





DIESEL AND LPG FORKLIFT TRUCKS









FORTENS ADVANCE & FORTENS ADVANCE+ HR OFT HO OFT

tu	KII	ENS ADVANCE & FURTENS ADVANCE+	H , I 1U.8N	110.8							
	1.1	Manufacturer (abbreviation)		НУ	STER	HYS	TER	HYS	TER	HYS	TER
	1.2	Manufacturer's type designation		H8.	OFT6	H8.0	FT6	H8.	OFT6	H8.	OFT9
		Model			M Advance /	FORTENS™		I	M Advance /		M Advance /
¥	_				M Advance+	FORTENS™			M Advance+		M Advance+
DISTINGUISHING MARK		Engine / transmission			3.8L 55kW		8.8L 55kW	GM 5.			3.8L 55kW
IĬ					ige IIIB, ™3, 3-speed /	E4, Stage IV, DuraMatch™3, 3-speed /		DuraMatch™3, 3-speed / DuraMatch™ Plus3, 3-speed		E4, Stage IIIB, DuraMatch™3, 3-speed	
≅					Plus3, 3-speed					DuraMatch™ Plus3, 3-spee	
		Brake type			Wet Brakes		rakes	Wet Brakes			Brakes
<u>S</u>	1.3	Drive: electric (battery or mains), diesel, petrol, fuel gas			esel	Die		LI	PG		esel
	1.4	Operator type: hand, pedestrian, standing, seated, order-picker		Sea	ated	Sea	ted	Sea	ated	Sea	ated
	1.5	Rated capacity/rated load	Q (t)	8	.0	8.	.0	8	3.0	9	.0
	1.6	Load centre distance	c (mm)	6	00	60	00	6	00	9	00
	1.8	Load distance, centre of drive axle to fork	x (mm)		3.5	61:			3.5		3.5
	1.9	Wheelbase	y (mm)	2 4	450	2 4	50	2 4	450	24	450
WEIGHTS	2.1	Service weight ▲	kg		487		487	114			417
ış	2.2	Axle loading laden, front/rear	kg	17452	5489 5998	17452 2035	5489 5998	17452 2035	5489 5998	18470 1947	5365
	2.3	Axle loading unladen, front/rear	kg	2035	2990	2030	2990	2033	3996	1947	7052
	3.1	Tyres: L=pneumatic, V=solid, SE=pneumatic-shaped solid			L		L				L
2	3.2	Tyre size, front			14PR ¹		14PR ¹	8.25x15		8.25x15	
S. S	3.3	Tyre size, rear			5 14PR ¹		14PR ¹	8.25x15			5 14PR ¹
TYRES/CHASSIS	3.5	Number of wheels, front/rear (x = driven)		4X	21	4X	21	4X	21	4X	21
▮	3.6	Tread, front	b ₁₀ (mm)	20	003	20	103	20	03	20	003
	3.7	Tread, rear	b ₁₁ (mm)	15	535	1 !	535	1 5	35	15	535
	4.1	Tilt of mast/fork carriage forward/backward	α/β (°)	5	9 ²	5	9 ²	5	9 ²	5	9 ²
	4.2	Height of mast, lowered	h ₁ (mm)	27	712	27	12	27	12	27	112
	4.3	Free lift, ¶	h ₂ (mm)		05	1	05	10		105	
	4.4	Lift ¶	h ₃ (mm)		065		165	30		3065	
	4.5	Height of mast, extended +	h ₄ (mm)		239		39		39	4239 2531	
	4.7	Height of overhead guard (cabin) ■	h ₆ (mm)		531		31	25			
	4.8	Seat height/stand height O Coupling height	h ₇ (mm) h ₁₀ (mm)		558 74		558 74	47	58	1558 474	
	4.12	Overall length	I ₁ (mm)		197		197	50			238
	4.20	Length to face of forks	I ₂ (mm)		397		197	38			138
