

FORTENS™



**STRONG PARTNERS.
TOUGH TRUCKS.™**

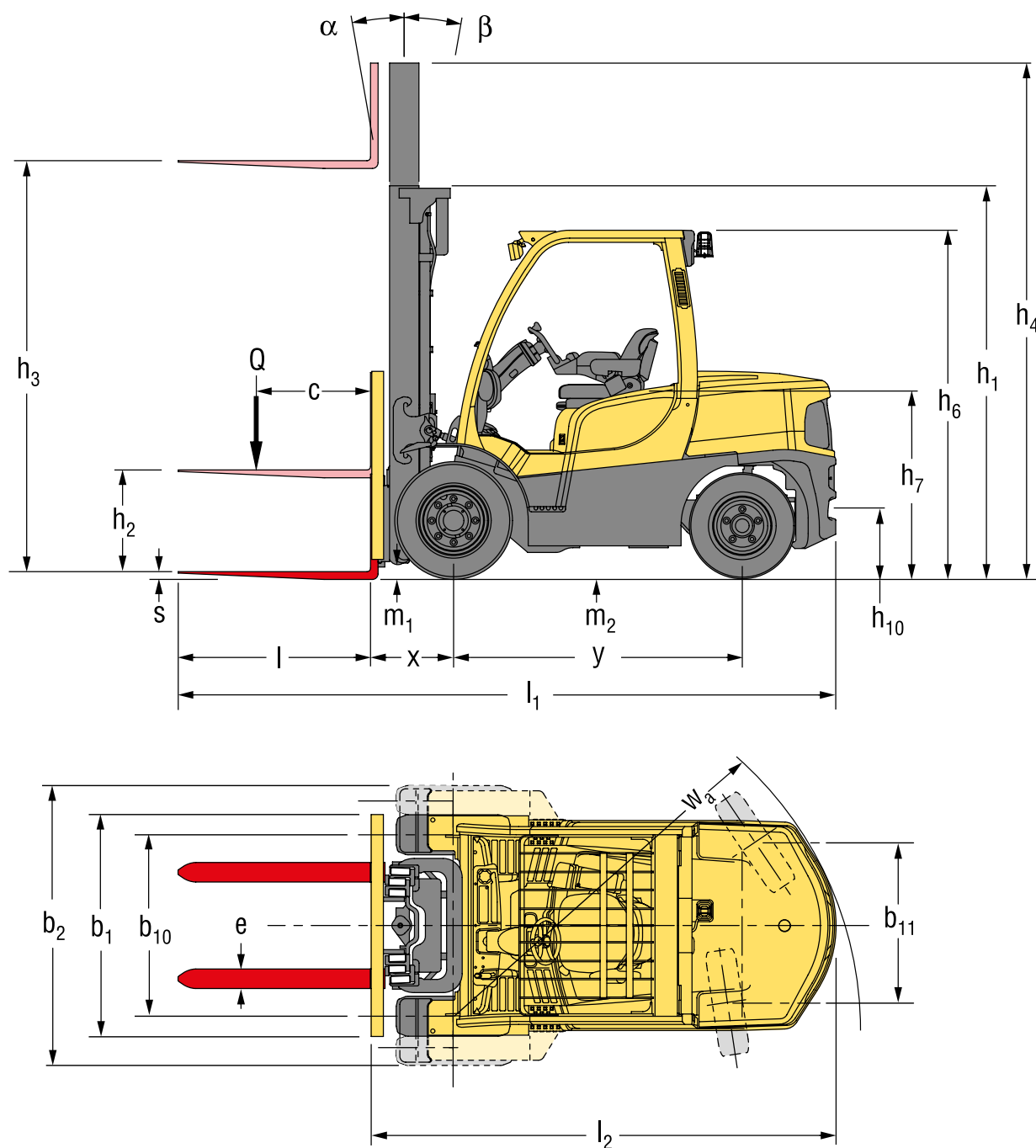


H4.0-5.5FT SERIES TECHNICAL GUIDE



WWW.HYSTER.COM

> TRUCK DIMENSIONS



> MAST AND CAPACITY INFORMATION

H5.0FT RATED CAPACITY KG@ 600-700 MM LOAD CENTRE

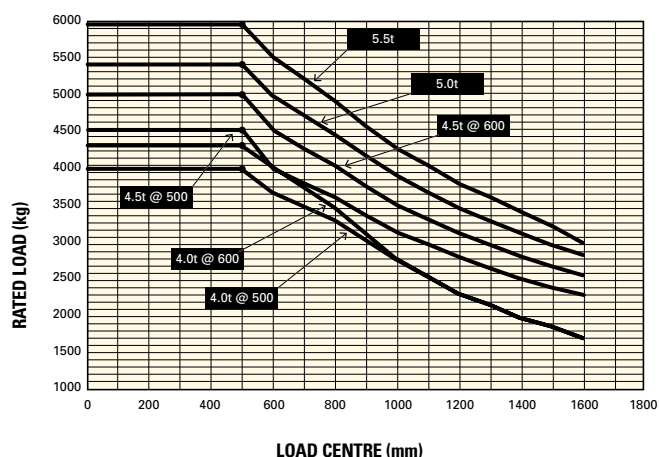
	Maximum fork height h ₃ + s (mm)	Mast tilt (°)		Lowered height h ₁ (mm)	Extended height h ₄ (mm)		Free lift height h ₂ + s (m)	Superelastic tyres				Radial tyres			
								Without sideshift (kg)		With ISS (kg)		Without sideshift (kg)		With ISS (kg)	
								H5.0FT		H5.0FT		H5.0FT		H5.0FT	
		F	B		w/o LB	w LB	w/o LB	600 LC	700 LC	600 LC	700 LC	600 LC	700 LC	600 LC	700 LC
2-STAGE LIMITED FREE LIFT	2800	6°	10°	2215	3730	4065	160	5000	4810	5000	4670	5000	4810	5000	4670
	3400	6°	10°	2515	4330	4665	160	5000	4790	5000	4650	5000	4790	5000	4650
	4000	6°	10°	2815	4930	5265	160	5000	4780	5000	4640	5000	4780	5000	4640
	4700	6°	6°	3265	5630	5965	160	4890	4640	4880	4510	4880	4640	4870	4500
	5300	6°	6°	3665	6230	6565	160	4740	4480	4700	4350	4730*	4470*	4700*	4340*
2-STAGE FULL FREE LIFT	5900	6°	6°	4065	6830	7165	160	4570	4300	4520	4170	4570**	4300**	4510**	4170**
	2825	6°	10°	2215	3810	4090	1230	5000	4770	5000	4640	5000	4770	5000	4640
3-STAGE FULL FREE LIFT	3425	6°	10°	2515	4410	4690	1530	5000	4760	5000	4620	5000	4760	5000	4620
	4145	6°	6°	2215	5130	5415	1230	5000	4740	4990	4610	5000	4740	4990	4610
	5000	6°	6°	2515	5985	6265	1530	4800	4530	4770	4410	4800*	4530*	4760*	4400*
