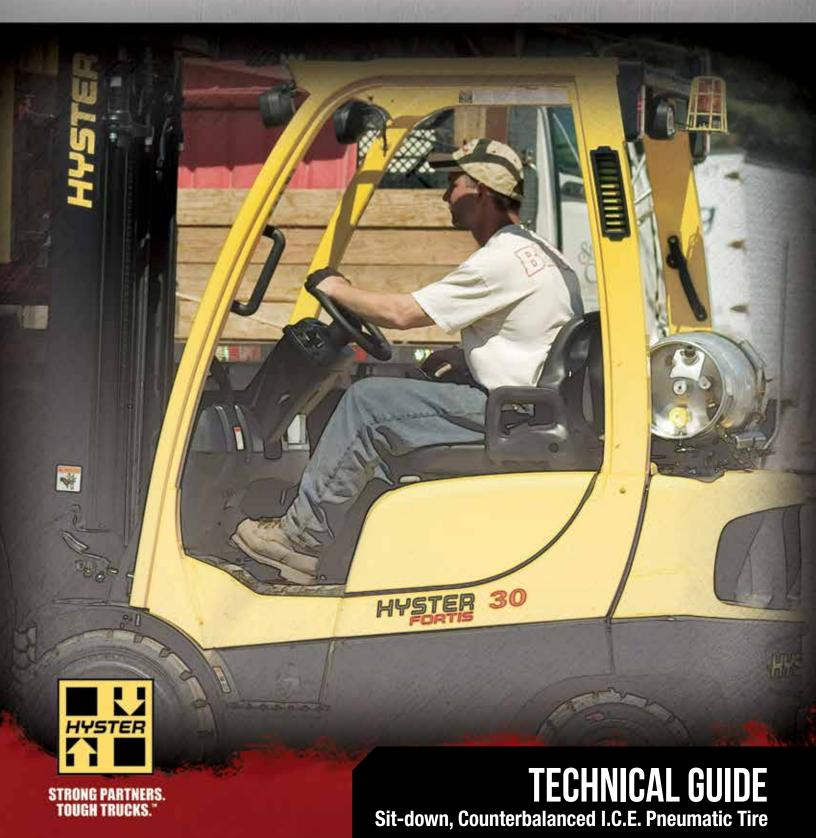
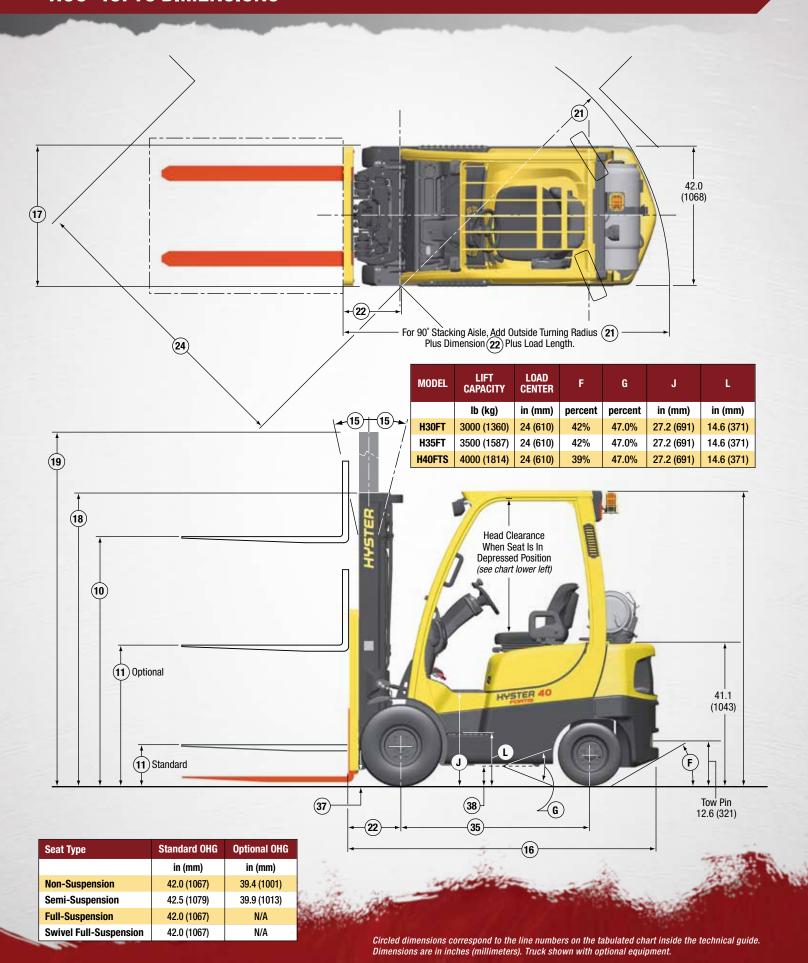
HSO=40FTS量



