



HIGH CAPACITY FORKLIFT TRUCKS

H13-16XM-6







H13-16XM-6

ш	IO-IU	NIII-O						
	1.1	Manufacturer		HV	STER	HYS	TFR	
DISTINGUISHING MARKS	1.2	Manufacturer's type designation			XM-6	H14>		
Į	1.3	Drive: electric (battery or mains), diesel, petrol, fuel gas			esel	Die		
	1.4	Operator type: hand, pedestrian, standing, seated, orderpicker		ated	Seated			
3	1.5	Rated capacity / rated load		3.0	14.0			
	1.6	Load centre distance		600	60	00		
	1.8	Load distance, centre of drive axle to fork	x (mm)	8	391	89	91	
	1.9	Wheelbase	y (mm)	3	300	3,3	00	
-	_					1		
WEIGHTS	2.1	Service weight ♦	kg		,481		116	
	2.2	Axle loading, laden front / rear	kg	29,331 10,458	2,150 8,024	30,768 10,443	2,348 8,673	
Ľ	2.3	Axle loading, unladen front / rear	kg	10,456	8,024	10,443	8,073	
	3.1	Tyres: L = pneumatic, V = solid, SE = pneumatic-shaped solid			L		L	
SIS	3.2	Tyre size, front			20 20PR		20 20PR	
I I	3.3	Tyre size, rear		12.00-	20 20PR		20 20PR	
8	3.5	Wheels, number front / rear (x = driven wheels)		4X	2	4X	2	
IYRES & CHASSIS	3.6	Tread, front	b ₁₀ (mm)	1,	900	1,	900	
	3.7	Tread, rear	b ₁₁ (mm)	2,	000	2,1	000	
	_					1		
	4.1	Tilt of mast/fork carriage forward/backward	α/β(°)	15	12	15	12	
	4.2	Height, mast lowered +	h, (mm)		466	4,	166	
	4.3	Free lift Lift ¶	h ₂ (mm)		310	5.	310	
	4.5	Height, mast extended	h ₄ (mm)		121		121	
	4.7	Height of overhead guard ■	h _s (mm)		053		053	
	4.7.1	Height of closed cabin without / with aircon	h _s (mm)	3,089	3,122	3,089	3,122	
	4.7.2	Height of closed cabin with strobe light	h _s (mm)	3,	221		221	
	4.7.3	Height of closed cab with work lights	h _e (mm)	3,	280	3,	280	
	4.7.4	Height of closed cab with aircon & strobe light	h ₆ (mm)	3,	295	3,	295	
	4.8	Seat height relating to SIP •	h ₇ (mm)		791	1,791		
	4.12	Coupling height	h ₁₀ (mm)		17		17	
	4.17	Overhang	I _s (mm)		09		09	
	4.19	Overall length	I ₁ (mm)		370		370	
2 €	4.20	Length to face of forks Overall width across all	l ₂ (mm) b ₂ (mm)		000 599		000 599	
IENSIONS	4.22	Fork dimensions ISO 2331	s/e/I (mm)		00 1.370		00 1.370	
Ē	4.23	Fork carriage type	0,0,1 (11111)		m) type side shift	l l	m) type side shift	
 -	4.24	Fork carriage width ●	b ₃ (mm)		500		500	
	4.25	Distance over fork arms, minimum / maximum ✓	b ₅ (mm)	470	2,420	470	2,420	
	4.30	Sideshift @ width over forks	b ₈ / b ₅ (mm)	2	05	2	05	
	4.31	Ground clearance, laden, below mast	m ₁ (mm)		78		78	
	4.32	Ground clearance, centre of wheelbase	m ₂ (mm)		41	3		
	4.33.1	Load dimension b ₁₂ × I _s crossways Aisle width for pallets 1200 × 1200 crossways without operating clearance	b ₁₂ × I ₆ (mm)	1,200	1,200	1,200	1,200	
	4.34.1.1	Aisle width for pallets 1200 × 1200 crossways without operating clearance ◆	A _{st} (mm)		675 875		375 375	
	4.34.1.3	Aisle width for pallets 1200 × 1200 crossways with 10% operating clearance	A _{st} (mm)		343		343	