	5300	6°	6°	2615	6285	6565	1630	4730	4450	4690	4330	4730**	4450**	4680**	4330**

H5.5FT RATED CAPACITY KG@ 600-700 MM LOAD CENTRE

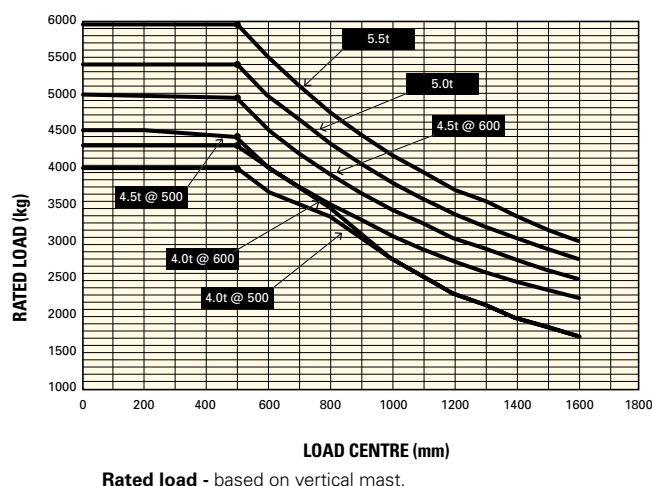
	Maximum fork height h ₃ + s (mm)	Mast tilt (°)		Lowered height h ₁ (mm)	Extended height h ₄ (mm)		Free lift height h ₂ + s (m)	Superelastic tyres				Radial tyres			
								Without sideshift (kg)		With ISS (kg)		Without sideshift (kg)		With ISS (kg)	
								H5.5FT		H5.5FT		H5.5FT		H5.5FT	
		F	B		w/o LB	w LB	w/o LB	600 LC	700 LC	600 LC	700 LC	600 LC	700 LC	600 LC	700 LC
2-STAGE LIMITED FREE LIFT	2800	6°	10°	2215	3730	4065	160	5500	5280	5500	5130	5500	5280	5500	5130
	3400	6°	10°	2515	4330	4665	160	5500	5260	5500	5120	5500	5260	5500	5120
	4000	6°	10°	2815	4930	5265	160	5500	5250	5500	5100	5500	5250	5500	5100
	4700	6°	6°	3265	5630	5965	160	5380	5110	5370	4970	5380*	5110*	5370*	4960*
	5300	6°	6°	3665	6230	6565	160	5230	4940	5190	4800	5220*	4930*	5180*	4790*
2-STAGE FULL FREE LIFT	5900	6°	6°	4065	6830	7165	160	5050	4750	5000	4620	5050**	4750**	4990**	4610**
	2825	6°	10°	2215	3810	4090	1230	5500	5250	5500	5100	5500	5250	5500	5100
3-STAGE FULL FREE LIFT	3425	6°	10°	2515	4410	4690	1530	5500	5230	5500	5080	5500	5230	5500	5080
	4145	6°	6°	2215	5130	5415	1230	5500	5210	5490	5070	5500	5210	5490	5070
	5000	6°	6°	2515	5985	6265	1530	5290	5000	5260	4860	5290*	4990*	5260*	4860*
	5300	6°	6°	2615	6285	6565	1630	5210	4920	5170	4780	5210**	4910**	5170**	4780**

