HYSTER™

STRONG PARTNERS. TOUGH TRUCKS.

FORTENS™

IC Counterbalanced Lift Trucks
H2.0-3.5FT **Fortens** / **Fortens** Advance / **Fortens** Advance+

2 000 – 3 500 kg

Fortens H2.0FT, H2.5FT, H3.0FT, H3.5FT

CHARACTERISTICS	1.1	Manufacturer		HYSTER				HYSTER				HYSTER				HYSTER	
	1.2	Model designation		H2.0FT				H2.0FT				H2.5FT				H2.5FT	
		Model - Manufacturer designation		Fortens				Fortens				Fortens				Fortens	
		Engine / transmission		Yanmar 2.6L Powershift				Mazda 2.0L Powershift				Yanmar 2.6L Powershift				Yanmar 3.3L Powershift	
		Brake type		Drum Brakes				Drum Brakes				Drum Brakes				Drum Brakes	
	1.3	Power: battery, diesel, LPG, electric mains		Diesel				LPG				Diesel				Diesel	
	1.4	Operation: manual, pedestrian, stand, seat, orderpicker		Seat				Seat				Seat				Seat	
	1.5	Load capacity	Q (kg)	2 000				2 000				2 500				2 500	
	1.6	Load centre	c (mm)	500				500				500				500	
	1.8	Load distance	x (mm)	471				471				471				471	
	1.9	Wheelbase	y (mm)	1 623				1 623				1 623				1 623	
WEIGHTS	2.1	Unladen weight	kg	3 688				3 688				4 026				4 026	
	2.2	Axle loading with load, front/rear	kg	5 103	584			5 103	584			5 833	693			5 833	693
	2.3	Axle loading without load, front/rear	kg	1 907	1 781			1 907	1 781			1 837	2 189			1 837	2 189
WHEELS & TYRES	3.1	Tyres: L=pneumatic, V=solid, SE=pneumatic-shaped solid		SE				SE				SE				SE	
	3.2	Tyre size, front		7,00 x 12 - 12				7,00 x 12 - 12				7,00 x 12 - 12				7,00 x 12 - 12	
	3.3	Tyre size, rear		6,00 x 9				6,00 x 9				6,00 x 9				6,00 x 9	
	3.5	Number of wheels, front/rear (X = driven)		2X	2			2X	2			2X	2			2X	2
	3.6	Track width, front	b_{10} (mm)	965				965				965				965	
	3.7	Track width, rear	b_{11} (mm)	967				967				967				967	
DIMENSIONS	4.1	Mast tilt, α = forward/β = back	degrees	6	5			6	5			6	5			6	5
	4.2	Height of mast, lowered	h_1 (mm)	2 170				2 170				2 170				2 170	
	4.3	Free lift ¶	h_2 (mm)	100				100				100				100	
	4.4	Lift height ¶	h_3 (mm)	3 250				3 250				3 250				3 250	
	4.5	Height of mast, extended ✦	h_4 (mm)	3 900				3 900				3 900				3 900	
	4.7	Overhead guard height ■	h_6 (mm)	2 160				2 160				2 185				2 185	
	4.8	Seat height ○	h_7 (mm)	1 061				1 061				1 073,5				1 073,5	
	4.12	Towing coupling height	h_{10} (mm)	365				365				390				390	
	4.19	Overall length	l_1 (mm)	3 486				3 486				3 559				3 559	
	4.20	Length to face of forks	l_2 (mm)	2 486				2 486				2 559				2 559	
	4.21	Overall width, standard/wide/dual drive	b_1/b_2 (mm)	1 157	1 317	1 601		1 157	1 317	1 601		1 157	1 317	1 601		1 157	1 317	1 601
	4.22	Fork dimensions	s/e/l (mm)	40	100	1 000		40	100	1 000		40	100	1 000		40	100	1 000
	4.23	Fork carriage DIN 15173. Class, A/B		II A				II A				II A				II A	
	4.24	Fork carriage width ●	b_3 (mm)	1 070				1 070				1 070				1 070	
	4.31	Ground clearance under mast, with load	m_1 (mm)	107				107				107				107	
	4.32	Ground clearance, centre of wheelbase	m_2 (mm)	160				160				173				173	
	4.33	Aisle width with pallets 1 000 mm x 1 200 mm wide ◆	Ast (mm)	3 919				3 919				3 986				3 986	
	4.34	Aisle width with pallets 800 mm x 1 200 mm long ◆	Ast (mm)	4 056				4 056				4 123				4 123	
	4.35	Outer turning radius	W_a (mm)	2 149				2 149				2 216				2 216	
	4.36	Inner turning radius	b_{13} (mm)	50				50				50				50	
PERFORMANCE	5.1	Travel speed with/without load	km/h	16,9	18,0			17,1	18,0			16,9	18,0			18,2	19,3
	5.2	Lifting speed with/without load	m/sec	0,66	0,71			0,56	0,57			0,61	0,71			0,68	0,68
	5.3	Lowering speed with/without load	m/sec	0,50	0,42			0,50	0,42			0,50	0,42			0,50	0,42
	5.5	Drawbar pull with/without load @ 1,6 km/h	N	17 440	11 570			13 991	12 082			17 440	11 450			21 640	11 450
	5.6	Maximum drawbar pull with/without load	N	21 204	11 570			17 257	12 082			19 389	11 450			24 248	11 450
	5.7	Gradeability with/without load @ 4,8 km/h †	%	21,3	34,2			15,0	24,5			21,0	29,3			26,0	29,3
	5.8	Maximum gradeability with/without load @ 1,6 km/h †	%	33,2	34,2			25,3	34,2			27,7	29,3			35,1	29,3
	5.10	Service brake		Hydraulic				Hydraulic				Hydraulic				Hydraulic	
ENGINE	7.1	Engine manufacturer/type		Yanmar 4TNE92				Mazda FE				Yanmar 4TNE92				Yanmar 4TNE98	
	7.2	Engine output, in accordance with ISO 1585 / DIN 6271	kW	35,8				32,8				35,8				48,5	
	7.3	Governed speed	rpm	2 700				2 700				2 700				2 600	
	7.4	Number of cylinders/displacements	cm^3	4	2 659			4	1 998			4	2 659			4	3 319
OTHER	8.1	Drive control		Automatic				Automatic				Automatic				Automatic	
	8.2	Working pressure for attachments	bar	0-155				0-155				0-155				0-155	
	8.3	Oil flow for attachments ⌑	l/min	75				62				75				75	
	8.4	Average noise level at operator's ear (Lpaz) ◇	dB (A)	80				80				80				80	
		Guaranteed sound power 2001/14/EC (Lwaz)	dB	104				103				104				104	
	8.5	Towing coupling type		Pin				Pin				Pin				Pin	

Specification Data is based on VDI 2198

Equipment and weight:

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

Complete truck with 3 290 mm (H2.0-2.5FT) / 3 105 mm (H3.0-H3.5FT) 2-stage limited free lift mast, standard carriage and 1 000 mm forks with e-hydraulics, overhead guard and standard pneumatic shaped solid drive and steer tyres.