	4.33.2	Load dimension b, × I _c crossways	$b_{12} \times I_{\epsilon} \text{ (mm)}$	1,200	800	1,200	800	
	4.34.2.1	Aisle width for pallets 1200 x 800 crossways without operating clearance	A _{ot} (mm)	6,	275		275	
1	4.34.2.2	Aisle width for pallets 1200 x 800 crossways with 200 mm operating clearance ◆	A _{st} (mm)	6,	475	6,	175	
	4.34.2.3	Aisle width for pallets 1200 x 800 crossways with 10% operating clearance	A _{st} (mm)	6,	903	6,9	903	
	4.35	Turning radius	W _a (mm)		584		584	
	4.36	Internal turning radius ®	b ₁₃ (mm)	1,	890	1,	390	
	F.1	Total condition of the design of						
	5.1 5.2	Travel speed, laden / unladen * Lift speed, laden / unladen	km/h	26.6	28.1	26.6	28.1	
PERFORMANCE DATA	5.2	Litt speed, laden / unladen Lowering speed, laden / unladen	m/s m/s	0.36	0.41 0.48	0.36 0.50	0.41 0.48	
ë	5.5	Drawbar pull, laden / unladen 🛣	kN	112	114	112	114	
1 3	5.6	Maximum drawbar pull, laden / unladen	kN	125	127	125	127	
	5.7	Gradeability, laden / unladen ↑ ₩	%	39	38	36	36	
8 €	5.7	Gradeability, laden / unladen ◆	%	44	38	41	36	
8	5.9	Acceleration time, laden/unladen	S	6.1	5.3	6.2	5.4	
		and the second second second second second second						
	7.5	Fuel consumption according VDI cycle	l/h or kg/h		2	1	R .	
			4-					
			Мра		9.5		9.5	
r	10.1	Working pressure for attachments						
	10.2	Oil volume for attachments	I/min		100		00	
E	10.2	Oil volume for attachments Hydraulic oil tank, capacity	I/min I		140	1	40	
LDATA	10.2 10.3 10.4	Oil volume for attachments Hydraulic oil tank, capacity Fuel tank, capacity	l/min I		140	1	40 58	
ONAL DATA	10.2 10.3 10.4 10.4.1	Oil volume for attachments Hydraulic oil tank, capacity Fuel tank, capacity DEF tank, capacity	I/min I		140 158 19	1 1	40 58 9	
DITIONAL DATA	10.2 10.3 10.4 10.4.1 10.5	Oil volume for attachments Hydraulic oil tank, capacity Fuel tank, capacity DEF tank, capacity Steering design	l/min I	Hydraulic p	140 158 19 ower steering	1 1 1 Hydraulic po	40 58 9 ower steering	
ADDITIONAL DATA	10.2 10.3 10.4 10.4.1	Oil volume for attachments Hydraulic oil tank, capacity Fuel tank, capacity DEF tank, capacity Steering design Number of steering rotation	l/min I I	Hydraulic p	140 158 19	1 1 Hydraulic po	40 58 9	
ADDITIONAL DATA	10.2 10.3 10.4 10.4.1 10.5 10.6	Oil volume for attachments Hydraulic oil tank, capacity Fuel tank, capacity DEF tank, capacity Steering design	l/min I	Hydraulic p	140 158 19 ower steering 3.7	1 1 Hydraulic pc 3	40 58 9 wwer steering .7	
ADDITIONAL DATA	10.2 10.3 10.4 10.4.1 10.5 10.6	Oil volume for attachments Hydraulic oil tank, capacity Fuel tank, capacity DEF tank, capacity Steering design Number of steering rotation Sound pressure level at the driver's seat L _{PAZ} *	l/min I I I dB (A)	Hydraulic p	140 158 19 ower steering 3.7 2.8	1 1 Hydraulic pc 3	40 58 9 wer steering .7	

