



STRONG PARTNERS. TOUGH TRUCKS.



High Capacity Forklift Trucks

H8-12XM-6, H13-16XM-6
8 000 – 16 000 kg @ 600mm

Built with Experience and the Latest Technology

The latest generation of the Hyster H8-16XM-6 Range of Heavy Duty Forklifts is a market leader, building on the unique experience and success Hyster has had of providing application focused solutions to customers in a wide range of heavy industries for over 50 years.

This latest model is the 8th generation machine, and applies this experience, together with the latest advancements in technology, to create a range of forklift trucks designed to achieve maximum productivity, through industry leading dependability, serviceability and ergonomics, thanks to:

- › Nominal lifting capacities including side shift carriage
- › Full capacity up to 6200mm lift height
- › Fastest lifting, with a practical average of up to 0.54 m /sec
- › Excellent ergonomics with renowned Hyster Vista Cab
- › Rugged construction of mast, frame and drive train
- › Automatic transmission shifting as standard, with the APC200 soft-shift system featuring protective lock-out on forward-reverse shifting
- › Engine and transmission protection systems as standard
- › O-Ring Face Seal fittings used to eliminate hydraulic leaks
- › Easy serviceability, with centralised, PC accessible diagnostics, superior, unobstructed access to key components thanks to the tilting cab and gull-wing hood
- › Oil-immersed brakes contribute to increased productivity and reduced ownership costs





Power & Performance



The H8-16XM-6 range is available with a Cummins Diesel engine. This engine meets the Stage IIIA NRMM emissions legislation:

The Cummins QSB 6.7 diesel engine features:

- › 6-cylinder in-line industrial engine, with 6.7 litre capacity and charge-air cooling and waste gate turbocharger
- › Max **116 kW** (156 Hp) output at only 2500rpm, offering extra durability for long periods of peak power operation.
Smooth torque of **597 Nm** at 1500 rpm provides excellent acceleration and lugging power
- › Engine protection system, acting on low oil pressure and high coolant temperature. The system initially derates the engine power and finally shuts down the engine. Includes an override function for emergency situations

Driveline

Autoshift Transmission

This powertrain is mated to the S.O.H. TE10 3-speed autoshift transmission (for XM models, also with air operated drum brakes) or the Z.F. 3WG161 3-speed autoshift transmission (for XM Advance models, also with oil-immersed wet disc brakes) and the AxleTech PRC-425 (H8-12XM-6) or PRC-775 (H13-16XM-6) drive axle.

These transmissions are fitted with an industry leading automatic gear-change system. This 3 speed autoshift system features:

- › Smooth inching characteristic for precise load handling while stacking
- › A column-mounted lever or a Monotrol Pedal for direction changes
- › A 'soft-shift' characteristic (through electronic 'throttle-back' function during gear change). In addition to providing improved driver comfort, the system also eliminates shifting-shocks on the driveline
- › An 'on the move' forward-reverse shifting lock-out function, which protects the transmission and drive-line against overloading, during abrupt direction changes

- › The transmission incorporates adjustable parameters for engine and travel speed, as well as featuring extremely smooth shifting and torque controlled inching for the best overall truck performance
- › Transmission protection system, acting on high oil temperature (warning light, buzzer and initial derate, followed by shut down)

Drive Axle

The wide AxleTech drive axle offers:

- › Excellent sideways stability
- › Long-term durability thanks to the fitment of strong end-reduction shafts and gears
- › XM models: Air-operated drum brakes (with air dryer). XM Advance models: Oil-immersed 'wet disc' brakes feature oil cooling for durability and are virtually maintenance free.
- › Parking brake: XM models: Drum brakes, spring applied and air-released. XM Advance models: Separate dry disc brake on the drive axle input shaft, spring applied and hydraulically released.



Steer Axle

The Hyster designed hydrostatic steer axle features

- › Double-acting, single steering cylinder with adjustable end stops. It is renowned for its long lifespan and low maintenance requirements
- › Load-sensing power steering to ensure low-effort operation under all operating conditions

Class Leading Ergonomics

The H8-16XM-6 series features the Hyster “Vista” cab, now common across the Hyster Big Truck range.