CHARACTERISTICS

HYSTER			HYSTER			HYSTER			HYSTER			HYSTER			HYSTER			1.1
H2.5FT			H3.0FT			H3.0FT			H3.0FT			H3.5FT			H3.5FT			1.2
Fortens			Fortens			Fortens			Fortens			Fortens			Fortens			
Mazda 2.0L Powershift			Yanmar 2.6L Powershift			Yanmar 3.3L Powershift			Mazda 2.0L Powershift			Yanmar 3.3L Powershift			Mazda 2.2L Powershift			
Drum Brakes			Drum Brakes			Drum Brakes			Drum Brakes			Drum Brakes			Drum Brakes			
LPG			Diesel			Diesel			LPG			Diesel			LPG			1.3
Seat			Seat			Seat			Seat			Seat			Seat			1.4
2 500			3 000			3 000			3 000			3 500			3 500			1.5
500			500			500			500			500			500			1.6
471			478			478			478			478			478			1.8
1 623			1 623			1 623			1 623			1 700			1 700			1.9

WEIGHTS

4 026			4 505			4 505			4 505			4 816			4 816			2.1
5 833	693		6 725	781		6 725	781		6 725	781		7 392	925		7 392	925		2.2
1 837	2 189		1 907	2 598		1 907	2 598		1 907	2 598		1 868	2 948		1 868	2 948		2.3

WHEELS & TYRES

SE			SE			SE			SE			SE			SE			3.1
7,00 x 12 - 12			28,00 x 9 - 15			28,00 x 9 - 15			28,00 x 9 - 15			28,00 x 9 - 15			28,00 x 9 - 15			3.2
6,00 x 9			6,50 x 10			6,50 x 10			6,50 x 10			6,50 x 10			6,50 x 10			3.3
2X	2		2X	2		2X	2		2X	2		2X	2		2X	2		3.5
965			965			965			965			965			965			3.6
967			967			967			967			967			967			3.7

DIMENSIONS

6	5		6	5		6	5		6	5		6	5		6	5		4.1
2 170			2 195			2 195			2 195			2 195			2 195			4.2
100			100			100			100			100			100			4.3
3 250			3 055			3 055			3 055			3 055			3 055			4.4
3 900			3 805			3 805			3 805			3 805			3 805			4.5
2 185			2 185			2 185			2 185			2 185			2 185			4.7
1 073,5			1086			1086			1 086			1 086			1 086			4.8
390			390			390			390			390			390			4.12
3 559			3 633			3 633			3 633			3 734			3 734			4.19
2 559			2 633			2 633			2 633			2 734			2 734			4.20
1 157	1 317	1 601	1 186	1 321	1 601	1 186	1 321	1 601	1 186	1 321	1 601	1 186	1 321	1 601	1 186	1 321	1 601	4.21
40	100	1 000	50	125	1 000	50	125	1 000	50	125	1 000	50	125	1 000	50	125	1 000	4.22
II A			III A			III A			III A			III A			III A			4.23
1 070			1 070			1 070			1 070			1 070			1 070			4.24
107			132			132			132			132			132			4.31
173			185			185			185			185			185			4.32
3 986			4 063			4 063			4 063			4 156			4 156			4.33
4 123			4 196			4 196			4 196			4 293			4 293			4.34
2 216			2 277			2 277			2 277			2 380			2 380			4.35
50			25			25			25			54			54			4.36

PERFORMANCE

17,1	18,0		18,2	19,1		20,0	21,1		18,0	19,1		20,0	21,1		18,0	19,1		5.1
0,54	0,57		0,47	0,62		0,60	0,60		0,45	0,50		0,60	0,60		0,49	0,50		5.2
0,50	0,42		0,50	0,42		0,50	0,42		0,50	0,42		0,50	0,42		0,50	0,42		5.3
13 848	11 450		16 354	11 708		21 556	13 154		12 950	11 708		21 485	11 708		15 735	12 594		5.5
16 020	11 450		19 291	11 708		24 164	13 154		15 851	11 708		24 079	11 708		18 913	12 594		5.6
13,0	22,0		15,0	26,6		23,0	30,2		11,0	19,0		20,2	26,6		13,5	23,0		5.7
21,7	29,3		22,6	26,6		30,3	26,6		17,6	26,6		30,5	26,6		19,4	26,9		5.8
Hydraulic			Hydraulic			Hydraulic			Hydraulic			Hydraulic			Hydraulic			5.10

ENGINE

Mazda FE			Yanmar 4TNE92			Yanmar 4TNE98			Mazda FE			Yanmar 4TNE98			Mazda F2			7.1
32,8			35,8			48,5			32,8			48,5			38,0			7.2
2 700			2 700			2 600			2 700			2 600			2 700			7.3
4	1 998		4	2 659		4	3 319		4	1 998		4	3 319		4	2 184		7.4

OTHER

Automatic			Automatic			Automatic			Automatic			Automatic			Automatic			8.1
0-155			0-155			0-155			0-155			0-155			0-155			8.2
62			75			75			62			75			62			8.3
80			80			80			80			80			80			8.4
103			104			104			103			104			103			
Pin			Pin			Pin			Pin			Pin			Pin			8.5

