

S50CT/H50CT SERIES

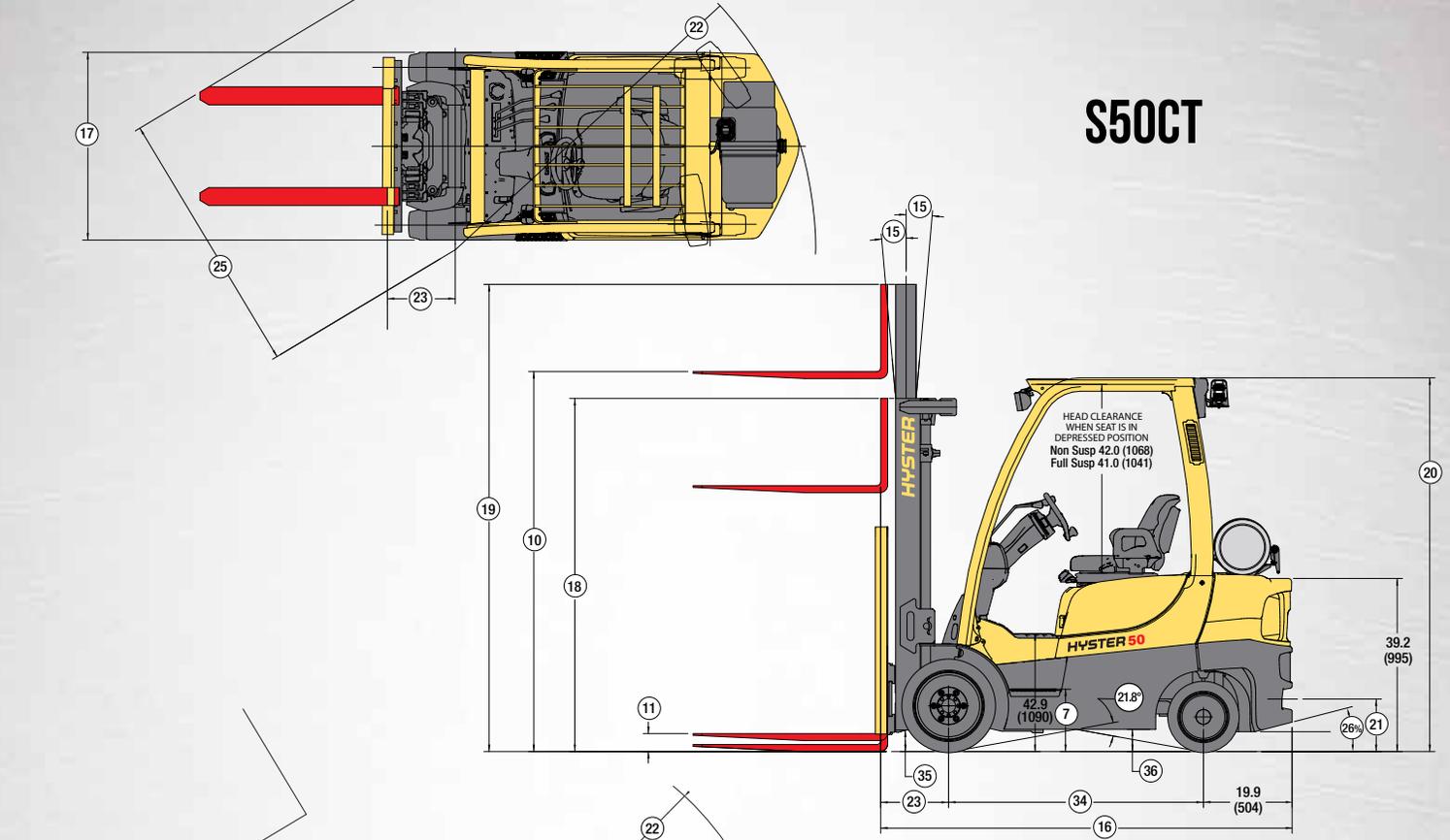


**STRONG PARTNERS.
TOUGH TRUCKS.™**

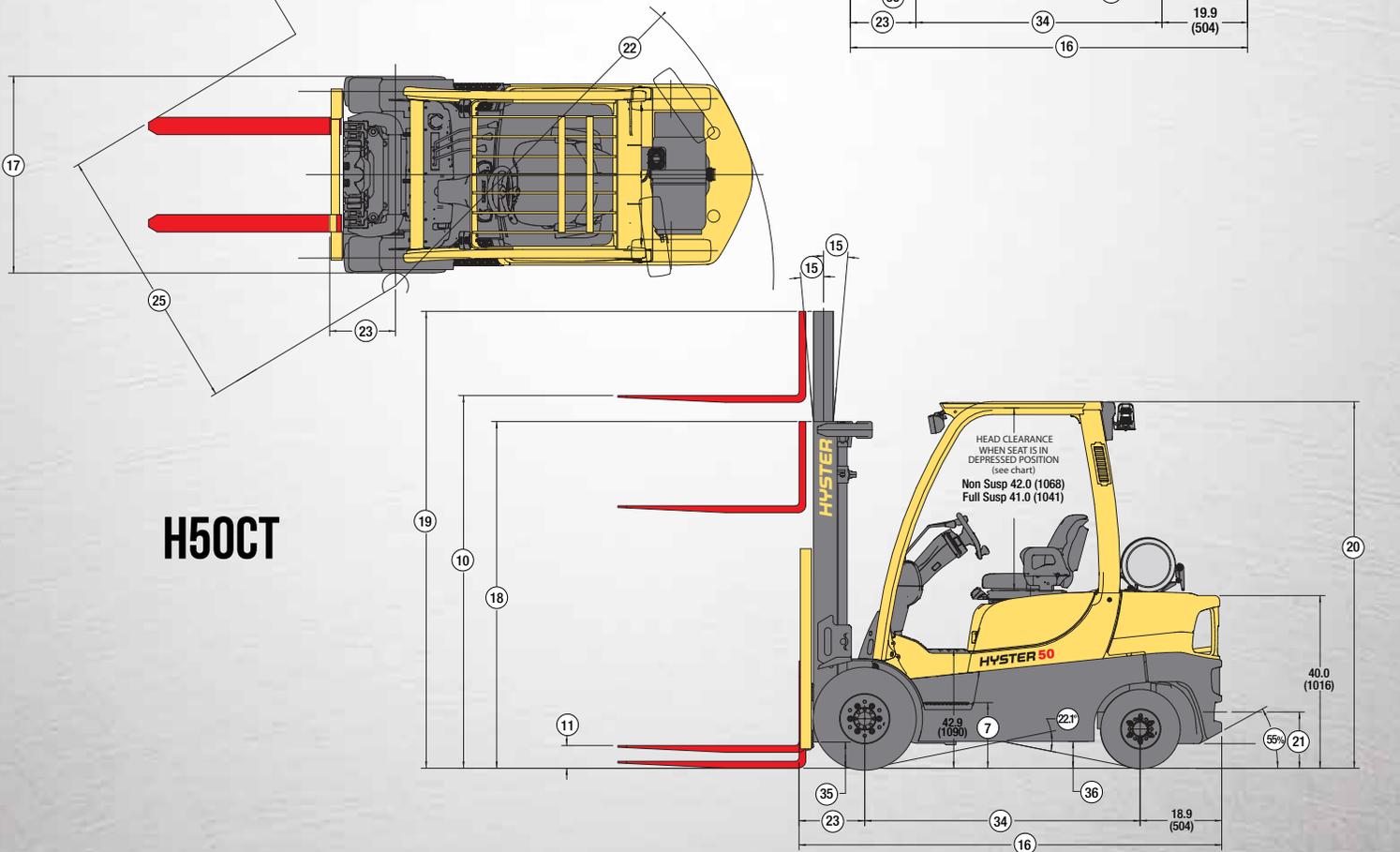
TECHNICAL GUIDE
CUSHION & PNEUMATIC TIRE TRUCKS

S50CT/H50CT DIMENSIONS

S50CT



H50CT



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.

