983 (16.0 / 8.8)
		Drawbar pull, 3 mph RL / NL (Gas)	lb _f (kN)	2,500 / 1,983 (11.1 / 8.8)	2,750 / 1,983 (12.2 / 8.8)	2,600 / 1,983 (11.6 / 8.8) 3,400 / 1,983 (15.1 / 8.8)
28	Gradeability, 1 mph RL / NL (LP)	%	23.6 / 23.5	29.0 / 23.5	34.2 / 23.5 36.8 / 23.5	
	Gradeability, 1 mph RL / NL (Gas)	%	27.9 / 23.5	30.7 / 23.5	30.1 / 23.5	
	Gradeability, 3 mph RL / NL (LP)	%	15.0 / 15.0	18.0 / 18.0	23.0 / 23.0 27.0 / 23.5	
	Gradeability, 3 mph RL / NL (Gas)	%	17.4 / 17.4	20.0 / 20.0	20.0 / 20.0 23.5 / 23.5	

WT.	30	Weight, total approximate, std. truck config. NL	lb. (kg)	8,621 (3 910)	8,621 (3 910)	8,621 (3 910)
	31	Axle loading, static, front / rear NL	lb. (kg)	3,399 / 5,222 (1 542 / 2 369)	3,399 / 5,222 (1 542 / 2 369)	3,399 / 5,222 (1 542 / 2 369)
		Axle loading, static, front / rear RL	lb. (kg)	11,841 / 1,780 (5 371 / 807)	11,841 / 1,780 (5 371 / 807)	11,841 / 1,780 (5 371 / 807)

TIRES & WHEELS	33	Size of tires, drive (front) / steer (rear)		21x7x15 / 16x5x10.5	21x7x15 / 16x5x10.5	21x7x15 / 16x5x10.5
	34	Wheelbase	in. (mm)	56.3 (1 430)	56.3 (1 430)	56.3 (1 430)
	35	Tread, center of tires front / rear	in. (mm)	35.1 (892)	35.1 (892)	35.1 (892)
	36	Ground clearance, lowest point NL	in. (mm)	3.6 (91)	3.6 (91)	3.6 (91)
	37	Ground clearance, center wheelbase NL	in. (mm)	4.9 (125)	4.9 (125)	4.9 (125)
	38	Brakes, method of control, service / parking		Foot / Hydraulic	Foot / Hydraulic	Foot / Hydraulic
	39	Brakes, method of operation, service / parking		Hand / Mechanical	Hand / Mechanical	Hand / Mechanical

POWERTRAIN	40	Battery, volts / cold cranking amps	V (amps)	12 / 475	12 / 475	12 / 475
	42	Permanent output @ 2600 rpm LP / Gas	hp (ps)	44 / 50	51 / 54	62 / 63
	43	Torque at 1800 rpm LP / Gas	lb _f /ft (kg/m)	82.0 / 93.0	94.0 / 101.0	123.0 / 103.0
	44	No. cylinders / displacement (cu.in.) / liters		4 / 122 / 2.0L	4 / 134 / 2.2L	4 / 146.5 / 2.4L
	46	Gear change type		Powershift	Powershift	Powershift
	47	Number of speeds, forward / reverse		1 / 1	1 / 1	1 / 1 2 / 1
	48	Transmission type		Electronically Controlled	Electronically Controlled	Electronically Controlled
55	Relief pressure for attachments	psi (kPA)	2,250 (15.5)	2,250 (15.5)	2,250 (15.5)	

* 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/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. Specifications are subject to change and you should discuss the proposed application with your authorized Hyster Dealer.

‡ Limited by traction. For further information on this dimension, please contact your local Hyster Company dealer.

¥ Specifications given are for both LP and Gas where applicable unless otherwise noted.