Fortens Advance **H2.0FT, H2.5FT, H3.0FT, H3.5FT**

			HYSTER	HYSTER	HYSTER	HYSTER
CHARACTERISTICS	1.1	Manufacturer				
	1.2	Model designation	H2.0FT	H2.0FT	H2.5FT	H2.5FT
		Model - Manufacturer designation	Fortens Advance	Fortens Advance	Fortens Advance	Fortens Advance
		Engine / transmission	Yanmar 2.6L DuraMatch	Mazda 2.2L DuraMatch	Yanmar 2.6L DuraMatch	Mazda 2.2L DuraMatch
		Brake type	ADS Drum or Wet Brakes	ADS Drum or Wet Brakes	ADS Drum or Wet Brakes	ADS Drum or Wet Brakes
	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)	2 000	2 000	2 500	2 500
	1.6	Load centre c (mm)	500	500	500	500
	1.8	Load distance x (mm)	471	471	471	471
	1.9	Wheelbase y (mm)	1 623	1 623	1 623	1 623
WEIGHTS	2.1	Unladen weight kg	3 688	3 688	4 026	4 026
	2.2	Axle loading with load, front/rear kg	5 103 / 584	5 103 / 584	5 833 / 693	5 833 / 693
	2.3	Axle loading without load, front/rear kg	1 907 / 1 781	1 907 / 1 781	1 837 / 2 189	1 837 / 2 189
WHEELS & TYRES	3.1	Tyres: L=pneumatic, V=solid, SE=pneumatic-shaped solid	SE	SE	SE	SE
	3.2	Tyre size, front	7,00 x 12 - 12	7,00 x 12 - 12	7,00 x 12 - 12	7,00 x 12 - 12
	3.3	Tyre size, rear	6,00 x 9	6,00 x 9	6,00 x 9	6,00 x 9
	3.5	Number of wheels, front/rear (X = driven)	2X / 2	2X / 2	2X / 2	2X / 2
	3.6	Track width, front b_{10} (mm)	965	965	965	965
	3.7	Track width, rear b_{11} (mm)	967	967	967	967
DIMENSIONS	4.1	Mast tilt, α = forward/β = back degrees	6 / 5	6 / 5	6 / 5	6 / 5
	4.2	Height of mast, lowered h_1 (mm)	2 170	2 170	2 170	2 170
	4.3	Free lift ¶ h_2 (mm)	100	100	100	100
	4.4	Lift height ¶ h_3 (mm)	3 250	3 250	3 250	3 250
	4.5	Height of mast, extended ✦ h_4 (mm)	3 900	3 900	3 900	3 900
	4.7	Overhead guard height ■ h_6 (mm)	2 160	2 160	2 185	2 185
	4.8	Seat height ○ h_7 (mm)	1 061	1 061	1 073,5	1 073,5
	4.12	Towing coupling height h_{10} (mm)	365	365	390	390
	4.19	Overall length l_1 (mm)	3 486	3 486	3 559	3 559
	4.20	Length to face of forks l_2 (mm)	2 486	2 486	2 559	2 559
	4.21	Overall width, standard/wide/dual drive b_1/b_2 (mm)	1 157 / 1 317 / 1 601	1 157 / 1 317 / 1 601	1 157 / 1 317 / 1 601	1 157 / 1 317 / 1 601
	4.22	Fork dimensions s/e/l (mm)	40 / 100 / 1 000	40 / 100 / 1 000	40 / 100 / 1 000	40 / 100 / 1 000
	4.23	Fork carriage DIN 15173. Class, A/B	II A	II A	II A	II A
	4.24	Fork carriage width ● b_3 (mm)	1 070	1 070	1 070	1 070
	4.31	Ground clearance under mast, with load m_1 (mm)	107	107	107	107
	4.32	Ground clearance, centre of wheelbase m_2 (mm)	160	160	173	173
	4.33	Aisle width with pallets 1 000 mm x 1 200 mm wide ◆ Ast (mm)	3 919	3 919	3 986	3 986
	4.34	Aisle width with pallets 800 mm x 1 200 mm long ◆ Ast (mm)	4 056	4 056	4 123	4 123
	4.35	Outer turning radius W_a (mm)	2 149	2 149	2 216	2 216
	4.36	Inner turning radius b_{13} (mm)	50	50	50	50
PERFORMANCE	5.1	Travel speed with/without load km/h	16,9 / 18,0	17,1 / 18,0	16,9 / 18,0	17,1 / 18,0
	5.2	Lifting speed with/without load m/sec	0,66 / 0,71	0,56 / 0,57	0,61 / 0,71	0,56 / 0,57
	5.3	Lowering speed with/without load m/sec	0,50 / 0,42	0,50 / 0,42	0,50 / 0,42	0,50 / 0,42
	5.5	Drawbar pull with/without load @ 1,6 km/h N	17 440 / 11 570	16 937 / 12 082	17 440 / 11 450	16 857 / 11 450
	5.6	Maximum drawbar pull with/without load N	21 204 / 11 570	20 510 / 12 082	19 389 / 11 450	19 082 / 11 400
	5.7	Gradeability with/without load @ 4,8 km/h † %	21,3 / 34,2	19,0 / 29,8	21,0 / 29,3	16,0 / 29,0
	5.8	Maximum gradeability with/without load @ 1,6 km/h † %	33,2 / 34,2	31,1 / 34,2	27,7 / 29,3	26,7 / 29,3
	5.10	Service brake	Hydraulic	Hydraulic	Hydraulic	Hydraulic
ENGINE	7.1	Engine manufacturer/type	Yanmar 4TNE92	Mazda F2	Yanmar 4TNE92	Mazda F2
	7.2	Engine output, in accordance with ISO 1585 / DIN 6271 kW	35,8	38,0	35,8	38,0
	7.3	Governed speed rpm	2 700	2 700	2 700	2 700
	7.4	Number of cylinders/displacements cm^3	4 / 2 659	4 / 2 184	4 / 2 659	4 / 2 184
OTHER	8.1	Drive control	Automatic	Automatic	Automatic	Automatic
	8.2	Working pressure for attachments bar	0-155	0-155	0-155	0-155
	8.3	Oil flow for attachments ⌑ l/min	75	62	75	62
	8.4	Average noise level at operator's ear (Lpaz) ◇ dB (A)	80	80	80	80
		Guaranteed sound power 2001/14/EC (Lwaz) dB	104	103	104	103
	8.5	Towing coupling type	Pin	Pin	Pin	Pin

Specification Data is based on VDI 2198

Equipment and weight:

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

Complete truck with 3 290 mm (H2.0-2.5FT) / 3 105 mm (H3.0-H3.5FT) 2-stage limited free lift mast, standard carriage and 1 000 mm forks with e-hydraulics, overhead guard and standard pneumatic shaped solid drive and steer tyres.

HYSTER	HYSTER	HYSTER	HYSTER	1.1	CHARACTERISTICS
H3.0FT	H3.0FT	H3.5FT	H3.5FT	1.2	
Fortens Advance	Fortens Advance	Fortens Advance	Fortens Advance		
Yanmar 2.6L DuraMatch	Mazda 2.2L DuraMatch	Yanmar 3.3L DuraMatch	Mazda 2.2L DuraMatch		
ADS Drum or Wet Brakes	ADS Drum or Wet Brakes	ADS Drum or Wet Brakes	ADS Drum or Wet Brakes		
Diesel	LPG	Diesel	LPG	1.3	
Seat	Seat	Seat	Seat	1.4	
3 000	3 000	3 500	3 500	1.5	
500	500	500	500	1.6	
478	478	478	478	1.8	
1 623	1 623	1 700	1 700	1.9	

									WEIGHTS
4 505		4 505		4 816		4 816		2.1	
6 725	781	6 725	781	7 392	925	7 392	925	2.2	
1 907	2 598	1 907	2 598	1 868	2 948	1 868	2 948	2.3	

								WHEELS & TYRES
SE		SE		SE		SE		3.1	
28,00 x 9 - 15		28,00 x 9 - 15		28,00 x 9 - 15		28,00 x 9 - 15		3.2	
6,50 x 10		6,50 x 10		6,50 x 10		6,50 x 10		3.3	
2X	2	2X	2	2X	2	2X	2	3.5	
965		965		965		965		3.6	
967		967		967		967		3.7	

												DIMENSIONS
6	5		6	5		6	5		6	5		4.1
2 195			2 195			2 195			2 195			4.2
100			100			100			100			4.3
3 055			3 055			3 055			3 055			4.4
3 805			3 805			3 805			3 805			4.5
2 185			2 185			2 185			2 185			4.7
1086			1 086			1 086			1 086			4.8
390			390			390			390			4.12
3 633			3 633			3 734			3 734			4.19
2 633			2 633			2 734			2 734			4.20
1 186	1 321	1 601	1 186	1 321	1 601	1 186	1 321	1 601	1 186	1 321	1 601	4.21
50	125	1 000	50	125	1 000	50	125	1 000	50	125	1 000	4.22
III A			III A			III A			III A			4.23
1 070			1 070			1 070			1 070			4.24
132			132			132			132			4.31
185			185			185			185			4.32
4 063			4 063			4 156			4 156			4.33
4 196			4 196			4 293			4 293			4.34
2 277			2 277			2 380			2 380			4.35
25			25			54			54			4.36

								PERFORMANCE
18,2	19,1	18,0	19,1	20,0	21,1	18,0	19,1	5.1
0,47	0,62	0,49	0,50	0,60	0,60	0,49	0,50	5.2
0,50	0,42	0,50	0,42	0,50	0,42	0,50	0,42	5.3
16 354	11 708	16 274	11 708	21 485	11 708	15 735	12 594	5.5
19 291	11 708	18 913	11 708	24 079	11 708	18 913	12 594	5.6
15,0	26,6	14,0	25,0	20,2	26,6	13,5	23,0	5.7
22,6	26,6	21,5	26,6	30,5	26,6	19,4	26,9	5.8
Hydraulic		Hydraulic		Hydraulic		Hydraulic		5.10

								ENGINE
Yanmar 4TNE92		Mazda F2		Yanmar 4TNE98		Mazda F2		7.1
35,8		38,0		48,5		38,0		7.2
2 700		2 700		2 600		2 700		7.3
4	2 659	4	2 184	4	3 319	4	2 184	7.4

								OTHER
Automatic		Automatic		Automatic		Automatic		8.1
0-155		0-155		0-155		0-155		8.2
75		62		75		62		8.3
80		80		80		80		8.4
104		103		104		103		
Pin		Pin		Pin		Pin		8.5