- › The cab has been designed to offer an industry-leading ergonomic operator environment, and focuses on maximising driver comfort and visibility for maximum levels of productivity during the operating cycle
- › Access is easy, thanks to wide opening doors with low mounted running boards
- › The fully adjustable armrest adjusts with the seat height for minimized arm movement resulting in maximum driver comfort and reduced driver fatigue
- › The armrest houses the integrated controls for lift/tilt/sideshift and auxiliary functions. The controls are low effort to ensure smooth and effortless use of the joystick or lever controls
- › The truck features a fully adjustable full-suspension driver's seat with seat belt, “park brake off” warning buzzer and operator presence system
- › The fully adjustable steering column features load-sensing, power-assisted steering
- › The cab also features conveniently positioned lever controls and instruments and a push-button parking brake



- › Responsive, fully hydraulic brakes and an automotive style pedal layout further contribute to driver confidence and comfort
- › The Hyster Vista Cab is equipped with a side mounted dash display - 4 bright LED warning lights mounted on the steering column inform the driver when he needs to refer to the dash display, ensuring that his/her attention is never unnecessarily diverted from the job in hand
- › The multi-function CAN-bus controlled display panel consists of a comprehensive array of gauges and backlit warning lights, including an LCD screen and error code facility
- › The spacious uncluttered floor covered

with a high density rubber mat contributes to a low noise level of 73 dB(A) at driver's ear

- › The Hyster Vista cab is mounted on elastomeric rubber mounts isolating and minimizing the effects of road-born shocks and vibrations
- › Optional sunshade screens can be fitted on the top- and rear windows.
- › Optional air-conditioning is integrated into the heating and ventilation system, with manual temperature control. It includes the sunshade screens on top and rear windows.
- › Climate control air-conditioning is also available as an option.



Superior Visibility

The Vista Cab also contributes to providing the driver with excellent all-round visibility, featuring:

- › Large curved front window, fitted with tinted safety glass
- › Curved rear window with one-piece glass
- › Minimum use of steel parts, providing the maximum possible glazed area
- › Upward visibility is virtually free from obstruction, thanks to a clever overhead guard design: The overhead bars curve outwards to create a panoramic upward view
- › Wide-view rear view mirrors are fitted inside the cab
- › The dash display is mounted to the right hand side of the driver, so visibility through the windscreen is unobstructed
- › Front, rear and top wipers, washers and demisters, a fresh air inlet, sliding windows, an effective heater and defroster all combine to ensure that the driver has a clear view in all weather conditions
- › Excellent rearwards visibility is enhanced thanks to the sloping design of the hood and counterweight
- › A clear view to the front is optimized by using the Hyster Vista mast with:
 - Wide mast construction
 - Rear-mounted lift cylinders (behind the mast channels), for minimum obstruction



Rugged Front-End Construction Matches Application Requirements

All Hyster H8-16XM-6 forklift trucks are equipped with heavy duty Vista masts to handle all types of load.



- › 3 different mast strengths, appropriate to the truck capacity, ensures the right mast for the job
- › Designed with the modern FEM (Finite Element Modelling) system
- › Equipped with rollers and side bearing blocks for excellent lateral rigidity
- › Generous overlap of the mast channels for maximum durability
- › Same mast channels are used for masts up to 7 metres, providing a tough mast for all lift heights
- › Proven design, with thousands of trucks built and operating today
- › Deliverable as two or three stage versions

The Hyster pin-type carriage is an integral piece of the rugged front-end construction. Its design benefits from Hyster's long experience, to ensure maximum performance combined with excellent visibility.

- › A wide range of carriages is available to suit all applications including non-sideshift, sideshift and individual or simultaneous fork-positioning
- › The sideshift carriage is equipped with top bronze bearings and bottom sliding blocks for minimum wear
- › The electro hydraulically controlled valves are mounted directly on the carriage and are supplied with only two hydraulic hoses and one electric harness

Fast Machine for Maximum Productivity

To achieve maximum productivity, Hyster has equipped the H8-16XM-6 series with high performance hydraulics and a powerful powertrain.

The hydraulic system is highly efficient, and features 'Power on Demand' by means of 'Variable Displacement Pump(s) (VDP).

- › The result is lifting speeds that are class leading:
The practical 4-mode average lifting speed is a fantastic 0.40 m/sec to 0.52 m/sec. #)

#) Average of four lifting modes:

Unladen lift speed = 0.42 to 0.63 m/sec

Laden lift speed = 0.28 to 0.46 m/sec

Unladen lowering speed = 0.44 to 0.48 m/sec

Laden lowering speed = 0.48 to 0.50 m/sec

For full data see the specification tables on page 16 and 17

- › Travel speeds from 23 km/h up to 32 km/h are possible.

If these travel speeds need to be lower for your specific application, your Hyster dealer can adjust the maximum travel speed to your suit requirements.



