



TM

STRONG PARTNERS. TOUGH TRUCKS.

High Capacity Forklift Trucks H36.00-48.00XM(S)-12

36 000 – 48 000 kg @ 1 200mm



H36.00-48.00XM(S)-12

Specification Data is based on VDI 2198

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 inch
	3.3	Tyre size, rear inch
	3.5	Number of wheels, front/rear (X = driven)
	3.6	Track width, front b ₁₀ (mm)
	3.7	Track width, rear b ₁₁ (mm)

DIMENSIONS	4.1	Mast tilt, α = forward/β = back degrees
	4.2	Height of mast, lowered h ₁ (mm)
	4.3	Freelift ◆ h ₂ (mm)
	4.4	Lift height ◆ h ₃ (mm)
	4.5	Maximum height of mast, extended h ₄ (mm)
	4.7	Height of basic truck, cab / exhaust pipe h ₆ / h (mm)
	4.8	Seat height h ₇ (mm)
	4.20	Length to face of forks l ₁ (mm)
	4.21	Overall width over front tyres b ₂ (mm)
	4.31	Ground clearance under mast (with load) / cab access step m ₁ (mm)
	4.32	Ground clearance, centre of wheelbase / rear counterweight m ₂ (mm)
	4.33	Aisle width with a 2 400 x 2 400 mm load, without clearance Ast (mm)
	4.33	Aisle width with a 2 400 x 2 400 mm load, incl. 200 mm clearance Ast (mm)
	4.35	Outer turning radius W _a (mm)

PERFORMANCE	5.1	Travel speed with/without load km/h
	5.2	Lifting speed with/without load, with 224 kW (300 Hp) engine m/sec
		Lifting speed with/without load, with (optional) 272 kW (365 HP) engine m/sec
	5.3	Lowering speed with/without load m/sec
	5.6	Maximum drawbar pull with/without load kN
	5.7	Gradeability with/without load † %
	5.10	Service brake

ENGINE	7.1	Engine manufacturer/type
	7.2	Engine output, in accordance with ISO 1585 kW (Hp)
	7.3	Governed speed rpm
	7.4	Number of cylinders/displacements cm ³
	7.5	Fuel consumption for medium to heavy duty use, with 224 kW / optional 272 kW engine l/h

OTHER	8.1	Drive control
	8.2	Pressure for attachments bar
	8.3	Oil flow for attachments l/min
	8.4	Average noise level, operator's ear, BITA Leq / EN12053 dB (A)
	8.5	Towing coupling type

HYSTER		HYSTER		HYSTER	
H36.00XMS-12		H40.00XM-12		H40.00XMS-12	
Diesel		Diesel		Diesel	
Seat		Seat		Seat	
36 000	40 800	40 000	45 000	40 800	45 000
1 200	900	1 200	900	1 200	900
1 255		1 255		1 255	
5 385		5 900		5 385	

52 385		50 120		55 525	
83 965	4 702	85 070	5 050	90 707	5 634
31 083	21 302	28 730	21 390	31 215	24 310

L		L		L	
18.00 x 25		18.00 x 25		18.00 x 25	
18.00 x 25		18.00 x 25		18.00 x 25	
4X	2	4X	2	4X	2
3 020		3 020		3 020	
3 075		3 075		3 075	

6	10	6	10	6	10
5 160		5 160		5 160	
0		0		0	
4 270		4 270		4 270	
7 280		7 280		7 280	
3 880	4 365	3 880	4 365	3 880	4 365
2 700		2 700		2 700	
8 200		8 645		8 200	
4 200		4 200		4 200	
343	298	343	298	343	298
464	376	464	376	464	376
10 820		11 506		10 820	
11 020		11 706		11 020	
7 100		7 720		7 100	

20	22	20	22	20	22
0,24	0,30	0,24	0,30	0,24	0,30
0,26	0,30	0,26	0,30	0,26	0,30
0,50	0,45	0,50	0,45	0,50	0,45
237	230	240	232	235	229
26	43	23	37	24	40
Oil Immersed Brakes		Oil Immersed Brakes		Oil Immersed Brakes	

Cummins QSM 11		Cummins QSM 11		Cummins QSM 11	
224 kW (300 Hp)		224 kW (300 Hp)		224 kW (300 Hp)	
optional 272 kW (365 Hp)		optional 272 kW (365 Hp)		optional 272 kW (365 Hp)	
1 800		1 800		1 800	
6	10 800	6	10 800	6	10 800
☎		☎		☎	

3-speed autoshift SOH TE27 optional SOH TE32		3-speed autoshift SOH TE27 optional SOH TE32		3-speed autoshift SOH TE27 optional SOH TE32	
245		245		245	
90		90		90	
74	75	74	75	74	75
Pin		Pin		Pin	

NOTE:

Specifications are affected by the conditions 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.

