H6.00-7.00XL

LPG and diesel powered forklifts. 6 000 to 7 000 kg @ 600 mm

Built to last

The Hyster H6.00-7.00 tonne models are built to perform in heavy duty applications, offering durability and power combined with outstanding operator comfort. Trucks that meet your needs for high productivity, economy and ease of service.

A superior working environment

The driver's compartment features easy on/off access, ample leg room, well positioned control levers and a contoured, adjustable seat which allows the operator to select the most comfortable driving position.

Hydrostatic power steering, the optional Monotrol directional/speed control pedal and clear instrumentation contribute to optimum productivity and reduced work cycle times.

The H6.00-7.00XL truck models are also remarkably quiet. All main operating components are designed to minimise noise levels and are isolated from the frame for low vibration.

Driving performance

The series offers a choice of a Perkins 1004.42 engine diesel engine or a GM V6-4.3L LPG engine with Impco fuel system. Both engines are designed for fuel economy and low levels of emissions, with easy maintenance. Maximum torque of 290 Nm is produced at just 1 300 rpm on the diesel engine, and maximum torque of 215 Nm at 1 400 rpm on the LPG engine.

The two speed Hyster Powershift transmission provides excellent tractive and travel speed performance to promote reduced cycle times, and the inch-brake pedal offers extra controllability during stacking operations.

Designed for low maintenance

Heavy duty, 77,5 mm fin radiator with transmission oil cooler combined with pusher type fan reduces engine wear and promotes longer service intervals.

Easy to read dash display includes indicators for engine coolant and transmission oil temperatures, oil pressure and alternator output.

The wide frame design improves access to major components when required, whilst the hoods are designed for simple opening to speed up routine maintenance tasks. Daily checks can be completed in under 5 minutes.

Masts

The range of Vista 2-stage limited and 3-stage full free lift masts are designed for good visibility and smooth, durable operation. For reliability and protection all hoses are routed inside the mast construction. Hyster full free lift masts have hydraulic cushioning for optimal load control and reduced noise.