Strength & Stability

Excellent stability boosts operator confidence and truck versatility, making the H8-16XM-6 series suitable for the harshest applications:

- › All nominal capacities are rated to include the sideshift carriage. This means that a Hyster with a standard non-sideshift carriage has an extra capacity from 400kg to 1000kg
- › The H8-16XM-6 series has been designed to handle loads to high lift heights. There is no reduced capacity up to and including 6200 mm. Even above 6200 mm lift height the de-rating has been kept to a minimum
- › Due to the short load distance (“x” measurement as per VDI table) and high residual rear axle loading on the Hyster steer axle, these Hyster trucks have excellent stability

A Solid Framework

The unitised box frame used in the H8-16XM-6 series is designed for maximum strength with:

- › 3 different wheelbases, ensuring the narrowest possible turning radius for each truck
- › FEM (Finite Element Modelling) to ensure durability.
- › All frames are based on the largest model - H16XM-6





Easy Serviceability

The Hyster H8-16XM-6 series is renowned for its ease of maintenance. The truck is easily accessible with unobstructed access to the engine compartment and conveniently located service check points:

- › Equipped as standard with either a manual or electric tilting cab, to ensure easy access to major components for service
- › Gas-spring assisted gull wing hoods for convenient access to engine compartment, reducing downtime
- › Low running boards, providing mechanics an excellent vantage point to work from
- › Window washer refill bottle located next to cab for quick, easy access
- › Clean electrical and hydraulic routings
- › Centralised diagnostics in the operator cab
- › 'CANbus' connections in the operator cab, for engine, transmission, hydraulics and instruments cluster
- › LCD display with diagnostics for engine, transmission and electrical systems to quickly identify service needs
- › Standard oil-immersed (wet) brakes are virtually maintenance free
- › 500 hour service interval



Other Features

Hydraulics

Hyster's 'Variable Displacement Pump(s) (VDP) results in high lift speeds, in combination with a Hyster designed 2 stage mast.

- › Leak-free ORFS (O-ring) type fittings are used throughout the whole machine
- › The hydraulic oil tank is equipped with an external sight glass for oil level
- › Filtration: Full-flow return line filter with 10 micron cartridge on the main system

Electrics

- › 24 Volt system, 70 A alternator
- › 'CANbus' connection in the operator cab, for engine, transmission, hydraulics and instruments cluster
- › LCD display with diagnostics for engine, transmission and electrical systems to quickly identify service needs

Cooling

The H8-16XM-6 is designed to operate in ambient temperatures of -18° C up to 50° C in normal applications, or up to 45° C for heavy duty operations.

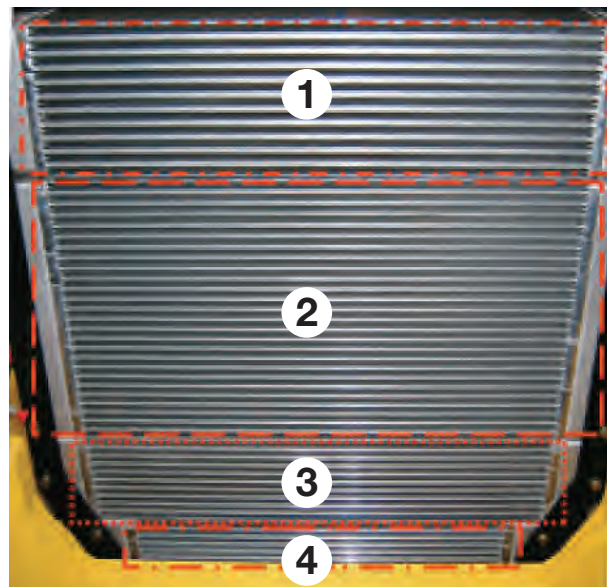
Generously sized aluminium radiator block consists of four (individually exchangeable) sections:

1. Charge air cooler
 2. Engine coolant
 3. Brake and hydraulic oil
 4. Transmission oil
- › The air-intake is now located at the top of the counterweight, to provide a cleaner air-flow

Lights

Standard are: 2 work lights on the rear of the operator compartment, 2 front marker and indicator lights on the front fenders, and LED type direction indicators and stop, tail and reverse driving lights in the counterweight.

Optional are: 2 mast-mounted work lights or 4 work lights mounted on the operator compartment (halogen or Xenon), and an amber strobe light on the rear of the operator compartment.





