FORTENS™

HYSTER

STRONG PARTNERS.
TOUGH TRUCKS.™

IC COUNTERBALANCED LIFT TRUCKS

H1.6-2.0FTS FORTENS / FORTENS ADVANCE

1 600 – 2 000 kg

Fortens H1.6FT, H1.8FT, H2.0FTS

CHARACTERISTICS	1.1	Manufacturer		HYSTER			HYSTER			HYSTER	
	1.2	Model designation		H1.6FT			H1.6FT			H1.8FT	
		Model - Manufacturer designation		Fortens			Fortens			Fortens	
		Engine/Transmission		Yanmar 2.6L Basic Powershift			Mazda 2.0L Basic Powershift			Yanmar 2.6L Basic Powershift	
		Brake Type		Drum Brakes			Drum Brakes			Drum Brakes	
	1.3	Power: battery, diesel, LPG, electric mains		Diesel			LPG			Diesel	
	1.4	Operation: manual, pedestrian, stand, seat, orderpicker		Seat			Seat			Seat	
	1.5	Load capacity	Q (kg)	1600			1600			1800	
	1.6	Load centre	c (mm)	500			500			500	
	1.8	Load distance	x (mm)	384			384			384	
	1.9	Wheelbase	y (mm)	1385			1385			1385	
WEIGHTS	2.1	Unladen weight	kg	3059			3059			3134	
	2.2	Axle loading with load, front/rear	kg	3856	565		3856	565		4190	509
	2.3	Axle loading without load, front/rear	kg	1521	1538		1521	1538		1506	1628
WHEELS & TYRES	3.1	Tyres: L = pneumatic, V = cushion, SE = pneumatic-shaped solid		SE			SE			SE	
	3.2	Tyre size, front		6.50 x 10-10			6.50 x 10-10			6.50 x 10 -10	
	3.3	Tyre size, rear		5.00 x 8			5.00 x 8			5.00 x 8	
	3.5	Number of wheels, front/rear (X = driven)		2x	2		2x	2		2x	2
	3.6	Track width, front	b_{10} (mm)	890			890			890	
	3.7	Track width, rear	b_{11} (mm)	895			895			895	
DIMENSIONS	4.1	Mast tilt, forward α /back β	degrees	6F	5B		6F	5B		6F	5B
	4.2	Height of mast, lowered	h_1 (mm)	2175			2175			2175	
	4.3	Free lift, ¶	h_2 (mm)	100			100			100	
	4.4	Lift height, ¶	h_3 (mm)	3290			3290			3290	
	4.5	Height of mast, extended ✦	h_4 (mm)	3905			3905			3905	
	4.7	Height to top of overhead guard ■	h_6 (mm)	2149			2149			2149	
	4.8	Seat height ○	h_7 (mm)	1044			1044			1044	
	4.12	Towing coupling height	h_{10} (mm)	321			321			321	
	4.19	Overall length	l_1 (mm)	3236			3236			3236	
	4.20	Length to face of forks	l_2 (mm)	2236			2236			2236	
	4.21	Overall width (Standard/Intermediate/Wide) ⬟	b_1 (mm)	1072	1112	1242	1072	1112	1242	1072	1112	1242
	4.22	Fork dimensions	s/e/l (mm)	40	80	1000	40	80	1000	40	80	1000
	4.23	Fork carriage to DIN 15173. Class, A/B		IIA			IIA			IIA	
	4.24	Fork carriage width ●	b_3 (mm)	980			980			980	
	4.31	Ground clearance under mast, with load	m_1 (mm)	110			110			110	
	4.32	Ground clearance at centre of wheelbase	m_2 (mm)	146			146			146	
	4.33	Aisle width with pallets 1 000 mm long x 1 200 mm wide ◆	Ast (mm)	3539			3539			3539	
	4.34	Aisle width with pallets 800 mm wide x 1 200 mm long ◆	Ast (mm)	3739			3739			3739	
	4.35	Outer turning radius	W_a (mm)	1955			1955			1955	
	4.36	Inner turning radius	b_{13} (mm)	48			48			48	
PERFORMANCE	5.1	Travel speed with/without load	km/h	20.5	20.9		20.5	20.9		20.5	20.9
	5.2	Lifting speed with/without load	m/sec	0.64	0.72		0.57	0.58		0.63	0.72
	5.3	Lowering speed with/without load	m/sec	0.51	0.47		0.51	0.47		0.51	0.47
	5.4	Drawbar pull with/without load @ 1.6km/h	N	12 390	7470		11 330	7470		12 260	7200
	5.5	Maximum drawbar pull with/without load	N	14 470	7470		13 210	7470		14 320	7200
	5.7	Gradeability with/without load @ 4.8km/h †	%	21.6	29.0		20.0	29.0		20.0	26.3
	5.8	Maximum gradeability with/without load @ 1.6km/h †	%	31.0	29.0		28.3	29.0		28.2	26.3
	5.10	Service brake		Hydraulic			Hydraulic			Hydraulic	
POWER UNIT	7.1	Engine manufacturer/type		Yanmar 4TNE92			Madza FE			Yanmar 4TNE92	
	7.2	Engine output, in accordance with ISO1585 / DIN 6271	kW	29.1			29.8			29.1	
	7.3	Governed speed	rpm	2400			2400			2400	
	7.4	Number of cylinders/displacement	cm^3	4	2659		4	1998		4	2659
OTHER	8.1	Drive control		Automatic			Automatic			Automatic	
	8.2	Working pressure for attachments	bar	0 - 155			0 - 155			0 - 155	
	8.3	Oil flow for attachments ◘	l/min	69			58			69	
	8.4	Average noise level at operator's ear ◇	dB (A)	80			80			80	
		Guaranteed sound power 2001/14/EC		104			102			104	
	8.5	Towing coupling type / DIN type		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 3 330 mm 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	1.1	CHARACTERISTICS
H1.8FT	H2.0FTS	H2.0FTS	1.2	
Fortens	Fortens	Fortens		
Mazda 2.0L Basic Powershift	Yanmar 2.6L Basic Powershift	Mazda 2.0L Basic Powershift		
Drum Brakes	Drum Brakes	Drum Brakes		
LPG	Diesel	LPG	1.3	
Seat	Seat	Seat	1.4	
1800	2000	2000	1.5	
500	500	500	1.6	
384	384	384	1.8	
1385	1385	1385	1.9	