> RATED CAPACITIES

STANDARD CARRIAGE



SIDESHIFT CARRIAGE



GENERAL	1-1	Manufacturer			HYSTER
	1-2	Model designation			H4.0-5.5FT
	1-3	Powertrain / drivetrain			Diesel

ENGINE	7-1	Engine manufacturer / model			Kubota / V3600 IDI-T
	7-2	Engine power output according to ISO 1585		kW	57.0
	7-3	Rated speed		rpm	2400
	7-3-1	Engine torque @rpm (1/min)		N-m	296 @ 1600
	7-4	Number of cylinders / displacement		# / cm ³	4 / 3620
	7-8	Alternator output		Amps	80
	7-10	Battery voltage, rated capacity		V / Ah	12 / 175

DRIVE	8-1	Drive control / transmission		Type / #	Hydrodynamic / Automatic Powershift
	8-11	Service brake		Type	Oil immersed
	8-12	Parking brake		Type	Mechanical

MISC	10-1	Operating pressure for attachments		bar	0 - 155
	10-2	Oil volume for attachments (10)		l/min	83.3
	10-3	Hydraulic oil tank, capacity		l	51.0 (H4.0-H4.5FTS5) / 67.8 (H4.5FT6-H5.5FT)
	10-4	Fuel tank, capacity		l	79.0 (H4.0-H4.5FTS5) / 100.3 (H4.5FT6-H5.5FT)
	10-7	Sound pressure level at the driver's seat (11)	Lpaz	dB(A)	81
	10-7-1	Guaranteed sound power 2001/14/EC	Lwaz	dB	105
	10-8	Towing coupling, type DIN 15170			Yes/Pin

MODEL TABLE NOTES:

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.

- (1) Top of forks
- (2) add 32mm with load backrest
- (3) Full suspension seat in depressed position
- (4) W/o load backrest, add 32mm with load backrest
- (5) "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"
- (6) at 1.6 km/h
- (7) 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.
- (8) to 15m
- (9) Battery ampere hour (Ah) nominal capacity ratings are estimated.
- (10) Variable
- (11) Variable
- (12) Lpaz, measured according to the test cycles and based on the weighting values contained in EN12053
- (13) Lwaz, Measured according to the test cycles and based on the weighting values contained in EN12053

MAST CAPACITY TABLE NOTES:

- (1) With load backrest
 - (2) Without load backrest
- * Wide Tread or Dual Drive Wheels Required
 ** Dual Drive Wheels Required

NOTICE:

Care must be exercised when handling elevated loads. 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.

Fortens models

Specification data based on 3050mm (40/4.0 at 500 - 40/4.0 at 600) / 2800mm (45/4.5 at 500 - 55/5.5) TOF 2 stage LFL mast with standard carriage, 1000mm (40/4.0 at 500) / 1200mm (40/4.0 at 600 - 55/5.5) forks with manual hydraulics.

Fortens Advance models

Specification data based on 3050mm (40/4.0 at 500 - 40/4.0 at 600) / 2800mm (45/4.5 at 500 - 55/5.5) TOF 2 stage LFL mast with standard carriage, 1000mm (40/4.0 at 500) / 1200mm (40/4.0 at 600 - 55/5.5) forks with e-hydraulics.