Hyster S55FTS Lift Truck Specifications

GENERAL	1	Manufacturer	Hyster Company	Hyster Company	Hyster Company	
	2	Fortis™ Series, Model	S55FTS (Fortis)	S55FTS (Fortis Advance)	S55FTS (Fortis Advance+)	
		Transmission Type	Basic Electronic	DuraMatch™	DuraMatch, DuraMatch Plus	DuraMatch Plus2
	3	Capacity, rated	lb. (kg)	5,500 (2 495)	5,500 (2 495)	5,500 (2 495)
	4	Load center	in. (mm)	24 (610)	24 (610)	24 (610)
	5	Engine / Power type		Mazda 2.0L / LP, Gas	Mazda 2.2L / LP, Gas	GM 2.4 L / LP, Gas
	6	Operator type		Sit	Sit	Sit
	7	Tire type, front / rear		Cushion / Cushion	Cushion / Cushion	Cushion / Cushion
8	Wheels, front / rear	(X=drive)	2X / 2	2X / 2	2X / 2	
DIMENSIONS	10	2-stg. LFL (TOF)	in. (mm)	129 (3 292)	129 (3 292)	129 (3 292)
	11	Limited free-lift (TOF)	in. (mm)	5 (140)	5 (140)	5 (140)
	12	Optional full free-lift (TOF) with / without LBE	in. (mm)	36 / 62 (910 / 1 575)	36 / 62 (910 / 1 575)	36 / 62 (910 / 1 575)
	13	Forks, thickness / width / length	in. (mm)	1.6x3.9x42.0 (40x100x1 067)	1.6x3.9x42.0 (40x100x1 067)	1.6x3.9x42.0 (40x100x1 067)
	14	Tilt angle, forward / backward	Deg. °	5 / 8	5 / 8	5 / 8
	15	Length to face of forks	in. (mm)	87.1 (2 213)	87.1 (2 213)	87.1 (2 213)
	16	Width, standard tires / wide tread	in. (mm)	43.6 / 48.9 (1 108 / 1 242)	43.6 / 48.9 (1 108 / 1 242)	43.6 / 48.9 (1 108 / 1 242)
	17	Height, standard mast lowered	in. (mm)	85 (2 135)	85 (2 135)	85 (2 135)
	18	Height, std. mast extended with / without LBE	in. (mm)	178 / 151 (4 515 / 3 840)	178 / 151 (4 515 / 3 840)	178 / 151 (4 515 / 3 840)
	19	Turning radius, minimum outside	in. (mm)	76.2 (1 937)	76.2 (1 937)	76.2 (1 937)
	20	Center of wheel to face of forks	in. (mm)	14.9 (378)	14.9 (378)	14.9 (378)
	21	Right Angle Stack (Add load length for 90° stack)	in. (mm)	91.1 (2 315)	91.1 (2 315)	91.1 (2 315)
	22	Equal Intersecting Aisle (W=42 in., L=48 in.)	in. (mm)	74.3 (1 888)	74.3 (1 888)	74.3 (1 888)
	PERFORMANCE †	23	Stability (Comply with ANSI?) *		YES	YES
24		Travel speed RL / NL	mph (km/h)	10.6 / 10.3 (17.0 / 16.6)	10.6 / 10.3 (17.0 / 16.6)	10.7 / 10.5 (17.2 / 16.9)
25		Lift speed, standard mast RL / NL ‡	ft/min (m/s)	104.0 / 110 (.53 / .56)	110.0 / 110.0 (.56 / .56)	119.0 / 119.0 (.60 / .60)
		Opt. 2-stage FFL mast RL / NL ‡	ft/min (m/s)	93.0 / 110.0 (.47 / .56)	99.0 / 99.0 (.50 / .50)	106.0 / 106.0 (.54 / .54)
		Opt. 3-stage FFL mast RL / NL ‡	ft/min (m/s)	99.0 / 110.0 (.50 / .56)	105.0 / 105.0 (.53 / .53)	113.0 / 113.0 (.57 / .57)
26		Lowering, standard mast RL / NL ‡	ft/min (m/s)	102.0 / 88.0 (.52 / .45)	102.0 / 88.0 (.52 / .45)	102.0 / 88.0 (.52 / .45)
		Opt. 2-stage FFL mast RL / NL ‡	ft/min (m/s)	95.0 / 66.0 (.48 / .36)	95.0 / 66.0 (.48 / .36)	95.0 / 66.0 (.48 / .36)
		Opt. 3-stage FFL mast RL / NL ‡	ft/min (m/s)	106.0 / 88.0 (.54 / .45)	106.0 / 88.0 (.54 / .45)	105.0 / 85.0 (.53 / .43)
27		Drawbar pull, 1 mph RL / NL (LP)	lb _F (kN)	3,248 / 1,852 (14.5 / 8.2)	3,938 / 1,852 (17.5 / 8.2)	4,576 / 1,852 (20.4 / 8.2)
		Drawbar pull, 1 mph RL / NL (Gas)	lb _F (kN)	3,800 / 1,852 (16.9 / 8.2)	4,146 / 1,852 (18.4 / 8.2)	4,079 (1,850) / 1,852 (18.2 / 8.2)
		Drawbar pull, 3 mph RL / NL (LP)	lb _F (kN)	2,100 / 1,852 (9.3 / 8.2)	2,600 / 1,852 (11.6 / 8.2)	3,300 / 1,852 (14.7 / 8.2)
		Drawbar pull, 3 mph RL / NL (Gas)	lb _F (kN)	2,500 / 1,852 (11.1 / 8.2)	2,800 / 1,852 (12.5 / 8.2)	2,800 / 1,852 (12.5 / 8.2)
28		Gradeability, 1 mph RL / NL (LP)	%	22.2 / 19.9	27.2 / 19.9	32.0 / 19.9
	Gradeability, 1 mph RL / NL (Gas)	%	26.2 / 19.9	28.8 / 19.9	28.2 / 19.9	
	Gradeability, 3 mph RL / NL (LP)	%	14.0 / 14.0	16.9 / 16.9	21.5 / 19.9	
	Gradeability, 3 mph RL / NL (Gas)	%	17.0 / 17.0	19.0 / 19.0	23.0 / 19.9	
WT.	30	Weight, total approximate, std. truck config. NL	lb. (kg)	9,223 (4 184)	9,223 (4 184)	9,223 (4 184)
	31	Axle loading, static, front / rear NL	lb. (kg)	3,442 / 5,781 (1 561 / 2 622)	3,442 / 5,781 (1 561 / 2 622)	3,442 / 5,781 (1 561 / 2 622)
		Axle loading, static, front / rear RL	lb. (kg)	12,728 / 1,994 (5 773 / 904)	12,728 / 1,994 (5 773 / 904)	12,728 / 1,994 (5 773 / 904)
TIRES & WHEELS	33	Size of tires, drive (front) / steer (rear)		21x8x15 / 16x6x10.5	21x8x15 / 16x6x10.5	21x8x15 / 16x6x10.5
	34	Wheelbase	in. (mm)	56.3 (1 430)	56.3 (1 430)	56.3 (1 430)
	35	Tread, center of tires front / rear	in. (mm)	35.6 (905)	35.6 (905)	35.6 (905)
	36	Ground clearance, lowest point NL	in. (mm)	3.6 (91)	3.6 (91)	3.6 (91)
	37	Ground clearance, center wheelbase NL	in. (mm)	4.9 (125)	4.9 (125)	4.9 (125)
	38	Brakes, method of control, service / parking		Foot / Hydraulic	Foot / Hydraulic	Foot / Hydraulic
	39	Brakes, method of operation, service / parking		Hand / Mechanical	Hand / Mechanical	Hand / Mechanical
POWERTRAIN	40	Battery, volts / cold cranking amps	V (amps)	12 / 475	12 / 475	12 / 475
	42	Permanent output @ 1800 rpm LP / Gas	hp (ps)	44 / 50	51 / 54	62 / 63
	43	Torque at 2600 rpm LP / Gas	lb _F /ft (kg/m)	82.0 / 93.0	94.0 / 101.0	123.0 / 103.0
	44	No. cylinders / displacement (cu.in.) / liters		4 / 122 / 2.0L	4 / 134 / 2.2L	4 / 146.5 / 2.4L
	46	Gear change type		Powershift	Powershift	Powershift
	47	Number of speeds, forward / reverse		1 / 1	1 / 1	1 / 1
	48	Transmission type		Electronically Controlled	Electronically Controlled	Electronically Controlled
55	Relief pressure for attachments	psi (kPA)	2,250 (15.5)	2,250 (15.5)	2,250 (15.5)	

* 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/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. Specifications are subject to change and you should discuss the proposed application with your authorized Hyster Dealer.
‡ Limited by traction. For further information on this dimension, please contact your local Hyster Company dealer.
¥ Specifications given are for both LP and Gas where applicable unless otherwise noted.

Hyster S60FT Lift Truck Specifications

GENERAL	1	Manufacturer	Hyster Company	Hyster Company	Hyster Company	
	2	Fortis™ Series, Model	S60FT (Fortis)	S60FT (Fortis Advance)	S60FT (Fortis Advance+)	
		Transmission Type	Basic Electronic	DuraMatch™	DuraMatch, DuraMatch Plus	DuraMatch Plus2
	3	Capacity, rated	lb. (kg)	6,000 (2 721)	6,000 (2 721)	6,000 (2 721)
	4	Load center	in. (mm)	24 (610)	24 (610)	24 (610)
	5	Engine / Power type		Mazda 2.0L / LP, Gas	Mazda 2.2L / LP, Gas	GM 2.4L / LP, Gas
	6	Operator type		Sit	Sit	Sit
	7	Tire type, front / rear		Cushion / Cushion	Cushion / Cushion	Cushion / Cushion
8	Wheels, front / rear	(X=drive)	2X / 2	2X / 2	2X / 2	