Fortens Advance+ **H2.0FT, H2.5FT, H3.0FT, H3.5FT**

CHARACTERISTICS	1.1	Manufacturer		HYSTER		HYSTER		HYSTER		HYSTER		HYSTER	
	1.2	Model designation		H2.0FT		H2.0FT		H2.0FT		H2.5FT		H2.5FT	
		Model - Manufacturer designation		Fortens Advance +		Fortens Advance +		Fortens Advance +		Fortens Advance +		Fortens Advance +	
		Engine / transmission		Yanmar 3.3L DuraMatch		Yanmar 3.3L DuraMatch Plus2		GM 2.4L DuraMatch		GM 2.4L DuraMatch Plus2		Yanmar 3.3L DuraMatch	Yanmar 3.3L DuraMatch Plus2
		Brake type		ADS Drum or Wet Brakes		Wet Brakes Only		ADS Drum or Wet Brakes		Wet Brakes Only		ADS Drum or Wet Brakes	Wet Brakes Only
	1.3	Power: battery, diesel, LPG, electric mains		Diesel		Diesel		LPG		LPG		Diesel	Diesel
	1.4	Operation: manual, pedestrian, stand, seat, orderpicker		Seat		Seat		Seat		Seat		Seat	Seat
	1.5	Load capacity	Q (kg)	2 000		2 000		2 000		2 000		2 500	2 500
	1.6	Load centre	c (mm)	500		500		500		500		500	500
	1.8	Load distance	x (mm)	471		471		471		471		471	471
	1.9	Wheelbase	y (mm)	1 623		1 623		1 623		1 623		1 623	1 623
WEIGHTS	2.1	Unladen weight	kg	3 688		3 688		3 688		3 688		4 026	4 026
	2.2	Axle loading with load, front/rear	kg	5 103	584	5 103	584	5 103	584	5 103	584	5 833 693	5 833 693
	2.3	Axle loading without load, front/rear	kg	1 907	1 781	1 907	1 781	1 907	1 781	1 907	1 781	1 837 2 189	1 837 2 189
WHEELS & TYRES	3.1	Tyres: L=pneumatic, V=solid, SE=pneumatic-shaped solid		SE		SE		SE		SE		SE	SE
	3.2	Tyre size, front		7,00 x 12 - 12		7,00 x 12 - 12		7,00 x 12 - 12		7,00 x 12 - 12		7,00 x 12 - 12	7,00 x 12 - 12
	3.3	Tyre size, rear		6,00 x 9		6,00 x 9		6,00 x 9		6,00 x 9		6,00 x 9	6,00 x 9
	3.5	Number of wheels, front/rear (X = driven)		2X	2	2X	2	2X	2	2X	2	2X 2	2X 2
	3.6	Track width, front	b_{10} (mm)	965		965		965		965		965	965
	3.7	Track width, rear	b_{11} (mm)	967		967		967		967		967	967
DIMENSIONS	4.1	Mast tilt, α = forward/β = back	degrees	6	5	6	5	6	5	6	5	6 5	6 5
	4.2	Height of mast, lowered	h_1 (mm)	2 170		2 170		2 170		2 170		2 170	2 170
	4.3	Free lift ¶	h_2 (mm)	100		100		100		100		100	100
	4.4	Lift height ¶	h_3 (mm)	3 250		3 250		3 250		3 250		3 250	3 250
	4.5	Height of mast, extended ✦	h_4 (mm)	3 900		3 900		3 900		3 900		3 900	3 900
	4.7	Overhead guard height ■	h_6 (mm)	2 160		2 160		2 160		2 160		2 185	2 185
	4.8	Seat height ○	h_7 (mm)	1 061		1 061		1 061		1 061		1 073,5	1 073,5
	4.12	Towing coupling height	h_{10} (mm)	365		365		365		365		390	390
	4.19	Overall length	l_1 (mm)	3 486		3 486		3 486		3 486		3 559	3 559
	4.20	Length to face of forks	l_2 (mm)	2 486		2 486		2 486		2 486		2 559	2 559
	4.21	Overall width, standard/wide/dual drive	b_1/b_2 (mm)	1 157	1 317 1 601	1 157	1 317 1 601	1 157	1 317 1 601	1 157	1 317 1 601	1 157 1 317 1 601	1 157 1 317 1 601
	4.22	Fork dimensions	s/e/l (mm)	40	100 1 000	40	100 1 000	40	100 1 000	40	100 1 000	40 100 1 000	40 100 1 000
	4.23	Fork carriage DIN 15173, Class, A/B		II A		II A		II A		II A		II A	II A
	4.24	Fork carriage width ●	b_3 (mm)	1 070		1 070		1 070		1 070		1 070	1 070
	4.31	Ground clearance under mast, with load	m_1 (mm)	107		107		107		107		107	107
	4.32	Ground clearance, centre of wheelbase	m_2 (mm)	160		160		160		160		173	173
	4.33	Aisle width with pallets 1 000 mm x 1 200 mm wide ◆	Ast (mm)	3 919		3 919		3 919		3 919		3 986	3 986
	4.34	Aisle width with pallets 800 mm x 1 200 mm long ◆	Ast (mm)	4 056		4 056		4 056		4 056		4 123	4 123
	4.35	Outer turning radius	W_a (mm)	2 149		2 149		2 149		2 149		2 216	2 216
	4.36	Inner turning radius	b_{13} (mm)	50		50		50		50		50	50
PERFORMANCE	5.1	Travel speed with/without load	km/h	18,2	19,3	21,1	21,4	17,5	18,7	18,7	19,6	18,2 19,3	21,1 21,4
	5.2	Lifting speed with/without load	m/sec	0,68	0,68	0,68	0,68	0,60	0,61	0,60	0,61	0,68 0,68	0,68 0,68
	5.3	Lowering speed with/without load	m/sec	0,50	0,42	0,50	0,42	0,50	0,42	0,50	0,42	0,50 0,42	0,50 0,42
	5.5	Drawbar pull with/without load @ 1,6 km/h	N	21 729	11 570	21 805	11 570	19 647	12 082	21 805	11 450	21 640 11 450	21 805 11 450
	5.6	Maximum drawbar pull with/without load	N	24 337	11 570	21 805	11 570	23 211	12 082	21 805	11 450	24 248 11 450	21 805 11 450
	5.7	Gradeability with/without load @ 4,8 km/h †	%	32,0	34,2	39,0	34,2	24,0	34,2	30,0	34,2	26,0 29,3	33,8 29,3
	5.8	Maximum gradeability with/without load @ 1,6 km/h †	%	42,6	34,2	42,8	34,2	37,0	34,2	41,0	34,2	35,1 29,3	35,4 29,3
	5.10	Service brake		Hydraulic		Hydraulic		Hydraulic		Hydraulic		Hydraulic	Hydraulic
ENGINE	7.1	Engine manufacturer/type		Yanmar 4TNE98		Yanmar 4TNE98		GM 2.4L		GM 2.4L		Yanmar 4TNE98	Yanmar 4TNE98
	7.2	Engine output, in accordance with ISO 1585 / DIN 6271	kW	48,5		48,5		46,2		46,2		48,5	48,5
	7.3	Governed speed	rpm	2 600		2 600		2 700		2 700		2 600	2 600
	7.4	Number of cylinders/displacements	cm^3	4	3 319	4	3 319	4	2 400	4	2 400	4 3 319	4 3 319
OTHER	8.1	Drive control		Automatic		Automatic		Automatic		Automatic		Automatic	Automatic
	8.2	Working pressure for attachments	bar	0-155		0-155		0-155		0-155		0-155	0-155
	8.3	Oil flow for attachments ⌑	l/min	75		75		66		66		75	75
	8.4	Average noise level at operator's ear (Lpaz) ◇	dB (A)	80		80		80		80		80	80
		Guaranteed sound power 2001/14/EC (Lwaz)	dB	104		104		105		105		104	104
	8.5	Towing coupling type		Pin		Pin		Pin		Pin		Pin	Pin

Specification Data is based on VDI 2198

Equipment and weight:

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

Complete truck with 3 290 mm (H2.0-2.5FT) / 3 105 mm (H3.0-H3.5FT) 2-stage limited free lift mast, standard carriage and 1 000 mm forks with e-hydraulics, overhead guard and standard pneumatic shaped solid drive and steer tyres.

