



**STRONG PARTNERS.  
TOUGH TRUCKS.™**



# **HIGH CAPACITY FORKLIFT TRUCKS**

**H8-12XM-6**

**8 000 – 12 000 KG @ 600MM**



# H8-12XM-6

DISTINGUISHING MARKS	1.1	Manufacturer
	1.2	Manufacturer's type designation
	1.3	Drive: electric (battery or mains), diesel, petrol, LPG
	1.4	Operator type: hand, pedestrian, standing, seated, order-picker
	1.5	Rated capacity / rated load Q (t)
	1.6	Load centre distance c (mm)
	1.8	Load distance, centre of drive axle to fork x (mm)
	1.9	Wheelbase y (mm)

WEIGHTS	2.1	Service weight ◊
	2.2	Axle loading, laden front/rear kg
	2.3	Axle loading, unladen front/rear kg

TYRES & CHASSIS	3.1	Tyres: L = pneumatic, V = solid, SE = pneumatic-shaped solid
	3.2	Tyre size, front
	3.3	Tyre size, rear
	3.5	Wheels, number front / rear (x = driven wheels)
	3.6	Tread, front b <sub>10</sub> (mm)
	3.7	Tread, rear b <sub>11</sub> (mm)

DIMENSIONS	4.1	Tilt of mast/fork carriage forward/backward α / β (°)
	4.2	Height, mast lowered † h <sub>1</sub> (mm)
	4.3	Free lift h <sub>2</sub> (mm)
	4.4	Lift † h <sub>3</sub> (mm)
	4.5	Height, mast extended h <sub>4</sub> (mm)
	4.7	Height of overhead guard ■ h <sub>5</sub> (mm)
	4.7.1	Height of closed cabin without / with aircon h <sub>6</sub> (mm)
	4.7.2	Height of closed cabin with strobe light h <sub>7</sub> (mm)
	4.7.3	Height of closed cab with work lights h <sub>8</sub> (mm)
	4.7.4	Height of closed cab with aircon and strobe light h <sub>9</sub> (mm)
	4.8	Seat height relating to SIP ● h <sub>10</sub> (mm)
	4.12	Coupling height h <sub>12</sub> (mm)
	4.17	Overhang l <sub>1</sub> (mm)
	4.19	Overall length l <sub>2</sub> (mm)
	4.20	Length to face of forks l <sub>3</sub> (mm)
	4.21	Overall width across all b <sub>1</sub> (mm)
	4.22	Fork dimensions ISO 2331 s/e/l (mm)
	4.23	Fork carriage type
	4.24	Fork carriage width ● b <sub>2</sub> (mm)
	4.25	Distance over fork arms, minimum / maximum ✓ b <sub>3</sub> (mm)
	4.30	Sideshift @ width over forks b <sub>4</sub> / b <sub>5</sub> (mm)
	4.31	Ground clearance, laden, below mast m <sub>1</sub> (mm)
	4.32	Ground clearance, centre of wheelbase m <sub>2</sub> (mm)
	4.33.1	Load dimension b <sub>12</sub> × l <sub>4</sub> crossways b <sub>12</sub> × l <sub>4</sub> (mm)
	4.34.1.1	Aisle width for pallets 1200 × 1200 crossways without operating clearance A <sub>11</sub> (mm)
	4.34.1.2	Aisle width for pallets 1200 × 1200 crossways with 200 mm operating clearance ◆ A <sub>12</sub> (mm)
	4.34.1.3	Aisle width for pallets 1200 × 1200 crossways with 10% operating clearance A <sub>13</sub> (mm)
	4.33.2	Load dimension b <sub>12</sub> × l <sub>4</sub> crossways b <sub>12</sub> × l <sub>4</sub> (mm)
4.34.2.1	Aisle width for pallets 1200 × 800 crossways without operating clearance A <sub>21</sub> (mm)	
4.34.2.2	Aisle width for pallets 1200 × 800 crossways with 200 mm operating clearance ◆ A <sub>22</sub> (mm)	
4.34.2.3	Aisle width for pallets 1200 × 800 crossways with 10% operating clearance A <sub>23</sub> (mm)	
4.35	Turning radius W <sub>1</sub> (mm)	
4.36	Internal turning radius ⊙ b <sub>13</sub> (mm)	