> H5.0FT FORTENS / FORTENS ADVANCE

GENERAL	1-1	Manufacturer			HYSTER		HYSTER		HYSTER		HYSTER	
	1-2	Model designation			H5.0FT		H5.0FT		H5.0FT		H5.0FT	
		Model			Fortens		Fortens		Fortens Advance		Fortens Advance	
		Engine / transmission			Kubota 3.6L Electronic Powershift 1-speed		Kubota 3.6L Electronic Powershift 2-speed		Kubota 3.6L DuraMatch™ 1-speed		Kubota 3.6L DuraMatch™ 2-speed	
		Brake type			Premium Oil Immersed		Premium Oil Immersed		Premium Oil Immersed		Premium Oil Immersed	
	1-3	Drive			Diesel		Diesel		Diesel		Diesel	
	1-4	Operator type			Seated		Seated		Seated		Seated	
	1-5	Rated capacity/rated load	Q ₁	t	5.0		5.0		5.0		5.0	
	1-6	Load centre distance	c	mm	600		600		600		600	
	1-8	Load distance, centre of drive axle to fork	x	mm	591		591		591		591	
	1-8-1	Load distance, centre of drive axle to fork (ISS Carriage)	x	mm	608		608		608		608	
	1-9	Wheelbase	y	mm	2100		2100		2100		2100	
WEIGHT	2-1	Service weight		kg	7520		7520		7520		7520	
	2-2-1	Axle loading with load, front / rear		kg	11014	1478	11014	1478	11014	1478	11014	1478
	2-3-1	Axle loading without load, front / rear		kg	3206	4314	3206	4314	3206	4314	3206	4314
WHEELS	3-1	Tyre type			Superelastic		Superelastic		Superelastic		Superelastic	
	3-2	Tyre size, front			300x15		300x15		300x15		300x15	
	3-3	Tyre size, front			28x9-15		28x9-15		28x9-15		28x9-15	
	3-5	Wheels, number front / rear (x = driven wheels)			2x / 2		2x / 2		2x / 2		2x / 2	
	3-6	Tread, front	b ₁₀	mm	1150		1150		1150		1150	
	3-7	Tread, rear	b ₁₁	mm	1162		1162		1162		1162	
	3-1	Tyre type			Superelastic		Superelastic		Superelastic		Superelastic	
DIMENSIONS	4-1	Tilt of mast / fork carriage forward / backward		(°)	6 / 10		6 / 10		6 / 10		6 / 10	
	4-2	Height, mast lowered	h ₁	mm	2215		2215		2215		2215	
	4-3	Free lift (1)	h ₂	mm	100		100		100		100	
	4-4	Lift (1)	h ₃	mm	2740		2740		2740		2740	
	4-5	Height, mast extended (2)	h ₄	mm	3730		3730		3730		3730	
	4-7	Height of overhead guard (cabin)	h ₆	mm	2300		2300		2300		2300	
	4-8	Seat height relating to SIP (3)	h ₇	mm	1321		1321		1321		1321	
	4-12	Coupling height	h ₁₀	mm	429		429		429		429	
	4-19	Overall length	l ₁	mm	4500		4500		4500		4500	
	4-20	Length to face of forks (Standard Carriage)	l ₂	mm	3300		3300		3300		3300	
	4-20-1	Length to face of forks (Integrated Side Shift Carriage)	l ₂	mm	3317		3317		3317		3317	
	4-21	Overall width	b _{1/2}	mm	1450 / 1575 / 1875		1450 / 1575 / 1875		1450 / 1575 / 1875		1450 / 1575 / 1875	
	4-22	Fork dimensions DIN ISO 2331	s/e/l	mm	60 x 150 x 1200		60 x 150 x 1200		60 x 150 x 1200		60 x 150 x 1200	
	4-23	Fork carriage ISO 2328, class/type A, B		mm	IVA		IVA		IVA		IVA	
	4-24	Fork carriage width (Standard Carriage) (4)	b ₃	mm	1219		1219		1219		1219	
	4-24	Fork carriage width (ISS Carriage) (4)	b ₃	mm	1372		1372		1372		1372	
	4-31	Ground clearance, laden, below mast	m ₁	mm	194		194		194		194	
	4-32	Ground clearance, centre of wheelbase	m ₂	mm	237		237		237		237	
	4-34-1	Aisle width for pallets 1000 × 1200 crossways (5)	A _{st}	mm	4868		4868		4868		4868	
	4-34-4	Aisle width for pallets 800 × 1200 crossways (5)	A _{st}	mm	4868		4868		4868		4868	
	4-35	Turning radius	W _a	mm	2877		2877		2877		2877	
	4-36	Internal turning radius	b ₁₃	mm	800		800		800		800	
PERFORMANCE	5-1	Travel speed with / without load		km/h	16.5	17.6	18.5	21.3	16.5	17.6	18.5	21.3
	5-1-1	Travel speed, laden/unladen, backwards		km/h	16.5	17.6	16.5	17.6	16.5	17.6	16.5	17.6
	5-2	Lifting speed with / without load		m/s	0.45	0.49	0.45	0.49	0.45	0.49	0.45	0.49
	5-3	Lowering speed with / without load		m/s	0.51	0.42	0.51	0.42	0.51	0.42	0.51	0.42
	5-5	Drawbar pull, laden/unladen (6)		N	27776	18399	33233	18399	27776	18399	33233	17976
	5-7	Gradeability - 1.6 km/h, with / without load (7)		%	23.6	26.5	28.6	26.5	23.6	26.5	28.6	26.5
	5-9	Acceleration time, laden/unladen		s	6.3	5.2	6.3	5.3	6.3	5.2	6.3	5.3
	5-10	Service brake			Hydraulic		Hydraulic		Hydraulic		Hydraulic	
	7-5	Fuel consumption according to VDI cycle		l/h	6.8		7.2		6.8		7.2	