Specification data is based on VDI 2198.

EQUIPMENT AND WEIGHT: Weights and axle loadings (lines 2.1, 2.2, 2.3) are based on the following specifications: H13-16XM-6: Complete truck with open operator compartment module, with 5336 mm BOF (5400 mm TOF) 2-stage NFL mast, 2500 mm wide Integral Sideshift carriage and 1370 mm long forks.

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

HYSTER	HYSTER	1.1	.
H10XM-12	H16XM-6	1.2	DISTINGUISHING MARKS
Diesel	Diesel	1.3	
Seated	Seated	1.4	₹
10.0	16.0	1.5	素
1,200	600	1.6	
891	891	1.8	8
3,300	3,300	1.9	

19,	376	20,	2.1	1	
27,234	2,142	33,649	2,523	2.2	
10,898	8,478	10,420	9,752	2.3	SI

	L		3.1		
12.00-2	20 20PR	12.00-	3.2	TYRES &	
12.00-2	20 20PR	12.00-	3.3	80	
4x	2	4x	2	3.5	1 暑
1,9	900	1,	3.6	CHASSIS	
2.0	000	2.	3.7	S	

15			12	15			12	4.1	
4,466				4,466				4.2	
-					-		4.3		
	5,3	310			5,3	310		4.4	
	7,1	121			7,1	21		4.5	
	3,0	053			3,0)53		4.7	
3,089			3,122	3,089			3,122	4.7.1	
	3,2	221			3,2	221		4.7.2	
	3,2	280			3,2	280		4.7.3	
	3,2	295			3,2	295		4.7.3	
	1,7	791			1,7	91		4.8	
	7	17				17		4.12	
	8	09			80	09		4.17	
	7,4	140			6,2	220		4.19	
	5,0	000				4.20			
	2,5	599		2,599			4.21	Ī	
90	20	00	2.440	90	20	10	1.370	4.22	DIMENSIONS
Apron pin (85 mr	n) type	side shift	Apron pin	(85 mn	n) type	side shift	4.23	
	2,5	500			2,5	500		4.24	
470			2,420	470			2,420	4.25	
		05		205				4.30	
	1	78		178				4.31	
	3	41		341				4.32	
2,400			2,400	1,200 1,200			1,200	4.33.1	
		075				375		4.34.1.1	
		075				375		4.34.1.2	
	8,6	663			7,3	343		4.34.1.3	
1,930			1,830	1,200			800	4.33.2	
7,305			6,2			4.34.2.1			
7,505				175		4.34.2.2			
		036				903		4.34.2.3	
		584				84		4.35	
	1,8	390			1,8	90		4.36	
26.6			28 1	26.6			28 1	5.1	

26.6	28.1	26.6	28.1	5.1	
0.36	0.41	0.36	0.41	5.2	2
0.50	0.48	0.50	0.48	5.3	콩
113	114	111	114	5.5	PERFORMANCE DATA
126	127	124	127	5.6	
42	38	33	34	5.7	Ë
48	38	37	34	5.7	5
6.3	5.5	6.3	5.5	5.7	

2	2	9	7.5		
19	1.5	19	9.5	10.1	
10	00	1	00	10.2	
14	10	1	40	10.3	
15	58	1	10.4		
1	9	1	10.4.1	1	
Hydraulic po	wer steering	Hydraulic po	10.5	Ē	
3	.7	3	10.6	ADDITIONAL DATA	
72	2.8	7:	10.7	-	
10	8.5	10	10.7.1		
Yes	Pin	Yes	Pin	10.8	

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.

- Weights are based on the following specifications: Complete truck with cab, pneumatic tyres, mast, carriage and forks.
- ◆ Unladen with new tyres
- ¶ Bottom of forks
- +/- 3% tolerance depend on tyre inflated pressure / or tyre brand.
- Full suspension seat in depressed position.
- Add 50 mm with load backrest
- ✓ Optional equipment
- Stacking aisle width is based on the VDI 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.
- Distance centre truck to centre of internal turning radius.
- Travel speed laden/unladen limited at 25 km/h as factory default.
- † Gradeability figures 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.
- ₩ At 1.6 km/h
- At stall
- Measured according to the test cycles and based on the weighted values contained in EN12053.
- ☐ Engine data based on low mount exhaust.
- Data available on request, as values are dependent on application.

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.

C ← Safety:

This truck conforms to the current EU requirements.