PERFORMANCE DATA	5.1	Travel speed, laden / unladen * km/h
	5.2	Lift speed, laden / unladen † m/s
	5.2.1	Lift speed, laden / unladen †† m/s
	5.3	Lowering speed, laden / unladen m/s
	5.5	Drawbar pull, laden / unladen ‡ kN
	5.6	Maximum drawbar pull, laden / unladen kN
	5.7	Gradeability, laden / unladen † %
	5.7	Gradeability, laden / unladen ◊ %
	5.9	Acceleration time, laden/unladen s

7.5	Fuel consumption according VDI cycle ○ l/h or kg/h
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ADDITIONAL DATA	10.1	Working pressure for attachments Mpa
	10.2	Oil volume for attachments l/min
	10.3	Hydraulic oil tank, capacity l
	10.4	Fuel tank, capacity l
	10.5	Steering design
	10.6	Number of steering rotation
	10.7	Sound pressure level at the driver's seat L <sub>PAZ</sub> * dB (A)
	10.7.1	Sound power level during the workcycle L <sub>WAZ</sub> * dB (A)
10.8	Towing coupling, type DIN	

HYSTER		HYSTER		HYSTER	
H8XM-6		H9XM-6		H10XMS-6	
Diesel		Diesel		Diesel	
Seated		Seated		Seated	
8.0		9.0		10.0	
600		600		600	
795		795		817	
2,700		2,700		2,700	

13,385		13,700		15,522	
19,491		1,894		20,972	
7,357		6,028		7,322	
		6,378		8,066	
				7,456	

L		L		L	
9.00-20 14PR		9.00-20 14PR		10.00-20 16PR	
9.00-20 14PR		9.00-20 14PR		10.00-20 16PR	
4x 2		4x 2		4x 2	
1,826		1,826		1,826	
1,930		1,930		1,930	

15		12		15		12		15		12	
4,155		4,155		4,453		4,453		4,453		4,453	
-		-		-		-		-		-	
5,336		5,336		5,336		5,336		5,336		5,336	
6,823		6,823		7,121		7,121		7,121		7,121	
2,997		2,997		3,021		3,021		3,021		3,021	
3,033		3,066		3,033		3,066		3,057		3,090	
3,165		3,165		3,189		3,189		3,189		3,189	
3,224		3,224		3,248		3,248		3,248		3,248	
3,239		3,239		3,263		3,263		3,263		3,263	
1,742		1,742		1,760		1,760		1,760		1,760	
625		625		649		649		649		649	
809		809		809		809		809		809	
5,524		5,524		5,546		5,546		5,746		5,746	
4,304		4,304		4,326		4,326		4,526		4,526	
2,419		2,419		2,448		2,448		2,448		2,448	
75		200		1,220		75		200		1,220	
Apron pin (75 mm) type side shift		Apron pin (75 mm) type side shift		Apron pin (75 mm) type side shift		Apron pin (75 mm) type side shift		Apron pin (75 mm) type side shift		Apron pin (75 mm) type side shift	
2,350		2,350		2,350		2,350		2,350		2,350	
470		2,270		470		2,270		470		2,270	
153		153		153		153		153		153	
258		258		257		257		257		257	
249		249		273		273		273		273	
1,200		1,200		1,200		1,200		1,200		1,200	
5,921		5,921		5,943		5,943		6,128		6,128	
6,121		6,121		6,143		6,143		6,328		6,328	
6,513		6,513		6,537		6,537		6,741		6,741	
1,200		800		1,200		800		1,200		800	
5,521		5,521		5,543		5,543		5,728		5,728	
5,721		5,721		5,743		5,743		5,928		5,928	
6,073		6,073		6,097		6,097		6,301		6,301	
3,926		3,926		3,926		3,926		4,111		4,111	
1,498		1,498		1,498		1,498		1,545		1,545	

30.1		30.6		30.1		30.6		30.2		31.5	
0.47		0.51		0.47		0.51		0.36		0.39	
0.55		0.69		0.55		0.69		0.42		0.52	
0.50		0.48		0.50		0.48		0.50		0.48	
96		97		95		97		93		95	
107		109		107		109		103		105	
51		34		47		33		40		32	
52		34		52		33		52		32	
5.5		4.7		5.6		4.8		6.2		5.3	