							WEIGHTS
3134		3294		3294		2.1	
4190	509	4460	580	4460	580	2.2	
1506	1628	1465	1829	1465	1829	2.3	

						WHEELS & TYRES
SE		SE		SE		3.1
6.50 x 10 -10		6.50 x 10 -10		6.50 x 10 -10		3.2
5.00 x 8		18 x 7-8		18 x 7-8		3.3
2x	2	2x	2	2x	2	3.5
890		890		890		3.6
895		895		895		3.7

									DIMENSIONS
6F	5B		6F	5B		6F	5B		4.1
2175			2175			2175			4.2
100			100			100			4.3
3290			3290			3290			4.4
3905			3905			3905			4.5
2149			2149			2149			4.7
1044			1044			1044			4.8
321			321			321			4.12
3236			3268			3268			4.19
2236			2268			2268			4.20
1072	112	1242	1072	1112		1072	1112		4.21
40	80	1000	40	100	1000	40	100	1000	4.22
IIA			IIA			IIA			4.23
980			980			980			4.24
110			110			110			4.31
146			146			146			4.32
3539			3569			3569			4.33
3739			3769			3769			4.34
1955			1985			1985			4.35
48			48			48			4.36

						PERFORMANCE
20.5	20.9	20.5	20.9	20.5	20.9	5.1
0.57	0.58	0.62	0.72	0.57	0.58	5.2
0.51	0.47	0.51	0.47	0.51	0.47	5.3
11 190	7200	12 140	6930	11 050	6930	5.4
13 070	7200	14 180	6930	12 920	6930	5.5
18.0	26.3	17.9	23.6	16.0	23.6	5.7
25.5	26.3	25.4	23.6	22.7	23.6	5.8
Hydraulic		Hydraulic		Hydraulic		5.10

						POWER UNIT
Madza FE		Yanmar 4TNE92		Madza FE		7.1
29.8		29.1		29.8		7.2
2400		2400		2400		7.3
4	1998	4	2659	4	1998	7.4

						OTHER
Automatic		Automatic		Automatic		8.1
0 - 155		0 - 155		0 - 155		8.2
58		69		58		8.3
80		80		80		8.4
102		104		102		8.5
Pin		Pin		Pin		8.6