† Gradeability figures (lines 5.7 & 5.8) 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.

- ◆ Bottom of forks
- With non-sideshift carriage
- ☎ Consult your Hyster lift truck dealer

HYSTER		HYSTER		HYSTER		HYSTER			CHARACTERISTICS
H44.00XM-12		H44.00XMS-12		H48.00XM-12		H48.00XMS-12		1.1	
Diesel		Diesel		Diesel		Diesel		1.3	
Seat		Seat		Seat		Seat		1.4	
44 000	48 000	44 000	48 000	48 000	48 000	48 000	48 000	1.5	
1 200	900	1 200	900	1 200	1 200	1 200	1 200	1.6	
1 255	1 255	1 255	1 255	1 255	1 255	1 255	1 255	1.8	
5 900	5 900	5 385	5 385	5 900	5 900	5 385	5 385	1.9	

52 350		57 754		55 150		60 963		2.1	WEIGHTS
90 730	5 620	95 398	6 347	96 740	6 410	101 653	7 382	2.2	
28 755	23 595	31 279	26 475	29 135	26 015	31 585	29 378	2.3	

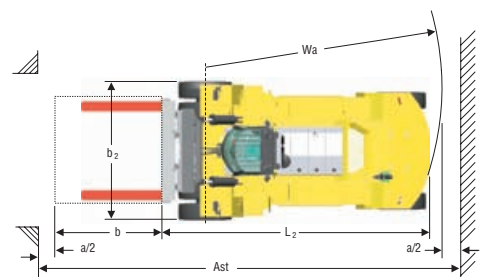
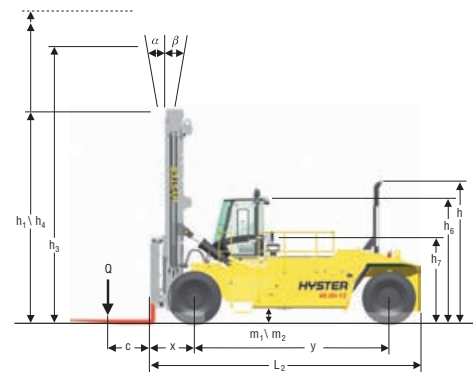
L		L		L		L			WHEELS & TYRES
18.00 x 25		18.00 x 25		18.00 x 25		18.00 x 25		3.1	
18.00 x 25		18.00 x 25		18.00 x 25		18.00 x 25		3.2	
4X	2	4X	2	4X	2	4X	2	3.5	
3 020	3 020	3 020	3 020	3 020	3 020	3 020	3 020	3.6	
3 075	3 075	3 075	3 075	3 075	3 075	3 075	3 075	3.7	

6	10	6	10	6	10	6	10	4.1	DIMENSIONS
5 160	5 160	5 160	5 160	5 160	5 160	5 160	5 160	4.2	
0	0	0	0	0	0	0	0	4.3	
4 270	4 270	4 270	4 270	4 270	4 270	4 270	4 270	4.4	
7 280	7 280	7 280	7 280	7 280	7 280	7 280	7 280	4.5	
3 880	4 365	3 880	4 365	3 880	4 365	3 880	4 365	4.7	
2 700	2 700	2 700	2 700	2 700	2 700	2 700	2 700	4.8	
8 645	8 200	8 645	8 200	8 645	8 200	8 200	8 200	4.20	
4 200	4 200	4 200	4 200	4 200	4 200	4 200	4 200	4.21	
343	298	343	298	343	298	343	298	4.31	
464	376	464	376	464	376	464	376	4.32	
11 506	10 820	11 506	10 820	11 506	10 820	11 506	10 820	4.33	
11 706	11 020	11 706	11 020	11 706	11 020	11 706	11 020	4.33	
7 720	7 100	7 720	7 100	7 720	7 100	7 720	7 100	4.35	

20	22	20	22	20	22	20	22	5.1	PERFORMANCE
0,24	0,30	0,24	0,30	0,24	0,30	0,24	0,30	5.2	
0,26	0,30	0,26	0,30	0,26	0,30	0,26	0,30	5.3	
0,50	0,45	0,50	0,45	0,50	0,45	0,50	0,45	5.4	
240	232	238	229	240	232	238	228	5.6	
24	39	23	39	27	42	22	37	5.7	
Oil Immersed Brakes	Oil Immersed Brakes	Oil Immersed Brakes	Oil Immersed Brakes	Oil Immersed Brakes	Oil Immersed Brakes	Oil Immersed Brakes	Oil Immersed Brakes	5.10	