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19.5		19.5		19.5	
100		100		100	
135		135		135	
104		104		104	
Hydraulic power steering		Hydraulic power steering		Hydraulic power steering	
3.7		3.7		3.7	
75.8		75.8		75.8	
108.5		108.5		108.5	
Yes / Pin		Yes / Pin		Yes / Pin	

HYSTER		HYSTER		DISTINGUISHING MARKS
H10XM-6		H12XM-6		
Diesel		Diesel		
Seated		Seated		
10.0		12.0		
600		600		
817		817		
2,900		2,900		

15,410		16,265		WEIGHTS		
23,048		2,362			25,929	2,336
8,162		7,248			8,199	

L		L		TYRES & CHASSIS
10.00-20 16PR		10.00-20 16PR		
10.00-20 16PR		10.00-20 16PR		
4x 2		4x 2		
1,826		1,826		
1,930		1,930		

15		12		15		12		15		12		DIMENSIONS
4,453		4,453		4,453		4,453		4,453		4,453		
-		-		-		-		-		-		
5,336		5,336		5,336		5,336		5,336		5,336		
7,121		7,121		7,121		7,121		7,121		7,121		
3,021		3,021		3,021		3,021		3,021		3,021		
3,057		3,090		3,057		3,090		3,057		3,090		
3,189		3,189		3,189		3,189		3,189		3,189		
3,248		3,248		3,248		3,248		3,248		3,248		
3,263		3,263		3,263		3,263		3,263		3,263		
1,760		1,760		1,760		1,760		1,760		1,760		
649		649		649		649		649		649		
809		809		809		809		809		809		
5,746		5,746		5,746		5,746		5,746		5,746		
4,526		4,526		4,526		4,526		4,526		4,526		
2,448		2,448		2,448		2,448		2,448		2,448		
75		200		1,220		75		200		1,220		
Apron pin (75 mm) type side shift		Apron pin (75 mm) type side shift		Apron pin (75 mm) type side shift		Apron pin (75 mm) type side shift		Apron pin (75 mm) type side shift		Apron pin (75 mm) type side shift		
2,350		2,350		2,350		2,350		2,350		2,350		
470		2,270		470		2,270		470		2,270		
153		153		153		153		153		153		
257		257		257		257		257		257		
273		273		273		273		273		273		
1,200		1,200		1,200		1,200		1,200		1,200		
6,128		6,128		6,128		6,128		6,128		6,128		
6,328		6,328		6,328		6,328		6,328		6,328		
6,741		6,741		6,741		6,741		6,741		6,741		
1,200		800		1,200		800		1,200		800		
5,728		5,728		5,728		5,728		5,728		5,728		
5,928		5,928		5,928		5,928		5,928		5,928		
6,301		6,301		6,301		6,301		6,301		6,301		
4,111		4,111		4,111		4,111		4,111		4,111		
1,545		1,545		1,545		1,545		1,545		1,545		

30.2		31.5		30.2		31.5		5.1	
0.36		0.39		0.36		0.39		5.2	
0.42		0.52		0.42		0.52		5.2.1	
0.50		0.48		0.50		0.48		5.3	
93		95		92		95		5.5	
103		105		103		105		5.6	
40		34		35		31		5.7	
45		34		40		31		5.7	
6.2		5.3		6.2		6.1		5.9	

☎		☎		☎		PERFORMANCE DATA
☎		☎		☎		

19.5		19.5		19.5		ADDITIONAL DATA
100		100		100		
135		135		135		
137		137		137		
Hydraulic power steering		Hydraulic power steering		Hydraulic power steering		
3.7		3.7		3.7		
75.8		75.8		75.8		
108.5		108.5		108.5		
Yes / Pin		Yes / Pin		Yes / Pin		

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: H8-9XM-6: Complete truck with open operator compartment module, with 5336 mm BOF (5400 mm TOF) 2-stage NFL mast, 2350 mm wide Integral Sideshift carriage and 1220 mm long forks.