DIMENSIONS	10	2-stg. LFL (TOF)	in. (mm)	126 (3 209)	126 (3 209)	126 (3 209)
	11	Limited free-lift (TOF)	in. (mm)	5 (150)	5 (150)	5 (150)
	12	Optional full free-lift (TOF) with / without LBE	in. (mm)	36 / 59 (905 / 1 490)	36 / 59 (905 / 1 490)	36 / 59 (905 / 1 490)
	13	Forks, thickness / width / length	in. (mm)	1.6x3.9x42.0 (40x100x1 067)	1.6x3.9x42.0 (40x100x1 067)	1.6x3.9x42.0 (40x100x1 067)
	14	Tilt angle, forward / backward	Deg. °	5 / 8	5 / 8	5 / 8
	15	Length to face of forks	in. (mm)	92.8 (2 356)	92.8 (2 356)	92.8 (2 356)
	16	Width, standard tires / wide tread	in. (mm)	43.6 / 48.9 (1 108 / 1 242)	43.6 / 48.9 (1 108 / 1 242)	43.6 / 48.9 (1 108 / 1 242)
	17	Height, standard mast lowered	in. (mm)	86 (2 185)	86 (2 185)	86 (2 185)
	18	Height, std. mast extended with / without LBE	in. (mm)	175 / 152 (4 435 / 3 855)	175 / 152 (4 435 / 3 855)	175 / 152 (4 435 / 3 855)
	19	Turning radius, minimum outside	in. (mm)	81.3(2 066)	81.3(2 066)	81.3(2 066)
	20	Center of wheel to face of forks	in. (mm)	15.2 (385)	15.2 (385)	15.2 (385)
	21	Right Angle Stack (Add load length for 90° stack)	in. (mm)	96.5 (2 451)	96.5 (2 451)	96.5 (2 451)
22	Equal Intersecting Aisle (W=42 in., L=48 in.)	in. (mm)	76.7 (1 948)	76.7 (1 948)	76.7 (1 948)	

PERFORMANCE †	23	Stability (Comply with ANSI?) *		YES	YES	YES
	24	Travel speed RL / NL	mph (km/h)	10.6 / 10.3 (17.0 / 16.6)	10.6 / 10.3 (17.0 / 16.6)	10.7 / 10.5 (17.2 / 16.9) 11.3 / 11.2 (18.3 / 18.0)
	25	Lift speed, standard mast RL / NL ‡	ft/min (m/s)	84.0 / 97.0 (.43 / .49)	97.0 / 97.0 (.49 / .49)	104.0 / 104.0 (.53 / .53)
		Opt. 2-stage FFL mast RL / NL ‡	ft/min (m/s)	82.0 / 95.0 (.42 / .48)	95.0 / 95.0 (.48 / .48)	102.0 / 102.0 (.52 / .52)
		Opt. 3-stage FFL mast RL / NL ‡	ft/min (m/s)	89.0 / 102.0 (.45 / .52)	102.0 / 102.0 (.52 / .52)	110.0 / 110.0 (.56 / .56)
	26	Lowering, standard mast RL / NL ‡	ft/min (m/s)	102.0 / 88.0 (.52 / .45)	102.0 / 88.0 (.52 / .45)	102.0 / 88.0 (.52 / .45)
		Opt. 2-stage FFL mast RL / NL ‡	ft/min (m/s)	98.0 / 66.0 (.50 / .34)	98.0 / 66.0 (.50 / .34)	98.0 / 66.0 (.50 / .34)
		Opt. 3-stage FFL mast RL / NL ‡	ft/min (m/s)	107.0 / 88.0 (.54 / .45)	107.0 / 88.0 (.54 / .45)	107.0 / 85.0 (.54 / .43)
	27	Drawbar pull, 1 mph RL / NL (LP)	lbf (kN)	3,225 / 1,892 (14.4 / 8.4)	3,915 / 1,892 (17.4 / 8.4)	4,553 / 1,892 (20.3 / 8.4) 4,900 / 1,892 (21.8 / 8.4)
		Drawbar pull, 1 mph RL / NL (Gas)	lbf (kN)	3,778 / 1,892 (16.8 / 8.4)	4,123 / 1,892 (18.3 / 8.4)	4,056 / 1,892 (18.0 / 8.4) 4,900 / 1,892 (21.8 / 8.4)
		Drawbar pull, 3 mph RL / NL (LP)	lbf (kN)	2,000 / 1,892 (8.9 / 8.4)	2,550 / 1,892 (11.3 / 8.4)	3,100 / 1,892 (13.8 / 8.4) 3,350 / 1,892 (11.8 / 8.4)
		Drawbar pull, 3 mph RL / NL (Gas)	lbf (kN)	2,600 / 1,892 (11.5 / 8.4)	2,750 / 1,892 (12.2 / 8.4)	2,650 / 1,892 (11.8 / 8.4) 3,350 / 1,892 (11.8 / 8.4)
28	Gradeability, 1 mph RL / NL (LP)	%	20.2 / 19.9	24.7 / 19.9	29.1 / 19.9 31.5 / 19.9	
	Gradeability, 1 mph RL / NL (Gas)	%	23.8 / 19.9	26.1 / 19.9	25.7 / 19.9 31.5 / 19.9	
	Gradeability, 3 mph RL / NL (LP)	%	12.7 / 12.7	16.0 / 16.0	20.0 / 19.9 20.2 / 19.9	
	Gradeability, 3 mph RL / NL (Gas)	%	16.0 / 16.0	17.0 / 17.0	17.5 / 17.5 20.2 / 19.9	

WT.	30	Weight, total approximate, std. truck config. NL	lb. (kg)	9,838 (4 462)	9,838 (4 462)	9,838 (4 462)
	31	Axle loading, static, front / rear NL	lb. (kg)	3,516 / 6,322 (1 595 / 2 868)	3,516 / 6,322 (1 595 / 2 868)	3,516 / 6,322 (1 595 / 2 868)
		Axle loading, static, front / rear RL	lb. (kg)	13,698 / 2,140 (6 213 / 971)	13,698 / 2,140 (6 213 / 971)	13,698 / 2,140 (6 213 / 971)

TIRES & WHEELS	33	Size of tires, drive (front) / steer (rear)		21x8x15 / 16x6x10.5	21x8x15 / 16x6x10.5	21x8x15 / 16x6x10.5
	34	Wheelbase	in. (mm)	56.3 (1 430)	56.3 (1 430)	56.3 (1 430)
	35	Tread, center of tires front / rear	in. (mm)	35.6 (905)	35.6 (905)	35.6 (905)
	36	Ground clearance, lowest point NL	in. (mm)	3.6 (91)	3.6 (91)	3.6 (91)
	37	Ground clearance, center wheelbase NL	in. (mm)	4.9 (125)	4.9 (125)	4.9 (125)
	38	Brakes, method of control, service / parking		Foot / Hydraulic	Foot / Hydraulic	Foot / Hydraulic
39	Brakes, method of operation, service / parking		Hand / Mechanical	Hand / Mechanical	Hand / Mechanical	

POWERTRAIN	40	Battery, volts / cold cranking amps	V (amps)	12 / 475	12 / 475	12 / 475
	42	Permanent output @ 2600 rpm LP / Gas	hp (ps)	44 / 50	51 / 54	62 / 63
	43	Torque at 1800 rpm LP / Gas	lbf/ft (kg/m)	82.0 / 93.0	94.0 / 101.0	123.0 / 103.0
	44	No. cylinders / displacement (cu.in.) / liters		4 / 122 / 2.0L	4 / 134 / 2.2L	4 / 146.5 / 2.4L
	46	Gear change type		Powershift	Powershift	Powershift
	47	Number of speeds, forward / reverse		1 / 1	1 / 1	1 / 1 2 / 1
	48	Transmission type		Electronically Controlled	Electronically Controlled	Electronically Controlled
55	Relief pressure for attachments	psi (kPA)	2,250 (15.5)	2,250 (15.5)	2,250 (15.5)	

* 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/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. Specifications are subject to change and you should discuss the proposed application with your authorized Hyster Dealer.