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MAST AND CAPACITY INFORMATION

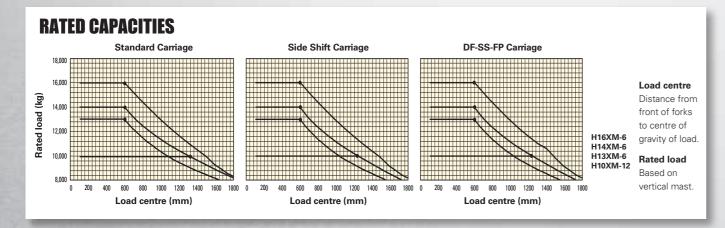
H13-16XM-6 RATED CAPACITY KG@ 600 MM LOAD CENTRE

	Lift	Lowered height	Free lift Extended Without Sideshift (kg) With Sideshift (kg)		Without Sideshift (kg)		th Sideshift	h Sideshift (kg)		
	height h ₃ + s (mm)	h ₁ (mm)	h ₂ + s (mm)	h ₄ (mm)	H13XM-6	H14XM-6	H16XM-6	H13XM-6	H14XM-6	H16XM-6
	3750	3641	-	5470	13 500	14 500	16 400	13 000	14 000	16 000
- B	4650	4091	-	6370	13 500	14 500	16 400	13 000	14 000	16 000
Stage	5400	4466	-	7120	13 500	14 500	16 400	13 000	14 000	16 000
2	6200	4866	-	7920	13 500	14 500	16 400	13 000	14 000	16 000
	6700	5116	-	8420	13 280	14 280	16 180	12 760	13 760	15 740
	4400	3070	1390	6080	12 860	13 780	15 680	12 040	12 920	14 720
Stage FFL	5000	3270	1590	6680	12 800	13 720	15 600	11 980	12 860	14 660
3St	6000	3600	1920	7680	12 420	13 320	15 200	11 620	12 480	14 260
.,	7000	3940	2250	8680	11 840	12 740	14 600	11 080	11 940	13 700

H10XM-12 RATED CAPACITY KG @ 1200 MM LOAD CENTRE

	Lift	Lowered	Free lift	Extended	Without Sideshift (kg)	With Sideshift (kg)
	height h ₃ + s (mm)	height h ₁ (mm)	height h ₂ + s (mm)	height h ₄ (mm)	H10XM-12	H10XM-12
	3750	3641	-	5470	10 200	10000
e .	4650	4091	-	6370	10 200	10000
Stage	5400	4466	-	7120	10 200	10000
7	6200	4866	-	7920	10 200	10000
	6700	5116	-	8420	10 040	9840
	4400	3070	1390	6080	9 840	9340
Stage FFL	5000	3270	1590	6680	9 800	9300
3 St	6000	3600	1920	7680	9 520	9020
	7000	3940	2250	8680	9 100	8620

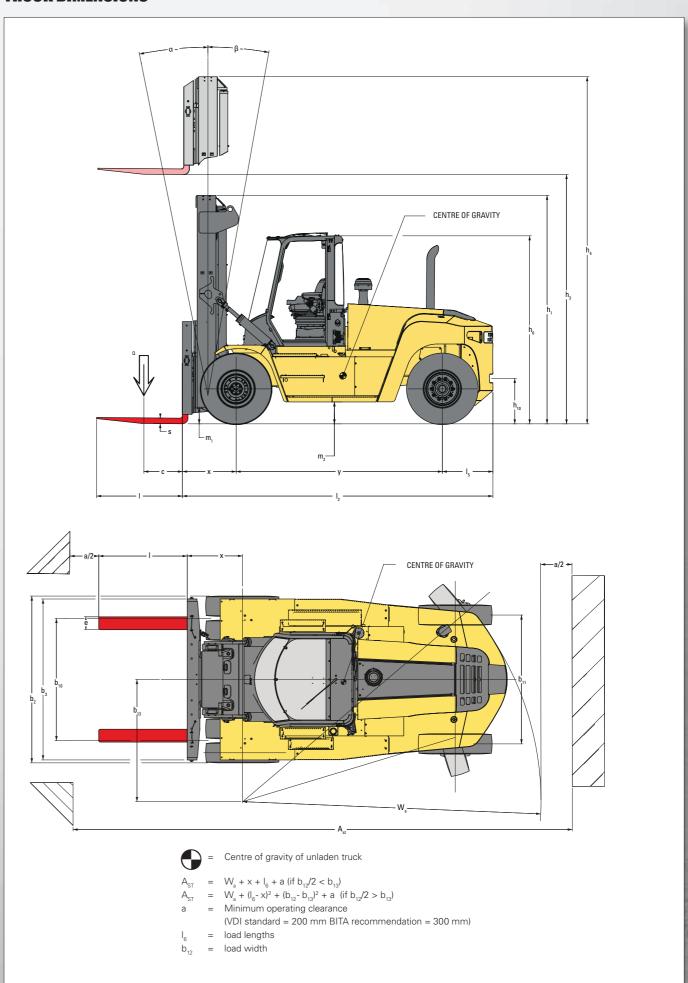
Standard 2-stage NFL mast main VDI table



