



H2.00-3.20XM

LPG powered forklifts. 2 000 to 3 200 kg @ 500 mm

Discover the easy choice

The latest generation of 2.0 to 3.2 tonne Hyster lift trucks offers superb driver comfort and performance combined with overall reliability. The result is outstanding productivity and low cost of operation.

Easy driving and smooth operation

The tilting steering column and fully adjustable, full suspension seat allow each operator to select the most comfortable driving position. Flip-up armrests provide easy on/off access. Right hand armrest adjustment reduces fatigue to the arm and shoulder during hydraulic lever operation. Power steering and the optional Monotrol pedal promote operator productivity. The easy read dash display monitors truck operating condition to help avoid unplanned downtime. Fully isolated operator compartment and elastomeric engine mounts reduce the effects of vibration on the driver. Brakes have 310 mm drum diameter and 405 cm² lining area, and are self-energising and self-adjusting.

Performance

At the heart of this series are well proven, electronic ignition engines with Aisan control systems. The H2.00-3.00XM models have a Mazda engine producing a peak torque of 141 Nm @ 1 600 rpm. The H2.50XM-H3.20XML models use a GM engine producing 177 Nm @ 1 400 rpm.

Single speed Hyster Powershift transmission matched with the torque converter provides excellent tractive and travel speed performance. Ratios: 3.12:1 with Mazda engine; 3.0:1 with GM.

30.4 litre fluid capacity hydraulic system with double gear main pump and full-time, full-flow, 10 micron return line filter.

The easy way to keep things moving

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

H2.00XM, H2.50XM, H2.50XMX, H3.00XM, H3.00XMX, H3.20XML

CHARACTERISTICS	1.1	Manufacturer	
	1.2	Model designation	
	1.3	Power: battery, diesel, LPG, electric mains	
	1.4	Operation: manual, pedestrian, stand, sit, seat	
	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 width, front	b ₁₀ (mm)
	3.7	Track width, rear	b ₁₁ (mm)

DIMENSIONS	4.1	Mast tilt, $\alpha = \text{forward}/\beta = \text{back}$	degrees
	4.2	Height of mast, lowered	h ₁ (mm)
	4.3	Free lift \uparrow	h ₂ (mm)
	4.4	Lift height \uparrow	h ₃ (mm)
	4.5	Height of mast, extended	h ₄ (mm)
	4.7	Overhead guard height	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	l ₂ (mm)
	4.21	Overall width	b ₁ /b ₂ (mm)
	4.22	Fork dimensions	s/e/l (mm)
	4.23	Fork carriage DIN 15173. Class, A/B	
	4.24	Fork carriage width \bullet	b ₃ (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 1 000 mm x 1 200 mm wide \blacklozenge	Ast (mm)	
4.34	Aisle width with pallets 800 mm x 1 200 mm long \blacklozenge	Ast (mm)	
4.35	Outer turning radius	W _s (mm)	
4.36	Inner turning radius	b ₁₃ (mm)	

PERFORMANCE	5.1	Travel speed with/without load	km/h
	5.2	Lifting speed with/without load	m/sec
	5.3	Lowering speed with/without load	m/sec
	5.5	Drawbar pull with/without load, 60 minute rating	N
	5.6	Maximum drawbar pull with/without load, 5 minute rating	N
	5.7	Gradeability with/without load, 30 minute rating \uparrow	%
	5.8	Maximum gradeability with/without load, 5 minute rating \uparrow	%
	5.9	Acceleration time with/without load	sec
	5.10	Service brake	

ENGINE	7.1	Engine manufacturer/type	
	7.2	Engine output, in accordance with ISO 1585	kW
	7.3	Governed speed	rpm
	7.4	Number of cylinders/displacements	cm ³
	7.5	Fuel consumption in accordance with 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 at driver's ear	dB (A)
	8.5	Towing coupling type	