Optional Equipment

- › On 8-12 ton XM Advance models, dual (2x 60cc) VDP pumps are optional (standard on 13-16t XM Advance models).
- › Engine block heater
- › Powered tilting cab for more convenient service access
- › Lifting eyes (2 x on mast and 2 x on rear counterweight)
- › Radial pneumatic tyres
- › Solid (pneumatic shaped) tyres
- › Air-conditioning, High output air-conditioning, Climate control air-conditioning.
- › Open driver module
- › High backrest on seat
- › Air suspended seat
- › Trainer seat
- › Monotrol drive control
- › Joystick hydraulic control
- › 24/12 volt DC-DC converter
- › Various light kits
- › Application specific masts (2-Stage Limited Free Lift, 2-Stage Full Free Lift, 3-Stage Full Free Lift), carriages and forks
- › Hydraulic accumulator
- › Back-up alarm (self-adjustable to 5 dB above ambient)
- › Special RAL colours
- › Reading light in the cab
- › Sun shade: sliding screen under top window of cab
- › Extra air re-circulation fan, inside the cab
- › Various attachments: Coil ram, paper roll clamp, etc
- › Raised cab position 500 mm
- › Optional DeLuxe seat offers nine additional features and is also available with seat heating





H8-16XM-6

CHARACTERISTICS	1.1	Manufacturer
	1.2	Model designation
	1.3	Power: battery, diesel, LPG, electric mains
	1.4	Operation: manual, pedestrian, stand, seat, orderpicker
	1.5	Load capacity Q (kg)
	1.6	Load centre c (mm)
	1.8	Load distance x (mm)
	1.9	Wheelbase y (mm)

WEIGHTS	2.1	Unladen weight	kg
	2.2	Axle loading with load, front/rear	kg
	2.3	Axle loading without load front/rear	kg

WHEELS & TYRES	3.1	Tyres: L=pneumatic, V=solid, SE=pneumatic-shaped solid
	3.2	Tyre size, front
	3.3	Tyre size, rear
	3.5	Number of wheels front/rear (x = driven)
	3.6	Track track, front b ₁₀ (mm)
	3.7	Track track, rear b ₁₁ (mm)

DIMENSIONS	4.1	Mast tilt, a = forward /b = back	Degrees
	4.2	Height of mast, lowered	h ₁ (mm)
	4.3	Free lift ¶	h ₂ (mm)
	4.4	Lift height ¶	h ₃ (mm)
	4.5	Height of mast, extended ✚	h ₄ (mm)
	4.7	Height of overhead guard ➤	h ₆ (mm)
	4.8	Seat height	h ₇ (mm)
	4.12	Towing coupling height	h ₁₀ (mm)
	4.19	Overall length	l ₁ (mm)
	4.20	Length to face of forks (with sideload carriage)	l ₂ (mm)
	4.21	Overall width - drum / oil-immersed disc brakes ●	b ₂ (mm)
	4.22	Fork dimensions	s/e/l (mm)
	4.23	Fork carriage type	
	4.24	Fork carriage width ✚	b ₃ (mm)
	4.25	Maximum width across forks (with fork positioner) ◆	b ₅ (mm)
		Sideshift from centre of truck ◆	b ₆ (mm)
	4.31	Ground clearance, under mast with load	m ₁ (mm)
	4.32	Ground clearance, centre of wheelbase	m ₂ (mm)
	4.33	Aisle width with pallets 1000mm x 1200mm wide ▲	Ast (mm)
	4.34	Aisle width with pallets 800mm x 1200mm long ▲	Ast (mm)
	4.35	Outer turning radius	Wa (mm)
	4.36	Inner turning radius	b ₁₃ (mm)

PERFORMANCE		Truck configuration	
		Transmission manufacturer and type	
	5.1	Travel speed, with/without load	km/h
	5.2	Lifting speed with/without load - with single (90cc) pump	m/sec
	5.2	Lifting speed with/without load - with dual (2 x 60cc) pumps □	m/sec
	5.3	Lowering speed with/without load - all versions	m/sec
	5.5	Drawbar pull with/without load	kN (at 1.6 km/h)
	5.6	Maximum drawbar pull with/without load	kN (at 1.6 km/h)
	5.7	Gradeability with/without load †	% (at 1.6 km/h)
	5.8	Gradeability with/without load †	%
	5.10	Service brake - drum / oil-immersed disc	

POWER UNIT	7.1	Engine manufacturer/type	
	7.2	Engine output, according to ISO 14396	kW
		Engine torque	Nm/rpm
	7.3	Governed speed	rpm
	7.4	Number of cylinders/displacement	cm³
	7.5	Fuel consumption according to VDI cycle	l/h

OTHER	8.1	Drive Control	
	8.2	Working pressure for attachments	bar
	8.3	Oil flow for attachments	l/min
	8.4	Average noise level (LpAZ) at operator's ear, inside Cab, according to EN12053	dB(A)
		Guaranteed sound power (LWA) according to 2001/14/EC ►	
	8.5	Towing coupling type	