器	4.21	Overall width ♦	b ₁ /b ₂ (mm)	22	239	22	139	22	39	22	239
DIMENSIONS	4.22	Fork dimensions	s/e/I (mm)	65 2	00 1200	65 2	00 1200	65 20	1200	65 2	00 1200
	4.23	Fork carriage to DIN 15173. Class, A/B			/ A		' A		Α		/ A
	4.24	Fork carriage width ●	b ₃ (mm)		30 ³		30 ³	2 00			30 ³
	4.31	Ground clearance, laden, below mast Ground clearance, centre of wheelbase	m ₁ (mm) m ₂ (mm)		73 53		73 53	17			73 53
	4.34.1	Aisle width with pallets 1 000 long x 1 200 wide ◆	A _{st} (mm)		187		187	54			608
	4.34.2	Aisle width with pallets 800 wide x 1 200 long ◆	A _{st} (mm)		687		687	56			308
	4.35	Turning radius	W _a (mm)	36	673	36	573	36	73	37	794
	4.36	Internal turning radius	b ₁₃ (mm)		62		62		62		62
	4.41	90° intersecting aisle (With pallet W = 1200mm, L = 1000mm))46		146	30			116
	4.42	Step Height (from ground to running board) Step Height (between intermediate steps between running board and floor)	mm		21 56		21 56	32 25			21 56
	4.43	Step fieight (between intermediate steps between fullilling board and noor)	111111		30		30	2.	JO		30
	F 1	Tours and Index/velodes	1 0	10.0	00.0	01.5	00.5	01.5	20.5	10.0	00.0
Į	5.1 5.1.1	Travel speed, laden/unladen Travel speed, laden/unladen, backwards	km/h km/h	19.2	20.3 18.0	21.5 19.1	22.5 19.8	21.5 19.1	22.5 19.8	19.0 17.2	20.3
뺼	5.2	Lift speed, laden/unladen (2LFL)	m/sec	0.34	0.34	0.45	0.45	0.45	0.45	0.32	0.34
3	5.3	Lowering speed, laden/unladen (2LFL)	m/sec	0.41	0.37	0.41	0.37	0.41	0.37	0.41	0.37
PERFORMANCE DATA	5.5	Drawbar pull, laden/unladen @ 1.6 km/h	kN	52836	32297	53379	32297	53379	32297	52570	31568
ة	5.7	Gradeability, laden/unladen @ 1.6 km/h †	%	28	29	28	29	28	29	26	26
	_										
	7.5	Fuel consumption according to VDI cycle ^	l/h or kg/h	9	9.9	1	0.6	-	-	1	0.4
	10.1	Working pressure for attachments	bar		55		55	15			55
	10.2	Oil volume for attachments >	l/min		1.7		13		3		1.7
ğ	10.3	Hydraulic oil tank, capacity Fuel tank, capacity	litres litres		1.7 4.8		1.7 1.8	71 74			1.7 4.8
喜	10.4.1	DEF tank, capacity	litres		+.0		9		0		+.0
ADDITIONAL DATA	10.7	Sound pressure level at the driver's seat (without / with cab) L _{PAZ} \diamondsuit	dB(A)	79	79	79	79	82	79	79	79
1	10.7.2	Sound power level during the drive cycle L _{WAZ} \diamondsuit	dB	9	98	1	01	10)3	9	98
	10.7.1	Guaranteed sound power 2000/14/EC L _{WAZ}	dB		02		05	10			02
	10.8	Towing coupling, type DIN		P	'in	P	in	P	in	P	in