HYSTER		HYSTER		HYSTER		HYSTER	
H2.00XM		H2.50XM		H2.50XMX		H3.00XM	
LPG		LPG		LPG		LPG	
Sit		Sit		Sit		Sit	
2 000		2 500		2 500		3 000	
500		500		500		500	
470		470		470		480	
1 625		1 625		1 625		1 625	

3 745		4 099		4 099		4 497	
5 177	568	5 899	700	5 899	700	6 732	675
1 847	1 898	1 736	2 363	1 736	2 363	1 723	2 774

SE		SE		SE		SE	
7,00 x 12		7,00 x 12		7,00 x 12		28 x 9 - 15	
6,00 x 9		6,00 x 9		6,00 x 9		6,50 x 10	
2X	2	2X	2	2X	2	2X	2
960	1 126	960	1 126	960	1 126	972	1 107
967		967		967		967	

6			5			6			5			6			5		
2 170			2 170			2 170			2 195			2 195			2 195		
100			100			100			100			100			100		
3 290			3 290			3 290			3 160			3 160			3 160		
3 940			3 940			3 940			3 905			3 905			3 905		
2 163			2 163			2 163			2 178			2 178			2 178		
1 040			1 040			1 040			1 055			1 055			1 055		
365			365			365			380			380			380		
3 700			3 765			3 765			3 870			3 870			3 870		
2 500			2 565			2 565			2 670			2 670			2 670		
1 155	1 320		1 155	1 320		1 155	1 320		1 205	1 340		1 205	1 340		1 205	1 340	
40	100	1 200	40	100	1 200	40	100	1 200	45	100	1 200	45	100	1 200	45	100	1 200
2A			2A			2A			3A			3A			3A		
1 070			1 070			1 070			1 070			1 070			1 070		
107			107			107			130			130			130		
160			160			160			175			175			175		
3 805			3 890			3 890			3 980			3 980			3 980		
3 605			3 690			3 690			3 780			3 780			3 780		
2 135			2 220			2 220			2 300			2 300			2 300		
-			-			-			-			-			-		

17,7	19,2	17,7	19,2	18,5	19,8	18,8	20,3
0,54	0,60	0,53	0,60	0,59	0,68	0,46	0,53
0,50	0,42	0,50	0,42	0,50	0,42	0,50	0,42
14 200	13 700	14 200	13 800	19 500	13 800	13 400	13 100
17 200	14 600	17 100	13 800	22 800	13 800	15 900	13 700
27	27	23	24	33	24	19	21
33	27	28	24	39	24	23	21
-		-		-		-	
Hydraulic		Hydraulic		Hydraulic		Hydraulic	

Mazda M4-2.0G		Mazda M4-2.0G		GM 3.0L		Mazda M4-2.0G	
30		30		47		30	
2 800		2 800		2 900		2 800	
4	2 000	4	2 000	4	2 966	4	2 000
-		-		-		-	

Torque converter		Torque converter		Torque converter		Torque converter	
155		155		155		155	
67		67		66		67	
73		73		78		73	
Pin		Pin		Pin		Pin	

Equipment and weight:

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

Complete truck with either Mazda M4-2.0G or GM 3.0L LPG engine, Powershift transmission, 3 330 mm (H2.00-2.50XM) Vista 2-stage limited free lift mast, 3 205 mm (H3.00-H3.20XM), 1 070 mm hook type carriage with load backrest and 1 200 mm forks. Overhead guard and standard pneumatic drive and steer tyres.

HYSTER		HYSTER		CHARACTERISTICS	
H3.00XMX		H3.20XML			1.1
LPG		LPG			1.2
Sit		Sit			1.3
3 000		3 200			1.4
500		500			1.5
480		480			1.6
1 625		1 700			1.7

4 497		4 626		2.1
6 732	675	7 155	671	2.2
1 723	2 774	1 911	2 715	2.3

SE		SE		WHEELS & TYRES	
28 x 9 - 15		28 x 9 - 15			3.1
6,50 x 10		6,50 x 10			3.2
2X	2	2X	2		3.3
972	1 107	972	1 107		3.4
967		967			3.5
					3.7

