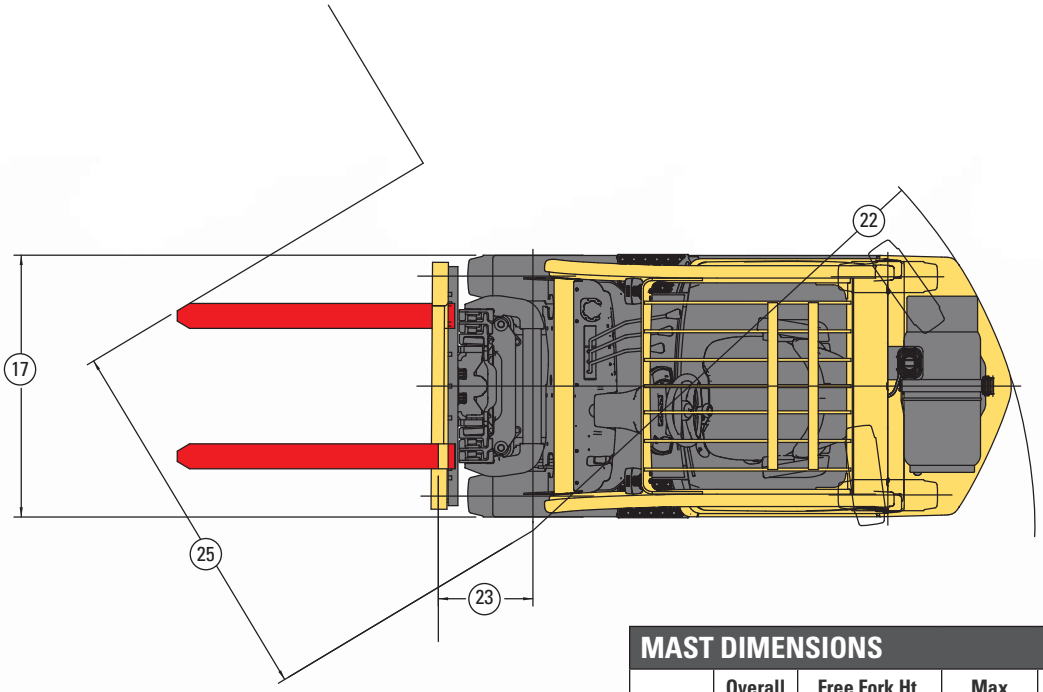
HYSTER

STRONG PARTNERS.
TOUGH TRUCKS.™

CT2 SERIES TECHNICAL GUIDE

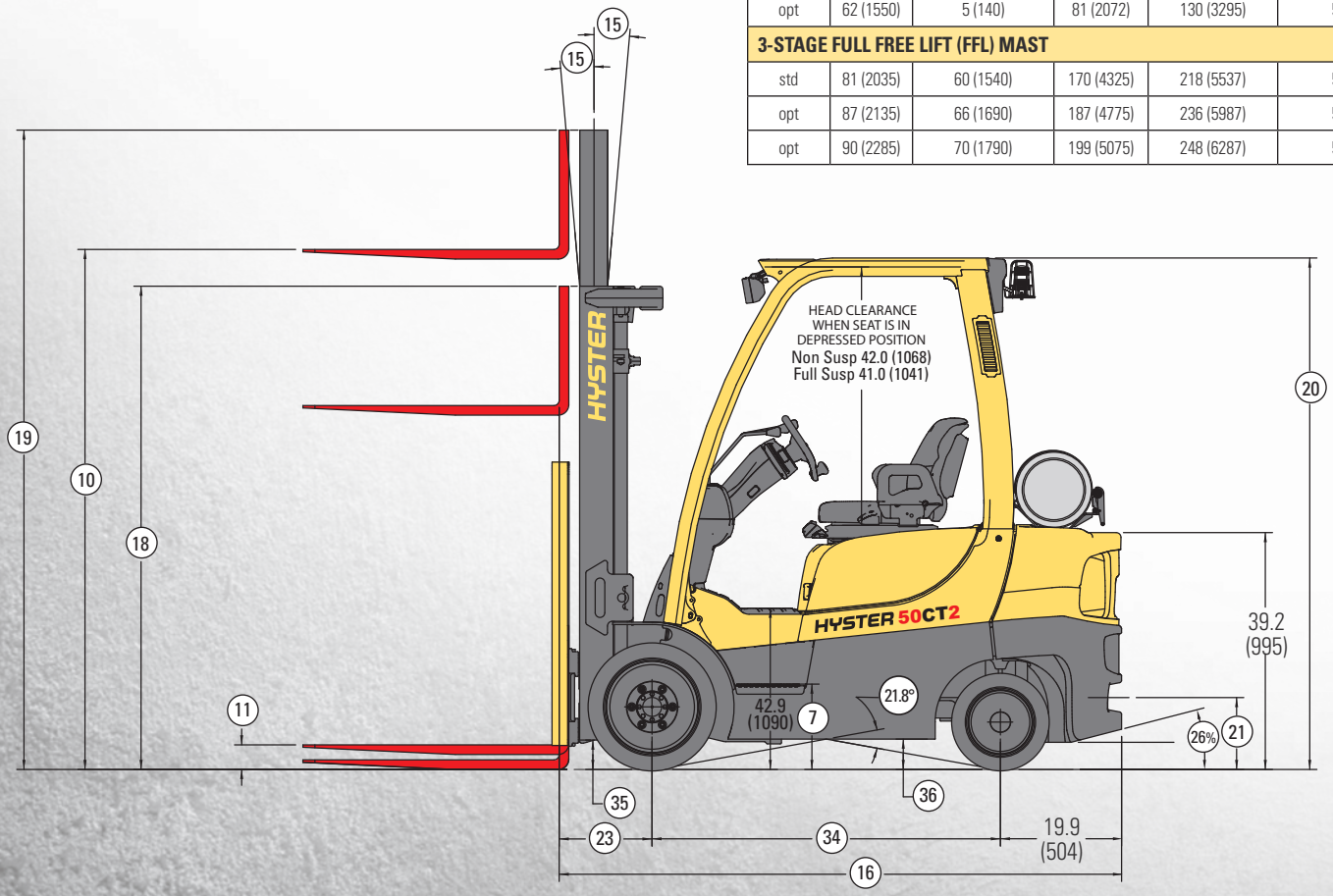
WWW.HYSTER.COM

DIMENSIONS



MAST DIMENSIONS

	Overall Height	Free Fork Ht. without LBR	Max Fork Ht.	Extended Ht. with LBR	Tilt Fwd/Back
	in (mm)	in (mm)	in (mm)	in (mm)	degrees
2-STAGE LIMITED FREE LIFT (LFL) VISTA™ MAST "Trucker's Mast"					
opt	62 (1550)	5 (140)	81 (2072)	130 (3295)	5/5
3-STAGE FULL FREE LIFT (FFL) MAST					
std	81 (2035)	60 (1540)	170 (4325)	218 (5537)	5/5
opt	87 (2135)	66 (1690)	187 (4775)	236 (5987)	5/5
opt	90 (2285)	70 (1790)	199 (5075)	248 (6287)	5/5



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

GENERAL	1	Manufacturer Name		Hyster	Hyster
	2	Model		S40CT2	S50CT2
		Transmission Type		Elec. Controlled Powershift	
		Engine		PSI 2.4L	
		Brake System		Drum Brakes	
	3	Rated Capacity	lb (kg)	4000 (1818)	5000 (2268)
	4	Load Center	in (mm)	24 (610)	
	5	Drive Power Type		LPG	
	6	Operator Type		Seated Rider	
	7	Step Height	in (mm)	13.6 (345)	
	8	Tire Type		Cushion	
DIMENSIONS	9	Number of Wheels, front/rear (X = driven)		2x/2	
	10	Lift Height, Top of Fork (TOF)	in (mm)	170 (4325)	
	11	Free Lift with LBR (TOF)	in (mm)	32 (823)	
		Free Lift without LBR (TOF)	in (mm)	60 (1540)	
	12	Standard Carriage Width	in (mm)	38.5 (977)	
	13	Fork Dimensions, Thickness x Width x Length	in (mm)	1.6x3.9x42 (40x100x1067)	
	14	Fork Spacing - Std Carriage - Max. Outside to Outside Edge	in (mm)	33.5 (852)	
		Fork Spacing -Std Carriage - Min. Inside to Inside Edge	in (mm)	6.2 (158)	
	15	Mast Tilt, forward/back	degrees	5/5	
	16	Overall Length (length to face of forks)	in (mm)	92.2 (2341)	
	17	Overall Width	in (mm)	42.0 (1068)	
	18	Height of Standard Mast, lowered	in (mm)	81 (2035)	
	19	Height of Standard Mast, extended with LBR	in (mm)	218 (5537)	
		Height of Standard Mast, extended without LBR	in (mm)	190 (4820)	
	20	Height to Top of Standard Overhead Guard (high)	in (mm)	85 (2136)	
	21	Towing Coupling Height (pin type)	in (mm)	12.2 (309)	