Specification data is based on VDI 2198.

n i	/STER	HYS	TER	HYS	STER	HYS	TER	HYS	STER	1.1	
H8	.0FT9	H8.0	DFT9	H9.	OFT6	H9.	OFT6	H9.0	OFT6	1.2	
Fortens	Advance /	Fortens A	Advance /	Fortens /	Advance /	Fortens /	Advance /	Fortens A	Advance /		
Fortens	Advance+	Fortens A	Advance+	Fortens /	Advance+	Fortens /	Advance+	Fortens A	Advance+		
Kubota	3.8L 55kW	GM 5.	7L V8,	Kubota 3	3.8L 55kW	Kubota 3	3.8L 55kW	GM 5	.7L V8,		DISTINGUISHING MARK
E4, S	tage IV,	DuraMatch™3, 3-speed /		E4, Stage IIIB,		E4, Stage IV,		DuraMatch™3, 3-speed /			3
	[™] 3, 3-speed /	DuraMatch™ Plus3, 3-speed		DuraMatch™3, 3-speed /		DuraMatch™3, 3-speed /		DuraMatch™	Plus3, 3-speed		S
	M Plus3, 3-speed			· · · · · · · · · · · · · · · · · · ·		DuraMatch™ Plus3, 3-speed				\square	I
	Brakes		Brakes	_	Wet Brakes		Wet Brakes		Wet Brakes		3
	iesel	LPG			esel		esel		PG	1.3	复
	eated		ited		ated		ated		ated	1.4	
	9.0		.0		0.0		.0		.0	1.5	
	900		00		00		00		00	1.6	
	13.5		3.5	_	3.5		3.5		3.5	1.8	
2	450	2.4	150	2 -	450	2	450	2.4	150	1.9	
1.	2417	12	417	11	956	11	956	11	956	2.1	1
18470	5365	18470	5365	18798	5340	18798	5340	18798	5340	2.2	WEIGHTS
1947	7052	1947	7052	2158	6616	2158	6616	2158	6616	2.3	2
_											
	L		L		L		L		L	3.1	
8 25	K 15 -14PR ¹		15 -14PR ¹		15 -14PR ¹		15 -14PR ¹		15 -14PR	3.2	₹
	k 15 -14PR ¹		15 -14PR ¹		15 -14PR ¹		15 -14PR ¹		15 -14PR	3.3	E S
4X	21	4X	2 1	4X	2 1	4X	2 1	4X	2 1	3.5	è
	1003		03		003		003		003	3.6	TYRES/CHASSIS
	535		35		535		i35		535	3.5	22
	JJJ	15	UJ	13	JJJ	1:	JJJ	13	JUJ	3.1	
5	9 ²	5	9 ²	5	9 ²	5	9 ²	5	9 ²	4.1	
	712		12		712		112		712	4.2	
	105		05		05		05		05	4.3	
	065		65		065		065		065	4.4	
	239		39		239		239		239	4.5	
2	531	25	31	25	531	25	531	25	531	4.7	
1	558	15	58	15	558	15	558	15	558	4.8	
	474	4	74	4	74	4	74	4	74	4.12	
5	238	52	38	52	238	52	238	52	238	4.19	
	038		38)38)38		038	4.20	
. 2	239		39	22	239	22	239	22	239	4.21	1
65	200 1200		00 1200	65 2	00 1200		00 1200		00 1200	4.22	22
	VA	IV	Α	1\	/ A	I۱	/ A	I۱	/ A		∞
2				11	2n 3					4.23	SIONS
2	030 ³	2 0	30 ³	20	30	2 0	30 ³	20	30 ³	4.23 4.24	DIMENSIONS
	030 ³ 173		30 ³ 73	2 0	73		30 ³ 73		30 ³ 73	_	SIONS
		1		2 0 1		1		1		4.24	SIONS
5	173 253 6608	11 21 56	73 53 608	2 0 1 2 56	73 53 608	1 2 56	73 53 608	1 2 56	73 53 608	4.24 4.31 4.32 4.34.1	SIONS
5 5	173 253 608 808	1 2 56 56	73 53 08 08	2 0 1 2 56 58	73 53 608 808	1 2 56 58	73 53 608 808	1 2 56 58	73 53 608 808	4.24 4.31 4.32 4.34.1 4.34.2	SIONS