Fortens Advance **H1.6FT, H1.8FT, H2.0FTS**

CHARACTERISTICS	1.1	Manufacturer		HYSTER				HYSTER				HYSTER					
	1.2	Model designation		H1.6FT				H1.6FT				H1.8FT					
		Model - Manufacturer designation		Fortens Advance				Fortens Advance				Fortens Advance					
		Engine/Transmission		Yanmar 2.6L DuraMatch				Mazda 2.0L DuraMatch				Yanmar 2.6L DuraMatch					
		Brake Type		ADS Drum Brakes				ADS Drum Brakes				ADS Drum Brakes					
	1.3	Power: battery, diesel, LPG, electric mains		Diesel				LPG				Diesel					
	1.4	Operation: manual, pedestrian, stand, seat, orderpicker		Seat				Seat				Seat					
	1.5	Load capacity	Q (kg)	1600				1600				1800					
	1.6	Load centre	c (mm)	500				500				500					
	1.8	Load distance	x (mm)	384				384				384					
	1.9	Wheelbase	y (mm)	1385				1385				1385					
WEIGHTS	2.1	Unladen weight	kg	3059				3059				3134					
	2.2	Axle loading with load, front/rear	kg	3856	565			3856	565			4190	509				
	2.3	Axle loading without load, front/rear	kg	1521	1538			1521	1538			1506	1628				
WHEELS & TYRES	3.1	Tyres: L = pneumatic, V = cushion, SE = pneumatic-shaped solid		SE				SE				SE					
	3.2	Tyre size, front		6.50 x 10-10				6.50 x 10-10				6.50 x 10 -10					
	3.3	Tyre size, rear		5.00 x 8				5.00 x 8				5.00 x 8					
	3.5	Number of wheels, front/rear (X = driven)		2x	2			2x	2			2x	2				
	3.6	Track width, front	b_{10} (mm)	890				890				890					
	3.7	Track width, rear	b_{11} (mm)	895				895				895					
DIMENSIONS	4.1	Mast tilt, forward α /back β	degrees	6F	5B			6F	5B			6F	5B				
	4.2	Height of mast, lowered	h_1 (mm)	2175				2175				2175					
	4.3	Free lift ¶	h_2 (mm)	100				100				100					
	4.4	Lift height ¶	h_3 (mm)	3290				3290				3290					
	4.5	Height of mast, extended ✦	h_4 (mm)	3905				3905				3905					
	4.7	Height to top of overhead guard ■	h_6 (mm)	2149				2149				2149					
	4.8	Seat height ○	h_7 (mm)	1044				1044				1044					
	4.12	Towing coupling height	h_{10} (mm)	321				321				321					
	4.19	Overall length	l_1 (mm)	3236				3236				3236					
	4.20	Length to face of forks	l_2 (mm)	2236				2236				2236					
	4.21	Overall width (Standard/Intermediate/Wide) ⬟	b_1 (mm)	1072	1112	1242		1072	1112	1242		1072	1112	1242			
	4.22	Fork dimensions	s/e/l (mm)	40	80	1000		40	80	1000		40	80	1000			
	4.23	Fork carriage to DIN 15173. Class, A/B		IIA				IIA				IIA					
	4.24	Fork carriage width ●	b_3 (mm)	980				980				980					
	4.31	Ground clearance under mast, with load	m_1 (mm)	110				110				110					