Cummins QSM 11	Cummins QSM 11	Cummins QSM 11	Cummins QSM 11	7.1	ENGINE
224 kW (300 Hp)	224 kW (300 Hp)	224 kW (300 Hp)	224 kW (300 Hp)	7.2	
optional 272 kW (365 Hp)	optional 272 kW (365 Hp)	optional 272 kW (365 Hp)	optional 272 kW (365 Hp)	7.3	
1 800	1 800	1 800	1 800	7.4	
6	10 800	6	10 800	7.5	

3-speed autoshift SOH TE27	3-speed autoshift SOH TE27	3-speed autoshift SOH TE27	3-speed autoshift SOH TE27	8.1	OTHER
optional SOH TE32	optional SOH TE32	optional SOH TE32	optional SOH TE32	8.2	
245	245	245	245	8.3	
90	90	90	90	8.4	
74	75	74	75	8.5	



$A_{st} = W_a + x + b + a$ (see line 4.33)
 a = Minimum operating clearance
(V.D.I. standard = 200 mm BITA
recommendation = 300 mm)
 b = Load Length

Drawbar pull performance figures are only indicative for comparison purpose. These performances are only possible for a short period of time.

Hyster products are subject to change without notice.
Lift trucks illustrated may feature optional equipment.
The capacities quoted are in conformance with ISO 1074 standard

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

Capacity Ratings

Masts H40.00-48.00XM-12 - Rated capacity kg @ 1 200 mm load centre

Mast Lift height (top of forks) (mm)	Mast lowered height (mm)	Without Sideshift 2 440 mm forks			With Sideshift 2 440 mm forks		
		H40.00XM	H44.00XM-12	H48.00XM-12	H40.00XM	H44.00XM-12	H48.00XM-12
4 410	5 160	40 000	44 000	48 000	38 350	42 500	46 200
7 150	6 530	40 000	44 000	48 000	37 900	42 000	45 750
8 675	7 295	40 000	44 000	48 000	37 600	41 750	45 450
9 285	7 600	39 600	44 000	48 000	37 200	41 650	45 350
9 890	7 905	39 250	43 600	47 650	36 750	41 200	44 900

Masts H36.00-48.00XM(S)-12 - Rated capacity kg @ 1 200 mm load centre (short wheelbase - 5.38m)

Mast Lift height (top of forks) (mm)	Mast lowered height (mm)	Without Sideshift 2 440 mm forks				With Sideshift 2 440 mm forks			
		H36.00XMS-12	H40.00XMS-12	H44.00XMS-12	H48.00XMS-12	H36.00XMS-12	H40.00XMS-12	H44.00XMS-12	H48.00XMS-12
4 410	5 160	36 280	40 820	44 000	48 070	34 340	39 000	41 980	46 560
7 150	6 530	36 100	40 820	44 000	48 070	33 890	38 550	41 530	46 110
8 675	7 295	35 120	40 620	43 700	48 070	32 970	38 280	41 260	45 840
9 285	7 600	34 720	40 200	43 600	48 070	32 590	37 870	41 160	45 740
9 890	7 905	34 310	39 750	43 150	47 710	32 180	37 460	40 730	45 310

High Capacity

At load centres shorter than 1 200 mm, capacities higher than nominal are possible, e.g.:

- › H40.00XM(S)-12 handles 46.000 kg @ 900 mm l.c., with a non-sideshift carriage
- › H44.00XM(S)-12 handles 48.000 kg @ 1 000 mm l.c., with a non-sideshift carriage

Please refer to the tables below for the relevant capacities, according to model, load centre, mast lift height and carriage type

Masts H40.00XM(S)-12 - Multi-rating kg @ 1 200 - 1 000 - 900 mm load centre

Mast Lift height (top of forks) (mm)	Mast lowered height (mm)	Mast back tilt	Without Sideshift			With Sideshift		
			1 200 mm	1 000 mm	900 mm	1 200 mm	1 000 mm	900 mm
4 410	5 160	10°	40 000	44 450	46 600	38 350	41 650	43 520
7 150	6 530	10°	40 000	44 040	46 090	37 900	41 160	43 010
8 675	7 295	10°	40 000	43 730	45 760	37 600	40 860	42 700
9 285	7 600	10°	39 600	43 240	45 260	37 200	40 410	42 220
9 890	7 905	10°	39 250	42 740	44 720	36 750	39 930	41 720