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21.4 19.0 0.44 0.41 53379 27	1773 2253 16008 1808 1794 1362 11116 1321 1256 22.4 19.8 0.45 0.37 31568 26	21.4 19.0 0.44 0.41 53379 27	73 53 68 26 68 68 68 68 68 68 68 68 68 68 68 68 68	2 0 0 1 1 2 2 5 6 6 5 6 5 6 5 6 7 3 3 3 3 3 2 2 7 1 1 7 . 1 0 . 2 7 0 . 4 1 5 2 6 6 8 2 5 1 1	73 53 508 808 808 8794 662 1116 221 56 20.2 17.9 0.34 0.37 31421 27	1 2 5 5 6 5 5 6 5 6 5 6 5 6 7 5 7 6 7 6 7 6	73 53 508 808 808 809 62 116 221 56 22.4 19.8 0.45 0.37 31421 27	1 1 2 2 56 56 56 56 56 56 56 56 56 56 56 56 56	73 553 5608 5608 5608 5608 5608 5794 562 1116 221 556 22.4 19.8 0.45 0.37 31421 27	4.24 4.31 4.32 4.34.1 4.34.2 4.35 4.36 4.41 4.42 4.43 5.1.1 5.2 5.3 5.5 5.5	PERFORMA
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21.4 19.0 0.44 0.41 53379 27	1773 2253 1608 1808 1794 1362 11116 1321 1256 22.4 19.8 0.45 0.37 31568 26 111.2	21.4 19.0 0.44 0.41 53379 27	73	200 11 22 556 56 37 33 33 22 19.1 17.1 0.27 0.41 52668 25 11 15 7 7 79	73 53 508 508 794 662 1116 21 566 20.2 17.9 0.34 0.37 31421 27 0.7 555 33 1.7	21.4 19.0 0.40 0.41 53379 27	73 53 508 608 609 62 116 21 56 22.4 19.8 0.45 0.37 31421 27 1.5 55 33 1.7 4.8	21.4 19.0 0.40 0.41 53379 27	73 553 608 808 8094 662 1116 221 556 22.4 19.8 0.45 0.37 31421 27	4.24 4.31 4.32 4.34.1 4.34.2 4.35 4.36 4.41 4.42 4.43 5.1 5.1.1 5.2 5.3 5.5 5.5 7.5	PERFORMANCE DATA
21.4 19.0 0.44 0.41 53379 27	1773 2253 16008 1808 1794 1362 11116 1221 1256 22.4 19.8 0.45 0.37 31568 26 11.2 155 93 171.7 174.8 19 79 101	21.4 19.0 0.44 0.41 53379 27	73	200 11 22 556 561 37 33 32 22 19.1 17.1 0.27 0.41 52668 25 11 5.668 7 7 79 5.668	73 53 508 508 508 508 509 62 116 221 56 20.2 17.9 0.34 0.37 31421 27 0.7 55 33 1.7 4.8 - 79 38	1 1 2 2 5 6 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	73 53 508 808 809 994 662 116 221 56 22.4 19.8 0.45 0.37 31421 27 1.5 55 33 1.7 4.8 99 79 01	1 1 2 2 56 56 56 56 56 56 56 56 56 56 56 56 56	73 53 508 808 808 794 662 1116 221 56 22.4 19.8 0.45 0.37 31421 27 55 33 1.7 4.8 - 79 03	4.24 4.31 4.32 4.34.1 4.34.2 4.35 4.36 4.41 4.42 4.43 5.1.1 5.2 5.3 5.5 5.5 7.5 7.5	PERFORMANCE DATA ADDITIONS
21.4 19.0 0.44 0.41 53379 27	1773 2253 16008 1808 1794 1794 1794 1794 1794 1794 1794 1794	21.4 19.0 0.44 0.41 53379 27 10 82	73	200 11 22 556 561 37 33 31 22 19.1 17.1 0.27 0.41 52668 25 11 5,5668 27 77 79 5,1	73 53 508 808 808 8794 662 1116 21 566 20.2 17.9 0.34 0.37 31421 27 0.7 555 33 1.7 4.8	1 2 2 5 6 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	73 53 508 808 808 894 662 116 21 566 22.4 19.8 0.45 0.37 31421 27 1.5 555 33 1.7 4.8	1 1 2 2 56 55 55 55 55 55 55 55 55 55 55 55 55	73 53 508 508 508 508 508 509 794 662 1116 221 56 22.4 19.8 0.45 0.37 31421 27	4.24 4.31 4.32 4.34.1 4.34.2 4.35 4.36 4.41 4.42 4.43 5.1.1 5.2 5.3 5.5 5.5 7.5 7.5	PERFORMANCE DATA ADDITIONS