HYSTER	HYSTER	HYSTER	HYSTER	HYSTER	HYSTER	HYSTER	HYSTER	HYSTER	1.1	CHARACTERISTICS
H2.5FT	H2.5FT	H3.0FT	H3.0FT	H3.0FT	H3.0FT	H3.5FT	H3.5FT	H3.5FT	1.2	
Fortens Advance +	Fortens Advance +	Fortens Advance +	Fortens Advance +	Fortens Advance +	Fortens Advance +	Fortens Advance +	Fortens Advance +	Fortens Advance +		
GM 2,4L DuraMatch	GM 2,4L DuraMatch Plus2	Yanmar 3,3L DuraMatch	Yanmar 3,3L DuraMatch Plus2	GM 2,4L DuraMatch	GM 2,4L DuraMatch Plus2	Yanmar 3,3L DuraMatch Plus2	GM 2,4L DuraMatch	GM 2,4L DuraMatch Plus2		
ADS Drum or Wet Brakes	Wet Brakes Only	ADS Drum or Wet Brakes	Wet Brakes Only	ADS Drum or Wet Brakes	Wet Brakes Only	ADS Drum or Wet Brakes	ADS Drum or Wet Brakes	Wet Brakes Only		
LPG	LPG	Diesel	Diesel	LPG	LPG	Diesel	LPG	LPG	1.3	
Seat	Seat	Seat	Seat	Seat	Seat	Seat	Seat	Seat	1.4	
2 500	2 500	3 000	3 000	3 000	3 000	3 500	3 500	3 500	1.5	
500	500	500	500	500	500	500	500	500	1.6	
471	471	478	478	478	478	478	478	478	1.8	
1 623	1 623	1 623	1 623	1 623	1 623	1 700	1 700	1 700	1.9	

																	2.1	WEIGHTS
4 026		4 026		4 505		4 505		4 505		4 505		4 816		4 816		4 816		
5 833	693	5 833	693	6 725	781	6 725	781	6 725	781	6 725	781	7 392	925	7 392	925	7 392	925	2.2
1 837	2 189	1 837	2 189	1 907	2 598	1 907	2 598	1 907	2 598	1 907	2 598	1 868	2 948	1 868	2 948	1 868	2 948	2.3

SE	SE	SE	SE	SE	SE	SE	SE	SE	3.1	WHEELS & TYRES
7,00 x 12 - 12	7,00 x 12 - 12	28,00 x 9 - 15	28,00 x 9 - 15	28,00 x 9 - 15	28,00 x 9 - 15	28,00 x 9 - 15	28,00 x 9 - 15	28,00 x 9 - 15	3.2	
6,00 x 9	6,00 x 9	6,50 x 10	6,50 x 10	6,50 x 10	6,50 x 10	6,50 x 10	6,50 x 10	6,50 x 10	3.3	
2X 2	2X 2	2X 2	2X 2	2X 2	2X 2	2X 2	2X 2	2X 2	3.5	
965	965	965	965	965	965	965	965	965	3.6	
967	967	967	967	967	967	967	967	967	3.7	

																								4.1	DIMENSIONS
6	5	6	5	6	5	6	5	6	5	6	5	6	5	6	5	6	5								
2 170		2 170		2 195		2 195		2 195		2 195		2 195		2 195		2 195								4.2	
100		100		100		100		100		100		100		100		100								4.3	
3 250		3 250		3 055		3 055		3 055		3 055		3 055		3 055		3 055								4.4	
3 900		3 900		3 805		3 805		3 805		3 805		3 805		3 805		3 805								4.5	
2 185		2 185		2 185		2 185		2 185		2 185		2 185		2 185		2 185								4.7	
1 073,5		1 073,5		1 086		1 086		1 086		1 086		1 086		1 086		1 086								4.8	
390		390		390		390		390		390		390		390		390								4.12	
3 559		3 559		3 633		3 633		3 633		3 633		3 734		3 734		3 734								4.19	
2 559		2 559		2 633		2 633		2 633		2 633		2 734		2 734		2 734								4.20	
1 157	1 317	1 601	1 157	1 317	1 601	1 186	1 321	1 601	1 186	1 321	1 601	1 186	1 321	1 601	1 186	1 321	1 601	1 186	1 321	1 601	1 186	1 321	1 601	4.21	
40	100	1 000	40	100	1 000	50	125	1 000	50	125	1 000	50	125	1 000	50	125	1 000	50	125	1 000	50	125	1 000	4.22	
II A			II A			III A			III A			III A			III A			III A			III A			4.23	
1 070			1 070			1 070			1 070			1 070			1 070			1 070			1 070			4.24	
107			107			132			132			132			132			132			132			4.31	
173			173			185			185			185			185			185			185			4.32	
3 986			3 986			4 063			4 063			4 063			4 156			4 156			4 156			4.33	
4 123			4 123			4 196			4 196			4 196			4 293			4 293			4 293			4.34	
2 216			2 216			2 277			2 277			2 277			2 380			2 380			2 380			4.35	
50			50			25			25			25			54			54			54			4.36	

																		5.1	PERFORMANCE
17,5	18,7	18,7	19,6	20,0	21,1	22,4	22,7	18,7	19,8	19,8	20,9	22,4	22,7	18,7	19,5	19,8	20,9		
0,60	0,61	0,60	0,61	0,60	0,60	0,60	0,60	0,53	0,54	0,53	0,54	0,60	0,60	0,53	0,54	0,53	0,54	5.2	
0,50	0,42	0,50	0,42	0,50	0,42	0,50	0,42	0,50	0,42	0,50	0,42	0,50	0,42	0,50	0,42	0,50	0,42	5.3	
19 033	11 450	21 805	11 450	21 556	13 154	21 805	11 708	18 877	11 708	21 805	11 708	21 805	12 594	18 570	12 594	21 805	12 594	5.5	
22 028	11 450	21 805	11 450	24 164	13 154	21 805	11 708	21 952	11 708	21 805	11 708	21 805	12 594	21 609	12 594	21 805	12 594	5.6	
21,0	29,3	25,0	29,3	23,0	30,2	26,1	26,6	18,1	26,6	22,1	26,6	24,0	26,9	15,2	26,9	20,0	26,9	5.7	
28,0	29,3	35,4	29,3	30,3	30,2	30,4	26,6	25,8	26,6	30,4	26,6	27,3	26,9	21,7	26,9	27,3	26,9	5.8	
Hydraulic		Hydraulic		Hydraulic		Hydraulic		Hydraulic		Hydraulic		Hydraulic		Hydraulic		Hydraulic		5.10	

																		7.1	ENGINE
GM 2.4L		GM 2.4L		Yanmar 4TNE98		Yanmar 4TNE98		GM 2.4L		GM 2.4L		Yanmar 4TNE98		GM 2.4L		GM 2.4L			
46,2		46,2		48,5		48,5		46,2		46,2		48,5		46,2		46,2		7.2	
2 700		2 700		2 600		2 600		2 700		2 700		2 600		2 700		2 700		7.3	
4	2 400	4	2 400	4	3 319	4	3 319	4	2 400	4	2 400	4	3 319	4	2 400	4	2 400	7.4	

Automatic	Automatic	Automatic	Automatic	Automatic	Automatic	Automatic	Automatic	Automatic	8.1	OTHER
0-155	0-155	0-155	0-155	0-155	0-155	0-155	0-155	0-155	8.2	
66	66	75	75	66	66	75	66	66	8.3	
80	80	80	80	80	80	80	80	80	8.4	
105	105	104	104	105	105	104	105	105		
Pin	Pin	Pin	Pin	Pin	Pin	Pin	Pin	Pin	8.5	

Mast and capacity information

Values shown are for standard equipment. When using non-standard equipment, these values may change. Please contact your Hyster dealer for information.