‡ Limited by traction. For further information on this dimension, please contact your local Hyster Company dealer.

¥ Specifications given are for both LP and Gas where applicable unless otherwise noted.

Hyster S70FT Lift Truck Specifications

GENERAL	1	Manufacturer	Hyster Company	Hyster Company	Hyster Company	
	2	Fortis™ Series, Model	S70FT (Fortis)	S70FT (Fortis Advance)	S70FT (Fortis Advance+)	
		Transmission Type	Basic Electronic	DuraMatch™	DuraMatch™ Plus	DuraMatch Plus2
	3	Capacity, rated	lb. (kg)	7,000 (3 175)	7,000 (3 175)	7,000 (3 175)
	4	Load center	in. (mm)	24 (610)	24 (610)	24 (610)
	5	Engine / Power type		Mazda 2.2L / LP, Gas	GM 2.4L / LP, Gas	GM 2.4L / LP, Gas
	6	Operator type		Sit	Sit	Sit
	7	Tire type, front / rear		Cushion / Cushion	Cushion / Cushion	Cushion / Cushion
8	Wheels, front / rear	(X=drive)	2X / 2	2X / 2	2X / 2	
DIMENSIONS	10	2-stg. LFL (TOF)	in. (mm)	126 (3 209)	126 (3 209)	126 (3 209)
	11	Limited free-lift (TOF)	in. (mm)	5 (150)	5 (150)	5 (150)
	12	Optional full free-lift (TOF) with / without LBE	in. (mm)	36 / 59 (905 / 1 490)	36 / 59 (905 / 1 490)	36 / 59 (905 / 1 490)
	13	Forks, thickness / width / length	in. (mm)	1.6x3.9x42.0 (40x100x1 067)	1.6x3.9x42.0 (40x100x1 067)	1.6x3.9x42.0 (40x100x1 067)
	14	Tilt angle, forward / backward	Deg. °	5 / 8	5 / 8	5 / 8
	15	Length to face of forks	in. (mm)	94.7 (2 406)	94.7 (2 406)	94.7 (2 406)
	16	Width, standard tires / wide tread	in. (mm)	46.0 / 48.9 (1 158 / 1 242)	46.0 / 48.9 (1 158 / 1 242)	46.0 / 48.9 (1 158 / 1 242)
	17	Height, standard mast lowered	in. (mm)	86 (2 185)	86 (2 185)	86 (2 185)
	18	Height, std. mast extended with / without LBE	in. (mm)	175 / 152 (4 435 / 3 855)	175 / 152 (4 435 / 3 855)	175 / 152 (4 435 / 3 855)
	19	Turning radius, minimum outside	in. (mm)	83.4 (2 119)	83.4 (2 119)	83.4 (2 119)
	20	Center of wheel to face of forks	in. (mm)	15.2 (385)	15.2 (385)	15.2 (385)
	21	Right Angle Stack (Add load length for 90° stack)	in. (mm)	98.6 (2 504)	98.6 (2 504)	98.6 (2 504)
	22	Equal Intersecting Aisle (W=42 in., L=48 in.)	in. (mm)	78.4 (1 991)	78.4 (1 991)	78.4 (1 991)
	PERFORMANCE †	23	Stability (Comply with ANSI?) *		YES	YES
24		Travel speed RL / NL (LP)	mph (km/h)	10.6 / 10.3 (17 / 16.6)	10.7 / 10.5 (17.2 / 16.9)	10.7 / 10.5 (17.2 / 16.9) 11.3 / 11.2 (18.3 / 18.0)
25		Lift speed, standard mast RL / NL (LP)	ft/min (m/s)	88.0 / 97.0 (.45 / .49)	104.0 / 104.0 (.53 / .53)	104.0 / 104.0 (.53 / .53)
		Lift speed, standard mast RL / NL (Gas)	ft/min (m/s)	93.0 / 97.0 (.47 / .49)	94.0 / 104.0 (.48 / .53)	94.0 / 104.0 (.48 / .53)
		Opt. 2-stage FFL mast RL / NL (LP)	ft/min (m/s)	86.0 / 95.0 (.44 / .48)	102.0 / 102.0 (.52 / .52)	102.0 / 102.0 (.52 / .52)
		Opt. 2-stage FFL mast RL / NL (Gas)	ft/min (m/s)	91.0 / 95.0 (.46 / .48)	92.0 / 102.0 (.47 / .52)	92.0 / 102.0 (.47 / .52)
		Opt. 3-stage FFL mast RL / NL (LP)	ft/min (m/s)	93.0 / 102.0 (.47 / .52)	110.0 / 110.0 (.56 / .56)	110.0 / 110.0 (.56 / .56)
		Opt. 3-stage FFL mast RL / NL (Gas)	ft/min (m/s)	99.0 / 102.0 (.50 / .52)	100.0 / 110.0 (.51 / .56)	100.0 / 110.0 (.51 / .56)
26		Lowering, standard mast RL / NL ‡	ft/min (m/s)	102.0 / 88.0 (.52 / .45)	102.0 / 88.0 (.52 / .45)	102.0 / 88.0 (.52 / .45)
		Opt. 2-stage FFL mast RL / NL ‡	ft/min (m/s)	98.0 / 66.0 (.50 / .34)	98.0 / 66.0 (.50 / .34)	98.0 / 66.0 (.50 / .34)
		Opt. 3-stage FFL mast RL / NL ‡	ft/min (m/s)	107.0 / 88.0 (.54 / .45)	107.0 / 88.0 (.54 / .45)	107.0 / 85.0 (.54 / .43)
27		Drawbar pull, 1 mph RL / NL (LP)	lb _F (kN)	3,822 / 1,702 (17.0 / 7.6)	4,520 / 1,702 (20.1 / 7.6)	4,520 / 1,702 (20.1 / 7.6) 4,900 / 1,702 (21.8 / 7.6)
		Drawbar pull, 1 mph RL / NL (Gas)	lb _F (kN)	4,090 / 1,702 (18.2 / 7.6)	4,023 / 1,702 (17.9 / 7.6)	4,023 / 1,702 (17.9 / 7.6)
		Drawbar pull, 3 mph RL / NL (LP)	lb _F (kN)	2,600 / 1,702 (11.6 / 7.6)	3,000 / 1,702 (13.4 / 7.6)	3,000 / 1,702 (13.4 / 7.6) 3,700 / 1,702 (16.5 / 7.6)
		Drawbar pull, 3 mph RL / NL (Gas)	lb _F (kN)	2,700 / 1,702 (12.0 / 7.6)	2,600 / 1,702 (11.6 / 7.6)	2,600 / 1,702 (11.6 / 7.6) 3,200 / 1,702 (14.2 / 7.6)
28		Gradeability, 1 mph RL / NL (LP)	%	21.8 / 16.5	25.7 / 16.5	25.7 / 16.5 28.0 / 16.5
	Gradeability, 1 mph RL / NL (Gas)	%	23.1 / 16.5	22.7 / 16.5	22.7 / 16.5 28.0 / 16.5	
	Gradeability, 3 mph RL / NL (LP)	%	14.0 / 14.0	17.0 / 16.5	17.0 / 16.5 21.0 / 16.5	
	Gradeability, 3 mph RL / NL (Gas)	%	15.0 / 15.0	15.0 / 15.0	15.0 / 15.0 17.5 / 16.5	
WT.	30	Weight, total approximate, std. truck config. NL	lb. (kg)	10,604 (4 810)	10,604 (4 810)	10,604 (4 810)
	31	Axle loading, static, front / rear NL	lb. (kg)	3,310 / 7,294 (1 501 / 3 309)	3,310 / 7,294 (1 501 / 3 309)	3,310 / 7,294 (1 501 / 3 309)
		Axle loading, static, front / rear RL	lb. (kg)	15,189 / 2,415 (6 890 / 1 095)	15,189 / 2,415 (6 890 / 1 095)	15,189 / 2,415 (6 890 / 1 095)
TIRES & WHEELS	33	Size of tires, drive (front) / steer (rear)		21x9x15 / 16x6x10.5	21x9x15 / 16x6x10.5	21x9x15 / 16x6x10.5
	34	Wheelbase	in. (mm)	56.3 (1 430)	56.3 (1 430)	56.3 (1 430)
	35	Tread, center of tires front / rear	in. (mm)	36.7 (929)	36.7 (929)	36.7 (929)
	36	Ground clearance, lowest point NL	in. (mm)	3.6 (91)	3.6 (91)	3.6 (91)
	37	Ground clearance, center wheelbase NL	in. (mm)	4.9 (125)	4.9 (125)	4.9 (125)
	38	Brakes, method of control, service / parking		Foot / Hydraulic	Foot / Hydraulic	Foot / Hydraulic
39	Brakes, method of operation, service / parking		Hand / Mechanical	Hand / Mechanical	Hand / Mechanical	
POWERTRAIN	40	Battery, volts / cold cranking amps	V (amps)	12 / 475	12 / 475	12 / 475
	42	Permanent output @ 2600 rpm LP / Gas	hp (ps)	51 / 54	62 / 63	62 / 63
	43	Torque at 1800 rpm LP / Gas	lb _F /ft (kg/m)	82.0 / 101.0	123.0 / 103.0	123.0 / 103.0
	44	No. cylinders / displacement (cu.in.) / liters		4 / 122 / 2.0L	4 / 146.5 / 2.4L	4 / 146.5 / 2.4L
	46	Gear change type		Powershift	Powershift	Powershift
	47	Number of speeds, forward / reverse		1 / 1	1 / 1	1 / 1 2 / 1
	48	Transmission type		Electronically Controlled	Electronically Controlled	Electronically Controlled
55	Relief pressure for attachments	psi (kPA)	2,250 (15.5)	2,250 (15.5)	2,250 (15.5)	