S50CT/H50CT SPECIFICATIONS

		Hyster	Hyster	
GENERAL	1 Manufacturer Name	Hyster	Hyster	
	2 Model	S50CT	H50CT	
	Transmission Type	Elec. Controlled Powershift	Elec. Controlled Powershift	
	Engine	PSI 2.4L	PSI 2.4L	
	Brake System	Drum Brakes	Drum Brakes	
	3 Rated Capacity	lb (kg)	5000 (2268)	5000 (2268)
	4 Load Center	in (mm)	24 (610)	24 (610)
	5 Drive Power Type	LPG	LPG Dual Fuel	
DIMENSIONS	6 Operator Type	Seated Rider	Seated Rider	
	7 Step Height	in (mm)	13.6 (345)	14.0 (356)
	8 Tire Type - Pneumatic, Cushion	Cushion	Pneumatic	
	9 Number of Wheels, front/rear (X = driven)		2x/2	2x/2
	10 Lift Height, Top of Fork (TOF)	in (mm)	170 (4325)	170 (4325)
	11 Free Lift with LBR (TOF)	in (mm)	32 (823)	32 (837)
	Free Lift without LBR (TOF)	in (mm)	60 (1540)	61 (1554)
	12 Standard Carriage Width	in (mm)	38.5 (977)	42 (1067)
	13 Fork Dimensions, Thickness x Width x Length	in (mm)	1.6x3.9x42 (40x100x1067)	1.6x3.9x42 (40x100x1067)
	14 Fork Spacing - Std Carriage - Max. Outside to Outside Edge	in (mm)	33.5 (852)	33.5 (852)
	Fork Spacing -Std Carriage - Min. Inside to Inside Edge	in (mm)	6.2 (158)	6.2 (158)
	15 Mast Tilt, forward/back	degrees	5/5	5/5
	16 Overall Length (length to face of forks)	in (mm)	92.2 (2341)	98.1 (2491)
	17 Overall Width	in (mm)	42.0 (1068)	45.7 (1160)
	18 Height of Standard Mast, lowered	in (mm)	81 (2035)	81 (2049)
	19 Height of Standard Mast, extended with LBR	in (mm)	218 (5537)	218 (5537)
	Height of Standard Mast, extended without LBR	in (mm)	190 (4820)	190 (4820)
	20 Height to Top of Standard Overhead Guard (high)	in (mm)	85 (2136)	85 (2149)
	21 Towing Coupling Height (pin type)	in (mm)	12.2 (309)	13.0 (330)
	22 Outer Turning Radius	in (mm)	81.2 (2062)	88.0 (2236)
	Inner Turning Radius	in (mm)	3.0 (75)	4.1 (103)
	23 Load Distance (load face-ctr of wheel to face of forks - front overhang)	in (mm)	15.3 (388)	15.3 (388)
	24 Aisle Width, right angle stack (add length of load)	in (mm)	96.5 (2450)	103.3 (2624)
	25 Equal Aisle, 90° intersecting aisle (w/ pallet W=42in, L=48in)	in (mm)	76.0 (1930)	79.9 (2030)
	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)	124/128 (.63/.65)
Lifting Speed, 3 Stage FFL (RL/NL)		ft/min (m/sec)	116/120 (.59/.61)	116/120 (.59/.61)
28 Lowering Speed, 3 Stage FFL (RL/NL)		ft/min (m/sec)	96/83 (.49/.42)	96/83 (.49/.42)
29 Drawbar Pull @ 1.0 mph or 1.6 km/h (RL/NL)		lbs (kg)	3020/1676 (1370/760)	3243/2068 (1471/938)
30 Gradeability, maximum (RL, NL)		%	30/22	31/28
Gradeability @ 1.0 mph or 1.6 km/h (RL/NL)		%	25/22	27/28
WT.	31 Unladen Weight (w/ std equipment: mast, carriage, forks, etc.)	lb (kg)	7928 (3596)	7398 (3356)
	32 Axle Loading Unladen w/ std option configuration (Front/Rear)	lb (kg)	3115/4812 (1413/2183)	3186/4212 (1445/1911)
	Axle Loading Laden w/ std option configuration (Front/Rear)	lb (kg)	11559/1369 (5243/621)	11262/1136 (5108/515)
WHEELS & TIRES	33 Tire Size, front		21x7x15	6.5x10-10
	Tire Size, rear		16x5x10.5	5x8
	34 Wheelbase	in (mm)	57.1 (1450)	63.9 (1623)
	35 Ground Clearance, under mast laden	in (mm)	3.4 (87)	3.9 (98)
	36 Ground Clearance, center of wheelbase	in (mm)	4.6 (116)	5.0 (127)
	37 Brakes Service - Method of Control/Operation		Hydraulic/Foot	Hydraulic/Foot
	38 Brakes Park - Method of Control/Operation		Mechanical/Hand	Mechanical/Hand
POWERTRAIN	39 Battery Type		Maintenance Free	Maintenance Free
	40 Battery Volts/Cold Cranking Amps		12V/475	12V/475
	41 Engine Manufacturer		PSI 2.4L	PSI 2.4L
	42 Engine Output, in accordance with ISO1585	hp (kw)	44 (33) @ 2550 RPM	44 (33) @ 2550 RPM
	43 Torque	ft-lb (N-m)	118 (160) @ 1200 RPM	118 (160) @ 1200 RPM
	44 Number of Cylinders/Displacement	No./cc (ci)	4/2351 (143)	4/2351 (143)
	45 Gear Change Type		Powershift	Powershift
	46 Transmission, number of speeds forward/reverse		1F/1R	1F/1R
	47 Working Pressure for Attachments	psi (bar)	2306 (159)	2306 (159)
	48 Hydraulic Tank - Capacity (drain & refill)	gal (liters)	7.9 (29.9)	10.4 (39.4)

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.

S50CT/H50CT MAST SPECIFICATIONS

S50CT MAST DIMENSIONS

	Overall Height		Free Fork Height without LBR		Max Fork Height		Extended Height with LBR		Tilt
	in	mm	in	mm	in	mm	in	mm	Fwd/Back
2-STAGE LIMITED FREE LIFT (LFL) 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

H50CT MAST DIMENSIONS

	Overall Height		Free Fork Height without LBR		Max Fork Height		Extended Height with LBR		Tilt
	in	mm	in	mm	in	mm	in	mm	Fwd/Back
3-STAGE FULL FREE LIFT (FFL) MAST									
std	81	2049	61	1554	170	4325	218	5537	5/5
opt	87	2199	67	1704	187	4775	236	5987	5/5
opt	91	2299	71	1084	199	5075	248	6287	5/5



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