Masts H2.0-2.5FT

	Maximum fork height (mm)	Back tilt	Overall lowered height (mm)	Overall extended height (mm)	Free lift (top of forks) (mm)
2-Stage limited free lift	**3 290**	5°	2 170	4 515 ❖	140 ▽
	3 790	5°	2 420	5 015 ❖	140 ▽
	4 330	5°	2 770	5 555 ❖	140 ▽
	4 830	5°	3 020	6 055 ❖	140 ▽
2-Stage full free lift	**3 300**	5°	2 170	4 525 ❖	1 555 ▽
3-Stage full free lift	**4 350**	5°	1 970	5 570 ❖	1 380 ▽
	4 950	5°	2 170	6 170 ❖	1 580 ▽
	5 550	5°	2 420	6 770 ❖	1 830 ▽
	6 000	5°	2 620	7 220 ❖	2 030 ▽

Masts H3.0-3.5FT

	Maximum fork height (mm)	Back tilt	Overall lowered height (mm)	Overall extended height (mm)	Free lift (top of forks) (mm)
2-Stage limited free lift	**3 105**	5°	2 195	4 335 ❖	150 ▽
	3 605	5°	2 445	4 835 ❖	150 ▽
	4 105	5°	2 795	5 335 ❖	150 ▽
	4 605	5°	3 045	5 835 ❖	150 ▽
2-Stage full free lift	**3 110**	5°	2 195	4 335 ❖	1 495 ▽
3-Stage full free lift	**4 015**	5°	1 995	5 245 ❖	1 315 ▽
	4 615	5°	2 195	5 845 ❖	1 515 ▽
	4 915	5°	2 345	6 145 ❖	1 665 ▽
	5 215	5°	2 445	6 445 ❖	1 765 ▽
	5 815	5°	2 695	7 045 ❖	2 015 ▽

H2.0-3.5FT - Capacity chart in kg @ 500 mm load centre

Pneumatic Shaped Solid Tyres

	Maximum fork height (mm)	Without sideshift		With integral sideshift		Maximum fork height (mm)	Without sideshift		With integral sideshift	
		H2.0FT	H2.5FT	H2.0FT	H2.5FT		H3.0FT	H3.5FT	H3.0FT	H3.5FT
2-Stage limited free lift	**3 290**	2 000	2 500	2 000	2 500	**3 105**	3 000	3 500	2 970	3 490
	3 790	2 000	2 500	2 000	2 500	**3 605**	3 000	3 500	2 950	3 480
	4 330	2 000	2 500	1 990	2 480	**4 105**	3 000	3 500	2 940	3 460
	4 830	1 910	2 400	1 890	2 370	**4 605**	2 890	3 390	2 830	3 340
2-Stage full free lift	**3 300**	2 000	2 500	2 000	2 500	**3 110**	3 000	3 500	2 960	3 490
3-Stage full free lift	**4 350**	2 000	2 500	1 970	2 500	**4 015**	3 000	3 500	2 930	3 460
	4 950	1 890	2 370	1 850	2 370	**4 615**	2 900	3 400	2 830	3 350
	5 550	1 760	2 240 ◖	1 720	2 220 ◖	**4 915**	2 840	3 320 ◖	2 760	3 260
	6 000	1 660	2 120 ◖	1 600	2 090 ◖	**5 215**	2 740	3 250 ◖	2 680	3 180 ◖
						5 815	2 610 ◖	2 950 ◖	2 510 ◖	2 970 ◖

H2.0-3.5FT - Capacity chart in kg @ 600 mm load centre

Pneumatic Shaped Solid Tyres

	Maximum fork height (mm)	Without sideshift		With integral sideshift		Maximum fork height (mm)	Without sideshift		With integral sideshift	
		H2.0FT	H2.5FT	H2.0FT	H2.5FT		H3.0FT	H3.5FT	H3.0FT	H3.5FT
2-Stage limited free lift	**3 290**	1 920	2 370	1 840	2 280	**3 105**	2 820	3 310	2 700	3 180
	3 790	1 910	2 360	1 830	2 270	**3 605**	2 810	3 300	2 690	3 170
	4 330	1 890	2 350	1 820	2 250	**4 105**	2 790	3 290	2 670	3 150
	4 830	1 800	2 240	1 720	2 150	**4 605**	2 690	3 170	2 570	3 040
2-Stage full free lift	**3 300**	1 920	2 380	1 840	2 280	**3 110**	2 820	3 310	2 700	3 180
3-Stage full free lift	**4 350**	1 880	2 380	1 790	2 280	**4 015**	2 800	3 290	2 670	3 150
	4 950	1 760	2 250	1 690	2 160	**4 615**	2 700	3 190	2 580	3 050
	5 550	1 630	2 110 ◖	1 570	2 020 ◖	**4 915**	2 630	3 110 ◖	2 510	2 980
	6 000	1 520	1 990 ◖	1 460	1 900 ◖	**5 215**	2 560	3 030 ◖	2 440	2 900 ◖
						5 815	2 400 ◖	2 860 ◖	2 290 ◖	2 730 ◖

H2.0-3.5FT - Capacity chart in kg @ 500 mm load centre

Michelin XZM (Radial) Tyres

	Maximum fork height (mm)	Without sideshift		With integral sideshift		Maximum fork height (mm)	Without sideshift		With integral sideshift	
		H2.0FT	H2.5FT	H2.0FT	H2.5FT		H3.0FT	H3.5FT	H3.0FT	H3.5FT
2-Stage limited free lift	**3 290**	2 000	2 500	2 000	2 500	**3 105**	3 000	3 500	2 970	3 490
	3 790	2 000	2 500	2 000	2 500	**3 605**	3 000	3 500	2 950	3 480
	4 330	2 000	2 500	1 990	2 480	**4 105**	3 000	3 500	2 940	3 460
	4 830	1 900	2 390 ◖	1 890	2 360 ◖	**4 605**	2 890	3 340	2 820	3 340
2-Stage full free lift	**3 300**	2 000	2 500	2 000	2 500	**3 110**	3 000	3 500	2 960	3 490
3-Stage full free lift	**4 350**	2 000	2 500 ◖	1 970	2 500 ◖	**4 015**	3 000	3 500 ◖	2 930	3 430
	4 950	1 880 ◖	2 370 ◖	1 850 ◖	2 370 ◖	**4 615**	2 900 ◖	3 400 ◖	2 830 ◖	3 350 ◖
	5 550	1 760 ◖	2 240 ✖	1 710 ◖	2 220 ✖	**4 915**	2 830 ◖	3 330 ✖	2 750 ◖	3 270 ✖
	6 000	1 650 ◖	2 130 ✖	1 600 ◖	2 100 ✖	**5 215**	2 760 ◖	3 250 ✖	2 680 ◖	3 190 ✖
						5 815	2 610 ✖	3 080 ✖	2 510 ✖	3 000 ✖