Hyster	Hyster	Hyster
H8XM-6	H9XM-6	H10XMS-6
Diesel	Diesel	Diesel
Seat	Seat	Seat
8 000	9 000	10 000
600	600	600
725	725	760
2 700	2 700	2 700

12 389		12 704		15 096	
18 198	2 191	19 652	2 052	23 025	2 044
6 265	6 124	6 228	6 476	7 707	7 389

L		L		L	
9.00-20 12PR		9.00-20 12PR		10.00-20 14PR	
9.00-20 12PR		9.00-20 12PR		10.00-20 14PR	
4X	2	4X	2	4X	2
2 190		2 190		2 190	
1 930		1 930		1 930	

15	12	15	12	15	12
4 155		4 155		4 453	
-		-		-	
5 400		5 400		5 400	
6 822		6 822		7 118	
3 015		3 015		3 033	
1 742		1 742		1 760	
635		635		653	
5 494		5 494		5 529	
4 294		4 294		4 329	
2 463	2 425	2 463	2 425	2 484	2 446
65/200/1 220		65/200/1 220		75/200/1 220	
65 mm pin type		65 mm pin type		75 mm pin type	
2 350		2 350		2 350	
520 - 2 230		550 - 2 230		520 - 2 230	
150		150		150	
248		248		225	
274		274		292	
5 739		5 739		5 774	
5 939		5 939		5 974	
3 914		3 914		3 914	
220		220		209	

XM	XM Advance	XM	XM Advance	XM	XM Advance
SOH TE10	ZF WG 161	SOH TE10	ZF WG 161	SOH TE10	ZF WG 161
26.4 / 28.1	30.5 / 31.2	26.4 / 28.1	30.2 / 31.2	25.0 / 29.7	30.6 / 32.0
0.46 / 0.52	0.46 / 0.52	0.46 / 0.52	0.46 / 0.52	0.35 / 0.40	0.35 / 0.40
N/A	0.55 / 0.63	N/A	0.55 / 0.63	N/A	0.42 / 0.48
0.50 / 0.48		0.50 / 0.48		0.49 / 0.46	
89.3 / 36	96.1 / 36	86.3 / 36.5	95.8 / 36.5	85.8 / 41.2	90.6 / 41.2
104.6 / 36	116.8 / 36	104.4 / 36.5	116.8 / 36.5	99.8 / 41.2	110.4 / 41.2
51 / 32	53 / 32	47 / 31	49 / 31	38 / 31	40 / 31
63 / 32	69 / 32	57 / 31	63 / 31	46 / 31	49 / 31
Drum	Disc	Drum	Disc	Drum	Disc

Cummins QSB6.7	Cummins QSB6.7	Cummins QSB6.7
116	116	116
597/1 500	597/1 500	597/1 500
2 300	2 300	2 300
6/6 700	6/6 700	6/6 700
☎	☎	☎

3-speed autoshift	3-speed autoshift	3-speed autoshift
193	193	193
100	100	100
73	73	73
108	108	107
Pin	Pin	Pin

Equipment and weight:

Weights and axle loadings (lines 2.1, 2.2, 2.3) are based on the following specifications:

H8-9XM-6: Complete truck with fully equipped cab, with 5330 mm BOF (5400 mm TOF) 2-stage lfl mast, 2350 mm wide Integral Sideshift carriage and 1220 mm long forks.

H10-12XM-6: Complete truck with fully equipped cab, with 6610 mm BOF (6700 mm TOF) 2-stage lfl mast, 2350 mm wide Integral Sideshift carriage and 1220 mm long forks.