H6.00XL, H7.00XL

Section	No.	Item	Unit	H6.00XL Diesel	H6.00XL LPG	H7.00XL Diesel	H7.00XL LPG
CHARACTERISTICS	1.1	Manufacturer		HYSTER	HYSTER	HYSTER	HYSTER
	1.2	Model designation		H6.00XL	H6.00XL	H7.00XL	H7.00XL
	1.3	Power: battery, diesel, LPG, electric mains		Diesel	LPG	Diesel	LPG
	1.4	Operation: manual, pedestrian, stand, seat, orderpicker		Seat	Seat	Seat	Seat
	1.5	Load capacity	Q (kg)	6 000	6 000	7 000	7 000
	1.6	Load centre	c (mm)	600	600	600	600
	1.8	Load distance	x (mm)	580	580	580	580
	1.9	Wheelbase	y (mm)	2 240	2 240	2 240	2 240
WEIGHT	2.1	Unladen weight	kg	8 260	8 180	8 780	8 700
	2.2	Axle loading with load, front/rear	kg	12 820 / 1 440	12 800 / 1 380	14 190 / 1 590	14 170 / 1 530
	2.3	Axle loading without load, front/rear	kg	3 650 / 4 610	3 630 / 4 550	3 500 / 5 280	3 470 / 5 230
WHEELS & TYRES	3.1	Tyres: L = pneumatic, V = solid, SE = pneumatic-shaped solid		L	L	L	L
	3.2	Tyre size, front		8,25 x 15 12PR	8,25 x 15 12PR	8,25 x 15 12PR	8,25 x 15 12PR
	3.3	Tyre size, rear		8,25 x 15 12PR	8,25 x 15 12PR	8,25 x 15 12PR	8,25 x 15 12PR
	3.5	Number of wheels, front/rear (X = driven)		4X / 2	4X / 2	4X / 2	4X / 3
	3.6	Track width, front	b_{10} (mm)	1 850	1 850	1 850	1 850
	3.7	Track width, rear	b_{11} (mm)	1 540	1 540	1 540	1 540
DIMENSIONS	4.1	Mast tilt, α = forward/β = back	degrees	5 / 10	5 / 10	5 / 10	5 / 10
	4.2	Height of mast, lowered	h_1 (mm)	3 740	3 740	3 740	3 740
	4.3	Free lift ¶	h_2 (mm)	100	100	100	100
	4.4	Lift height ¶	h_3 (mm)	5 340	5 340	5 340	5 340
	4.5	Height of mast, extended with/without load backrest extension	h_4 (mm)	6 950 / 6 610	6 950 / 6 610	6 950 / 6 610	6 950 / 6 610
	4.7	Overhead guard height	h_6 (mm)	2 310	2 310	2 310	2 310
	4.8	Seat height	h_7 (mm)	1 190	1 190	1 190	1 190
	4.12	Towing coupling height	h_{10} (mm)	-	-	-	-
	4.19	Overall length	l_1 (mm)	-	-	-	-
	4.20	Length to face of forks	l_2 (mm)	3 610	3 610	3 690	3 690
	4.21	Overall width	b_1 (mm)	2 110	2 110	2 110	2 110
	4.22	Fork dimensions	s/e/l (mm)	60 / 150 / 1 200	60 / 150 / 1 200	60 / 150 / 1 200	60 / 150 / 1 200
	4.23	Fork carriage DIN 15173, Class, A/B		-	-	-	-
	4.24	Fork carriage width ●	b_3 (mm)	-	-	-	-
	4.31	Ground clearance under mast, with load	m_1 (mm)	156	156	156	156
	4.32	Ground clearance, centre of wheelbase	m_2 (mm)	253	253	253	253
	4.33	Aisle width with pallets 1 000 mm x 1 200 mm wide ◆	Ast (mm)	4 900	4 900	4 970	4 970
	4.34	Aisle width with pallets 800 mm x 1 200 mm long ◆	Ast (mm)	5 100	5 100	5 170	5 170
	4.35	Outer turning radius	W_a (mm)	3 320	3 320	3 390	3 390
PERFORMANCE	5.1	Travel speed with/without load	km/h	23,0 / 23,3	23,0 / 23,3	23,7 / 24,0	23,7 / 24,0
	5.2	Lifting speed with/without load	m/sec	0,41 / 0,44	0,41 / 0,44	0,41 / 0,44	0,41 / 0,44
	5.3	Lowering speed with/without load	m/sec	0,58 / 0,53	0,58 / 0,53	0,58 / 0,53	0,58 / 0,53
	5.5	Drawbar pull with/without load	N	330 / 271	344 / 270	327 / 258	342 / 257
	5.7	Gradeability with/without load †	%	24 / 26	27 / 27	22 / 24	23 / 24
	5.9	Acceleration time with/without load	s	-	-	-	-
	5.10	Service brake		Hydraulic	Hydraulic	Hydraulic	Hydraulic
ENGINE	7.1	Engine manufacturer/type		Perkins / 1004.42	GM / V6-4.3L	Perkins / 1004.42	GM / V6-4.3L
	7.2	Engine output in accordance with ISO 1585	kW	61,5	65,2	61,5	65,2
	7.3	Governed speed	rpm	2 400	2 500	2 400	2 500
	7.4	Number of cylinders/displacements	cm³	4 / 3 990	6 / 4 300	4 / 3 990	6 / 4 300
	7.5	Fuel consumption in accordance with VDI cycle	l/h	4,3	10,6	4,4	10,9
OTHER	8.1	Drive control		Torque Converter	Torque Converter	Torque Converter	Torque Converter
	8.2	Working pressure for attachments	bar	155	155	155	155
	8.3	Oil flow for attachments		-	-	-	-
	8.4	Average noise level at operator's ear (Lpaz), without cab ❍	dB (A)	85	85	85	85
		Guaranteed sound power (Lwaz) ❍	dB	112	112	112	112
	8.5	Towing coupling type		Pin	Pin	Pin	Pin

Equipment and weight:

Weights (line 2.1) are based on the following specifications:

Complete truck Perkins 1004.42 diesel engine. Powershift transmission, 5 400 mm Vista 2-stage limited free lift mast, 1 530 mm pin type carriage, 1 200 mm forks standard drive and standard pneumatic drive and steer tyres, overhead guard and load backrest extension.

Fuel tank capacity:

LPG:	☎
Diesel:	87 litres

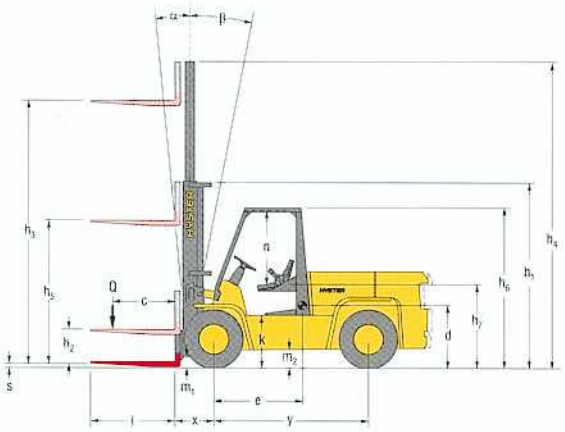
Forks:

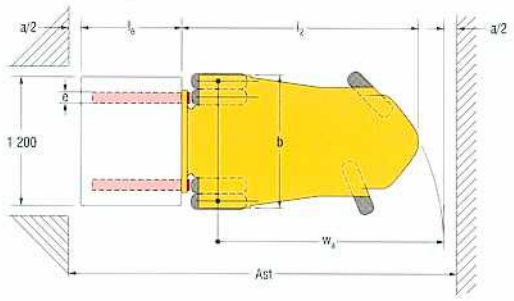
H6.00XL:	60 x 150 x 1 200 to 2 400 mm long
H7.00XL:	60 x 150 x 1 200 to 2 400 mm long

Fork spacing:

Inside to inside, minimum:	60 mm	505 mm
Outside to outside, maximum:	1 460 mm	1 920 mm

Truck dimensions





= Centre of gravity of unladen truck

Ast = W_a + x + l_6 + a (see lines 4.33 & 4.34)

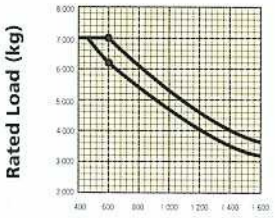
a = Minimum operating clearance

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

l_6 = Load length

Model		H6.00XL	H7.00XL
Load moment cm-kg		728 200	836 100
Dimensions (mm)	d	1 010	1 000
	e	1 250	1 350
	k	755	770
	n	1 075	1 075

Rated capacities



H7.00XL
H6.00XL

Load Centre

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

Rated Load

Based on vertical masts as shown left.

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

- ● Add 30 mm with load backrest extension
- ¶ Bottom of forks
- ◆ Stacking aisle width (lines 4.33 & 4.34) are based on the V.D.I. standard calculation as shown on illustration. The British Industrial Truck Association recommends the addition of 100 mm to the total clearance (dimension a) for extra operating margin at the rear of the truck.
- † Gradeability figures (line 5.7) 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.
- ❍ Noise level measured according to 2000/14/EC directive and are based on the weighting values contained in EN12053.

Mast tables:

- ◗ Lowered height lower than overhead guard height
- ❖ Add 420 mm with load backrest extension
- ❑ Deduct 420 mm with load backrest extension
- ☎ 19,5 kg capacity tank with integral fuel gauge available on request.

  Consult your Hyster lift truck dealer.

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

Vista masts H6.00-7.00XL - Rated capacity kg @ 600 mm load centre

	Pneumatic shaped solid tyres							
	Maximum fork height mm	Back tilt	Overall lowered height mm	Overall extended height mm	Free lift (top of forks) mm	With Sideshift		Without Sideshift	
						H6.00XL	H7.00XL	H6.00XL	H7.00XL
Vista 2-Stage limited free lift	2 400	10°	2 240	3 610	160	6 000	7 000	5 770	6 620
	3 400	10°	2 740	4 610	160	6 000	7 000	5 770	6 620
	4 400	10°	3 240	5 610	160	6 000	7 000	5 770	6 620
	5 400	10°	3 740	6 610	160	6 000	7 000	5 770	6 620
	6 000	6°	4 165	7 210	160	5 950	6 850	5 550	6 400
Vista 3-Stage full free lift	3 650	6°	2 220 ◗	4 790 ❖	1 080 ❑	5 800	6 700	☎	☎
	4 600	6°	2 540	5 740 ❖	1 390 ❑	5 800	6 650	☎	☎
	5 600	6°	2 870	6 740 ❖	1 730 ❑	5 700	6 550	☎	☎
	6 100	6°	3 090	7 240 ❖	1 940 ❑	5 500	6 350	☎	☎

Highlifts

The rated capacities shown are for trucks equipped with standard or sideshift carriage, and nominal length forks (see below). Masts above the maximum fork height shown here are classified as high lift, and depending on the tyre/tread configuration may require reduced capacity, restricted back tilt or wide tread.

Model	Max. fork height mm	Nominal fork length mm
H6.00XL	5 400	1 200
H7.00XL	5 400	1 200

High lift masts require approval from Hyster based on specific application information. This information should be supplied on Hyster form 857025-25, and will be used to determine rated capacities to be included on a specific nameplate. The completed nameplate must be installed on the truck before it is put to use.

Warning

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.

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11/01/202 Printed in England Form No. 871496

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