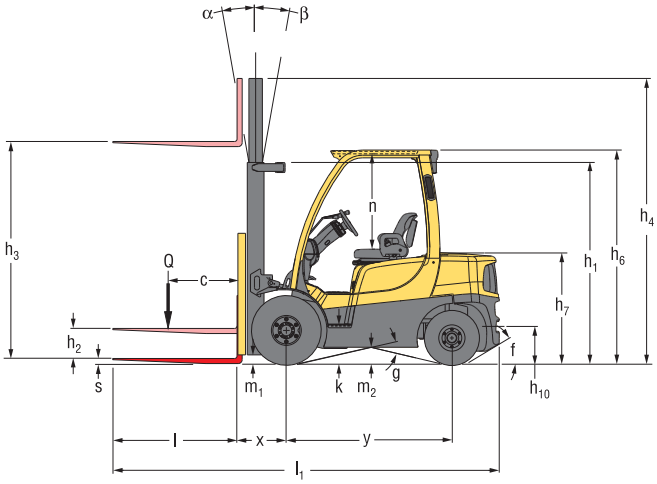
H2.0-3.5FT - Capacity chart in kg @ 600 mm load centre

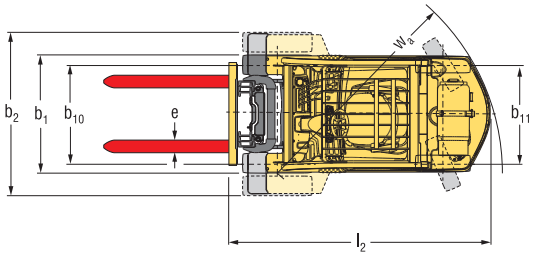
Michelin XZM (Radial) Tyres

	Maximum fork height (mm)	Without sideshift		With integral sideshift		Maximum fork height (mm)	Without sideshift		With integral sideshift	
		H2.0FT	H2.5FT	H2.0FT	H2.5FT		H3.0FT	H3.5FT	H3.0FT	H3.5FT
2-Stage limited free lift	**3 290**	1 920	2 370	1 840	2 280	**3 105**	2 820	3 310	2 700	3 180
	3 790	1 910	2 360	1 830	2 270	**3 605**	2 810	3 300	2 690	3 170
	4 330	1 890	2 350	1 810	2 250	**4 105**	2 790	3 290	2 670	3 150
	4 830	1 790	2 240 ◖	1 720	2 150 ◖	**4 605**	2 690	3 170	2 570	3 040
2-Stage full free lift	**3 300**	1 920	2 380	1 840	2 280	**3 110**	2 820	3 310	2 700	3 180
3-Stage full free lift	**4 350**	1 880	2 380 ◖	1 790	2 280 ◖	**4 015**	2 800	3 290 ◖	2 670	3 150
	4 950	1 760 ◖	2 250 ◖	1 680 ◖	2 150 ◖	**4 615**	2 700 ◖	3 190 ◖	2 580 ◖	3 050 ◖
	5 550	1 630 ◖	2 110 ✖	1 560 ◖	2 020 ✖	**4 915**	2 630 ◖	3 110 ✖	2 510 ◖	2 980 ✖
	6 000	1 520 ◖	1 990 ✖	1 450 ◖	1 910 ✖	**5 215**	2 550 ◖	3 040 ✖	2 440 ◖	2 900 ✖
						5 815	2 400 ✖	2 860 ✖	2 290 ✖	2 740 ✖

Note: To calculate truck capacities with alternative truck specifications to the ones shown in the above tables, please consult your Hyster dealer.
The rated capacities shown are for masts in a vertical position on trucks equipped with standard or sideshift carriage, and nominal length forks. Masts above the maximum fork heights shown in the mast table are classified as high lift, and depending on the tyre/tread configuration may require reduced capacity, restricted back tilt or wide tread.

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.

¶ Bottom of forks

✦ Without load backrest

■ h_6 subject to +/- 5 mm tolerance

○ Full-suspension seat in depressed position

● Subtract 32 mm without load backrest

◆ 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.

⌑ Variable

◇ Measured according to the test cycles and based on the weighting values contained in EN12053

☎ Consult your Hyster lift truck dealer

Mast tables:

❖ With load backrest

▽ Without load backrest

◖ Wide tread or Dual Drive Wheels required

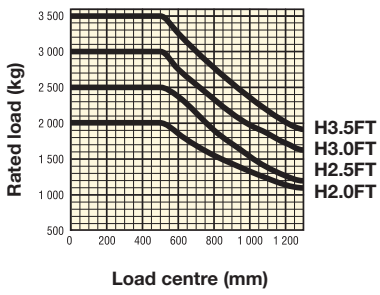
✖ Dual Drive Wheels required

Model

Dimensions (mm)

	H2.0FT	H2.5FT	H3.0FT	H3.5FT
f	48%	44%	52%	54%
g	25,3°	25,3°	28,0°	28,0°
k	382	382	407	407
n	1 068	1 068	1 068	1 068

Rated capacities



Load centre (mm)

Load centre

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

Rated load

Based on vertical masts up to 4 350 mm (H2.0-2.5FT) and 4 015 mm (H3.0-3.5FT).

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

CE **Safety:**

This truck conforms to the current EU requirements.

Product Packages

The Hyster Fortens™ range has been designed to match the vast range of application requirements and business objectives that customers demand.

The H2.0-3.5FT Series is available in several truck packages, with multiple powertrain combinations to choose from, to best match operational demands. Each configuration offers improved efficiency, advanced dependability, lower cost of operations and simple serviceability.

Model / Bundle	H2.0FT			H2.5FT		
DIESEL	Engine	Transmission	Brakes	Engine	Transmission	Brakes
Fortens	Yanmar 2.6l	Powershift Transmission 1 speed	Drum	Yanmar 2.6l	Powershift Transmission 1 speed	Drum
	–	– –	–	Yanmar 3.3l	Powershift Transmission 1 speed	Drum
Fortens Advance	Yanmar 2.6l	DuraMatch™ Electronic 1 speed	ADS Drum	Yanmar 2.6l	DuraMatch™ Electronic 1 speed	ADS Drum
	Yanmar 2.6l	DuraMatch™ Electronic 1 speed	Wet	Yanmar 2.6l	DuraMatch™ Electronic 1 speed	Wet
Fortens Advance+	Yanmar 3.3l	DuraMatch™ Electronic 1 speed	ADS Drum	Yanmar 3.3l	DuraMatch™ Electronic 1 speed	ADS Drum
	Yanmar 3.3l	DuraMatch™ Electronic 1 speed	Wet	Yanmar 3.3l	DuraMatch™ Electronic 1 speed	Wet
	Yanmar 3.3l	DuraMatch™ Plus 2 speed	Wet	Yanmar 3.3l	DuraMatch™ Plus 2 speed	Wet

Model / Bundle	H3.0FT			H3.5FT		
DIESEL	Engine	Transmission	Brakes	Engine	Transmission	Brakes
Fortens	Yanmar 2.6l	Powershift Transmission 1 speed	Drum	–	– –	–
	Yanmar 3.3l	Powershift Transmission 1 speed	Drum	Yanmar 3.3l	Powershift Transmission 1 speed	Drum
Fortens Advance	Yanmar 2.6l	DuraMatch™ Electronic 1 speed	ADS Drum	Yanmar 3.3l	DuraMatch™ Electronic 1 speed	ADS Drum
	Yanmar 2.6l	DuraMatch™ Electronic 1 speed	Wet	Yanmar 3.3l	DuraMatch™ Electronic 1 speed	Wet
Fortens Advance+	Yanmar 3.3l	DuraMatch™ Electronic 1 speed	ADS Drum	Yanmar 3.3l	DuraMatch™ Plus2 2 speed	Wet
	Yanmar 3.3l	DuraMatch™ Electronic 1 speed	Wet	–	– –	–
	Yanmar 3.3l	DuraMatch™ Plus 2 speed	Wet	–	– –	–