Masts H44.00XM(S)-12 - Multi-rating kg @ 1 200 - 1 000 - 900 mm load centre

Mast Lift height (top of forks) (mm)	Mast lowered height (mm)	Mast back tilt	Without Sideshift			With Sideshift		
			1 200 mm	1 000 mm	900 mm	1 200 mm	1 000 mm	900 mm
4 410	5 160	10°	44 000	48 000	48 000	42 500	46 150	48 000
7 150	6 530	10°	44 000	48 000	48 000	42 000	45 670	47 720
8 675	7 295	10°	44 000	48 000	48 000	41 750	45 370	47 410
9 285	7 600	10°	44 000	48 000	48 000	41 650	45 260	47 300
9 890	7 905	10°	43 600	47 660	47 660	41 200	44 760	46 640

Front-end Equipment

Masts

- › Ultra-wide 2-Stage masts, for improved visibility and excellent strength. Available in lift heights from 4.410 mm up to 12650 mm TOF

Carriages

- › Standard (non-sideshift) 3150 mm wide pin-type carriage, with independent fork positioners
Fork spread: Maximum 3005 mm outside to outside, minimum 1060 mm inside to inside
Or:
- › 3150 mm wide pin-type sideshift carriage, with independent fork positioners
Total sideshift is 610 mm (305 mm to each side) available in any fork position
Fork spread: Maximum 3005 mm outside to outside, minimum 1060 mm inside to inside

Forks

- › 2 440 mm long pin-type, quick-disconnect forks for use with general cargo
Fork section: 140 x 300 mm. Not suitable for 20' ISO container pockets
Or:
- › 2 110 mm long pin-type, with quick-disconnect forks, to suit a low-fork-mounted Hyster container spreader or for use with general cargo
Fork section: 140 x 300 mm. Not suitable for 20' ISO container pockets or for use with "S" models
Or:
- › 2 440 mm long, special 'thinline' forks
Fork section: 110 x 300 mm, suitable for 20' ISO container pockets
Available in (limited) capacity of either 36 000 kg or 44 700 kg

Container Spreader

Optionally available low-fork-mounted telescopic container spreader, for handling general cargo or 20'-40' ISO containers.

Please refer to the table below for the relevant capacities according to mode and lift / stacking heights.

Capacity (kg) with Sideshift carriage, 2 110 mm forks, LOW - (FORK) - MOUNTED 20'-40' telescopic container spreader

Stacking height & Container Height	Recomm. Mast Lift height (top of forks) (mm)	Mast lowered height (mm)	Maximum under twistlocks (mm)	For lower capacities	H40.00XM-12		H44.00XM-12		H48.00XM-12	
					Spreader reach retracted	Spreader reach extended	Spreader reach retracted	Spreader reach extended	Spreader reach retracted	Spreader reach extended
2 High 8'6"/9'6"	7 150	6 530	6 670	Please select H32.00F	35 080	30 990	38 870	34 420	40 000	37 820
3 High 8'6"/9'6"	9 890	7 905	9 410		34 030	30 060	37 800	33 460	40 000	37 480



Built on Experience

The H36.00-48.00XM(S)-12 series benefits from Hyster's long experience of designing and building high capacity forklift trucks. This is the 5th generation machine, with Hyster having started manufacturing trucks with capacities over 36T in 1971. These trucks offer fast handling, reliable proven components, high productivity and represent an excellent return on investment.

The H36.00-48.00XM(S)-12 series of fork lift trucks shares many similarities with the highly successful

ReachStacker and H40.00-50.00XM-16CH container handling machines, offering a modern, proven design concept, resulting in a fast and durable machine.

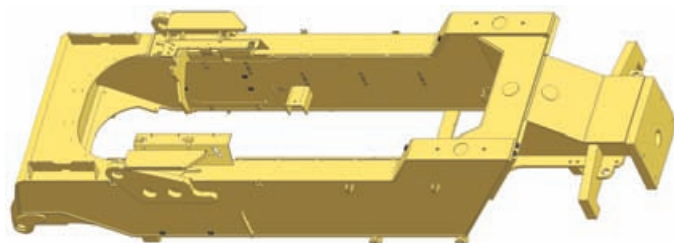
The key visible difference between the H40.00-50.00XM-16CH and H36.00-48.00XM(S)-12 trucks is that the cab of the forklift truck is mounted at the front, to provide the operator with excellent fork handling visibility.