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* 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.

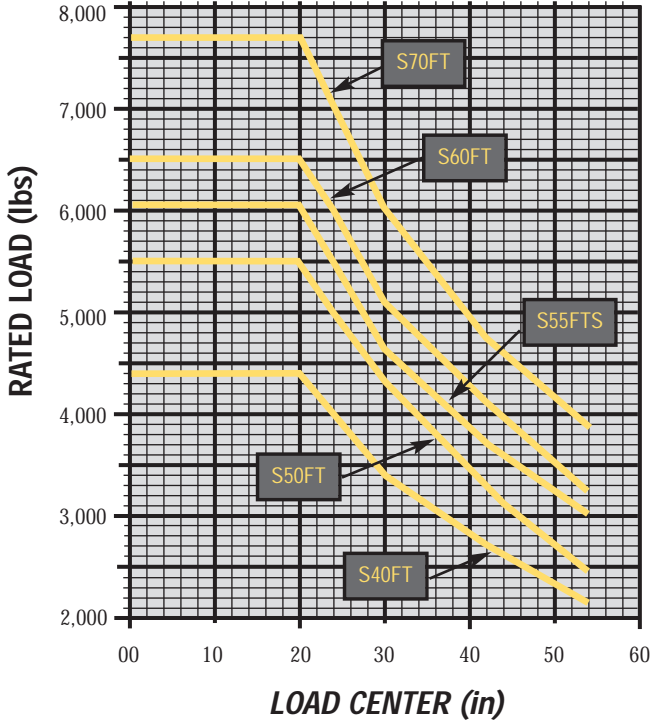
† NOTE: Performance specifications/ratings are for truck equipped as described under Standard Equipment in this Technical Guide. Performance specifications are affected by the condition of the vehicle and how it is equipped, as well as by the nature and condition of the operating area. Specifications are subject to change and you should discuss the proposed application with your authorized Hyster Dealer.

‡ Limited by traction. For further information on this dimension, please contact your local Hyster Company dealer.

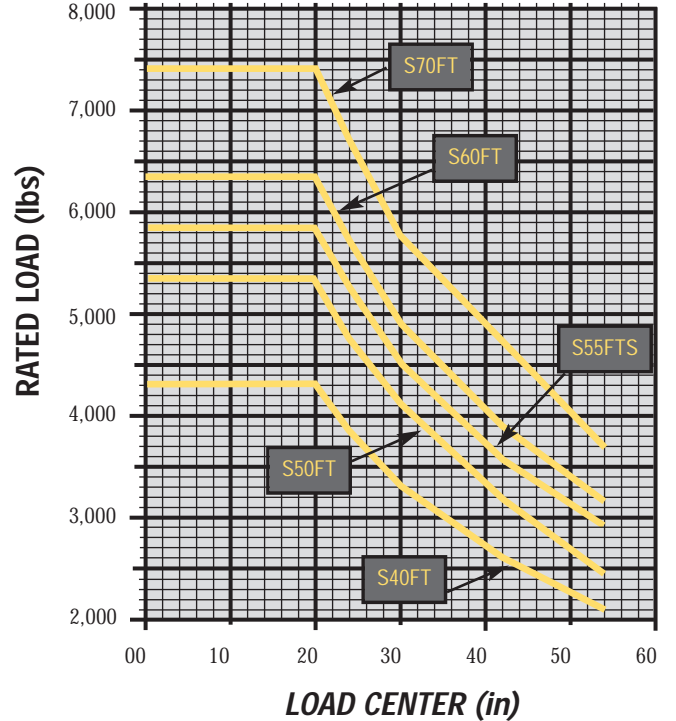
¥ Specifications given are for both LP and Gas where applicable unless otherwise noted.