H10-12XM-6: Complete truck with open operator compartment module, with 5336 mm BOF (5400 mm TOF) 2-stage NFL mast, 2350 mm wide Integral Sideshift carriage and 1220 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

# MAST AND CAPACITY INFORMATION

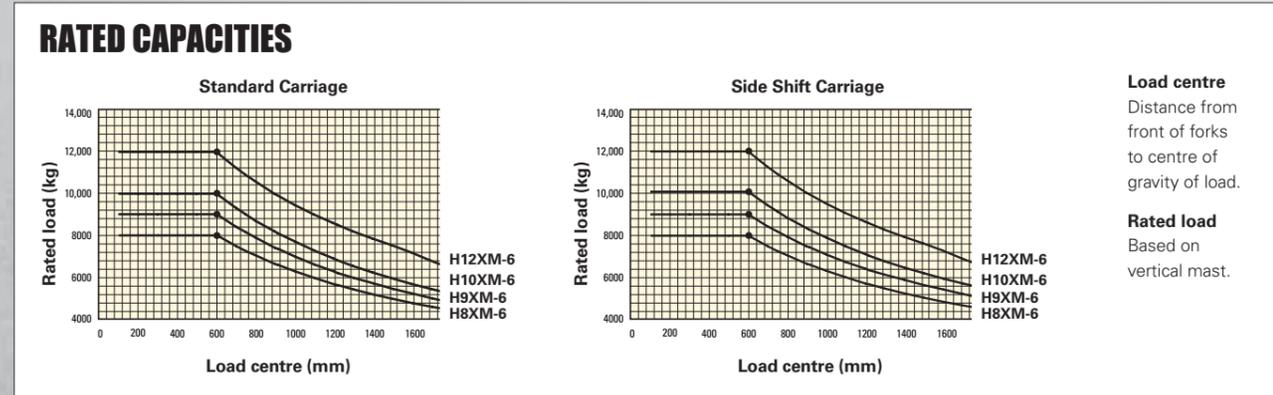
## H8-9XM-6 RATED CAPACITY KG @ 600 MM LOAD CENTRE

	Lift height $h_3 + s$ (mm)	Lowered height $h_1$ (mm)	Free lift height $h_2 + s$ (mm)	Overall extended height $h_4$ (mm)	Without Sideshift (kg)		With Sideshift (kg)	
					H8XM-6	H9XM-6	H8XM-6	H9XM-6
2 Stage NFL	3761	3329 ★	-	5172 ★	8 500	9 600	8 000	9 000
	4661	3779 ★	-	6072 ★	8 500	9 600	8 000	9 000
	5411	4155 ★	-	6822 ★	8 500	9 600	8 000	9 000
3 Stage FFL	5600	3021 ★	1411	7006 ★	7 260	8 160	7020	7900
	6000	3154 ★	1544	7406 ★	7 120	8 000	6880	7760
	6500	3321 ★	1711	7906 ★	6 940	7 820	6720	7580
	7000	3487 ★	1877	8406 ★	6 740	7 620	6520	7380

## H10-12XM(S)-6 RATED CAPACITY KG @ 600 MM LOAD CENTRE

	Lift height $h_3 + s$ (mm)	Lowered height $h_1$ (mm)	Free lift height $h_2 + s$ (mm)	Overall extended height $h_4$ (mm)	Without Sideshift (kg)			With Sideshift (kg)		
					H10XM-6	H10XMS-6	H12XM-6	H10XM-6	H10XMS-6	H12XM-6
2 Stage NFL	3761	3628	-	5471	10 600	10 600	12 700	10 000	10 000	12 000
	4661	4078	-	6371	10 600	10 600	12 700	10 000	10 000	12 000
	5411	4453	-	7121	10 600	10 600	12 700	10 000	10 000	12 000
	6205	4853	-	7918	10 600	10 600	12 700	10 000	10 000	12 000
	6705	5103	-	8418	10 400	10 400	12 240	9 700	9 700	11 700
3 Stage FFL	5600	3045	1436	7030	10 060	9 440	11 240	9 180	9 180	11 460
	6000	3178	1570	7430	9 900	9 300	11 240	9 020	9 020	11 300
	6500	3345	1735	7930	9 680	9 100	11 020	8 840	8 840	11 080
	7000	3511	1900	8430	9 640	8 880	10 780	8 620	8 620	10 780

Standard 2-stage NFL mast main VDI table



# POWERTRAINS

DISTINGUISHING FEATURES	1.1 Manufacturer (abbreviation)	1.2 Manufacturer's type designation	1.3 Drive: electric (battery or mains), diesel, petrol, fuel gas
	HYSTER	H8-12XM-6	Diesel