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. Inform your dealer of the nature and condition of the intended operating area when purchasing your Hyster Truck.

- ▲ With standard equipment: mast, carriage, forks, etc.
- ¶ Top of forks
- → Without load backrest
- h6 subject to +/- 5 mm tolerance, 2 549 mm for cab option.
- O Relative to full suspension seat SIP
- Add 32 mm with load backrest
- ♦ Stacking aisle width (lines 4.34.1 & 4.34.2) is based on the VDI 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 truck.
- Gradeability figures 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.
- ♦ Measured according to the test cycles and based on the weighting values contained in EN12053.
- 1 Other tyre options are available
- 2 Backtilt limited to 6 degrees with some mast options
- 3 Carriage is 2 030mm wide, load backrest

EQUIPMENT AND WEIGHT:

Single tyre option requires application survey special quotation to be submitted to sped for approval prior to order.

Weights and axle loadings (lines 2.1, 2.2, 2.3) are based on the following specifications:

8.0T-6: Complete truck with with 5500 mm BOF (5565 mm TOF) 2-stage limited free lift mast, 2030 mm wide standard carriage and 1 200 mm long forks.

8.0T-9: Complete truck with with 4500 mm BOF (4565 mm TOF) 2-stage limited free lift mast, 2030 mm wide standard carriage and 1800 mm long forks.

9.0T-6: Complete truck with with 4500 mm BOF (4565 mm TOF) 2-stage limited free lift mast, 2030 mm wide standard carriage and 1200 mm long forks.

MAST TABLES:

- ❖ Deduct 125 mm without load backrest
- Deduct 125 mm with load backrest
- No capacity deration when single drive tyres fitted
- ▲ Single Drive Tyres available on H8.0FT6 only
- ✓ If forks longer than 1800mm are required then a hook type standard carriage option will need to be selected and a third party ISS/FP will need to be procured locally.

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 must read, understand and follow the instructions contained in the Operating Manual.

All values are nominal values and they are subject to tolerances. For further information, please contact the manufacturer.

Hyster products might be subject to change without notice.

Lift trucks illustrated may feature optional equipment. Values may vary with alternative configurations.

C **C Safety:**This truck conforms to the current EU requirements.

MAST AND CAPACITY INFORMATION

MASTS H8.OFT6 AND H9.OFT6

Maximum fork height Top of Overall Extended Free lift (top of forks) lowered height (mm 2 712 2 962 3 065 3 565 4 350 ***** 4 850 ***** 2-Stage Limited Free Lift 4 565 5 565 3 462 3 962 5 850 ***** 6 850 ***** 6 065 4 212 7 350 💠 1 565 **€** 1 865 **€** 5 515 3 002 3 152 6 977 🌣 7 427 💠

MASTS H8.0FT9

	Maximum fork height Top of Forks mm (h ₃ +s)	Back tilt	Overall lowered height (mm)	Overall Extended height (mm)	Free lift (top of forks) (mm)
2-Stage Limited Free Lift	3 065 3 565 4 565 5 565 6 065	9° 9° 9° 9°	2 712 2 962 3 462 3 962 4 212	4 398 * 4 898 * 5 898 * 6 898 * 7 398 *	0 0 0 0
3-Stage Full Free Lift	4 615 5 515 5 965 6 565	6° 6° 6° 6°	2 712 3 012 3 162 3 362	6 077 * 6 977 * 7 475 * 8 027 *	1 405 4 1 705 4 1 855 4 2 055 4