Hyster S40-70FT Lift Truck Rated Capacities

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

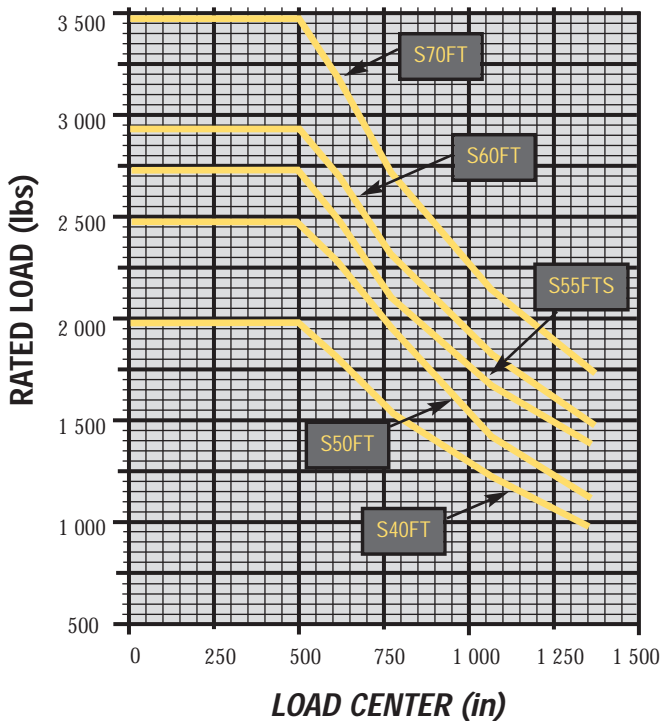


RATED LOAD vs. LOAD CENTER
INTEGRAL SIDESHIFT ATTACHMENT
U. S. CUSTOMARY

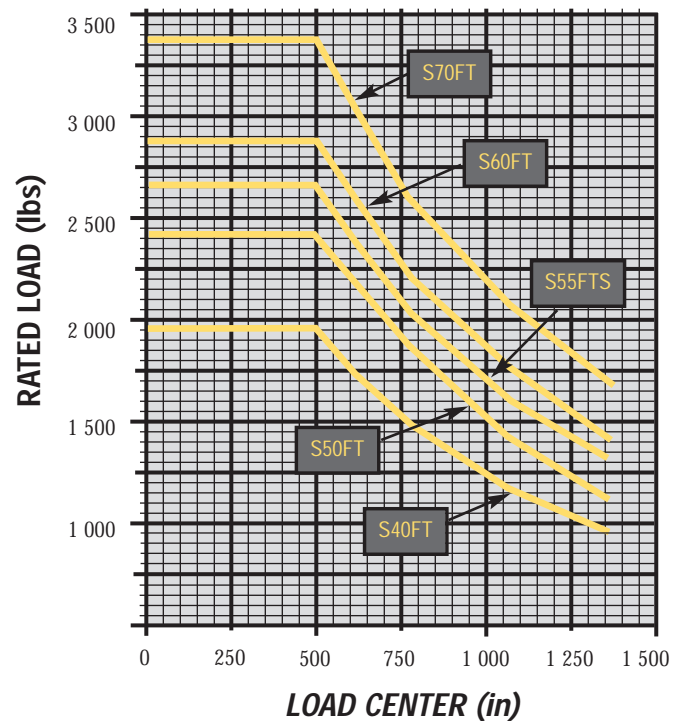


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RATED LOAD vs. LOAD CENTER
STANDARD CARRIAGE
METRIC



RATED LOAD vs. LOAD CENTER
INTEGRAL SIDESHIFT ATTACHMENT
METRIC



Hyster S40-70FT Mast Specifications

S40-55FT, 55FTS MAST DIMENSIONS in. (mm)							
Maximum Fork Height (Top of Forks) †	Overall Lowered Height	Overall Extended Height		Free-Lift (TOF) without Load Backrest Ext.*	Approx. Total Wgt. of Standard Equipped Truck w/o Load		
		with Load Backrest Ext.	without Load Backrest Ext.		S40FT lb. (kg)	S50FT lb. (kg)	S55FTS lb. (kg)
2-STAGE LIMITED FREE-LIFT (LFL) VISTA®							
82 (2 092)	61 (1 535)	131 (3 315)	104 (2 650)	5 (140)	7,621 (3 457)	8,404 (3 812)	9,008 (4 086)
129 (3 292)	85 (2 135)	178 (4 515)	151 (3 840)	5 (140)	7,837 (3 555)	8,621 (3 910)	9,223 (4 184)
2-STAGE FULL FREE-LIFT (FFL) VISTA®							
130 (3 302)	85 (2 135)	179 (4 525)	152 (3 860)	62 (1 575)	7,875 (3 572)	8,658 (3 927)	9,262 (4 201)
3-STAGE FULL FREE-LIFT (FFL) VISTA®							
171 (4 350)	77 (1 935)	220 (5 575)	193 (4 890)	54 (1 395)	8,117 (3 682)	8,900 (4 037)	9,504 (4 311)
189 (4 800)	83 (2 085)	238 (6 025)	210 (5 340)	60 (1 545)	8,192 (3 716)	8,975 (4 071)	9,579 (4 345)
194 (4 950)	85 (2 135)	244 (6 175)	216 (5 490)	62 (1 595)	8,217 (3 727)	9,000 (4 082)	9,603 (4 356)
200 (5 100)	88 (2 235)	249 (6 325)	222 (5 640)	66 (1 695)	8,263 (3 748)	9,046 (4 103)	9,650 (4 377)
218 (5 550)	94 (2 385)	267 (6 775)	240 (6 090)	84 (2 145)	8,345 (3 785)	9,127 (4 140)	9,731 (4 414)
4-STAGE FULL FREE-LIFT (FFL) VISTA® ‡							
240 (6 095)	84 (2 135)	289 (7 321)	262 (6 641)	59 (1 513)	8,759 (3 973)	9,542 (4 328)	10,146 (4 602)
276 (7 013)	96 (2 437)	322 (8 184)	298 (7 556)	71 (1 817)	8,955 (4 062)	9,738 (4 417)	10,342 (4 691)

† Lift heights over 171.5" (4 356 mm) maximum fork height are considered highlifts and require reduced capacity and restricted back tilt.

* On 2-stage FFL and 3-stage FFL VISTA® mast, subtract 26" (665 mm) if Load Backrest Extension (LBE) is used.

‡ Lift trucks equipped with the 4-stage FFL VISTA® mast require Class II carriage and forks.

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S60-70FT MAST DIMENSIONS in. (mm)						
Maximum Fork Height (Top of Forks) †	Overall Lowered Height	Overall Ext. Height		Free-Lift (TOF) without Load Backrest Ext.*	Approximate Total Weight of Standard Equipped Truck w/o Load	
		with Load Backrest Ext.	without Load Backrest Ext.		S60FT lb. (kg)	S70FT lb. (kg)
2-STAGE LIMITED FREE-LIFT (LFL) VISTA®						
126 (3 209)	86 (2 185)	175 (4 435)	152 (3 855)	5 (150)	9,838 (4 462)	10,604 (4 810)
2-STAGE FULL FREE-LIFT (FFL) VISTA®						
122 (3 110)	85 (2 135)	171 (4 335)	148 (3 755)	58 (1 490)	9,857 (4 471)	10,624 (4 819)
130 (3 310)	88 (2 235)	179 (4 535)	156 (3 955)	62 (1 590)	9,892 (4 487)	10,659 (4 835)
3-STAGE FULL FREE-LIFT (FFL) VISTA®						
181 (4 618)	85 (2 135)	231 (5 845)	207 (5 245)	59 (1 505)	10,196 (4 625)	10,964 (4 973)
187 (4 768)	88 (2 235)	236 (5 995)	212 (5 395)	63 (1 595)	10,241 (4 645)	11,008 (4 993)
211 (5 368)	98 (2 485)	260 (6 595)	236 (5 995)	73 (1 855)	10,375 (4 706)	11,142 (5 054)
229 (5 818)	104 (2 635)	278 (7 045)	254 (6 445)	79 (2 005)	10,565 (4 792)	11,332 (5 140)
4-STAGE FULL FREE-LIFT (FFL) VISTA® ‡ (S60FT Only)						
240 (6 095)	84 (2 135)	289 (7 321)	262 (6 641)	59 (1 513)	10,580 (4 799)	N / A
276 (7 013)	96 (2 437)	322 (8 184)	298 (7 556)	71 (1 817)	10,776 (4 888)	N / A

† Lift heights over 164.0" (4 166 mm) maximum fork height are considered highlifts and require reduced capacity and restricted back tilt.