H30-40FTS DIMENSIONS



H30-40FTS SPECIFICATIONS

	Manufacturar Nama	 		Luctor Company			
2	Manufacturer Name Model		H30FT	Hyster Company H35FT	H40FTS		
2			ПЗИГІ	PSI 2.0L	П40Г15		
	Engine	المراريطا	2000 (1200)		4000 (4.04.4)		
₹ 3	Rated Capacity	lb (kg)	3000 (1360)	3500 (1587)	4000 (1814)		
GENERAL 9 4 5	Load Center, Distance	in (mm)		24.0 (610)			
SEN 5	Power Type			LPG			
6	Operator Type		Sit-Down Rider				
7	Step Height	in (mm)	14.6 (371)				
8	Tire Type - Cushion, Solid, Pneumatic		Pneumatic				
9	Wheels, Number - Front/ Rear			2x/2			
10	Lift Height, Top of Fork (TOF)	in (mm)		127 (3232)			
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)	35 (902)				
12	· · · · · · · · · · · · · · · · · · ·	in (mm)	38.5 (978)				
13	•	in	1.6 X 3.9 X 42.0				
	Forks, Thickness x Width x Length	(mm)	(40 X 100 X 1067)				
14	Fork Spread, Outside Dimensions	in (mm)	37.5 (955)				
15	Mast Tilt Angles, Forward/Backward	degrees		6F/6B			
≌ 16	Length To Face of Forks	in (mm)	88.1 (2239)	89.4 (89.4 (2271)		
DIMENSIONS 17 18	Overall Width, Standard Tread	in (mm)		42.0 (1068)			
	Overall Width, Wide Tread	in (mm)	48.7 (1238)				
<u>18</u>	Height, Standard Mast - Lowered	in (mm)		84 (2125)			
19	Height, Standard Mast - Extended with LBR	in (mm)		176 (4455)			
	Height, Standard Mast - Extended without LBR	in (mm)		150 (3806)			
20	Height, Standard Overhead Guard	in (mm)		84.6 (2149)			
	Height, Optional Overhead Guard	in (mm)	81.9 (2081)				
21	Turning Radius, Minimum Outside (OTR)	in (mm)	77.0 (1955)	78.1 ((1985)		
22	Length, Center of Wheel to Face of Forks	in (mm)	15.1 (384)				
23	Aisle Width, Right Angle Stack (Add Length of Load)	in (mm)	92.1 (2339) 93.3 (2369)				
24		in (mm)	73.9 (1830) 74.4 (1855)				
25	Travel Speed RL/NL	mph (km/h)	13.1/13.4 (21.1/21.5)				
26		ft/min (m/s)		114/118 (.58/.60)			
	Lift Speed, Optional 2-Stage FFL RL/NL	ft/min (m/s)		102/106 (.52/.54)			
PERFORMANCE	Lift Speed, Optional 3-Stage FFL RL/NL	ft/min (m/s)		106/110 (.54/.56)			
<u>27</u>	Lowering Speed, Standard 2-Stage LFL RL/NL	ft/min (m/s)	100/92 (.51/.47)				
딦	Lowering Speed, Optional 2-Stage FFL RL/NL	ft/min (m/s)	91/73 (.46/.37)				
뜐	Lowering Speed, Optional 3-Stage FFL RL/NL	ft/min (m/s)	94/81 (.48/.41)				
28		lb (kg)	2568 /1933 (1165/877)	2560/1918 (1161/870)	2546/1870 (1155/848)		
29	Gradeability @ 1 mph RL/NL ††	%	28/30	26/29	24/27		
31		lb (kg)	6367 (2888)	6533 (2963)	6884 (3122)		
	Weight, Standard Truck (2-Stg. LFL) RL	lb (kg)	9367 (4249)	10033 (4551)	10883 (4937)		
\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\		lb (kg)	2876/3492 (1305/1584)	2842/3691 (1289/1674)	2750/4134 (1247/1875)		
JE	Axle Loading, Static Front/Rear RL	lb (kg)	8021/1346 (3638/611)	8846/1187 (4013/538)	9611/1272 (4360/577)		
33		ib (itg)	0021/1040 (0000/011)	6.50 x 10 - 10	3011/12/2 (4000/01/)		
				5.00 x 8.00			
量 35	Wheelbase	in (mm)	5.00 x 8.00 54.5 (1385)				
35 37 37 38 38 39	Ground Clearance, Lowest Point NL (with RL subtract 6mm)	in (mm)					
% 38 Si 38	Ground Clearance, Center of Wheelbase NL	in (mm)		5.3 (135) 5.7 (146)			
¥ 30 39	Service Brake - Method of Control/Operation	111 (111111)	5.7 (146) Foot/Hydraulic				
	Parking Brake - Method of Control/Operation		Hand/Mechanical				
40 41	Battery Type						
_		wlood		Maintenance Free			
<u>42</u>		v/cca		12/475			
W 43	Engine, Manufacturer/Model	har (Mar)		PSI 2.0L			
E 44	Permanent Output	hp (Kw)	44 (33)				
POWERTRAIN 49 46	Torque @ Rated RPM	ft Lbs (kg/m)	100 (13.9) @ 1300 RPM				
음 46	Number of Cylinders/Displacement	No/cc (ci)	4/1997 (122)				
	Standard Speeds, Forward - Reverse	DOL (M.		1-1			
51	Auxiliary Hydraulic Pressure Relief for Attachments	PSI (Mpa)		2300 (15.9)			