Extra Value Features

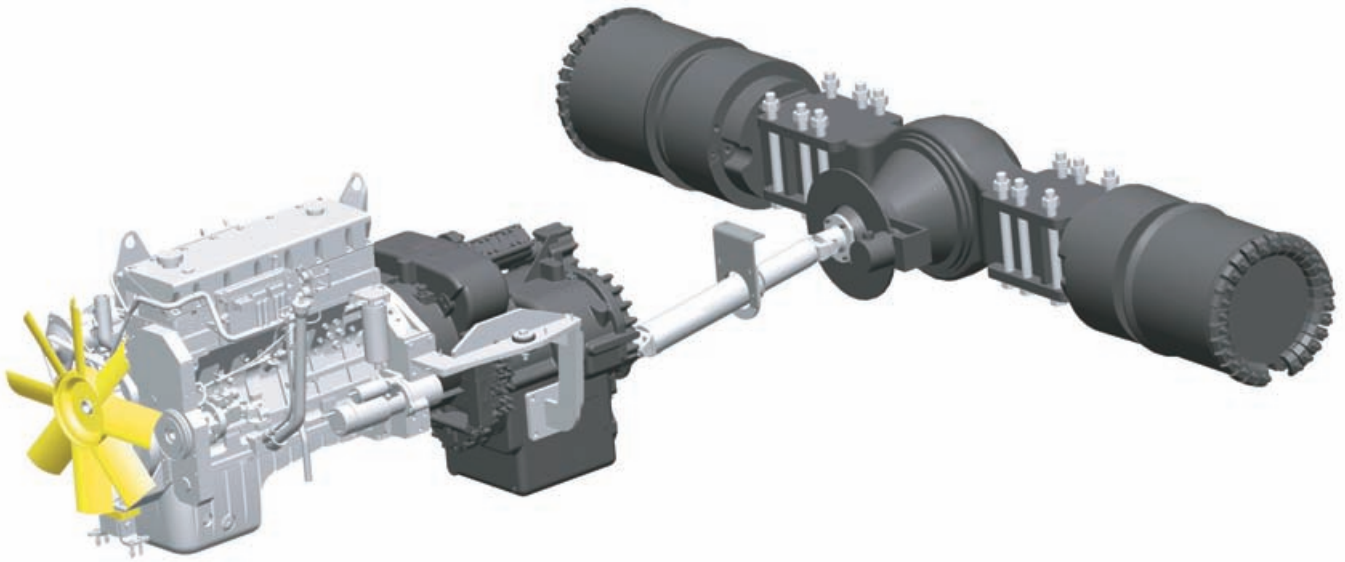
The H36.00-48.00XM(S)-12 range represents impressive value, in a high-specification package:

- › **Compact** machines with 5.90 m wheelbase and a turning radius of only 7.72 m. The short 'S' models are even more compact, with a wheelbase of only 5.38 m and a turning radius of just 7.10 m
- › **Productive** machines, with lifting speeds that are class leading: The practical 4-mode average lifting speed is a fantastic 0.37 m/sec, with the standard 224 kW / 300 Hp engine
- › **Stable** machines with a vehicle weight of 52 to 60 tonnes, a wheelbase of 5.90 m (5.38 for 'S' models), and a front width of 4.20 m
- › **Clean** running Cummins QSM11 diesel engines conform to the stringent EC Tier 3 emission Regulations for NRMM (Non-Road Mobile Machinery)
- › **Durable** wide AxleTech drive axle, with oil-immersed (wet) disc brake
- › **Large** 18.00 x 25 wheels on all models, offer long tyre life for lowest running costs
- › **Tropical** cooling package, generously sized for working in ambient temperatures of up to 50° C
- › **Protection** systems for the engine and transmission are standard equipment
- › **Visibility** all-round and on the handling operation is optimized by the front 'mid-high' mounted Hyster 'Vista' cab
- › **Comfortable** Hyster 'Vista' cab featuring industry leading design, offers excellent driver comfort, ergonomics, low noise and visibility and includes air-conditioning as standard
- › **Soft-shift** autoshift transmission (APC200 system), features a protective lock-out to prevent forward-reverse shifting at speed
- › **Excellent** maintenance access, with a powered sideways tilting cab and lightweight floor plates