HYSTER		HYSTER		HYSTER		HYSTER		HYSTER		1.1	CHARACTERISTICS
H10XM-6		H12XM-6		H13XM-6		H14XM-6		H16XM-6		1.2	
Diesel		Diesel		Diesel		Diesel		Diesel		1.3	
Seat		Seat		Seat		Seat		Seat		1.4	
10 000		12 000		13 000		14 000		16 000		1.5	
600		600		600		600		600		1.6	
760		760		862		862		862		1.8	
2 900		2 900		3 300		3 300		3 300		1.9	
14 589		15 444		18 061		18 792		19 847		2.1	WEIGHTS
21 926	2 663	24 773	2 672	28 731	2 330	30 225	2 567	33 091	2 756	2.2	
7 229	7 360	7 136	8 308	9 972	8 089	10 023	8 769	10 002	9 845	2.3	
L		L		L		L		L		3.1	WHEELS & TYRES
10.00-20 14PR		10.00-20 14PR		11.00-20 14PR		12.00-20 16PR		12.00-20 16PR		3.2	
10.00-20 14PR		10.00-20 14PR		11.00-20 14PR		12.00-20 16PR		12.00-20 16PR		3.3	
4X	2	4X	2	4X	2	4X	2	4X	2	3.5	
2 190		2 190		2 276		2 276		2 276		3.6	
1 930		1 930		2 000		2 000		2 000		3.7	
15	12	15	12	15	12	15	12	15	12	4.1	DIMENSIONS
4 453		4 453		5 093		5 116		5 116		4.2	
-		-		-		-		-		4.3	
5 400		5 400		6 700		6 700		6 700		4.4	
7 118		7 118		8 397		8 420		8 420		4.5	
3 033		3 033		3 043		3 064		3 064		4.7	
1 760		1 760		1 770		1 791		1 791		4.8	
653		653		663		684		684		4.12	
5 694		5 694		6 530		6 530		6 530		4.19	
4 494		4 494		5 005		5 005		5 005		4.20	
2 484	2 446	2 484	2 446	2 598	2 589	2 607	2 607	2 607	2 607	4.21	
75/200/1 220		75/200/1 220		90/200/1 525		90/200/1 525		90/200/1 525		4.22	
75 mm pin type		75 mm pin type		85 mm pin type		85 mm pin type		85 mm pin type		4.23	
2 350		2 350		2 500		2 500		2500		4.24	
520 - 2 230		520 - 2 230		520 - 2 380		520 - 2 380		520 - 2380		4.25	
150		150		150		150		150		4.30	
225		225		157		178		178		4.31	
292		292		325		346		346		4.32	
5 971		5 971		6 546		6 546		6546		4.33	
6 171		6 171		6 746		6 746		6746		4.34	
4 111		4 111		4 584		4 584		4 584		4.35	
252		252		459		458		458		4.36	
XM	XM Advance	XM	XM Advance	XM	XM Advance	XM	XM Advance	XM	XM Advance		PERFORMANCE
SOH TE10	ZF WG 161	SOH TE10	ZF WG 161	SOH TE10	ZF WG 161	SOH TE10	ZF WG 161	SOH TE10	ZF WG 161		
25.0 / 29.7	30.6 / 32.0	25.0 / 29.7	30.3 / 32.0	24.5 / 27.6	26.6 / 28.0	23.4 / 27.3	26.6 / 28.0	23.4 / 27.3	26.3 / 27.9	5.1	
0.35 / 0.40	0.35 / 0.40	0.35 / 0.40	0.35 / 0.40	0.28 / 0.42	N/A	0.28 / 0.42	N/A	0.28 / 0.42	N/A	5.2	
N/A	0.42 / 0.48	N/A	0.42 / 0.48	N/A	0.33 / 0.50	N/A	0.33 / 0.50	N/A	0.33 / 0.50	5.2	
0.49 / 0.46		0.49 / 0.46		0.48 / 0.44		0.48 / 0.44		0.48 / 0.44		5.3	
85.8 / 41.2	90.6 / 41.2	85.2 / 44.9	90 / 44.9	97.7 / 51.4	106.1 / 51.4	94.3 / 52.9	102.2 / 52.9	93.9 / 53.8	101.6 / 53.8	5.5	
99.8 / 41.2	110.4 / 41.2	99.2 / 44.9	10.4 / 44.9	118.6 / 51.4	130.3 / 51.4	113.4 / 52.9	124.9 / 52.9	113 / 53.8	124.9 / 53.8	5.6	
38 / 31	40 / 31	32 / 30	34 / 30	36 / 33	38 / 33	31 / 33	33 / 33	28 / 31	30 / 31	5.7	
46 / 31	49 / 31	38 / 30	46 / 30	45 / 33	46 / 33	38 / 33	41 / 33	35 / 31	37 / 31	5.8	
Drum	Disc	Drum	Disc	Drum	Disc	Drum	Disc	Drum	Disc	5.10	
Cummins QSB6.7		Cummins QSB6.7		Cummins QSB6.7		Cummins QSB6.7		Cummins QSB6.7		7.1	POWER UNIT
116		116		116		116		116		7.2	
597/1 500		597/1 500		597/1 500		597/1 500		597/1 500		7.21	
2 300		2 300		2 3 00		2 300		2 300		7.3	
6/6 700		6/6 700		6/6 700		6/6 700		6/6 700		7.4	
										7.5	
3-speed autoshift		3-speed autoshift		3-speed autoshift		3-speed autoshift		3-speed autoshift			OTHER
193		193		193		193		193		8.2	
100		100		100		100		100		8.3	
73		73		73		73		73		8.4	
107		107		107		107		107			
Pin		Pin		Pin		Pin		Pin		8.5	

H13-16XM-6: Complete truck with fully equipped cab, with 6610 mm BOF (6700 mm TOF) 2-stage lfl mast, 2500 mm wide Integral Sideshift carriage and 1525 mm long forks.