* On 2-stage FFL and 3-stage VISTA® mast, subtract 23" (585 mm) if Load Backrest Extension (LBE) is used.

‡ Lift trucks equipped with the 4-stage FFL VISTA® mast require Class II carriage and forks.

Hyster S40-70FT Standard Features and Options

STANDARD EQUIPMENT

Fortis™ Package

- Complete truck equipped with:
- Mazda 2.0L emissions compliant engine (S40-50FT, S55FTS, S60FT)
 - Mazda 2.2L emissions compliant engine (S70FT)
 - Basic electronic powershift transmission
 - Electronic inching
 - Electronic shift control
 - Neutral start switch
 - Anti-restart protection
 - MONOTROL® pedal
 - 2-stage limited free-lift VISTA® mast with maximum fork height of 129.0" (3 277 mm) (S40-50FT, S55FTS) or 126.0" (3 209 mm) (S60-70FT)
 - 38.5" (978 mm) wide hook-type carriage with load backrest extension
 - 42.0" (1 067 mm) long forks
 - 5 degrees forward and 8 degrees backward mast tilt
 - 3-function valve
 - Integrated dashboard display includes:
 - LCD Display:
 - Fuel level
 - Hour meter
 - Coolant Temp
 - Clock
 - Messages
 - Service Indicator Lights:
 - Alternator
 - Transmission oil temperature
 - Engine oil pressure
 - Brake fluid level
 - Fasten seatbelt
 - Low fuel level
 - Engine malfunction
 - System malfunction
 - Park brake
 - Coolant temp
 - Forward & Reverse Direction
 - Neutral
 - Hydraulic power steering (Hydrostatic)
 - Non-suspension vinyl seat
 - Electronic horn
 - Infinitely adjustable steer column
 - Rubber floor mat
 - High air intake
 - Integral tie downs
 - Operator restraint system with No Cinch ELR seatbelt
 - Serpentine core radiator
 - Single pedal inch brake
 - Hyster stability mechanism
 - Cowl-mounted hydraulic hand levers
 - Swing out LPG tank bracket
 - 84" (2 128 mm) Overhead guard
 - 12 months / 2,000 hours manufacturer's warranty
 - 24 months / 4,000 hours manufacturer's powertrain warranty
 - Operator's manual
 - UL Classification LP

STANDARD EQUIPMENT

Fortis™ Advance

- Complete truck equipped with:
- Mazda 2.2L emissions compliant engine (S40-60FT)
 - GM 2.4L emissions compliant engine (S70FT)
 - DuraMatch™ transmission
 - Electronic inching
 - Electronic shift control
 - Neutral start switch
 - Anti-restart protection
 - Auto deceleration system
 - Controlled power reversal
 - Controlled roll back on ramps
 - MONOTROL® pedal
 - 2-stage limited free-lift VISTA® mast with maximum fork height of 129.0" (3 277 mm) (S40-50FT, S55FTS) or 126.0" (3 209 mm) (S60-70FT)
 - 38.5" (978 mm) wide hook-type carriage with load backrest extension
 - 42.0" (1 067 mm) long forks
 - 5 degrees forward and 8 degrees backward mast tilt
 - 3-function valve
 - Integrated dashboard display includes:
 - LCD Display:
 - Fuel level
 - Hour meter
 - Coolant Temp
 - Clock
 - Messages
 - Service Indicator Lights:
 - Alternator
 - Transmission oil temperature
 - Engine oil pressure
 - Brake fluid level
 - Fasten seatbelt
 - Low fuel level
 - Engine malfunction
 - System malfunction
 - Park brake
 - Coolant temp
 - Forward & Reverse Direction
 - Neutral
 - Hydraulic power steering (Hydrostatic)
 - Non-suspension vinyl seat
 - Electronic horn
 - Infinitely adjustable steer column
 - Rubber floor mat
 - High air intake
 - Integral tie downs
 - Operator restraint system with No Cinch ELR seatbelt
 - Heavy duty anti clog radiator
 - Single pedal inch brake
 - Hyster stability mechanism
 - Cowl-mounted hydraulic hand levers
 - Swing out LPG tank bracket
 - 84" (2 128 mm) Overhead guard
 - 12 months / 2,000 hours manufacturer's warranty
 - 24 months / 4,000 hours manufacturer's powertrain warranty
 - Operator's manual
 - UL Classification LP

STANDARD EQUIPMENT

Fortis™ Advance+

- Complete truck equipped with:
- GM 2.4L LPG and Gas emissions compliant engine
 - DuraMatch™, DuraMatch™ Plus, DuraMatch™ Plus2 transmission
 - Electronic inching
 - Electronic shift control
 - Neutral start switch
 - Anti-restart protection
 - Auto deceleration system
 - Controlled power reversal
 - Controlled roll back on ramps
 - Auto-speed hydraulics (N/A for DuraMatch)
 - Throttle response management (N/A for DuraMatch)
 - Extended drawbar pull capability (DuraMatch Plus2)
 - TouchPoint™ or TouchControl™ hydraulics (required with DuraMatch Plus or DuraMatch Plus 2)
 - MONOTROL® pedal
 - 2-stage limited free-lift VISTA® mast with maximum fork height of 129.0" (3 277 mm) (S40-50FT, S55FTS) or 126.0" (3 209 mm) (S60-70FT)
 - 38.5" (978 mm) wide hook-type carriage with load backrest extension
 - 42.0" (1 067 mm) long forks
 - 5 degrees forward and 8 degrees backward mast tilt
 - 3-function valve
 - Integrated dashboard display includes:
 - LCD Display:
 - Fuel level
 - Hour meter
 - Coolant Temp
 - Clock
 - Messages
 - Service Indicator Lights:
 - Alternator
 - Transmission oil temperature
 - Engine oil pressure
 - Brake fluid level
 - Fasten seatbelt
 - Low fuel level
 - Engine malfunction
 - System malfunction
 - Park brake
 - Coolant temp
 - 1st Gear Locking
 - Forward & Reverse Direction
 - Neutral
 - Hydraulic power steering (Hydrostatic)
 - Full-suspension vinyl or cloth seat
 - Electronic horn
 - Infinitely adjustable steer column
 - Rubber floor mat
 - High air intake
 - Integral tie downs
 - Operator restraint system with No Cinch ELR seatbelt
 - Combi-cooler radiator
 - Single pedal inch brake
 - Hyster stability mechanism
 - Swing out LPG tank bracket
 - 84" (2 128 mm) Overhead guard
 - 12 months / 2,000 hours manufacturer's warranty
 - 24 months / 4,000 hours manufacturer's powertrain warranty
 - Operator's manual
 - UL Classification LP

OPTIONAL EQUIPMENT

- Gasoline powered 2.0 & 2.2L engines
- Powertrain protection system
- Premium electronic monitoring
- High air intake with precleaner
- Accumulator
- Keyless start (with auxiliary key switch)
- Drive lights and rear work lights with halogen bulbs
- Auto-deceleration system (N/A with Fortis Pkg.)
- Extended drawbar pull capability (DuraMatch™ Plus2)
- Controlled power reversal feature (N/A with Fortis Pkg.)
- Controlled roll back on ramps (N/A with Fortis Pkg.)
- Auto-speed hydraulics (DuraMatch Plus)
- Heavy duty radiator with combi cooler (N/A with Fortis Pkg.)