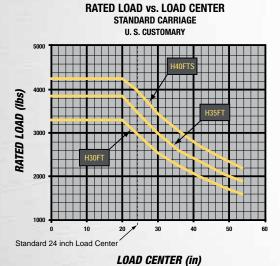
NOTE: Above specifications, unless otherwise listed, are for a standard truck without optional equipment.

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

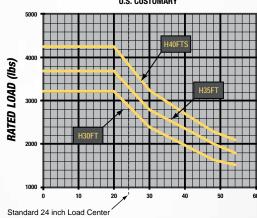
MAST SPECIFICATIONS AND RATED CAPACITIES

H30-35FT,	H40FTS MA	ST DIMEN	SIONS		·			<u> </u>			
Maximum Fork Height	Overall Lowered Height	Overall Extended Height		Free lift (TOF)		Approximate Total Weight of Standard Equipped Truck w/o Load					
(TOF) †		with LBR	w/o LBR	with LBR	w/o LBR	H30FT	H35FT	H40FTS			
in (mm)	in (mm)	in (mm)	in (mm)	in (mm)	in (mm)	lbs (kg)	lbs (kg)	lbs (kg)			
2-STAGE LIMITED FREE LIFT (LFL) VISTA™ MAST											
83 (2132)	62 (1575)	133 (3355)	107 (2706)	5 (140)	5 (140)	6170 (2799)	6335 (2873)	6686 (3033)			
123 (3132)	82 (2075)	172 (4355)	146 (3706)	5 (140)	5 (140)	6350 (2880)	6515 (2955)	6866 (3114)			
127 (3232)	84 (2125)	176 (4455)	150 (3806)	5 (140)	5 (140)	6367 (2888)	6532 (2963)	6868 (3122)			
2-STAGE FULL FREE LIFT (FFL) VISTA™ MAST											
114 (2918)	78 (1975)	164 (4141)	138 (3492)	29 (752)	52 (1346)	6391 (2899)	6556 (2974)	6907 (3133)			
126 (3218)	84 (2125)	176 (4461)	150 (3792)	35 (902)	57 (1456)	6449 (2925)	6614 (3000)	6965 (3159)			
3-STAGE FULL FREE LIFT (FFL) VISTA™ MAST											
175 (4450)	80 (2025)	224 (5673)	198 (5019)	31 (802)	53 (1356)	6649 (3016)	6814 (3091)	7165 (3250)			
187 (4750)	84 (2125)	236 (5973)	210 (5319)	35 (902)	57 (1456)	6694 (3036)	6859 (3111)	7210 (3270)			
198 (5050)	90 (2275)	247 (6273)	222 (5619)	41 (1052)	63 (1606)	6757 (3065)	6922 (3140)	7273 (3299)			
216 (5510)	96 (2425)	265 (6723)	239 (6069)	47 (1202)	69 (1756)	6874 (3118)	7039 (3193)	7390 (3352)			

