DSM

CONTRACT
LIFTING
SERVICES

Hyster S4.0FT Forklift Truck

TECHNICAL INFORMATION

Hyster S4.0FT Forklift Truck

The Hyster S4.0FT is a premium LPG powered forklift engineered for exceptional durability, efficiency, and performance in heavy-duty industrial applications. With a rated load capacity of 4,000kg and a load centre of 500mm, this truck is built to handle demanding lifting and transportation tasks with ease. Equipped with the advanced Fortens technology package, it combines cutting-edge engineering with a robust design to maximise productivity and minimise downtime.

Powered by a reliable Kubota 3.8L engine, the S4.0FT delivers consistent power and efficiency while maintaining low emissions. The innovative DuraMatch transmission ensures smooth acceleration and precise control, while the premium wet brakes provide outstanding stopping power and reduced maintenance. This forklift is also designed with safety in mind, offering enhanced stability during elevated load handling and a mast tilt system for precise positioning.

Built to withstand tough environments, the S4.0FT is a reliable choice for warehouses, construction sites, and manufacturing facilities. Its combination of durability, flexibility, and innovative features make it an asset for any business seeking top-tier material handling solutions.

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SPECIFICATIONS

FORTENS ADVANCE S4.0FT

				HYSTER		
DISTINGUISHING MARK	1.1	Manufacturer (abbreviation)				
	1.2	Manufacturer's type designition		S4.0FT		
		Model		Fortens Advance		
		Engine		Kubota 3.8L		
		Transmission		DuraMatch		
				1-speed		
		Brake type		Premium Wet Brakes		
	1.3	Drive: electric (battery or mains), diesel, petrol, LPG		LPG		
	1.4	Operator type: hand, pedestrian, standing, seated, order-picker		Seated		
	1.5	Rated capacity/rated load	Q (t)	4.0		
	1.6	Load centre distance	c (mm)	500		
	1.8	Load distance, centre of drive axle to fork	x (mm)	447		
	1.9	Wheelbase	y (mm)	1570		
WEIGHTS	2.1	Service weight	kg	5795		
	2.2	Axle loading laden, front/rear	kg	8607	1188	
	2.3	Axle loading unladen, front/rear	kg	2194	3601	
TYRES/CHASSIS	3.1	Tyres: L=pneumatic, V=solid, SE=pneumatic-shaped solid		V		
	3.2	Tyre size, front		22x9x16		
	3.3	Tyre size, rear		18x7x12.1		
	3.5	Wheels, number front/rear (x = driven wheels)		2x	2	
	3.6	Tread, front	b_{10} (mm)	941		
	3.7	Tread, rear	b_{11} (mm)	978		
DIMENSIONS	4.1	Tilt of mast/fork carriage forward/backward	α /β (°)	5	6	
	4.2	Height, mast lowered	h_1 (mm)	2130		
	4.3	Free lift ¶	h_2 (mm)	100		
	4.4	Lift ¶	h_3 (mm)	3000		
	4.5	Height, mast extended ●	h_4 (mm)	3780		
	4.7	Height of overhead guard (cabin)	h_6 (mm)	2171		
	4.8	Seat height/stand height ○	h_7 (mm)	1221		
	4.12	Coupling height	h_{10} (mm)	367		
	4.19	Overall length	l_1 (mm)	3630		
	4.20	Length to face of forks	l_2 (mm)	2630		
	4.21	Overall width	b_1 (mm)	1170	1270	
	4.22	Fork dimensions ISO 2331	s/e/l (mm)	50	125	1000
	4.23	Fork carriage ISO 2328, class/type A, B		IIIA		
	4.24	Fork carriage width ■	b_3 (mm)	1070		
	4.31	Ground clearance, laden, below mast	m_1 (mm)	114		
	4.32	Ground clearance, centre of wheelbase	m_2 (mm)	152		
	4.33	Load dimension $b_{12} \times l_6$ crossways	$b_{12} \times l_6$ (mm)	1200 x 1000		
	4.34	Aisle width predetermined load dimensions ◆	A_{st} (mm)	3945		
	4.34.1	Aisle width for pallets 1000 × 1200 crossways ◆	A_{st} (mm)	4145		
	4.34.2	Aisle width for pallets 800 × 1200 crossways ◆	A_{st} (mm)	4145		
	4.35	Turning radius	W_a (mm)	2298		
	4.36	Internal turning radius	b_{13} (mm)	675		
	4.41	90° intersecting aisle (with pallet L = 1000mm x W = 1200mm)	(mm)	2051		
	4.42	Step Height (from ground to running board)	(mm)	392		
	4.43	Step Height (between intermediate steps and floor)	(mm)	322		
PERFORMANCE DATA	5.1	Travel speed, laden/unladen	km/h	18.1	18.3	
	5.1.1	Travel speed, laden/unladen, backwards	km/h	18.1	18.3	
	5.2	Lift speed, laden/unladen	m/s	0.61	0.62	
	5.3	Lowering speed, laden/unladen	m/s	0.55	0.47	
	5.5	Drawbar pull, laden/unladen †	N	31725	12804	
	5.7	Gradeability, laden/unladen ✶	%	36.8	14.1	
	5.9	Acceleration time, laden/unladen ⇆	s	4.3	4.9	
	5.10	Service brake		Hydraulic		
	7.5	Fuel consumption according to VDI cycle	l/h or kg/h	4.0		
	8.1	Type of drive unit		Hydrodynamic		
ADDITIONAL DATA	10.1	Operating pressure for attachments	bar	155		
	10.2	Oil volume for attachments ✧	l/min	83.3		
	10.3	Hydraulic oil tank, capacity	l	76.6		
	10.4	Fuel tank, capacity	l	38.6		
	10.7	Sound pressure level at the driver's seat ● ◇	dB (A)	84		
	10.7.1	Sound power level during the workcycle ◈	dB (A)	102		
	10.7.2	Guaranteed sound power 2000/14/EC	dB (A)	106		
	10.8	Towing coupling, type DIN		Pin		