	4.32	Ground clearance at centre of wheelbase	m_2 (mm)	146				146				146					
	4.33	Aisle width with pallets 1 000 mm long x 1 200 mm wide ◆	Ast (mm)	3539				3539				3539					
	4.34	Aisle width with pallets 800 mm wide x 1 200 mm long ◆	Ast (mm)	3739				3739				3739					
	4.35	Outer turning radius	W_a (mm)	1955				1955				1955					
	4.36	Inner turning radius	b_{13} (mm)	48				48				48					
PERFORMANCE	5.1	Travel speed with/without load	km/h	20.5	20.9			20.5	20.9			20.5	20.9				
	5.2	Lifting speed with/without load	m/sec	0.64	0.72			0.57	0.58			0.63	0.72				
	5.3	Lowering speed with/without load	m/sec	0.51	0.47			0.51	0.47			0.51	0.47				
	5.5	Drawbar pull with/without load @ 1.6km/h	N	12 390	7470			11 330	7470			12 260	7200				
	5.6	Maximum drawbar pull with/without load	N	14 470	7470			13 210	7470			14 320	7200				
	5.7	Gradeability with/without load @ 4.8km/h †	%	21.6	29.0			20.0	29.0			20.0	26.3				
	5.8	Maximum gradeability with/without load @ 1.6km/h †	%	31.0	29.0			28.3	29.0			28.2	26.3				
	5.10	Service brake		Hydraulic				Hydraulic				Hydraulic					
POWER UNIT	7.1	Engine manufacturer/type		Yanmar 4TNE92				Madza FE				Yanmar 4TNE92					
	7.2	Engine output, in accordance with ISO1585 / DIN 6271	kW	29.1				29.8				29.1					
	7.3	Governed speed	rpm	2400				2400				2400					
	7.4	Number of cylinders/displacement	cm^3	4	2659			4	1998			4	2659				
OTHER	8.1	Drive control		Automatic				Automatic				Automatic					
	8.2	Working pressure for attachments	bar	0 - 155				0 - 155				0 - 155					
	8.3	Oil flow for attachments ◘	l/min	69				58				69					
	8.4	Average noise level at operator's ear ◇	dB (A)	80				80				80					
		Guaranteed sound power 2001/14/EC		104				102				104					
	8.5	Towing coupling type / DIN type		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 3 330 mm 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	1.1	CHARACTERISTICS
H1.8FT	H2.0FTS	H2.0FTS	1.2	
Fortens Advance	Fortens Advance	Fortens Advance		
Mazda 2.0L DuraMatch	Yanmar 2.6L DuraMatch	Mazda 2.0L DuraMatch		
ADS Drum Brakes	ADS Drum Brakes ADS Drum Brakes			
LPG	Diesel	LPG	1.3	
Seat	Seat	Seat	1.4	
1800	2000	2000	1.5	
500	500	500	1.6	
384	384	384	1.8	
1385	1385	1385	1.9	

3134			3294			3294		2.1
4190	509		4460	580		4460	580	2.2
1506	1628		1465	1829		1465	1829	2.3

WEIGHTS

SE			SE			SE		3.1
6.50 X 10 -10			6.50 X 10 -10			6.50 X 10 -10		3.2
5.00 X 8			18 X 7-8			18 X 7-8		3.3
2x	2		2x	2		2x	2	3.5
890			890			890		3.6
895			895			895		3.7