Strength & Durability

- › The H36.00-48.00XM(S)-12 features an immensely strong frame, with massive box section frame members and large front axle supports
- › The AxleTech PRC7534 heavy duty drive axle, with reinforced spindles with double reduction, is wide (4.20 m over tyres) and provides stability and durability; whilst the oil-immersed (wet) disc brakes reduce maintenance requirements
- › The engine and transmission protection system features initial engine de-rating and engine stop functions
- › Hyster's 'sandwich' type steer axle, with a single cylinder and non-adjustable tie rods is renowned for its long life and low maintenance requirements
- › A tropical cooling system makes the H36.00-48.00XM(S)-12 machines suitable for working in ambient temperatures of up to 50°C



Power & Performance

- › Lifting speeds are class leading: The practical 4-mode average lifting speed is 0.37 m/sec, with the standard 224 kW / 300 Hp engine
Average of four lifting modes:
Unladen lift speed = 0.30 m/sec
Fully laden lift speed = 0.24 m/sec
Unladen lowering speed = 0.45 m/sec
Laden lowering speed = 0.50 m/sec
- › Clean engine power is provided by the 10.8 litre 6-cylinder Cummins QSM11 industrial diesel, available with two power ratings, a turbocharger and charge air cooler
- › The low exhaust emissions conform to the EC Tier 3 emissions standard for NRMM (Non-Road Mobile Machinery)
- › A two-stage heavy-duty air filter, plus a cyclonic pre-cleaner makes the truck suitable for dusty operating environments

Standard Power Package

- › Standard engine performance is 224 kW / 300 Hp at only 1800 rpm (216 kW at max. 2100 rpm). Maximum torque is 1424 Nm at 1000-1400 rpm
- › This 224 kW engine is combined with the S.O.H. (Spicer Off-Highway) TE-27 powershift transmission, with 4-speeds and APC200 soft-shift automatic gear shifting, protective forward-reverse shifting lock-out and transmission protection system

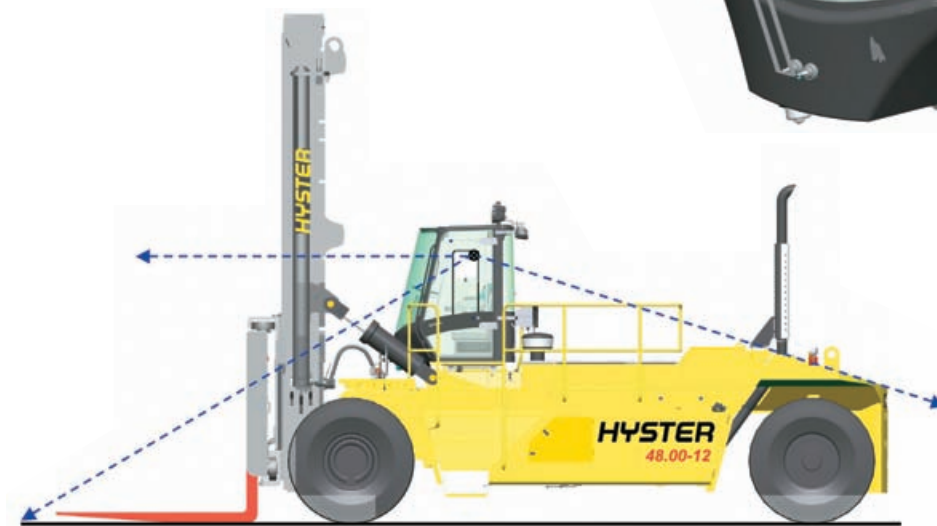
Optional Power Package

- › The optional power package features performance of 272 kW (365 Hp) at only 1800 rpm (216 kW at max. 2100 rpm), with massive maximum torque of 1674 Nm at 1000-1400 rpm
- › This engine is combined with the 4-speed S.O.H TE-32 powershift transmission, with APC200 soft-shift autoshift, a protective forward-reverse shifting lockout, and transmission protection system