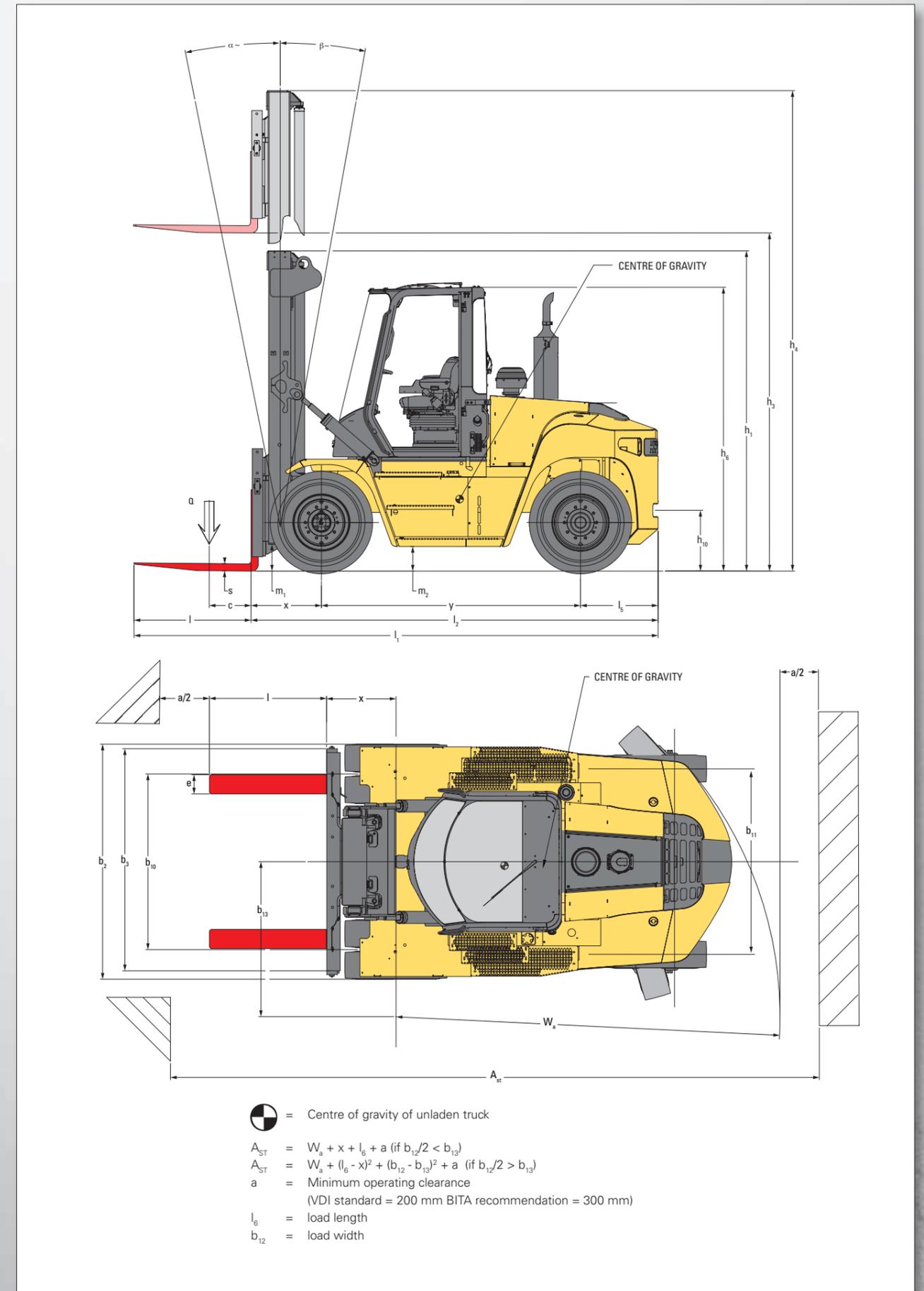
  

POWER UNIT	7.1 Engine manufacturer / type	7.2 Engine output according to ISO 1585	7.2.1 Max. engine power according to ISO 1585	7.3 Rated speed	7.3.1 Torque at 1/min	7.4 Number of cylinders / displacement	7.5.2 Alternator	7.10 Battery voltage/nominal capacity
	Cummins	116	116	2,300	597	6	120	24
	QSB 6.7	2,300	2,300	2,300	1,500	6,700	102	102