> STANDARD AND OPTIONAL EQUIPMENT

PERFORMANCE	STD	OPT
Hyster Fortens	X	
Hyster Fortens Advance		X
Kubota 3.6L diesel engine	X	
Tier 4i / Stage IIIB compliant	X	
Combi Cooler Radiator	X	
Radiator Screen		X
Upswept Exhaust	X	
Exhaust Wraps		X
Powertrain Protection System with Engine Shutdown		X
High Air Intake	X	
High Air Intake with Precleaner		X
Heavy Duty Air Filter		X
Electronic Powershift - 1 Speed Transmission	X	
DuraMatch™ - 1 Speed Transmission		X
Premium oil-immersed brakes	X	
DRIVE	STD	OPT
Traction speed limiter - unconditional (adjustable)		X
Traction Speed Limiter pre-set to 13km/h (Adjustable)*		X
Indoor Speed Reduction*		X
Standard Tread	X	
Wide Tread		X
Dual Tread		X
7.00x15-14 Pneumatic Drive Tyres (Dual Tread)		X
7.00x15 Superelastic Drive Tires (Dual Tread)		X
7.00 R15 Pneumatic Radial Drive Tyres (Dual Tread)		X
8.25x15-14 Pneumatic Drive Tyres (Dual Tread)		X
8.25x15 Superelastic Drive Tyres (Dual Tread)		X
8.25 R15 Pneumatic Radial Drive Tyres (Dual Tread)		X
250x15 Superelastic Drive Tires (Standard Tread) - H4.0FT5-H4.0FT6	X	
250x15 Superelastic Drive Tyres (Wide Tread)		X
250x15 Non-Marking Superelastic Drive Tyres (Standard Tread)		X
250x15-20 Pneumatic Drive Tyres (Standard Tread)		X
250x15-20 Pneumatic Drive Tyres (Wide Tread)		X
250/70 R15 Pneumatic Radial Drive Tyres (Standard Tread)		X
250/70 R15 Pneumatic Radial Drive Tyres (Wide Tread)		X
300x15 Superelastic Drive Tyres (Standard Tread) - H4.5-5.5FT	X	
300x15 Superelastic Drive Tyres (Wide Tread)		X
300x15 Non-Marking Superelastic Drive Tyres (Standard Tread)		X
300x15-20 Pneumatic Drive Tyres (Standard Tread)		X
300x15-20 Pneumatic Drive Tyres (Wide Tread)		X
315/70 R15 Pneumatic Radial Drive Tyres (Standard Tread)		X
315/70 R15 Pneumatic Radial Drive Tyres (Wide Tread)		X
7.00x12 Superelastic Steer Tires - H4.0FT5-H4.0FT6	X	
7.00 R12 Pneumatic Radial Steer Tyres		X
7.00x12 Non-Marking Superelastic Steer Tyres		X
7.00x12-14 Pneumatic Steer Tyres		X
7.00x12-16 Pneumatic Steer Tyres		X
28x9-15 Superelastic Steer Tyres - H4.5-5.5FT	X	
28x9-15 Superelastic Heavy Duty Steer Tyres		X
28x9-15 Non-Marking Superelastic Steer Tyres		X