Model / Bundle	H2.0FT			H2.5FT		
LPG	Engine	Transmission	Brakes	Engine	Transmission	Brakes
Fortens	Mazda 2.0l	Powershift Transmission 1 speed	Drum	Mazda 2.0l	Powershift Transmission 1 speed	Drum
Fortens Advance	Mazda 2.2l	DuraMatch™ Electronic 1 speed	ADS Drum	Mazda 2.2l	DuraMatch™ Electronic 1 speed	ADS Drum
	Mazda 2.2l	DuraMatch™ Electronic 1 speed	Wet	Mazda 2.2l	DuraMatch™ Electronic 1 speed	Wet
Fortens Advance+	GM 2.4l	DuraMatch™ Electronic 1 speed	ADS Drum	GM 2.4l	DuraMatch™ Electronic 1 speed	ADS Drum
	GM 2.4l	DuraMatch™ Electronic 1 speed	Wet	GM 2.4l	DuraMatch™ Electronic 1 speed	Wet
	GM 2.4l	DuraMatch™ Plus 2 speed	Wet	GM 2.4l	DuraMatch™ Plus 2 speed	Wet

Model / Bundle	H3.0FT			H3.5FT		
LPG	Engine	Transmission	Brakes	Engine	Transmission	Brakes
Fortens	Mazda 2.0l	Powershift Transmission 1 speed	Drum	Mazda 2.2l	Powershift Transmission 1 speed	Drum
Fortens Advance	Mazda 2.2l	DuraMatch™ Electronic 1 speed	ADS Drum	Mazda 2.2l	DuraMatch™ Electronic 1 speed	ADS Drum
	Mazda 2.2l	DuraMatch™ Electronic 1 speed	Wet	Mazda 2.2l	DuraMatch™ Electronic 1 speed	Wet
Fortens Advance+	GM 2.4l	DuraMatch™ Electronic 1 speed	ADS Drum	GM 2.4l	DuraMatch™ Electronic 1 speed	ADS Drum
	GM 2.4l	DuraMatch™ Electronic 1 speed	Wet	GM 2.4l	DuraMatch™ Electronic 1 speed	Wet
	GM 2.4l	DuraMatch™ Plus 2 speed	Wet	GM 2.4l	DuraMatch™ Plus 2 speed	Wet

Please refer to the Price List for full option configurations.

Product Features

The Standard Fortens model features an Electronic Powershift Transmission.

The Fortens Advance & Fortens Advance+ models are available with the electronically controlled **DuraMatch™ transmission**, providing:

- **Auto Deceleration System (ADS)** automatically slows the truck when the accelerator pedal is released, and finally brings the truck to a stop, which helps to significantly extend brake life. In addition, this feature assists the driver to accurately position the truck in front of a load. There are 10 ADS settings, programmable via the dash display by a service technician, which deliver different braking characteristics, from very gradual to aggressive, to suit the needs of the application.
- **Controlled Power Reversal;** the Pacesetter VSM™ controls the transmission to deliver smooth direction changes. The VSM reduces the throttle to slow the engine, initiates auto-deceleration to stop the truck, changes the transmission direction automatically and increases the throttle to accelerate the truck. The system virtually eliminates tyre spin and shock loads on the transmission and significantly increases tyre life. As with ADS, the system is programmable via the dash display by a service technician, with settings from 1 to 10, to suit the needs of the application.
- **Controlled Roll-Back on Ramp;** the transmission controls the rate of decent of the truck on a ramp, when the brake and throttle pedal are released, to provide maximum control on a grade and increase operator productivity.

The Fortens Advance+ models are also available with the electronically controlled two-speed extended function **DuraMatch™ Plus2 transmission**, as an option. This transmission, in addition to the above, features:

- **Throttle Response Management** allows the operator to manage his travel speed, according to the position of his foot on the accelerator pedal. For example, a certain speed can be maintained both on the flat and on a gradient, without the need to depress the pedal further. The system also compensates for hydraulic operation and drawbar pull.
- **Dynamic Auto Deceleration System;** as with the DuraMatch™, the operator can slow the truck down without using the brake and the rate of braking is determined by the dashboard settings 1-10. In addition, thanks to the Throttle Response Management feature, the rate of deceleration can be further fine-tuned according to the rate at which the driver releases his foot from the accelerator pedal.
- **Auto-Speed Hydraulics with Automatic Inching Control;** when lifting a load, the engine speed is automatically increased to provide full hydraulic power. The Pacesetter VSM™ maintains the current travel speed (or prevents travel) until operator steps on accelerator. No operator inching is required and productivity is increased by simplifying operator actions.
- **First Gear** offers **Increased Drawbar Pull** for use on gradients.
- **Second Gear** provides maximum engine efficiency in applications where longer travel distances are common.

The transmissions are compatible with 4 available aluminium core radiators and a superior counterweight tunnel design coupled with a "pusher" type fan, to provide the industry's best cooling.

The available Oil-immersed brakes offer reduced maintenance & repair time and costs, which results in extended truck dependability and uptime.

Trucks fitted with Oil-immersed brakes are ideally suited to applications in wet, dirty or corrosive environments, and ensure consistent braking performance over the lifetime of the truck. This is thanks to the sealed unit that houses and protects the brakes, so preventing contaminants and damage.

All powertrains are controlled, protected and managed by The **Pacesetter™ VSM** industrial onboard computer featuring a CANbus communications network.

This system permits adjustment and optimisation of the truck's performance, in addition to monitoring key functions. It enables quick, easy diagnostics, minimizing repair downtime and unnecessary parts swapping.

Hassle-Free Hydraulic systems, featuring Leak-free O-ring face seal fittings reduce leaks for enhanced reliability.

Non-mechanical, Hall-Effect sensors and switches have been fitted and are designed to outlast the life of the truck.

The operator compartment features class-leading **Ergonomics** for maximum driver comfort and productivity.

- Operator space is optimised, thanks to a new overhead guard design and significantly more floor space.
- The Easy-to-use 3-point entry design of the operator compartment has an open non-slip step with a height of just 38 cm.
- The isolated drivetrain minimises the effect of powertrain vibration.
- The adjustable armrest that accompanies the TouchPoint™ or TouchControl™ E-hydraulic configurations moves with the seat and telescopes forward.
- The rear grab handle with horn button facilitates reverse driving.
- An infinitely adjustable steering column, 30 cm diameter steering wheel with spinner knob and full-suspension seat enhance driver comfort.

The Hyster Fortens is the fastest and easiest lift truck to **Service**.

- Complete cowl-to-counterweight service access and simplified layout of wiring and hydraulics offers greater access to components, which in turn decreases service time for unscheduled repairs and regular maintenance.
- Fast, colour-coded daily checks and diagnostic systems can be managed via the dash display.
- An Engine coolant change and Hydraulic oil change interval of 4 000 hours also contributes to reduced downtime.

Strong Partners, Tough Trucks, for Demanding Operations Everywhere.

Hyster supplies a complete product range, including Warehouse trucks, 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 materials 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 materials handling needs so you can focus on the success of your business today and in the future.

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