Ergonomic Design

- › The new H36.00-48.00XM(S)-12 features the now familiar Hyster 'Vista' cab, which offers the optimum ergonomic operator environment, and focuses on maximising driver comfort and visibility, for maximum productivity
 - › Large windows, fitted with tinted safety glass, offer excellent all-round visibility. This is further enhanced in poor weather conditions by a fresh air inlet, sliding windows, an effective heater and defroster and wipers (with intermittent wipe function) and washers on front, top and rear screens
 - › Air-conditioning is integrated into the heating and ventilation system, with manual temperature control. The condenser is mounted in a convenient position against the rear of the cab roof
 - › The Full-suspension fully adjustable driver's seat features a high backrest, seat belt, "park brake off" warning buzzer, operator presence system, map reading light and extra air circulation fan
 - › The cab also features an adjustable steering column, power-assisted steering and lever controls, push-button parking brake and conveniently positioned instruments
 - › Responsive, fully hydraulic brakes and automotive type pedal layout further contribute to driver comfort
 - › The comprehensively equipped operator's cab, mounted on isolators, has an insulated twin-layer floor to help achieve low noise levels. The noise level is just 74 dB(A) Leq BITA equivalent at driver's ear
 - › Driver on-off access is comfortable, with wide steps and conveniently placed handrails
 - › Choice of in-cab controls - The standard joystick offers 'single-handle' intuitive control of mast lift & tilt, and (if fitted) sideshift and/or spreader functions, plus the horn
- As an alternative to the joystick, a levers and switches system is offered: Two levers for the mast lift & tilt functions, plus switches for the carriage functions



Outstanding All-round Visibility

- › The state-of-the-art operator compartment is mounted in a mid-high forward position, with clear sight lines all-round for outstanding fork-tip visibility and excellent all-round visibility of the machine and operating environment
- › Operator visibility during stacking, is also enhanced by the curved front window, the strong yet slim-line cab construction, the 'wave pattern' overhead guard, plus wipers (with washers) on the front, top and rear screens
- › Sunshades are fitted on the top and rear windscreens
- › Rear view mirrors (wide-view type) inside the cab, and extra rear view mirrors on the front fenders are standard equipment
- › The truck is equipped with a comprehensive set of road and work lights and an orange flashing beacon. See full details under **Lights**
- › Visibility forwards and over the forks is enhanced by the ultra-wide Hyster mast, now 1.80 m wide with 1.19 m in between the inner mast channels. The extra width also enhances mast strength
- › Rearward visibility is greatly enhanced by the downward sloping design of the new counterweight



Other Features

High Performance Hydraulics

- › Two gear type tandem pumps, with a total output of 430L/min
- › Leak-free ORFS (O-ring) type fittings are used throughout the truck
- › Hydraulic tank capacity is 600 litres and features a level gauge and magnetic drain plugs
- › Filtration: Full-flow return line filter with 10 micron cartridge on the main system, plus in-line pressure 20 micron filter on power-assist and support systems
- › Large hydraulic system oil cooler, suitable for working in ambient temperatures of up to 50°C
- › Centralized pressure check points, digital pressure indicator on brake system accumulator

Brakes

- › **Service Brake:** Front, oil-immersed (wet) disc brakes, with large oil cooler and a separate 10 micron brake oil filter. The brake system is fully hydraulic and charged by an accumulator (no air system)
- › **Parking Brake:** Spring actuated and hydraulically released, on the driveline, automatically applied when pressure falls below 50 bar. The transmission is disengaged when the parking brake is applied

Wheels & Tyres

- › Large 18.00 x 25 size tyres, front and rear, are fitted for improved tyre life and lower running costs. Bias pneumatic lug tread tyres are standard. Radial pneumatic lug tread tyres are optionally available

Note: A hydraulic accumulator in hoist system, which acts to cushion the load, is available as an option with all tyre choices



Electrical System

- › 24 V system, 70 A alternator, Battery 200 Ah (20 hr.). Battery master switch
- › CANbus connection in the cab, for engine, transmission, and instruments cluster

Lights

- › A complete light kit is fitted, comprising of: 4 front halogen work lights mounted on the cab, 2 front headlights and 2 front marker lights on the front fenders, 2 rear halogen work/drive lights on the cab, 2 combination tail & stop & rear driving lights, 4 direction indicators with hazard warning switch, orange flashing beacon on the cab

Instruments & Displays

- › **Warning lights:** Engine oil pressure, transmission oil pressure, transmission oil temperature, battery discharge indicator, low brake oil pressure, parking brake on
- › **Gauges:** Engine coolant temperature, fuel, transmission oil pressure, transmission oil temperature, voltmeter, engine oil pressure
- › **Other indicators:** Hour meter, low brake pressure buzzer, combination key-type ignition/starter switch with starter lock out, reverse warning alarm