WHEELS & TYRES

6F	5B		6F	5B		6F	5B	4.1
2175			2175			2175		4.2
100			100			100		4.3
3290			3290			3290		4.4
3905			3905			3905		4.5
2149			2149			2149		4.7
1044			1044			1044		4.8
321			321			321		4.12
3236			3268			3268		4.19
2236			2268			2268		4.20
1072	1112	1242	1072	1112		1072	1112	4.21
40	80	1000	40	100	1000	40	100	1000	4.22
IIA			IIA			IIA		4.23
980			980			980		4.24
110			110			110		4.31
146			146			146		4.32
3539			3569			3569		4.33
3739			3769			3769		4.34
1955			1985			1985		4.35
48			48			48		4.36

DIMENSIONS

20.5	20.9		20.5	20.9		20.5	20.9	5.1
0.57	0.58		0.62	0.72		0.57	0.58	5.2
0.51	0.47		0.51	0.47		0.51	0.47	5.3
11 190	7200		12 140	6930		11 050	6930	5.5
13 070	7200		14 180	6930		12 920	6930	5.6
18.0	26.3		17.9	23.6		16.0	23.6	5.7
25.5	26.3		25.4	23.6		22.7	23.6	5.8
Hydraulic			Hydraulic			Hydraulic		5.10

PERFORMANCE

Madza FE			Yanmar 4TNE92			Madza FE		7.1
29.8			29.1			29.8		7.2
2400			2400			2400		7.3
4	1998		4	2659		4	1998	7.4

POWER UNIT

Automatic			Automatic			Automatic		8.1
0 - 155			0 - 155			0 - 155		8.2
58			69			58		8.3
80			80			80		8.4
102			104			102		8.5
Pin			Pin			Pin		8.6

OTHER

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 H1.6-2.0FT

	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	**3 330** **3 830** **4 330**	5° 5° 5°	2 175 2 425 2 775	4 555 ❖ 5 055 ❖ 5 555 ❖	140 140 140
2-Stage full free lift	**3 125**	5°	2 125	4 440	1 550
3-Stage full free lift	**4 450** **4 900** **5 500**	3° 3° 3°	2 025 2 175 2 425	5 670 6 120 6 720	1 465 ▽ 1 605 ▽ 1 855 ▽

H1.6-2.0FT - Capacity chart in kg @ 500mm load centre

	Pneumatic Shaped Solid Tyres						
	Maximum fork height (mm)	Without sideshift			With intergral sideshift		
		H1.6FT	H1.8FT	H2.0FTS	H1.6	H1.8	H2.0FTS
2-Stage limited free lift	**3 330**	1 600	1 800	2 000	1 600	1 750	1 970
	3 830	1 600	1 800	2 000	1 600	1 740	1 960
	4 330	1 600	1 740	1 940	1 600	1 680	1 900
2-Stage full free lift	**3 215**	1 800	1 800	2 000	1 600	1 760	1 970
3-Stage full free lift	**4 450**	1 570	1 740	1 910	1 570	1 680	1 880
	4 900	1 490	1 650	1 790✖	1 480	1 590	1 790
	5 500	1 330	1 500✖	1 520✖	1 320	1 450✖	1 510✖

H1.6-2.0FT - Capacity chart in kg @ 600mm load centre

	Pneumatic Shaped Solid Tyres						
	Maximum fork height (mm)	Without sideshift			With intergral sideshift		
		H1.6FT	H1.8FT	H2.0FTS	H1.6	H1.8	H2.0FTS
2-Stage limited free lift	**3 330**	1 560	1 670	1 880	1 480	1 580	1 780
	3 830	1 550	1 660	1 870	1 470	1 570	1 770
	4 330	1 550	1 600	1 810	1 460	1 520	1 720
2-Stage full free lift	**3 215**	1 550	1 680	1 870	1 470	1 590	1 780
3-Stage full free lift	**4 450**	1 500	1 600	1 790	1 410	1 510	1 700
	4 900	1 410	1 510	1 700✖	1 330	1 430	1 610
	5 500	1 290	1 380✖	1 520✖	1 220	1 310✖	1 480✖