(Note: Truck weight with open operator module instead of fully equipped cab is 400 kg less. For axle loadings with open operator module: Deduct 50 kg from the rear axle loadings and deduct 350 kg from the front axle loadings.)

Mast and Capacity Information

H8-9XM-6 fitted with 9 x 20 tyres - Rated capacity kg@ 600 mm load centre

	Lift height (top of forks) h ₃ +s (mm)	Lowered height h ₁ (mm)	Free lift height (top of forks) h ₂ +s (mm)	Overall extended height h ₄ (mm)	Without Sideshift (kg)		With sideshift (kg)	
					H8XM-6	H9XM-6	H8XM-6	H9XM-6
2-Stage standard	3 750	3 330★	-	5 170★	8 600	9 500	8 000	9 000
	4 650	3 780★	-	6 070★	8 600	9 500	8 000	9 000
	5 400	4 155★	-	6 820★	8 600	9 500	8 000	9 000
3-Stage standard	5 600	3 020★	1 400	7 010★	7 300	8 200	7 080	7 980
	6 000	3 155★	1 540	7 410★	7 160	8 060	6 940	7 820
	6 500	3 320★	1 700	7 910★	6 980	7 860	6 760	7 640
	7 000	3 490★	1 865	8 410★	6 780	7 640	6 580	7 420

H10-12XM-6 fitted with 10.00 x 20 tyres - Rated capacity kg@ 600 mm load centre

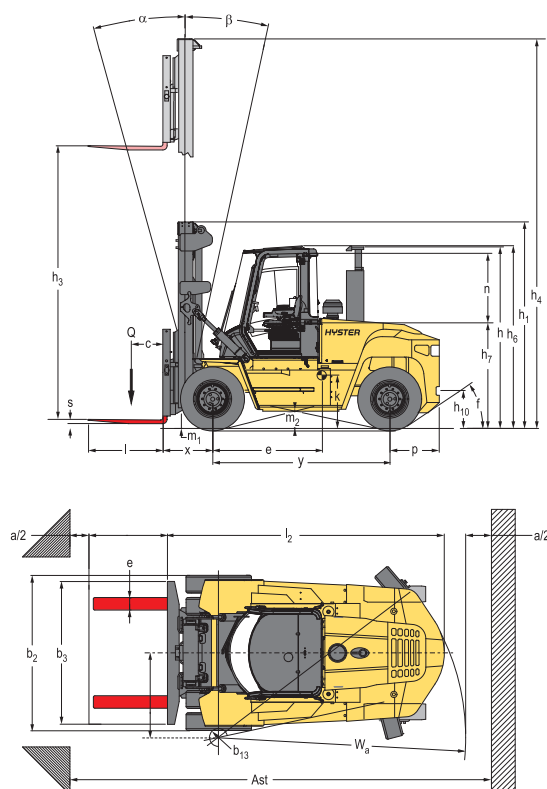
	Lift height (top of forks) h ₃ +s (mm)	Lowered height h ₁ (mm)	Free lift height (top of forks) h ₂ +s (mm)	Overall extended height h ₄ (mm)	Without Sideshift (kg)		With sideshift (kg)	
					H10XM-6	H12XM-6	H10XM-6	H12XM-6
2-Stage standard	3 750	3 630	-	5 470	10 450	12 700	10 000	12 000
	4 650	4 080	-	6 370	10 450	12 700	10 000	12 000
	5 400	4 455	-	7 120	10 450	12 700	10 000	12 000
	6 200	4 855	-	7 920	10 450	12 700	10 000	12 000
	6 700	5 105	-	8 420	10 300	12 400	9 700	11 700
3-Stage standard	5 600	3 045	1 435	7 030	10 060	11 420	9 440	10 720
	6 000	3 180	1 570	7 430	9 900	11 240	9 280	10 560
	6 500	3 345	1 735	7 930	9 680	11 020	9 080	10 360
	7 000	3 510	1 900	8 430	9 640	10 780	8 860	10 140