HANDLING	STD	OPT
Mechanical lever hydraulic controls, designed for clamping applications		X
TouchPoint™ mini lever hydraulic controls, designed for clamping applications		X
TouchPoint™ mini levers hydraulic control with Return to Set Tilt		X
TouchPoint™ mini levers hydraulic control with Return to Set Tilt, designed for clamping applications		X
Auto Speed Hydraulics		X
3 Function (1 Auxiliary) Hydraulic Valve	X	
4 Function (2 Auxiliary) Hydraulic Valve		X
5th hydraulic function controlled by solenoid		X
Without Hose Group	X	
Attachment Extension Tubes - 1 Pair		X
Attachment Extension Tubes - 2 Pair		X
Quick Disconnect Auxiliary Extension Tubes - 1 Pair		X
Quick Disconnect Auxiliary Extension Tubes - 2 Pair		X
1220mm Carriage - Class 4	X	
1220mm Integral Sideshift Carriage with Fork Positioner		X
1370mm Hook Type Attachment Carriage - Class 3		X
1372mm Attachment Carriage - Class 3		X
1372mm Integral Sideshift Carriage with Fork Positioner		X
1372mm Integral Sideshift Carriage - Class 4		X
1524mm Carriage - Class 4		X
1524mm Integral Sideshift Carriage - Class 4		X
1525mm Integral Sideshift Carriage with Fork Positioner		X
Meyer Double Pallet Handler : 6-5207F a (EURO PALLETS)		X
Meyer Double Pallet Handler : 21PH32B-56SG-3A (CHEP/UK PALLETS)		X
1220mm Load backrest	X	
1000 x 120 x 50mm Hook Type Standard Taper Forks - Class 3 (H4.0FT5)	X	
1100 x 120 x 50mm Hook Type Standard Taper Forks - Class 3		X
1200 x 120 x 50mm Hook Type Standard Taper Forks - Class 3 (H4.0FT6)	X	
1200 x 150 x 60mm Hook Type Standard Tapered Forks - Class 4 (H4.05FT-5.5FT)	X	
1300 x 150 x 60mm Hook Type Standard Taper Forks		X
1400 x 120 x 50mm Hook Type Standard Taper Forks - Class 3		X
1400 x 150 x 60mm Hook Type Standard Taper Forks		X
1500 x 150 x 50mm Hook Type Standard Taper Forks - Class 3		X
1500 x 150 x 60mm Hook Type Standard Tapered Forks - Class 4		X
1600 x 150 x 50mm Hook Type Standard Taper Forks		X
1600 x 150 x 60mm Hook Type Standard Taper Forks		X
1800 x 150 x 50mm Hook Type Standard Taper Forks - Class 3		X
1800 x 150 x 60mm Hook Type Standard Taper Forks		X
2000 x 150 x 50mm Hook Type Standard Taper Forks		X
2000 x 150 x 60mm Hook Type Stanard Taper Forks		X
2200 x 150 x 60mm Hook Type Standard Taper Forks		X
2400 x 150 x 60mm Hook Type Standard Taper Forks		X
LIFT	STD	OPT
2 Stage Limited Free Lift	X	
2 Stage Full Free Lift		X

STANDARD AND OPTIONAL EQUIPMENT



LIFT (continued)	STD	OPT
3 Stage Full Free Lift		X
Lift Height - 2800mm (2215mm Lowered Height) - H4.0FT5-H4.0FT6	X	
Lift Height - 3050mm (2175mm Lowered Height) - H4.5-5.5FT	X	
Various other Lift Heights		X
Mast tilt - 6° Forward / 10° Back		X
Mast tilt - 6° Forward / 6° Back	X	
Mast tilt - 6° Forward / 5° Back		X
Mast tilt - 6° Forward / 4° Back		X
Mast tilt - 6° Forward / 3° Back		X
Mast tilt - 12° Forward / 6° Back		X
Tilt Speed Restrictor - 1 degree per second (Mechanical)		X
Tilt Speed Restrictor - 1 degree per second (Electronically Adjusted)		X
Chain Slack Prevention Valve		X
Hydraulic Accumulator		X
Auxiliary Hydraulic System Cooler		X
High Temperature Hydraulic Fluid		X
CAB	STD	OPT
Full Steel Modular Cab with Steel doors and heater		X
Full Steel Modular Cab with PVC doors		X
Full Steel Cab with Air Conditioning		X
Full Steel Cab with Low Noise Cab Kit		X
Full Steel Cab with Low Noise Cab Kit with Air Conditioning		X
Top Sun Blind for Cab Trucks		X
Front Sun Blind for Cab Trucks		X
Auxiliary Equipment Mounting Bar		X
WEATHER PROTECTION	STD	OPT
Air conditioning		X
Cab heater		X
Glass Top Screen		X
Solid Top Screen + Front Screen with Washer/Wiper		X
Solid Top Screen + Front & Rear Screen with Washer/Wipers		X
Solid Top Screen + Front & Rear Screen with Washer/Wipers + PVC Doors		X
Laminated Glass Front and Rear Screen		X
Laminated Glass Front and Rear Screen and Fixed Door Windows		X
Laminated Glass Front Screen		X
ERGONOMICS	STD	OPT
2258mm High Overhead Guard - H4.0-4.5FTS5	X	
2300mm High Overhead Guard - H4.5FT6-H5.5FT	X	
2174mm Lowered Overhead Guard (Flat Plate) (H4.0-4.5FTS5)		X
2216mm Lowered Overhead Guard (Flat Plate) (H4.5FT6-H5.5FT)		X
Raised Operator Compartment		X
Load Weight Display		X
Operator Password		X
Operator Pre-Shift Electronic Checklist		X
Dual Mirrors Side View		X
Rear Drive Handle with Horn Button	X	
Non Suspension Vinyl Seat		X
Full Suspension Vinyl Seat	X	