SPECIFICATIONS

MAST AND CAPACITY INFORMATION

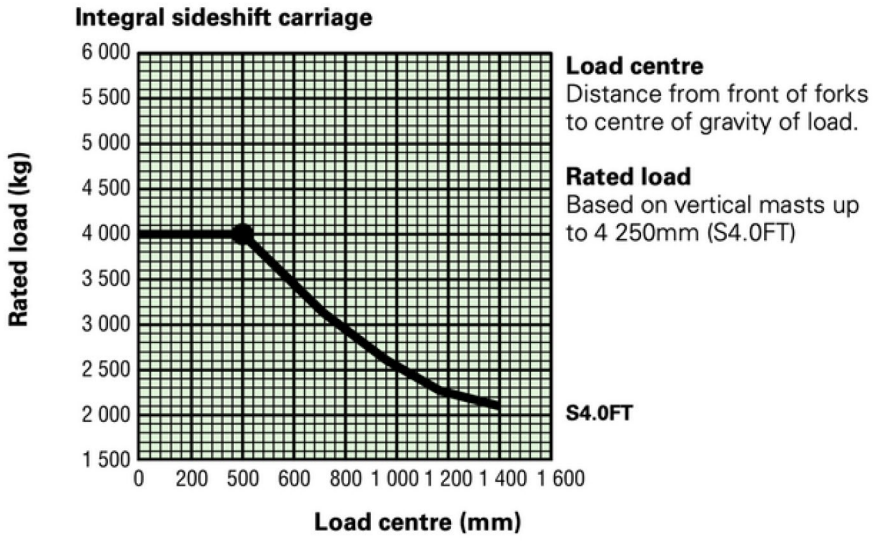
MASTS S4.0FT

	Maximum fork height (mm)			Overall lowered height (mm)	Overall Extended height (mm) ▽	Overall Extended height (mm) ❖	Free lift (top of forks) (mm)
2-Stage Limited Free Lift	3050 3650 4250	5° 5° 5°	6° 6° 6°	2135 2435 2735	3785 ▽ 4385 ▽ 4985 ▽	4285 ❖ 4885 ❖ 5485 ❖	150 150 150
2-Stage Full Free Lift	3075	5°	6°	2153	3860 ▽	4130 ❖	1355
3-Stage Full Free Lift	4415 4950 5550 6000	5° 5° 5° 5°	6° 6° 6° 6°	2135 2335 2535 2735	5200 ▽ 5735 ▽ 6335 ▽ 6785 ▽	5650 ❖ 6185 ❖ 6785 ❖ 7235 ❖	1355 1555 1755 1955

S4.0FT – CAPACITY CHART in kg @ 500 mm load centre

	Cushion Tyres		
	Maximum fork height (mm) ❖	Without sideshift	With sideshift
		S4.0FT	S4.0FT
2-Stage Limited Free Lift	3050 3650 4250	4000 4000 4000	4000 4000 4000
2-Stage Full Free Lift	3075	4000	4000
3-Stage Full Free Lift	4415 4950 5550 6000	4000 ◗ 3890 ◗ 3760 ◗ 3640 ◗	3860 ◗ 3750 ◗ 3600 ◗ 3480 ◗