H13-16XM-6 fitted with 12.00 x 20 tyres - Rated capacity kg@ 600 mm load centre

	Lift height (top of forks) h ₃ +s (mm)	Lowered height h ₁ (mm)	Free lift height (top of forks) h ₂ +s (mm)	Overall extended height h ₄ (mm)	Without Sideshift (kg)			With sideshift (kg)		
					H13XM-6	H14XM-6	H16XM-6	H13XM-6	H14XM-6	H16XM-6
2-Stage standard	3 750	3 640	-	5 470 [□]	13 600	15 000	16 400	13 000	14 000	16 000
	4 650	4 090	-	6 370 [□]	13 600	15 000	16 400	13 000	14 000	16 000
	5 400	4 465	-	7 120 [□]	13 600	15 000	16 400	13 000	14 000	16 000
	6 200	4 865	-	7 920 [□]	13 600	15 000	16 400	13 000	14 000	16 000
	6 700	5 115	-	8 420 [□]	13 450	14 800	16 200	12 700	13 800	15 800
3-Stage standard	4 400	3 070	1 300 [□]	6 080 [□]	12 800	13 720	15 600	11 940	12 820	14 620
	5 000	3 270	1 500 [□]	6 680 [□]	12 740	13 660	15 540	11 880	12 760	14 560
	6 000	3 600	1 830 [□]	7 680 [□]	12 340	13 260	15 120	11 520	12 380	14 160
	7 000	3 940	2 160 [□]	8 680 [□]	11 760	12 680	14 520	10 980	11 840	13 600

The capacities quoted are in conformance with the ISO 1074 standard for stacking and travelling

Truck Dimensions



= Centre of gravity of unladen truck

$Ast = Wa + x + l6 + a$ (see lines 4.33)

a = Minimum operating clearance

(V.D.I. standard = 200 mm BITA recommendation = 300 mm)

$l6$ = Load length

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. If these specifications are critical, the proposed application should be discussed with your dealer.

- ¶ Bottom of forks
- ✦ Without load backrest
- Including wiper on cab roof
- XM Advance version has oil-immersed disc brakes
- ▲ Stacking aisle width (lines 4.33 & 4.34) is 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 truck.
- † Gradeability figures (lines 5.7 & 5.8) are provided for comparison of tractive performance, but are not intended to endorse the operation of vehicle on the stated inclines. Follow instructions in the operating manual regarding operation on inclines.
- ◆ Optional equipment
- Optional on models H8-12XM-6 in XM Advance version, standard on H13-16XM-6 in XM Advance version.
- ▶ Truck > 10 tonne capacity equipped with EC noise package. Noise level measured according to 2000/14/EC directive
- ☎ Data available on request, as values are dependent on application

Mast tables:

- ★ Add 25 mm if optional 10.00 x 20 tyres are fitted
- ❖ Deduct 20 mm for H13XM-6 with 11.00 x 20 tyres

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 mast tilt in either direction be kept to a minimum when loads are elevated. Operators must be trained and adhere to the instructions contained in the Operating Manual.

Hyster products are subject to change without notice.

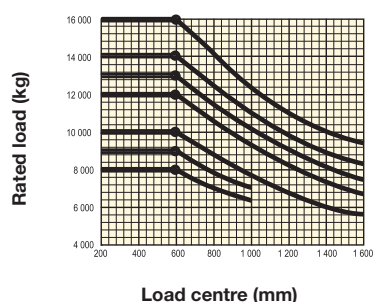
Lift trucks illustrated may feature optional equipment.



This truck conforms to the current EU requirements.

Model	H8XM-6	H9XM-6	H10XM-6	H12XM-6	H13XM-6	H14XM-6	H16XM-6
Load Moment cm-kg	1 060 000	1 192 500	1 355 000	1 626 000	1 879 800	2 024 000	2 313 600
Dimensions mm	e	1 342	1 405	1 490	1 531	1 613	1 760
	f	35°	35°	37°	37°	41°	37°
	h	3 388	3 388	3 411	3 411	3 440	3 463
	k	1 080	1 050	1 160	1 120	1 210	1 180
	n	1 135	1 135	1 135	1 135	1 135	1 135
	p	848	848	848	848	848	968

Rated Capacities



Load centre

Distance from front of forks to centre of gravity of load.

Rated load

Based on vertical mast.



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.



Hyster Europe

Flagship House, Reading Road North, Fleet, Hants GU51 4WD, England.

Tel: +44 (0) 1252 810261

 www.hyster.eu  infoeurope@hyster.com  [/HysterEurope](https://www.facebook.com/HysterEurope)  [@HysterEurope](https://twitter.com/HysterEurope)  [/HysterEurope](https://www.youtube.com/HysterEurope)  www.hyster-bigtrucks.com



FORTENS, HYSTER, and  are registered trademarks in the European Union and certain other jurisdictions.

MONOTROL and YARDMASTER are registered trademarks, and DURAMATCH is a trademark in the United States and in certain other jurisdictions.

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