POWERTRAINS

GUISHING	1.1	Manufacturer (abbreviation)	HYSTER			
	1.2	Manufacturer's type designation		H13-1	6XM-6	
	1.3	Drive: electric (battery or mains), diesel, petrol, fuel gas		Die	sel	
р.		THE RESERVE OF THE PARTY OF THE				
	7.1	Engine manufacturer / type		Cummins	QSB 6.7	
	7.2	Engine power according to ISO 1585	kW / min ⁻¹	122	2,300	
	7.2.1	Max. engine power according to ISO 1585	kW / min ⁻¹	125	2,100	
書	7.3	Rated speed	min-1	2,300		
COMBUSTION-ENGINE	7.3.1	Torque at 1/min	Nm / min ⁻¹	732	1,500	
	7.4	Number of cylinders / displacement	(-) / cm ³	6	6,700	
8	7.8	Alternator	А	1:	20	
8	7.10	Battery voltage / nominal capacity	(V) / (Ah)	24	102	
7020	200					
	8.1	Type of drive unit		Torque 0	onverter	
HAN.	8.2	Transmission manufacturer / type		ZF	3 WG 161	
	8.6	Wheel drive / drive axle manufacturer / type		Axle Tech	PRC 785	
	8.11	Service brake		Oil imme	rsed disc	
	8.12	Parking brake		Dry disc o	n drive axle	

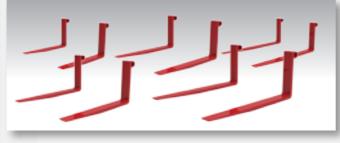
TRUCK DIMENSIONS



FRONT END EQUIPMENT



Range of 2 stage NFL masts



Pin type and Apron pin type forks



Standard 2.500 mm Pin type carriage



2.500 mm Pin Type carriage Fork Positioner – Simultaneous Fork Control



2.500 mm Pin Type carriage Fork Positioner – Individual Fork Control



2.500 mm Apron Pin Type Side shift carriage



2.500 mm Apron Pin Type Side shift carriage with Fork Positioner – Simultaneous Fork Control



2.500 mm Apron Pin Type Side shift carriage with Fork Positioner – Individual Fork Control

STANDARD EQUIPMENT

- Cummins QSB 6.7 122 kW / max 125 kW@ 2.300–2.100 rpm Turbo Diesel Engine
- Stage IV Compliant
- ECO-eLo / HiP performance modes
- Hibernate Idle
- Cooling fan with fan clutch
- ZFWG 161 3 speed Hydrodynamic Transmission
- 2-Stage NFL Mast with maximum fork height of 6700 mm
- Standard 2.500 mm Pin type carriage
- Oil-immersed Brakes
- SAUER-DANFOSS dual piston variable displacement pump 120 ccm (60 + 60 ccm)
- Axle Tech PRC 785 Drive axle with oil-immersed disc brake system
- Up to 3-way hydraulic controls with Levers and Switches combination
- Mast Tilt: 15° Forward / 12° Back
- Directional Control Lever
- Overhead Guard Featuring:
- Seat-Side Hydraulic Control

- Multifunction Display Panel
- Interior Wide Angle Mirrors
- -Telescoping & Tilting Steering Column
- Floor Mat
- Isolated Mounting for Low Noise and Vibration
- Handrails for Operator Entry and Exit
- Enclosed Cab without Air Conditioning featuring:
- Seat-Side Hydraulic Control Levers
- Multifunction Display Panel
- Interior Wide Angle Mirrors
- Telescoping & Tilting Steering Column
- I-style Front screen Wiper
- Floor Mat
- 24-12 V DC/DC Converter
- -Top & Rear Wipers
- Heater
- Re-circulation Fan
- Tyres Drive and Steer
 - 12.00-20 20PR Trelleborg T-900 pneumatics

STANDARD EQUIPMENT (cont.)