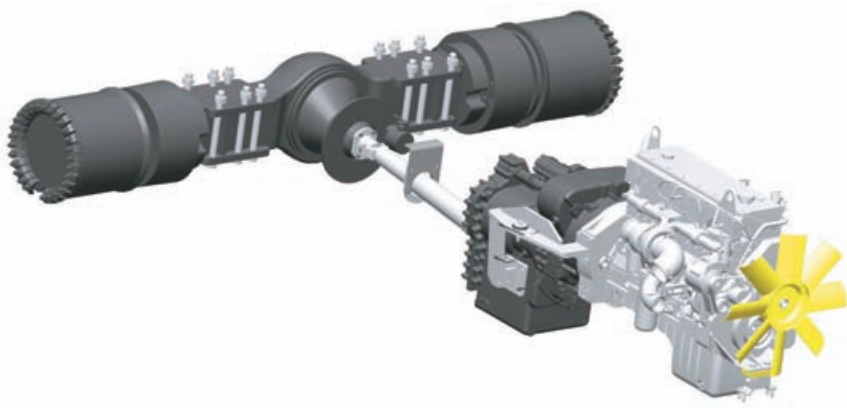


Ease of servicing

- › The right-hand side-tilting cab is electrically powered. A hand pump is also provided
- › In combination with the quickly removable (lightweight) aluminium floor plates, this provides truly excellent access for all maintenance work

Standard Equipment

- › Bias (diagonal) 40 ply pneumatic lug tread tyres
- › Air conditioning, full-suspension seat, seat belt, map reading light, extra air circulation fan
- › Standard power package: 224 kW / 300 Hp engine and TE-27 transmission
- › Fuel tank capacity is 725 litres (660 litres usable)
- › Joystick (hand) controls in the cab
- › Tropical cooling package, for working in ambient temperatures of up to 50°C
- › The unique 'side-by-side' 4-piece radiator cooler block for engine (coolant and intercooler), hydraulic system cooler and transmission cooler, is highly efficient and easy to clean. A 'puller' type fan draws in cleaner air from the top of the machine
- › The engine and transmission protection system features initial power reduction and final shut-down
- › Heavy duty air filter with a cyclonic pre-cleaner plus a 2-stage filter housing
- › Autoshift transmission with APC200 soft-shift system. The transmission also features a protective lock-out function on forward-reverse shifting. Audible alarm when in reverse gear
- › Complete light kit and flashing beacon
- › Side-tilting cab, with electrical power operation
- › Quickly removable lightweight floor plates



Optional Equipment

Extra Power Package:

- › Engine with 272 kW / 365 Hp and TE-32 transmission, instead of standard 224 kW / 300 Hp engine and TE-27 transmission
- › Hydraulic accumulator in the hoist system, acting as a shock absorber, recommended for uneven ground conditions
- › Radial tyres Michelin XZM2 18.00 R25 pneumatic lug tread tyres
- › Tyres 18.00 x 25 - various makes, bias (diagonal) or radial type, with lug tread or as 'slicks'
- › Spare wheel (complete tyre and rim)
- › Special colour(s) RAL paint

Front-end Equipment:

- › Special lift height 2-Stage masts, or 2-Stage Full Free Lift masts or 3-Stage masts
- › Coil ram pole for H36.00-44.00XM(S)-12 only: 2000 mm long ram pole, and 457 mm in diameter. Longer poles are available on request
- › Thinline forks for H36.00XMS-12 only: 2 440 mm long, for handling general cargo & 20' containers with ISO fork pockets
Fork section: 110 x 300 mm
Maximum fork capacity: 36 000 kg @ 1 200 mm
- › Thinline forks for H40.00-44.00XM(S)-12 only: 2 440 mm long, for handling general cargo and 20' containers with ISO fork pockets
Fork section: 110 x 300 mm
Maximum fork capacity: 44 700 kg @ 1 200 mm

- › Hyster 20'-40' telescopic ISO container spreader in low-fork-mounted position (on 2.11 m long forks, and sideshift carriage)

In-Cab / Operator Convenience Items:

- › Mast tilt angle indicator
- › Without air-conditioning, but including top and rear window sun screens
- › Choice of **Hand controls**: Joystick or levers and switches

Note: Joystick control is strongly recommended when using container spreader (7 functions total)

Operators may also prefer a joystick control for trucks fitted with forks only (with 4-5 functions)

- › **Air suspended seat**, instead of mechanically suspended seat
- › **Trainer seat** (small extra seat cushion, for part-time use)
- › **Support stand** with mounting plate, to fit computer terminal or communications equipment
- › **Converter**: 24 Volt DC to 12 Volt DC, in the cab
- › **Lights** at cab access staircase and in the engine compartment
- › **H.I.D.** ('High Intensity Discharge' xenon) work lights, (4 x on the cab and 1 x on the rear of the cab), instead of standard Halogen lights

Note: Only suitable for (non-public) on-terminal use, as these very bright lights may cause inconvenience to other operators / personnel.



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