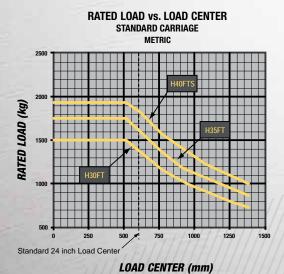
[†] Lift heights over 157.0" (4000 mm) maximum fork height are considered highlifts and require reduced capacity and restricted back tilt. Total approximate weights listed include mast, standard carriage, load backrest and 70 lbs. LPG tank and tank bracket.



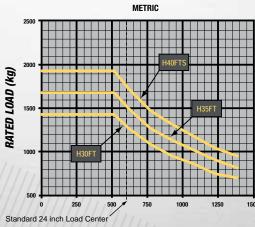
RATED LOAD vs. LOAD CENTER INTEGRAL CARRIAGE **U.S. CUSTOMARY**



LOAD CENTER (in)



RATED LOAD vs. LOAD CENTER INTEGRAL CARRIAGE



LOAD CENTER (mm)

TRUCK CONFIGURATION:

- 3-stage FFL mast (169.2 in MFH for H30FT, 163.4 in MFH for H35FT & 151.6 in MFH for H40FTS)
- 38.5" (978 mm) standard carriage with load backrest (LBR).
- Basic truck equipped with the PSI 2.0L LPG engine with single-speed electronic powershift transmission.
- Standard tires and tread.

STANDARD FEATURES AND OPTIONS

STANDARD EQUIPMENT

Complete truck equipped with:

- PSI 2.0L LPG
- · Electronic powershift transmission
 - Electronic inching
 - Electronic shift control
 - Neutral start switch
- Anti-restart protection
- MONOTROL® pedal
- 2-stage limited free lift (LFL) VISTA[™] mast with maximum fork height of 127" (3232 mm)
- 38.6" (978 mm) wide hook-type carriage with 48" (1219 mm) tall load backrest
- 42" (1067 mm) long forks
- 6 degrees forward and 6 degrees backward mast tilt
- · 3-function valve and hose group
- Integrated dashboard display includes:
 - LCD Display:
 - Hour meter
 - Coolant temp
 - Clock
 - Messages
 - Service/Operational Indicator Lights:
 - Alternator
 - Transmission oil temperature
 - Engine oil pressure
 - Brake fluid level
 - Fasten seat belt
 - Low LP fuel level
 - Engine malfunction
 - System malfunction
 - Park brake
 - Water 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
- Square-wave anti-clog radiator
- Single pedal inch brake
- Hyster Stability System (HSS®)
- · Cowl-mounted hydraulic control levers
- · Swing-out LPG tank bracket
- 85" (2149 mm) overhead guard
- 12 months / 2,000 hours manufacturer's warranty
- 12 months / 4,000 hours manufacturer's powertrain warranty
- Operator's manual
- UL Classification LP