- Front and Rear Mud Flaps
- Steering Wheel with Spinner Knob
- Electric Horn
- Mechanical, Full Suspension Vinyl or Cloth Seat with integrated adjustable armrest and orange Hi-Vis seat belt
- Air Intake with Sy-Klone pre cleaner and Rain Cap
- High mount exhaust
- 24 V Electrical System
- 120 Amp Alternator

- Manual Tilt Operator Compartment for Service Access
- Light Kit 1:
- LED rear cluster with stop, reverse and direction light
- LED direction and position light with hazard function
- Non-locking Fuel Cap
- Literature Package
- Operator's Manual
- Warranty
 - 12 Months / 2,000 Hours Manufacturer's Warranty

OPTIONAL EQUIPMENT

- 2-Stage NFL Masts with maximum fork heights up to 6700 mm
- 2-Stage FFL Masts with maximum fork heights up to 7000 mm (SPED)
- 3-Stage FFL Masts with maximum fork heights up to 7000 mm
- Carriages for 2 Stage NFL, 2 Stage FFL and 3 stage FFL masts
 - 2.500 mm Pin Type carriage Fork Positioner
 - Simultaneous Fork Control
 - 2.500 mm Pin Type carriage Fork Positioner
 - Individual Fork Control
 - 2.500 mm Apron Pin Type Side shift carriage
- 2.500 mm Apron Pin Type Side shift carriage with Fork Positioner Simultaneous Fork Control
- 2.500 mm Apron Pin Type Side shift carriage with Fork Positioner Individual Fork Control
- Up to 6-way hydraulic controls with 4 levers 2 switches combination, with and without clamp function
- Hydraulic Control 5 function Joystick
- Mast Tilt:
 - 20.5° Forward / 7° Back
 - 5° Forward / 12° Back
- MONOTROL[™] Pedal
- Tyres Drive and Steer
 - 12.00-R20 MICHELIN XZM radial
 - 12.00-20 Trelleborg Elite XP solids
 - 12.00-R20 Trelleborg Radial pneumatics
- Steer Wheel Nut Protection
- Enclosed Cab with Air Conditioning includes:
 - Seat-Side Hydraulic Control Levers
- Multifunction Display Panel
- Interior Wide Angle Mirrors
- Telescoping & Tilting Steering Column
- I-style Front screen Wiper
- Floor Mat
- 24-12 V DC/DC Converter
- -Top & Rear Wipers
- Heater
- Re-circulation Fan
- Enclosed Cab options
- -Top and rear sun shades
- H-style Front screen Wiper
- Temperature controller

- Air conditioner, manual controlled
- Air conditioner, automatically controlled
- High Performance Air conditioner, manual controlled
- High Performance Air conditioner, automatically controlled
- Reading light
- -Trainer seat
- IT console for on-board computer
- Storage console
- Heated top window
- Engine start interlock
- Radio preparation, inclusive wire, two speakers and antenna
- Rain top for OHG
- -Wire mesh protection guard on Top of cab
- External Mirror right and left
- Seats
- Mechanical, Full Suspension High backrest Vinyl or Cloth Seat
- Pneumatic, Full Suspension Vinyl or Cloth Seat
- Pneumatic, Full Suspension High backrest Vinyl
- Deluxe Air Suspended Full Suspension Cloth Seat
- Heated Deluxe Air Suspended Full Suspension Cloth Seat
- 3-point seat belt for Deluxe Seat
- High mount Air Intake
- Powered Tilt Operator Compartment
- Lockable Battery Disconnect Switch
- Low mount exhaust
- Various Light Kits
- Amber strobe light- Ignition key and switch activated
- Self-adjustable back up Alarm volume > 5dB(A) ambient
- Hydraulic Accumulator
- Lockable diesel fuel cap
- Lifting eye shackles
- Engine Block Heater (230V)
- Traction Speed Limiter
- Automatic Engine Shutdown
- Hydraulic temperature protection
- Pressure compensated lowering

Other options available through

Special Products Engineering Development (SPED).

Hyster Tracker Wireless Asset Management system

Contact Hyster for details.

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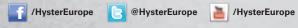
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