RATED CAPACITIES



NOTES

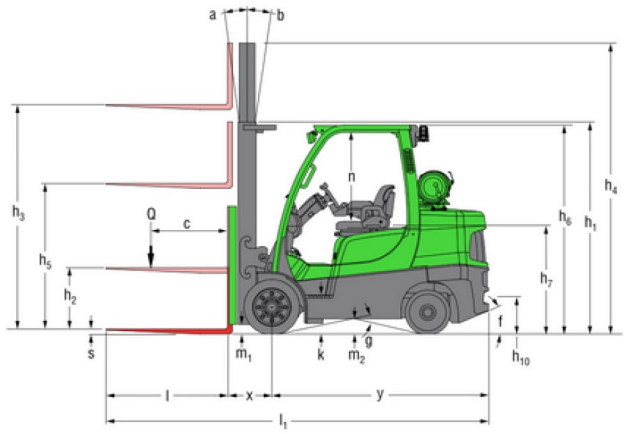
Specification data based on standard carriage, load backrest, and 1000mm forks.

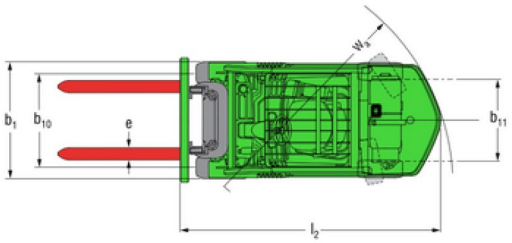
The rated capacities shown are for masts in a vertical position on trucks equipped with standard or sideshift carriage, and nominal length forks. Masts above the maximum fork heights shown in the mast table are classified as high lift, and depending on the tyre/tread configuration may require reduced capacity, restricted back tilt or wide tread.

Values shown are for standard equipment. When using non-standard equipment these values may change.

SPECIFICATIONS

TRUCK DIMENSIONS





= Centre of gravity of unladen truck

$A_{st} = W_a + x + l_6 + a$ (see lines 4.34.1 & 4.34.2)

a = Minimum operating clearance

(VDI standard = 200 mm BITA recommendation = 300 mm)

l_6 = Load length

Dimensions (mm)	S4.0FT	S4.5FT	S5.5FT	S5.5FTS
f	40%	32%	32%	32%
g	22.7°	22°	21°	21°
k	391.5	395.5	395.5	395.5
n	1 062	1 062	1 062	1 062

NOTE:
Specifications are affected by the condition of the vehicle and how it is equipped, as well as the nature and condition of the operating area. Inform your dealer of the nature and condition of the intended operating area when purchasing your Hyster Truck.

¶ Top of forks

■ W/o load backrest, add 32mm with load backrest

O Full suspension seat in depressed position

◗ Standard / Wide

● Add 32 mm with load backrest

◆ Stacking aisle width (lines 4.34 & 4.34.1 & 4.34.2) are based on the V.D.I. standard calculation as shown on illustration. The British Industrial Truck Association recommends the addition of 100 mm to the total clearance (dimension a) for extra operating margin at the rear of the truck.

† at 1.6 km/h

✶ at 4.8km/h. Gradeability figures are provided for comparison of tractive performance, but are not intended to endorse the operation of the vehicle on the stated inclines. Follow instructions in the operating manual regarding operation on inclines.

⇆ to 15m (per VDI 2198 December 2012)

⬟ Battery ampere hour (Ah) nominal capacity ratings are estimated.

✧ Variable

◉ With and without cab.

◇ L_{PAZ}, Measured according to the test cycles and based on the weighting values contained in EN12053

◈ L_{WAZ}, Measured according to the test cycles and based on the weighting values contained in EN12053

MAST TABLES:

▽ Without load backrest

❖ With load backrest

◗ Wide tread required

POWERTRAINS TABLE:

⬟ Battery ampere hour (Ah) nominal capacity ratings are estimated.

NOTICE

Care must be exercised when handling elevated loads. When the carriage and/or load is elevated, truck stability is reduced. It is important that the mast tilt in either direction is kept to a minimum when loads are elevated.

Operators must be trained and must read, understand and follow the instructions contained in the Operating Manual.

All values are nominal values and they are subject to tolerances. For further information, please contact the manufacturer.

Hyster products are subject to change without notice. Lift trucks illustrated may feature optional equipment. Values may vary with alternative configurations.

CE **Safety:**
This truck conforms to the current EU requirements.

IT'S CONTRACT LIFTING, WITH A PROJECT APPROACH

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