H8.0FT6-H8.0FT9 - Capacity Chart in kg, Dual Pneumatic Tyres ⊚

		With carriage only								
	Maximum fork	H8	.0FT6 mast \land	Н	8.0FT9 mast	H9.0FT mast				
	height mm (h ₃ +s)	Capacity at max height	Capacity to lift height	Capacity at max height	Capacity to lift height	Capacity at max height	Capacity to lift height			
2-Stage Limited Free Lift	3 065 3 565 4 565 5 565 6 065	8 000 8 000 8 000 8 000 7 710	8 000kg to 5 815mm	8 000 8 000 8 000 7 920 7 770	8000 kg to 5265 mm 8000 kg to 5265 mm	8 500 8 490 8 470 8 190 7 620	9 000kg to 5 315mm 9 000kg to 5 315mm			
3-Stage Limited Free Lift	4 615 8 000 5 515 8 000 5 965 7 940		8 000kg to 5 915mm	8 000 7 770 7 650	8000 kg to 4615 mm 8000 kg to 4615 mm	8 500 8 320 7 810	9 000kg to 5 365mm 9 000kg to 5 365mm			

		With carriage + sideshift								
	Maximum fork	H8	H8.0FT6 mast ▲		8.0FT9 mast	H9.0FT mast				
	height mm (h ₃ +s)	Capacity at max height	Capacity to lift height	Capacity at max height	Capacity to lift height	Capacity at max height	Capacity to lift height			
	3 065	7 580		7 580		8 500				
2 C+	3 565	7 570		7 560		8 490				
2-Stage Limited	4 565	7 540		7 530		8 470				
Free Lift	5 565	7 520		7 420	7 500kg to 5 265mm	8 190	8 450kg to 5 315mm			
1100 2.110	6 065	7 240	7 510kg to 5 815mm	7 270	7 480kg to 5 265mm	7 620	8 440kg to 5 315mm			
3-Stage	4 615	7 560		7 560		8 500				
Limited	5 515	7 540		7 320	7 530kg to 4 615mm	8 320	8 480kg to 5 365mm			
Free Lift	5 965	7 480	7 530kg to 5 915mm	7 180	7 510kg to 4 615mm	7 810	8 470kg to 5 365mm			

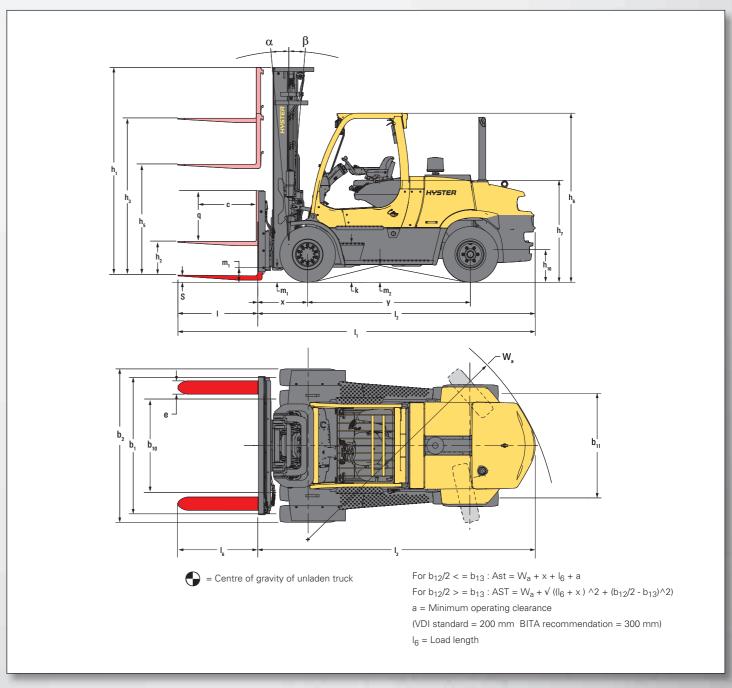
		With carriage + sideshifting fork positioner ✓								
	Maximum fork H8.0		.0FT6 mast \land	H	8.0FT9 mast	H9.0FT mast				
	height mm (h ₃ +s)	Capacity at max height	Capacity to lift height	Capacity at max height	Capacity to lift height	Capacity at max height	Capacity to lift height			
	3 065	7 530		7 550		8 460				
2-Stage	3 565	7 520		7 530		8 440				
Limited	4 565	7 500		7 500		8 420				
Free Lift	5 565	7 470		7 390	7460 kg to 5265 mm	8 140	8 400kg to 5 315mm			
	6 065	7 200	7 460kg to 5 815mm	7 240	7440 kg to 5265 mm	7 570	8 390kg to 5 315mm			
3-Stage	4 615	7 530		7 530		8 470				
Limited	5 515	7 510		7 290	7500 kg to 4615 mm	8 290	8 450kg to 5 365mm			
Free Lift	5 965	7 450	7 500kg to 5 915mm	7 150	7480 kg to 4615 mm	7 780	8 430kg to 5 365mm			