6	5	6	5	4.1
2 195		2 195		4.2
100		100		4.3
3 160		3 160		4.4
3 905		3 905		4.5
2 178		2 178		4.7
1 055		1 055		4.8
380		380		4.12
3 870		3 900		4.19
2 670		2 700		4.20
1 205	1 340	1 205	1 340	4.21
45	100	45	100	4.22
3A		3A		4.23
1 070		1 070		4.24
130		130		4.31
175		175		4.32
3 980		4 025		4.33
3 780		3 825		4.34
2 300		2 345		4.35
-		-		4.36

19,6	21,1	19,6	21,1	5.1
0,52	0,60	0,51	0,60	5.2
0,50	0,42	0,50	0,42	5.3
18 400	13 700	18 400	15 200	5.5
21 300	13 700	21 300	15 200	5.6
27	21	26	23	5.7
32	21	30	23	5.8
-		-		5.9
Hydraulic		Hydraulic		5.10

GM 3.0L		GM 3.0L		ENGINE	
47		47			7.1
2 900		2 900			7.2
4	2 966	4	2 966		7.3
-		-			7.4
				7.5	

Torque converter		Torque converter		OTHER	
155		155			8.1
66		66			8.2
78		78			8.3
Pin		Pin			8.4
				8.5	



Tank capacity:

LPG:



Forks:

H2.00-2.50XM: 100 x 40 x 1 000 to 1 800 mm long

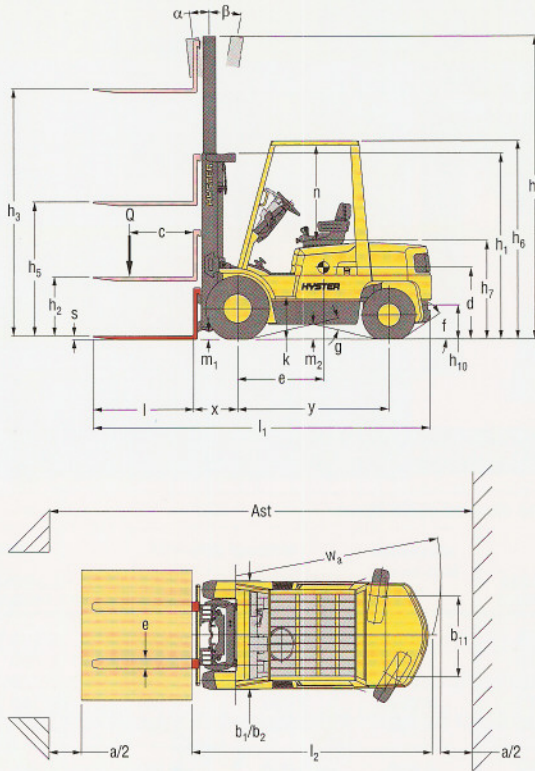
H3.00-H3.20XML: 100 x 45 x 1 200 to 2 400 mm long

Fork spacing:

Inside to inside, minimum: 30 mm

Outside to outside, maximum: 955 mm (H2.00-2.50XM) 945 mm (H3.00-3.20XML)

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

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.

- 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 (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.

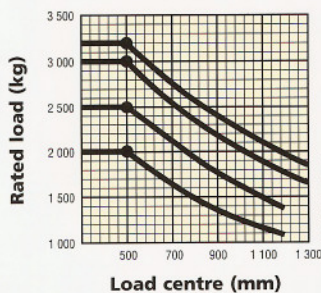
Mast tables:

- ▶ Lowered height lower than overhead guard height
- ★ Add 615 mm with load backrest extension
- ❖ Add 635 mm with load backrest extension
- Deduct 615 mm with load backrest extension
- Deduct 635 mm with load backrest extension
- Add 525 mm with load backrest extension
- * Add 580 mm with load backrest extension
- ▲ Deduct 525 mm with load backrest extension
- ▲ Deduct 580 mm with load backrest extension
- ◀ Wide tread required
- ☞ 19,5 kg capacity tank with integral fuel guage available on request. Consult your Hyster lift truck dealer.