	22	Outer Turning Radius	in (mm)	81.2 (2062)	
		Inner Turning Radius	in (mm)	3.0 (75)	
	23	Load Distance (load face-ctr of wheel to face of forks - front overhang)	in (mm)	15.3 (388)	
	24	Aisle Width, right angle stack (add length of load)	in (mm)	96.5 (2450)	
	25	Equal Aisle, 90° intersecting aisle (w/ pallet W=42in, L=48in)	in (mm)	76.0 (1930)	
GRADEABILITY	26	Travel Speed (RL/NL)	mph (km/hr)	11.3/11.4 (18.2/18.4)	
	27	Lifting Speed, 2 Stage LFL (RL/NL)	ft/min (m/sec)	124/128 (.63/.65)	
		Lifting Speed, 3 Stage FFL (RL/NL)	ft/min (m/sec)	116/120 (.59/.61)	
	28	Lowering Speed, 3 Stage FFL (RL/NL)	ft/min (m/sec)	96/83 (.49/.42)	
	29	Drawbar Pull @ 1.0 mph or 1.6 km/h (RL/NL)	lbs (kg)	3020/1676 (1370/760)	
	30	Gradeability, maximum (RL, NL)	%	30/22	
		Gradeability @ 1.0 mph or 1.6 km/h (RL/NL)	%	25/22	
WT.	31	Unladen Weight (w/ std equipment: mast, carriage, forks, etc.)	lb (kg)	7616 (3461)	7928 (3596)
	32	Axle Loading Unladen w/ std option configuration (Front/Rear)	lb (kg)	2970/4646 (1350/2111)	3115/4812 (1413/2183)
		Axle Loading Laden w/ std option configuration (Front/Rear)	lb (kg)	10237/1379 (4653/626)	11559/1369 (5243/621)
WHEELS & TIRES	33	Tire Size, front		21x7x15	
		Tire Size, rear		16x5x10.5	
	34	Wheelbase	in (mm)	57.1 (1450)	
	35	Ground Clearance, under mast laden	in (mm)	3.4 (87)	
	36	Ground Clearance, center of wheelbase	in (mm)	4.6 (116)	
	37	Brakes Service - Method of Control/Operation		Hydraulic/Foot	
	38	Brakes Park - Method of Control/Operation		Mechanical/Hand	
POWERTRAIN	39	Battery Type		Maintenance Free	
	40	Battery Volts/Cold Cranking Amps		12V/475	
	41	Engine Manufacturer		PSI 2.4L	
	42	Engine Output, in accordance with ISO1585	hp (kw)	44 (33) @ 2600 RPM	
	43	Torque	ft-lb (N-m)	118 (160) @ 1200 RPM	
	44	Number of Cylinders/Displacement	No./cc (ci)	4/2351 (143)	
	45	Gear Change Type		Powershift	
	46	Transmission, number of speeds forward/reverse		1F/1R	
	47	Working Pressure for Attachments	psi (bar)	2306 (159)	
	48	Hydraulic Tank - Capacity (drain & refill)	gal (liters)	7.9 (29.9)	