POWERTRAINS

۔ ا	1.1	Manufacturer (abbreviation)		HYS	TER	HYS	TER
GENERAL	1.2	Manufacturer's type designation		H8.0-	9.0FT	H8.0-9.0FT	
8	1.3	Drive: electric (battery or mains), diesel, petrol, LPG	Die	sel	Diesel		
	7.1	Engine manufacturer/type		Kubota 3	3.8L 55kW	Kubota 3	3.8L 82kW
Ħ	7.1.1	EPA / CE Tier compliance	Tier 4i / S	Stage IIIB	Tier 4f /	Stage IV	
COMBUSTION ENGINE	7.2	Engine power according to ISO1585	į	55	82		
	7.3	Rated speed at max. power	rpm	22	200	2400	
E S	7.3.1	Torque at 1/min	Nm/min–1	308	1400	373	16
	7.4	Number of cylinders/displacement	(-)/cm ³	4	3769	4	37
ľ	7.10	Battery voltage/nominal capacity	(V)/(Ah)	12	210	12	21
S	8.1	Type of drive unit		Hydrod	ynamic	Hydrod	ynamic
4 €	8.2	Manufacturer/type		DA	NA	DA	NA
	8.6	Wheel drive/drive axle manufacturer/type		DA	NA	DAI	NA
DRIVE MECHANISM	8.11	Service brake		Hydr	aulic	Hydra	aulic
1	8.12	Parking brake		Hand	Lever	Hand	Lever
				_			

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

TRUCK DIMENSIONS



RATED CAPACITIES

HYSTER

GM 5.7L V8

2400

Hydrodynamic

DANA

Hydraulic Hand Lever

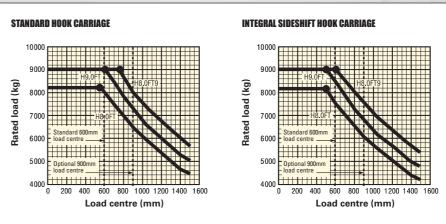
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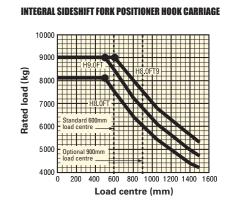
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422

12

H8.0-9.0FT





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

Rated load: Based on vertical 2-stage masts up to 5065 to 5565 mm, depending on model.

Special forks with higher load ratings may be needed to obtain full rating with load centres > 1100 mm

PRODUCT PACKAGES

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

The H8.0-9.0FT 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	H8.0FT6			H8.0FT9			H9.0FT6			
DIESEL	Engine	Transmission	Brakes	Engine	Transmission	Brakes	Engine	Transmission	Brakes	
Fortens Advance	Kubota 3.8L, 55kW	DuraMatch™3, 3-speed	Wet Brakes	Kubota 3.8L, 55kW	DuraMatch™3, 3-speed	Wet Brakes	Kubota 3.8L, 55kW	DuraMatch™3, 3-speed	Wet Brakes	
Fortens Advance	Kubota 3.8L, 82kW	DuraMatch™3, 3-speed	Wet Brakes	Kubota 3.8L, 82kW	DuraMatch™3, 3-speed	Wet Brakes	Kubota 3.8L, 82kW	DuraMatch™3, 3-speed	Wet Brakes	
Fortens Advance+	Kubota 3.8L, 55kW	DuraMatch™ Plus3, 3-speed	Wet Brakes	Kubota 3.8L, 55kW	DuraMatch™ Plus3, 3-speed	Wet Brakes	Kubota 3.8L, 55kW	DuraMatch™ Plus3, 3-speed	Wet Brakes	
Fortens Advance+	Kubota 3.8L, 82kW	DuraMatch™ Plus3, 3-speed	Wet Brakes	Kubota 3.8L, 82kW	DuraMatch™ Plus3, 3-speed	Wet Brakes	Kubota 3.8L, 82kW	DuraMatch™ Plus3, 3-speed	Wet Brakes	