ERGONOMICS (continued)	STD	OPT
Full Suspension Cloth Seat		X
Full Suspension Swivel Vinyl Seat		X
Full Suspension Swivel Cloth Seat		X
Heated Full Suspension Cloth Seat		X
High Backrest Lumbar Support Vinyl		X
High Backrest Lumbar Support Cloth		X
Full Suspension FLM36 (Low Profile) Vinyl Seat		X
Full Suspension FLM36 (Low Profile) Cloth Seat		X
Grammer Air Suspension Vinyl Seat		X
Grammer Air Suspension Cloth Seat		X
Air-Suspension Seat FLA Vinyl Seat		X
Air-Suspension Seat FLA Cloth Seat		X
Standard Seat Belt	X	
Hi-Vis Red Seat Belt		X
Hi-Vis Red Seat Belt with Interlock		X
Hi-Vis Red Seat Belt with Sequential Interlock		X
Manual lever hydraulic controls	X	
TouchPoint™, mini lever hydraulic controls		
TouchPoint™, mini lever hydraulic controls with clamping, hydraulic controls		X
TouchPoint™, mini lever hydraulic controls with Return to Set Tilt, hydraulic controls		X
TouchPoint™, mini lever hydraulic controls with clamping and Return to Set Tilt, hydraulic controls		X
Joystick hydraulic controls		X
Steering wheel with spinner knob	X	
Steering wheel without spinner knob		X
Directional Lever	X	
Monotrol		X
Directional Control Switch (Integrated in Arm rest)		X
Dash Mounted 12V Auxiliary Power Outlet		X
VISIBILITY	STD	OPT
Halogen work lights	X	
LED work lights		X
Work Light Package - 2 Front and 1 Rear Halogen Work Lights with Side, Stop, Tail, & Reverse Lights	X	
Work Light Package - 2 Front and 1 Rear LED Work Lights with Side, Stop, Tail, & Reverse Lights		X
Automatic Lights		X
Mast Mounted LED Lights		X
LED Work Light Protection		X
OPERATION	STD	OPT
Impact Monitor with 30 Second Shutdown		X
Impact Monitor with Immediate Shutdown		X
Engine, Lights and Display Shutdown (Seat Switch Activated)		X
Engine Shutdown (Seat Switch Activated)		X
System Monitoring System	X	
Premium Monitoring System		X
Vented Hood		X
Non-Vented Hood	X	
Belly Pan		X