DRIVE TRAIN	8.1 Type of drive unit	8.2 Transmission manufacturer / type	8.6 Wheel drive / drive axle manufacturer / type	8.11 Service brake	8.12 Parking brake
	Torque Converter	ZF	Axle Tech	Oil immersed disc	Dry disc on drive axle
		3 WG 161	PRC 485		

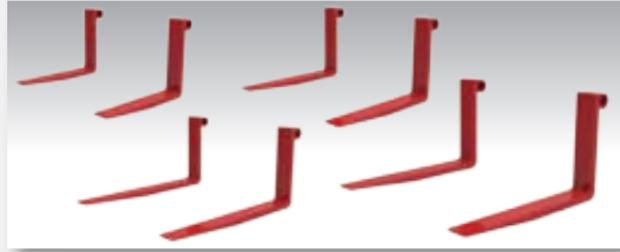
# TRUCK DIMENSIONS



## FRONT END EQUIPMENT



Range of 2 stage NFL masts



Range of Pin type forks



Standard 2.350 mm Pin type carriage



2.350 mm Pin Type carriage Fork Positioner – Independent and Simultaneous Fork Control



2.350 mm Apron Pin Type Side shift carriage



2.350 mm Apron Pin Type Side shift carriage with Fork Positioner – Independent and Simultaneous Fork Control

## STANDARD EQUIPMENT

- Cummins QSB 6.7 116 kW @ 2.300 Turbo Diesel Engine
  - Stage III Compliant
- ZF WG 161 3 speed Hydrodynamic Transmission
- 2-Stage NFL Mast with maximum fork height of 3750mm
- Standard 2.350 mm Pin type carriage
- Oil-immersed Brakes
- SAUER-DANFOSS single variable displacement pump 90 ccm
- Axle Tech PRC 485 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

- Tyres – Drive and Steer
  - 9.00-20 14PR Standard pneumatic (H8-9XM)
  - 10.00-20 16PR Standard pneumatic (H10-12XM)
- 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
- High-mount Exhaust
- 24V Electrical System
- 120 Amp Alternator
- Manual Tilt Operator Compartment for Service Access
- Light Kit 2:
  - LED rear cluster with stop, reverse and direction light
  - 2 x Halogen working lights mounted on mast
  - 2 x Halogen drive lights, 2 LED direction / marker lights mounted on front fender
  - 2 x Halogen working lights mounted rear of the cab
- 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 6700mm
- 2-Stage FFL Masts with maximum fork heights up to 7000mm (SPED)
- 3-Stage FFL Masts with maximum fork heights up to 7000mm
- Carriages for 2 Stage NFL, 2Stage FFL and 3 stage FFL masts
  - 2.350 mm Pin Type carriage Fork Positioner – Simultaneous Fork Control
  - 2.350 mm Pin Type carriage Fork Positioner – Individual Fork Control
  - 2.350 mm Apron Pin Type Side shift carriage
  - 2.350 mm Apron Pin Type Side shift carriage with Fork Positioner – Simultaneous Fork Control
  - 2.350 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
  - 9.00-R20 MICHELIN radial
  - 9.00-20 Trelleborg Elite XP solids
  - 10.00-20 16PR Standard pneumatic
  - 10.00-R20 Michelin radial
  - 10.00-20 Trelleborg Elite XP solids
  - 10.00-R20 Trelleborg radial
- Front and Rear Mud Flaps
- Steer Wheel Nut Protection
- Enclosed Cab with or without 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
  - Top & Rear Wipers
  - Heater
  - Re-circulation Fan
- Enclosed Cab options
  - Top and rear sun shades
  - 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
  - H-style Front screen Wiper
  - 24-12V DC/DC Converter
  - 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 or Cloth Seat
  - Deluxe Air Suspended Full Suspension Cloth Seat
  - Heated Deluxe Air Suspended Full Suspension Cloth Seat
- 3-point seat belt for Deluxe Seat
- Powered Tilt Operator Compartment
- Lockable Battery Disconnect Switch
- Low-mount exhaust
- SAUER-DANFOSS dual piston variable displacement pump 120 ccm (60 + 60 ccm)
- Various Light Kits
- Battery master switch, lockable
- 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
- Hyster Tracker Wireless Asset Management system

Other options available through Special Products Engineering Development (SPED). Contact Hyster for details.

# 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

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