Model / Bundle	H8.0FT			H8.0FT9			H9.0FT			
LPG Engine Transmission		Transmission	ssion Brakes		Transmission	Brakes	Engine	Transmission	Brakes	
Fortens Advance	GM 5.7L V8	DuraMatch™3, 3-speed	Wet Brakes	GM 5.7L V8	DuraMatch™3, 3-speed	Wet Brakes	GM 5.7L V8	DuraMatch™3, 3-speed	Wet Brakes	
Fortens Advance+	GM 5.7L V8	DuraMatch™ Plus3, 3-speed	Wet Brakes	GM 5.7L V8	DuraMatch™ Plus3, 3-speed	Wet Brakes	GM 5.7L V8	DuraMatch™ Plus3, 3-speed	Wet Brakes	

STAGE IV

Please refer to the Price List for full option configurations.

PRODUCT FEATURES

The Hyster Fortens H8.0-9.0FT Series represents a powerful, compact materials handling solution for a wide range of demanding applications.

These trucks are ideally suited to match the a variety of application needs, including those with attachment usage in the paper, manufacturing, recycling, beverage, metals or construction industries or where space is tight.

It's compact design ensures that space and on-site efficiency can be maximised to maintain low operating costs.

Fortens Advance & Advance+ models feature the electronically controlled Kubota V3800 E4 55kW or 82kW diesel engines or GM 5 .7L V8 LPG engine.

LOW EMISSION ENGINES FORM KUBOTA

The Kubota V3800 E4 55kW diesel engine is fully compliant with Stage IIIB requirements for regulated markets and is equipped with a DOC as standard.

markets and is equipped with a DOC as standard.

These engines meet the stringent emissions regulations by using a number of technologies including cooled exhaust gas recirculation, charge air cooling and a Diesel Oxidising Catalyst.

The Kubota V3800 E4 82kW Stage IV compliant diesel engine use familiar technologies like Exhaust Gas Recirculation (EGR) in combination with a Diesel Particulate Filter (DPF). For these engines we are currently using Selective Catalytic Reduction (SCR) technology to significantly reduce Nitrogen Oxide (NOx) emission levels. Using these technologies together achieves full emission compliance to Stage IV.

Hyster Stage IIIB and Stage IV trucks stand for profitable low emissions through intelligent design. They are recognisable by the Stage IIIB or Stage IV symbol.

THE CHOICE OF TRANSMISSIONS

The Fortens Advance models feature the **DuraMatch™3 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 VSMTM 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

- Controlled Roll-Back on Ramp; the transmission controls the rate of descent 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.
- First Gear offers Increased Drawbar Pull for use on gradients.
- Second & Third Gears provide maximum engine efficiency in applications where longer travel distances are common

PRODUCT FEATURES continued

The Fortens Advance+ models feature the electronically controlled three-speed extended function **DuraMatch™ Plus3 transmission**. 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™3, 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 VSMTM 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.

The transmissions are compatible with the combi-cooler radiator and a superior counterweight tunnel design coupled with a "pusher" type fan, to provide the industry's best cooling.

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

The powertrain is 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 the modern overhead guard design and significantly more floor space.
- The Easy-to-use 3-point entry design of operator compartment features conveniently positioned hand-grips and three non-slip steps, with an initial step height of just **32.1cm**. The isolated operator compartment minimises the effect of powertrain vibration
- The adjustable armrest that accompanies the E-hydraulic TouchPoint™ mini-levers 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.

- An active regenerating Diesel particulate filter significantly reduces the number of services interventions. DPF performance is constantly monitored and displayed on supplemental display at operator eye level.
- Simple service access to both sides of the engine compartment is via a gull-wing hood and a 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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