Above specifications, unless otherwise listed, are for a standard truck without optional equipment. Right Angle Stack and Equal Intersecting Aisle dimensions provided with a 48" long and 40" wide pallet load, allowing zero clearance.

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. 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.

AT-A-GLANCE FEATURES

STANDARD EQUIPMENT

PSI 2.4L LPG engine
38.5" Class 2 fork carriage
42" standard taper pallet forks
Load backrest extension - 48" high
5° forward / 5° back tilt
3 cowl mounted mechanical hydraulic control levers
3 function (1 aux.) hydraulic control valve
Single pedal inch brake
LPG tank bracket
Anti-clog radiator
U.L. Classification LP
Overhead guard 85" (2149 mm)
12" steering wheel with wheel spinner knob
Key switch start with anti-restart
Forward / reverse direction lever
Non-suspension vinyl seat
Counterweight exhaust
Low fuel indicator
Hyster Stability System (HSS®)
Integrated dashboard display
Adjustable steering column
Power steering
Floor mat
Operator restraint system
Operator Presence System (OPS)
Non-cinch seat belts
Integral tie downs
Operating manual
12 months / 2,000 hours manufacturer's warranty
36 months / 6,000 hours manufacturer's powertrain warranty

OPTIONAL EQUIPMENT

38.5" wide integral sideshifter
48" long forks
Pneumatic-shaped solid non-marking drive and steer tires
Non-marking solid drive and steer tires
Audible reverse activated self-adjusting alarm 82-102 dB(A)
Full suspension vinyl seat
Visible amber strobe light - continuous activated, overhead guard mounting
Halogen or LED front and rear work lights with or without LED brake/tail/backup lights
Dual side view mirrors
2.5 lb. fire extinguisher
Rear drive handle with horn button
Additional height triplex masts
81" maximum fork height trucker's mast
4 cowl mounted mechanical hydraulic control levers
4 function (2 aux.) hydraulic control valve
3 function (1 aux.) hose group
4 function (2 aux.) hose group
Attachment extension tubes with or without quick disconnects
Traction speed limiter
Clamping interlock button

Hyster Company
P.O. Box 7006
Greenville, North Carolina
27835-7006
Part No. S40-50CT2/TG
6/2018 Litho in U.S.A.

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

Hyster, , and STRONG PARTNERS. TOUGH TRUCKS. are registered trademarks in the United States and certain other jurisdictions. Hyster products are subject to change without notice.

Trucks may be shown with optional equipment. © 2018 Hyster Company. All rights reserved.