Model

	H2.00XM	H2.50XM H2.50XMx	H3.00XM H3.00XMx	H3.20XML	
Load moment cm-kg	194 000	242 500	294 000	313 600	
Dimensions (mm)	d	685	680	685	695
	e	780	855	945	940
	f	38°	31°	28°	31°
	g	26°	26°	28°	27°
	k	455	455	470	470
n	1 035	1 035	1 035	1 035	

Rated capacities



H3.20XML
H3.00XM, H3.00XMx
H2.50XM, H2.50XMx
H2.00XM


Load centre

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

Rated load

Based on vertical masts up to 4 330 mm (H2.00-2.50XM) or 3 705 mm (H3.00XM-H3.20XML) to top of forks.



Hyster, **HYSTER**, , Monotrol, Vista, Challenger and SpaceSaver are trademarks of Hyster Company. Hyster products are subject to change without notice. Lift trucks illustrated may feature optional equipment.



This truck conforms to the current EU requirements.

Mast and capacity information

Vista masts H2.00-2.50XM

	Maximum fork height mm	Back tilt	Overall lowered height mm	Overall extended height mm	Free lift (top of forks) mm
Vista 2-Stg limited free lift	3 030	5°	2 020 ▽	3 640 ★	140
	3 330	5°	2 170	3 940 ★	140
	3 830	5°	2 420	4 440 ★	140
	4 330	5°	2 770	4 940 ★	140
	4 830	5°	3 020	5 440 ★	140
Vista 2-Stg full free lift	3 020	5°	2 020 ▽	3 630 ★	1 415 ○
	3 320	5°	2 170	3 930 ★	1 565 ○
	3 820	5°	2 420	4 440 ★	1 815 ○
Vista 3-Stg full free lift	4 350	5°	1 945 ▽	4 935 ✧	1 390 □
	4 950	5°	2 170	5 535 ✧	1 590 □
	-	-	-	-	-
	5 550	5°	2 420	6 135 ✧	1 840 □
	6 000	5°	2 620	6 585 ✧	2 040 □

Vista masts H3.00-3.20XML

	Maximum fork height mm	Back tilt	Overall lowered height mm	Overall extended height mm	Free lift (top of forks) mm
Vista 2-Stg limited free lift	2 905	5°	2 045 ▽	3 605 ■	145
	3 205	5°	2 195	3 905 ■	145
	3 705	5°	2 445	4 405 ■	145
	4 205	5°	2 795	4 905 ■	145
	4 705	5°	3 045	5 405 ■	145
	Vista 2-Stg full free lift	2 905	5°	2 045 ▽	3 605 ■
3 205		5°	2 195	3 905 ■	1 495 ▲
3 705		5°	2 445	4 405 ■	1 745 ▲
Vista 3-Stg full free lift	4 165	5°	1 995 ▽	4 810 *	1 350 ▲
	4 765	5°	2 195	5 410 *	1 550 ▲
	4 915	5°	2 295	5 560 *	1 650 ▲
	5 365	5°	2 445	6 010 *	1 800 ▲
	5 965	5°	2 695	6 610 *	2 050 ▲