> STANDARD AND OPTIONAL EQUIPMENT

OPERATION <i>(continued)</i>	STD	OPT
Visible alarm – Amber strobe light		X
Audible alarm – Reverse direction activated		X
Audible alarm – Motion Alarm		X
Hazard Warning Lights - Keyswitch Activated		X
Hazard Warning Lights - Switch Activated		X
Pedestrian Awareness Light (P.A.L.)		X
Front Pedestrian Awareness Light (P.A.L.)		X
OPERATION	STD	OPT
Red Line (Side) Pedestrian Awareness Lights (P.A.L.)		X
Battery Disconnect		X
Key switch start	X	
Push Button with Operator Password		X
Single Pedal Inch Brake	X	
Hyster Tracker wireless asset management system		X
Hyster Tracker wireless asset management - Access		X
Hyster Tracker wireless asset management - Verification		X
Hyster Tracker wireless asset management - Monitoring		X
3 Point Lifting Eyes Diesel		X
4 Point Lifting Eyes		X
APPEARANCE	STD	OPT
Hyster yellow paint base truck	X	
Special paint base truck		X
Hazard warning striping on counterweight		X
PACKAGES	STD	OPT
Cool Truck Package which includes High Air Intake with Precleaner, Exhaust Wraps, Powertain Protection System with Engine Shutdown, Premium Monitoring, Hydraulic Accumulator, High Temperature Hydraulic Fluid and Vented Hood		X
Paper Roll Package which includes Air Intake with Precleaner, Exhaust Wraps, Powertain Protection, Premium Monitoring, Traction Speed Limiter, Hydraulic Accumulator, Chain Slack Prevention Valve, Hydraulic Fluid, Belly Pan, Vented Hood and P.A.L.		X
SUPPLEMENTAL	STD	OPT
Literature package	X	
UL Classification Type "G/LP" - Includes UL Label		X
CE certification		X
Warranty: 12 Months / 2,000 Hours manufacturer's warranty	X	
Warranty: 36 Months / 6,000 Hours extended warranty		X

**Standard or Optional in select markets or on select models.
Please refer to the Price List for full option configurations.
Other options available through Special Products Engineering Department (SPED). Contact Hyster for details.*

As the first choice materials handling partner for the world's demanding operations, Hyster delivers value added solutions and dependable products through the strongest distribution network in the industry Hyster Fortens™ - The Solution to your Application Needs.

Protected Powertrain

The durable powertrain is computer controlled, protected and managed by the Pacesetter™ VSM electronic management system, featuring a CANbus communications network. The VSM ensures maximum uptime and dependability, as it allows for fast and accurate trouble-shooting, facilitates first-time fixes and can help to minimise costly "parts swapping".

DuraMatch™ - The World's Most Advanced Powershift Transmission

The electronically controlled DuraMatch™ transmissions provide smoother directional changes to eliminate shock loading and extend the life of the clutch packs. These transmissions offer unique and patented features, managed by the VSM, such as the Auto Deceleration System, which contributes to extending brake and tyre life and so reduces the frequency of required changes and ultimately your overall operating costs.

Autospeed Hydraulics

If the Autospeed Hydraulics option is selected when lifting a load the engine speed is automatically increased to provide full hydraulic power. The Pacesetter VSM maintains the current travel speed (or prevents travel) until the operator steps on the accelerator. No operator inching is required and productivity and efficiency is increased by simplifying operator actions.

Hassle-Free Electrical & Hydraulic Systems

The CANbus system ensures reliable operation of the truck, providing reduced wiring complexity and keeps them away from heat sources. Non contact Hall-Effect sensors and switches are environmentally sealed to IP66 standards to keep out water and debris (allowing the truck to be pressure washable) and are designed to outlast the life of the truck. The Hyster Fortens™ is equipped with hassle-free hydraulic systems, featuring Leak-free O-ring face seal fittings which reduce leaks for enhanced reliability.

More Dependable in Demanding Applications

Aluminium core radiators and a superior counterweight tunnel design coupled with a "pusher" type fan provide the industry's best cooling, ensuring that the truck operates at lower temperatures, which results in increased component life and limits the risk of overheating, particularly in heavy duty applications. In addition, the long term durability of the truck is enhanced by the available powertrain protection systems.

High-performance In-tank Hydraulic Filter

Superior filtration system increases life span of all hydraulic components such as hoses and pumps.

Significant savings in ownership costs per lift truck – each year

The Hyster Fortens™ has been designed to help you lower your ownership costs in all types of applications, through offering a wide range of engine and transmission options to suit the application need.

STRONG PARTNERS. TOUGH TRUCKS.™

FOR DEMANDING OPERATIONS, EVERYWHERE.

Hyster® supplies a complete range of warehouse equipment, IC and electric counterbalanced trucks, container handlers and reach stackers. Hyster® is committed to being much more than a lift truck supplier.

Our aim is to offer a complete partnership capable of responding to the full spectrum of material handling issues: whether you need professional consultancy on your fleet management, fully qualified service support, or reliable parts supply, you can depend on Hyster®.

Our network of highly trained dealers provides expert, responsive local support. They can offer cost-effective finance packages and introduce effectively managed maintenance programmes to ensure that you get the best possible value. Our business is dealing with your material handling needs so you can focus on the success of your business today and in the future.



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Hyster products are subject to change without notice. Forklift trucks illustrated may feature optional equipment.