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TOUGH TRUCKS.™**



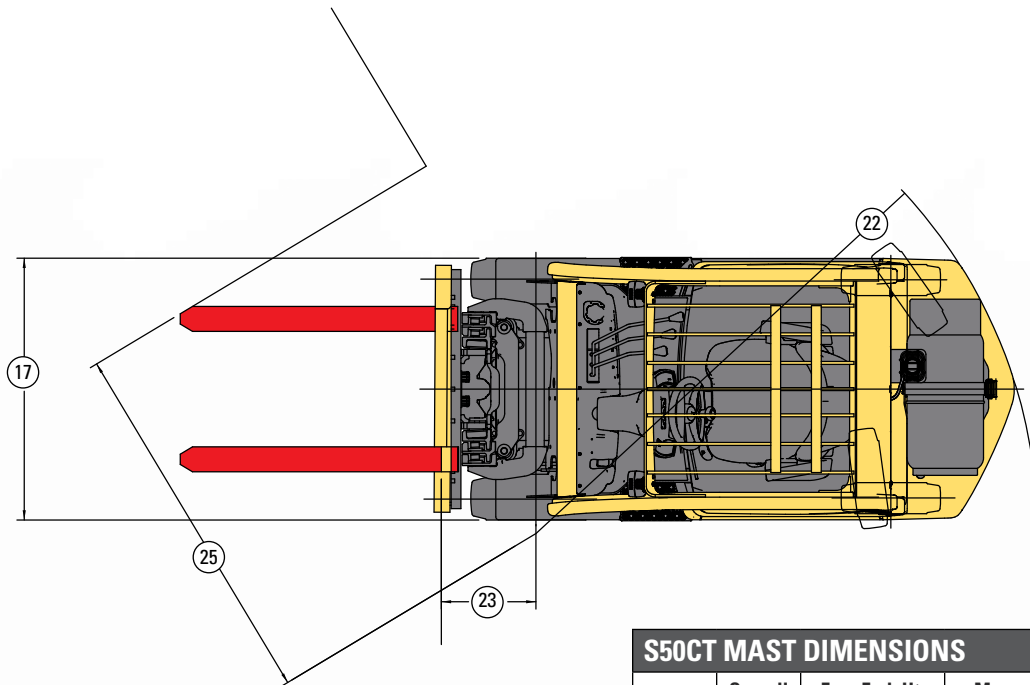
S50CT SERIES TECHNICAL GUIDE

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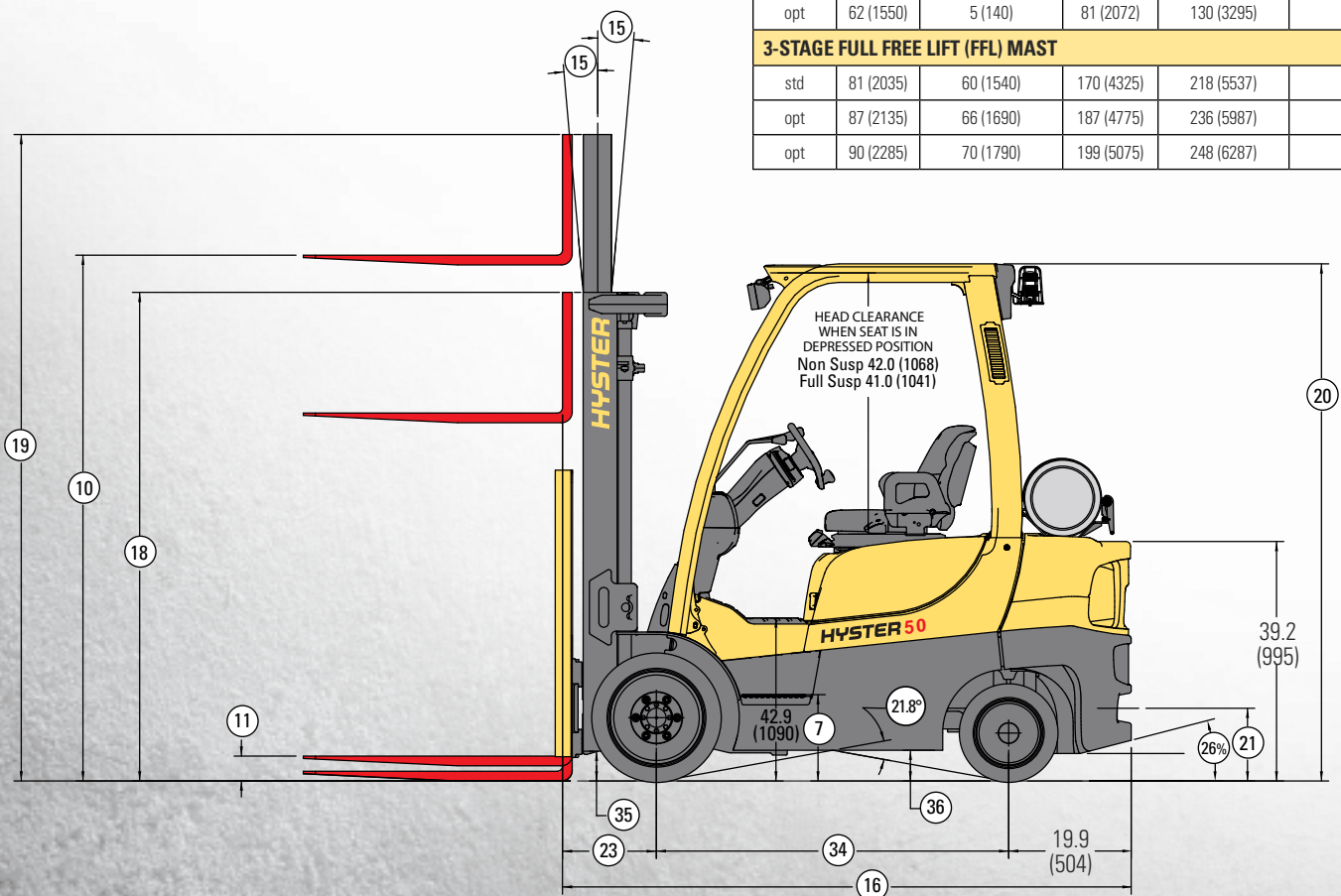
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S50CT DIMENSIONS



| S50CT 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) 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 |
| | 2 | Model | | S50CT |
| | | Transmission Type | | Elec. Controlled Powershift |
| | | Engine | | PSI 2.4L |
| | | Brake System | | Drum Brakes |
| | 3 | Rated Capacity | lb (kg) | 5000 (2268) |
| | 4 | Load Center | in (mm) | 24 (610) |
| | 5 | Drive Power Type | | LPG |
| DIMENSIONS | 6 | Operator Type | | Seated Rider |
| | 7 | Step Height | in (mm) | 13.6 (345) |
| | 8 | Tire Type - Pneumatic, Cushion | | Cushion |
| | 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) | 7928 (3596) |
| | 32 | Axle Loading Unladen w/ std option configuration (Front/Rear) | lb (kg) | 3115/4812 (1413/2183) |
| | | Axle Loading Laden w/ std option configuration (Front/Rear) | lb (kg) | 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 |
| | 39 | Battery Type | | Maintenance Free |
| POWERTRAIN | 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" (2149mm)
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
24 months / 4,000 hours manufacturer's powertrain warranty

OPTIONAL EQUIPMENT


38.5" wide integral sidershifter
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 for non-clamping attachments
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



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