H2.00-3.20XML - Capacity chart in kg @ 500 mm load centre

Pneumatic shaped solid tyres										
Maximum fork height mm	Without sideshift		With sideshift		Maximum fork height mm	Without sideshift		With sideshift		
	H2.00XM	H2.50XM H2.50XMX	H2.00XM	H2.50XM H2.50XMX		H3.00XM H3.00XMX	H3.20XML	H3.00XM H3.00XMX	H3.20XML	
Vista 2-Stg limited free lift	3 030	2 000	2 500	1 890	2 360	2 905	3 000	3 200	2 790	3 020
	3 330	2 000	2 500	1 880	2 350	3 205	3 000	3 200	2 780	3 010
	3 830	2 000	2 500	1 860	2 340	3 705	3 000	3 200	2 770	3 000
	4 330	2 000	2 500	1 850	2 330	4 205	2 990	3 190	2 740	2 980
	4 830	1 910	2 400	1 760	2 220	4 705	2 880	3 080	2 610	2 860
Vista 2-Stg full free lift	3 020	2 000	2 500	1 890	2 360	2 905	3 000	3 200	2 790	3 020
	3 320	2 000	2 500	1 880	2 360	3 205	3 000	3 200	2 780	3 010
	3 820	2 000	2 500	1 870	2 340	3 705	3 000	3 200	2 770	3 000
Vista 3-Stg full free lift	4 350	2 000	2 470	1 840	2 310	4 165	3 000	3 200	2 750	2 980
	4 950	1 890	2 370	1 720	2 190	4 765	2 870	3 070	2 620	2 850
	-	-	-	-	-	4 915	2 830 ◀	3 030 ◀	2 580 ◀	2 810 ◀
	5 550	1 750	2 320 ◀	1 590	2 040 ◀	5 365	2 720 ◀	2 910 ◀	2 470 ◀	2 690 ◀
	6 000	1 630	2 090 ◀	1 480	1 920 ◀	5 965	2 470 ◀	2 610 ◀	2 300 ◀	2 520 ◀

H2.00-3.20XML - Capacity chart in kg @ 600 mm load centre

Pneumatic shaped solid tyres										
Maximum fork height mm	Without sideshift		With sideshift		Maximum fork height mm	Without sideshift		With sideshift		
	H2.00XM	H2.50XM H2.50XMX	H2.00XM	H2.50XM H2.50XMX		H3.00XM H3.00XMX	H3.20XML	H3.00XM H3.00XMX	H3.20XML	
Vista 2-Stg limited free lift	3 030	1 180	2 330	1 720	2 150	2 905	2 790	3 020	2 550	2 760
	3 330	1 870	2 330	1 720	2 150	3 205	2 780	3 010	2 540	2 750
	3 830	1 860	2 320	1 710	2 140	3 705	2 770	3 000	2 530	2 740
	4 330	1 840	2 300	1 690	2 120	4 205	2 750	2 970	2 510	2 720
	4 830	1 750	2 200	1 600	2 030	4 705	2 640	2 860	2 410	2 620
Vista 2-Stg full free lift	3 020	1 880	2 340	1 720	2 150	2 905	2 790	3 020	2 550	2 760
	3 320	1 870	2 330	1 720	2 150	3 205	2 780	3 010	2 540	2 750
	3 820	1 860	2 320	1 710	2 140	3 705	2 770	3 000	2 530	2 740
Vista 3-Stg full free lift	4 350	1 830	2 290	1 680	2 110	4 165	2 750	2 980	2 510	2 730
	4 950	1 720	2 160	1 570	1 990	4 765	2 620	2 850	2 390	2 600
	-	-	-	-	-	4 915	2 590 ◀	2 810 ◀	2 360 ◀	2 570 ◀
	5 550	1 590	2 020 ◀	1 450	1 860 ◀	5 365	2 470 ◀	2 690 ◀	2 260 ◀	2 460 ◀
	6 000	1 480	1 900 ◀	1 350	1 750 ◀	5 965	2 310 ◀	2 510 ◀	2 100 ◀	2 300 ◀



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
H2.00XM	3 900	1 200
H2.50XM H2.50XMX	3 900	1 200
H3.00XM H3.00XMX	4 165	1 200
H3.20XML	4 165	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.



Hyster Europe, Flagship House, Reading Road North, Fleet, Hants GU51 4WD, England
 Hyster Europe, Nijverheidsweg 29, 6541 CL Nijmegen, The Netherlands
 Hyster Europe, Portland Road, Irvine, Ayrshire KA12 8JG, Scotland
 Hyster Europe, Via Confalonieri 2, 20060 Masate (MI), Italy
<http://www.hyster.co.uk>

06/01/202 Printed in England Form No. 871414

A division of NACCO Materials Handling Limited.