OPTIONAL EQUIPMENT

- DuraMatch™ transmission
 - Auto deceleration system
 - Controlled power reversal feature
 - Controlled rollback on ramps
- Powertrain protection system
- · Premium electronic monitoring
- · High air intake with precleaner
- 2-stage LFL 83" (2132 mm) trucker's style mast
- Keyless start (with auxiliary key switch)
- TouchPoint electro-hydraulic controls
- Rear drive handle with horn button
- 82" (2082 mm) short overhead guard
- Polycarbonate overhead guard rain top
- Full-suspension seat vinyl or cloth
- · Semi-suspension seat vinyl or cloth
- High-visibility non-cinch seat belt with or without interlock
- · Dual inch brake pedals
- EZXchange LPG tank bracket
- Password protection
- · Dual side view mirrors
- Audible alarm reverse activated 82-102 dB(A) self-adjusting
- Visible alarm amber strobe light continuous activated, overhead guard mounted
- · Various light packages
 - Two brake/back-up high intensity LED lights
 - Two front and one rear halogen or LED work lights
 - Two front, one rear halogen or LED work light and two brake/tail/back-up high intensity LED lights
- Parts publications printed or CD, serial number specific
- UL Classification LPS
- Pneumatic shaped solid tires
- · Various tread widths available
- · Operator pre-shift checklist
- · Load weight display
- Impact monitor
- Integral sideshifter with or without fork positioner

STANDARD FEATURES AND OPTIONS

CAPACITY:

Model H30FT: 3000 lbs. at 24" (1360 kg at 610 mm) load center.

Model H35FT: 3500 lbs. at 24" (1587 kg at 610 mm) load center.

Model H40FTS: 4000 lbs. at 24" (2721 kg at 610 mm) load center.

Rated capacities are for trucks equipped with:

- 3-stage full free lift (FFL) VISTA[™] mast to 157" (4000 mm) maximum fork height
- 38.5" (978 mm) hook-type carriage with 42" (1067 mm) long forks
- 48" (1219 mm) tall load backrest (LBR)
- Standard tread width

MASTS

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

CARRIAGE

Hook-type carriages have an overall width of 38.5" (978 mm) without load backrest (LBR), or 39.7" (1010 mm) with LBR. H30-35FT, H40FTS trucks feature ITA Class II Mounting. Minimum insideto-inside fork spacing: 0.12" (3 mm). Maximum outside-to-outside spacing: 37.7" (960 mm).

FORKS

H30-40FTS series features: 1.6" \times 3.9" \times 36" to 60" (40 \times 100 \times 914 to 1525 mm) long pallet forks. Polished and tapered forks are also available.

ENGINES

The PSI 2.0L LPG industrial engine is an emissions compliant powerplant. Configurations are specified as follows:

PSI 2.0L emissions compliant engines feature:

- 4-cylinder single overhead cam design
- Cast iron block aluminum cylinder head
- Electronically controlled LPG fuel system
- Spin-on full flow oil filter
- Electronic governor
- · Heavy duty air cleaner with high air intake
- Engine Control Unit (ECU)
- Three-way catalytic converter exhaust system
- 44 horsepower
- · Coil cover plug ignition design
- · Hydraulic adjusters
- Hyster[®] Variable Power Technology[™] featuring two performance modes
- Twin balance shafts
- Five main bearings

TRANSMISSION

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

COOLING SYSTEM

- · Square-wave anti-clog radiator
- 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

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)
- 12-volt maintenance free battery provides 475 cold cranking amps
- On-board diagnostics monitoring and feedback
- Anti-restart protection

HYDRAULIC SYSTEM

Manual Hydraulic Control Valve & TouchPoint Electro-Hydraulic Control Valve

- Tilt and auxiliary systems have 2300 psi (15.9 Mpa) relief pressure in all valve variations
- Hydraulic system is protected by a replaceable 3-micron paper element in-tank filter assembly
- Hydraulic breather filter includes an anti-splash baffle and is rated at 3-micron absolute
- 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 uneven surface travel

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

OPERATOR COMPARTMENT

- Cowl-mounted hydraulic hand levers
- TouchPoint electro-hydraulic seatside minilevers with full adjustable armrest (optional)
- 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 superb visibility at extended heights
- Infinitely adjustable tilt steer column
- 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.



Hyster Company P.O. Box 7006 Greenville, North Carolina 27835-7006 Part No. H30-40FTS/TG 1/2015 Litho in U.S.A.

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