H1.6-2.0FT - Capacity chart in kg @ 500mm load centre

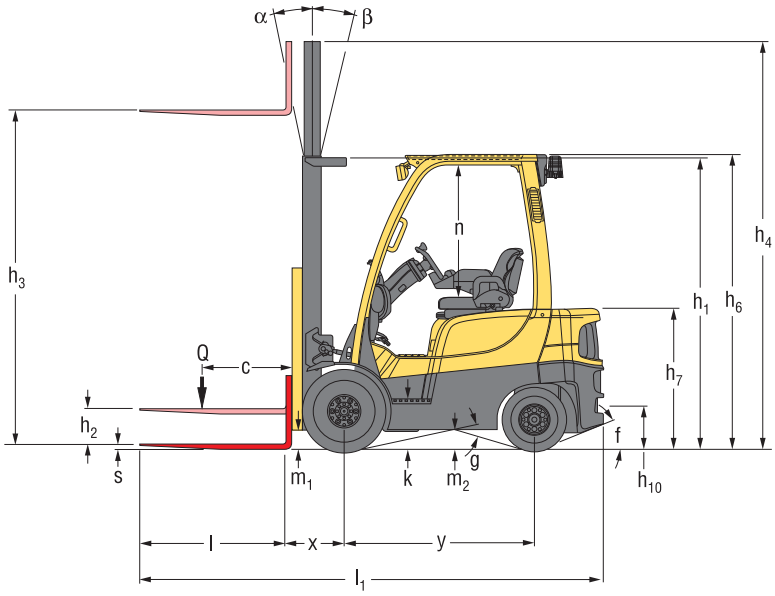
	Michelin XZM (Radial) Tyres						
	Maximum fork height (mm)	Without sideshift			With intergral sideshift		
		H1.6FT	H1.8FT	H2.0FTS	H1.6	H1.8	H2.0FTS
2-Stage limited free lift	**3 330**	1 600	1 800	2 000	1 600	1 750	1 970
	3 830	1 600	1 800	2 000	1 600	1 740	1 960
	4 330	1 600	1 740	1 940✖	1 600	1 680	1 900✖
2-Stage full free lift	**3 215**	1 600	1 800	2 000	1 600	1 760	1 970
3-Stage full free lift	**4 450**	1 570✖	1 680✖	1 690✖	1 570✖	1 670✖	1 680✖
	4 900	1 490◗	1 650◗	1 380✖	1 480◗	1 580◗	1 360✖
	5 500	1 300◗	1 320◗	1 040✖	1 280◗	1 290◗	1 010✖

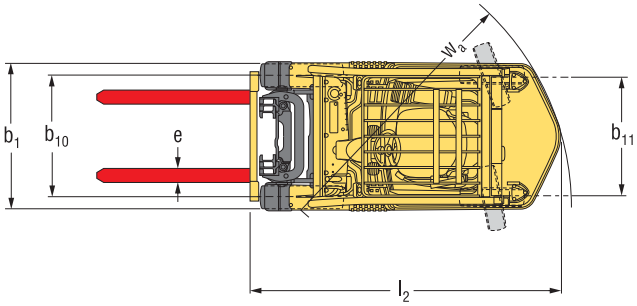
H1.6-2.0FT - Capacity chart in kg @ 600mm load centre

	Michelin XZM (Radial) Tyres						
	Maximum fork height (mm)	Without sideshift			With intergral sideshift		
		H1.6FT	H1.8FT	H2.0FTS	H1.6	H1.8	H2.0FTS
2-Stage limited free lift	**3 330**	1 560	1 670	1 880	1 480	1 580	1 780
	3 830	1 550	1 660	1 870	1 470	1 570	1 770
	4 330	1 550	1 600	1 810✖	1 460	1 520	1 710✖
2-Stage full free lift	**3 215**	1 550	1 680	1 870	1 470	1 590	1 780
3-Stage full free lift	**4 450**	1 500✖	1 600✖	1 680✖	1 410✖	1 510✖	1 670✖
	4 900	1 410◗	1 510◗	1 380✖	1 330◗	1 430◗	1 360✖
	5 500	1 280◗	1 320◗	1 040✖	1 210◗	1 290◗	1 010✖