- Throttle response management (DuraMatch Plus, DuraMatch Plus2)
- Paper Applications kit
- Vented hood
- Swing-out, drop-down EZXchange™ LPG tank bracket
- TouchPoint™ hydraulics with fully adjustable armrest
- TouchControl™ hydraulic control handle
- 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
- Dual inch brake pedals
- Password protection
- Alarm - Reverse activated 82-102 dB(A)-Self-adjusting

- Amber strobe light - continuous activated, OHG mounted
- Various light packages
 - Two LED brake/back-up lights
 - Two front and one rear work lights
 - Two front, one rear work light and two LED brake/tail/back-up lights
- Parts publications - printed or CD, serial number specific
- UL Classification GS or LPS
- Operator Preshift Checklist
- Impact Monitor
- Load Weight Display

Hyster S40-70FT Standard Features and Options

CAPACITY:

Model S40FT: 4,000 lbs. at 24" (1 814 kg at 610 mm) load center.
 Model S50FT: 5,000 lbs. at 24" (2 268 kg at 610 mm) load center.
 Model S55FTS: 5,500 lbs. at 24" (2 495 kg at 610 mm) load center.
 Model S60FT: 6,000 lbs. at 24" (2 721 kg at 610 mm) load center.
 Model S70FT: 7,000 lbs. at 24" (3 175 kg at 610 mm) load center.

Rated capacities are for trucks equipped with:

- 3-stage full free-lift VISTA® mast to 171.5" (4 356 mm) maximum fork height for S40-50FT, S55FTS or 164.0" (4 166 mm) for S60-70FT.
- 38.5" (978 mm) hook-type carriage with 42.0" (1 067 mm) long forks as required for S40-50FT, S55FTS or 48.0" (1 219 mm) for S60-70FT.
- Load backrest extension (LBE)

MASTS

Masts are available in 2-stage limited free lift and 2, 3, or 4-stage full free-lift VISTA® masts.

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

CARRIAGE

Carriages are hook-type, ITA Class II mounting (S40-50FT, S55FTS), ITA Class III (S60-70FT). Overall width without load backrest extension (LBE) is 38.5" (978 mm); with LBE is 39.72" (1 009 mm). Minimum inside-to-inside fork spacing is 0.12" (3 mm). Maximum outside-to-outside fork spacing is 38.33" (974 mm).

FORKS

S40-50FT, S55FTS lift trucks feature:

1.6" x 3.9" x 36.0" to 60.0"
 (40 x 100 x 914 to 1 525 mm) long pallet forks.

S60-70FT lift trucks feature:

2.0" x 4.9" x 36.0" to 72.0"
 (50 x 125 x 915 to 1 830 mm) long pallet forks.

Polished and tapered forks are also available.

ENGINES

Three engines are available for the S40-70FT models - the Mazda emissions compliant 2.0L and 2.2L engines and the GM 2.4L emissions compliant engine. The engine configurations are specified as follows: The Fortis package configuration uses the Mazda FE 2.0L engine, the Fortis Advance uses the Mazda F2 2.2L engine (S40-60FT) and the GM 2.4L engine (S70FT only) and the Fortis Advance+ uses the GM 2.4L engine.

Mazda 2.0L and 2.2L emissions compliant engines feature:

- 4-cylinder overhead valve and overhead camshaft design
- Cast iron block, aluminum cylinder head with hardened exhaust valve seats
- Electronically controlled fuel systems
- 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
- 2.0L LP engine produces 44 h.p. @ 2600 rpm
- 2.2L LP engine produces 51 h.p. @ 2600 rpm
- 2.0L Gas engine produces 50 h.p. @ 2600 rpm
- 2.2L Gas engine produces 54 h.p. @ 2600 rpm

GM 2.4L emissions compliant engine features:

- 4-cylinder overhead valve and overhead camshaft design
- Cast iron block, aluminum cylinder head with hardened intake valve and exhaust valve seats, and hydraulic lifters
- Electronically controlled fuel system - Direct port fuel in
- Spin-on full flow oil filter
- Drive-by-wire throttle control
- Electronic governor
- Heavy-duty air cleaner with pre-cleaner
- Engine Control Unit (ECU)
- Three-way catalytic converter exhaust system
- 2.4L engine produces 61.0 horse power @ 2600 rpm

TRANSMISSION

- Standard Electronic Powershift: Single range powershift, electronic inching (requires no adjustment), electric 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 roll back on ramps.
- DuraMatch™ Plus: All of the features of the DuraMatch as well as Auto Speed Hydraulics and Throttle Response Management System.
- DuraMatch™ Plus2: All of the features of the DuraMatch Plus as well as 2-speed functionality for extended drawbar pull capability.

COOLING SYSTEM

- Multiple cooling system designs, depending on engine and transmission configuration:
 - Serpentine core
 - 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 control system simplifies truck wiring and enhances truck dependability.
- IPP 66 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).
- 12-volt maintenance free battery provides 475 cold cranking amps.
- Onboard diagnostics monitoring and feedback.

HYDRAULIC SYSTEM

Manual Hydraulic Control Valve & Electro-Hydraulic Control Valve

- S40-60FT, S55FTS: hydraulic lift system operates at 3,100 psi (21.4 Mpa).
- S70FT: hydraulic lift system operates at 3,400 psi (23.4 Mpa).
- Tilt and auxiliary systems have 2,250 psi (15.5 Mpa) relief pressure in all valve variations.
- Hydraulic system is protected by a replaceable ten micron paper element in-tank filter assembly.
- Hydraulic breather filter includes an anti-splash baffle and is rated at three micron absolute.
- 100 mesh suction line strainer.
- 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.

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 mechanism enhances lateral stability by limiting steer axle articulation without a compromise in uneven surface travel.

BRAKES

- Asbestos free, self-energizing, automatically adjusting drum brake assemblies.
- Dual circuit master cylinder with sealed fluid reservoir and magnetic fluid level sensor.
- Ratchet-type, hand-activated parking brake lever allows controlled application.

OPERATOR COMPARTMENT

- Cowl mounted hydraulic hand levers.
- TouchPoint™ electro-hydraulic seat side mini-levers (optional).
- TouchControl™ hydraulic seat side joystick (optional).
- Twelve inch textured steering wheel with hand spinner knob.
- Automotive style 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 superb visibility at extended heights.
- Infinitely adjustable tilt steer column.
- Optimal 13.8" 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.: S4-70FT/TG
1/2006 Litho in U.S.A.

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