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

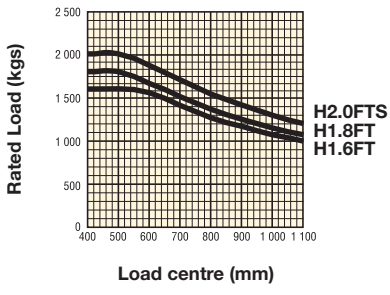
Ast = W_a + x + l_6 + a (see lines 4.33 & 4.34)

a = Minimum operating clearance
(V.D.I. standard = 200 mm BITA recommendation = 300 mm)

l_6 = Load length

Dimensions (mm)	H1.6FT	H1.8FT	H2.0FTS
f	42%	42%	39%
g	25°	25°	25°
k	371	371	371
n	1 068	1 080	1 068

Rated Capacities



Load centre

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

Rated load

Based on vertical masts up to 3 830 mm.

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

⬟ Wide Tread Not Available on H2.0FTS

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

Mast tables:

❖ With load backrest

▽ Without load backrest

◗ Wide tread or Dual Drive Wheels required

✖ Intermediate Tread Width Drive Tyres must be specified

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 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 been designed to match the vast range of application requirements and business objectives that customers demand.

The H1.6-2.0FTS 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 ownership and simple serviceability.

Model / Bundle	**H1.6FT**		
DIESEL	**Engine**	**Transmission**	**Brakes**
Fortens	Yanmar 2.6l	Powershift Transmission 1 speed	Drum
Fortens Advance	Yanmar 2.6l	DuraMatch™ Electronic 1 speed	ADS Drum
Model / Bundle	**H1.8FT**		
DIESEL	**Engine**	**Transmission**	**Brakes**
Fortens	Yanmar 2.6l	Powershift Transmission 1 speed	Drum
Fortens Advance	Yanmar 2.6l	DuraMatch™ Electronic 1 speed	ADS Drum
Model / Bundle	**H2.0FTS**		
DIESEL	**Engine**	**Transmission**	**Brakes**
Fortens	Yanmar 2.6l	Powershift Transmission 1 speed	Drum
Fortens Advance	Yanmar 2.6l	DuraMatch™ Electronic 1 speed	ADS Drum

Model / Bundle	**H1.6FT**		
LPG	**Engine**	**Transmission**	**Brakes**
Fortens	Mazda 2.0l	Powershift Transmission 1 speed	Drum
Fortens Advance	Mazda 2.0l	DuraMatch™ Electronic 1 speed	ADS Drum
Model / Bundle	**H1.8FT**		
LPG	**Engine**	**Transmission**	**Brakes**
Fortens	Mazda 2.0l	Powershift Transmission 1 speed	Drum
Fortens Advance	Mazda 2.0l	DuraMatch™ Electronic 1 speed	ADS Drum
Model / Bundle	**H2.0FTS**		
LPG	**Engine**	**Transmission**	**Brakes**
Fortens	Mazda 2.0l	Powershift Transmission 1 speed	Drum
Fortens Advance	Mazda 2.0l	DuraMatch™ Electronic 1 speed	ADS Drum

Please refer to the Price List for full option configurations.

Product Features

The Standard Fortens model features an Electronic Powershift Transmission.

The 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 transmissions are compatible with 2 available aluminium core radiators and a superior counterweight tunnel design coupled with a “pusher” type fan, to provide the industry’s best cooling.

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, minimising 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 37.1 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, 30cm 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 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.

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