





IC COUNTERBALANCED LPG LIFT TRUCKS

H2.0-3.5FT FORTENS / FORTENS ADVANCE / FORTENS ADVANCE+



FORTENS H2.0FT, H2.5FT, H3.0FT, H3.5FT

Machine Control Cont	_		.N3 112.01 1, 112.31 1, 110.01 1, 110.31 1									
Model		1.1	Manufacturer (abbreviation)		нуя	STER	HYS	TER	HYS	TER	HYS	TER
Fig. 2.4. Fig		1.2	Manufacturer's type designation		H2.	0FT			H2.	5FT		
	×		Model									
			Engine / transmission									
	I≅		English / dulishiission									
			Brake Type		Drum B	Brakes	ADS Drum o	r Wet Brakes			ADS Drum o	r Wet Brakes
15 Book compression level and Colin 15 Book compression of colon 15 Book compression of colon 15 Book compression of colon 15 Book compression 15 Bo							LF	PG .				
Test Land scenario distance Common 100	▋≝		1 71 11 2 3 1	0.(1)								
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19 27 Section Assigner 19 27 28 28 28 29 27 29 27 27 27 27 27												
## 2007 1908 1909												
## 2007 1908 1909												
13 Types	Ę											
31 Tree: Legressmatic, V-routed, SE-preseruntic-chapped solid SE SE SE SE 30 17 17 17 17 17 17 17 1	Iğ											
20 20 10 20 20 20 20 20		2.0	PARE TOUGHTY UNITED TO THE PARE TO THE PAR	ng	1007	1700	1007	1700	1707	2110	1707	2110
1 1 1 1 1 1 1 1 1 1	<u>ر</u>		Tyres: L=pneumatic, V=solid, SE=pneumatic-shaped solid									
1 1 1 1 1 1 1 1 1 1	ŝ											
1 1 1 1 1 1 1 1 1 1	9		•									
1 1 1 1 1 1 1 1 1 1	V RES			b., (mm)		l .						
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Table Tab												
Fig.												
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## 2181 2181			<u> </u>	h ₄ (mm)								
1.00 1.00			<u> </u>									
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4.20 Legsth to face of forks Limin 4.20 Legsth to face of forks Limin 4.20 Legsth to face of forks Limin 4.21 Describ value for forks Limin 4.22 Describ value for forks Limin 4.23 Describ value for forks Limin 4.24 Describ value for forks Limin 4.25 Text carriage value for forks Limin				,								
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24 Fork dimensional DNI ISO 2331 skel* (Imm) 40 x 100 x 1000 40 x 1000 40 x 100 x 1000 40 x 100 x 1000 40 x 100 x 1000 40 x 1000 40 x 100 x 1000 40 x 1000 40 x 1000 40 x 1000 40 x 100 x 1000 40 x 1000			-	I ₂ (mm)								
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### 4.32 Ground clearance, laden, below mast m, (mm) ### 4.32 Ground clearance, centre of wheelbase m, (mm) ### 4.33 Condition 1000				b. (mm)								
4.33 Load dimension b ₀ , x l ₀ crossways b ₀ x l ₀ (mm) 3820 3820 3887 388			<u>-</u>	3								
4.34 Ais width propeletermined load dimensions 4.341 Ais width for pallets 300 × 1200 crossways ◆ A_ (mm) 4.342 Ais width for pallets 300 × 1200 lengthways ◆ A_ (mm) 4.342 Ais width for pallets 300 × 1200 lengthways ◆ A_ (mm) 4.343 Turning radius 4.345 Turning radius 4.35 Turning radius 4.36 Internal turning radius 4.36 Internal turning radius 4.37 Step height (from ground to running board) 4.48 Step height (from ground to running board) 4.49 Step height (from ground to running board) 4.40 Step height (from ground to running board and floor) 4.41 Step height (from ground to running board and floor) 4.42 Step height (from ground to running board and floor) 4.43 Step height (from ground to running board and floor) 4.44 Step height (from ground to running board and floor) 4.45 Step height (from ground to running board and floor) 4.46 Step height (from ground to running board and floor) 4.47 Step height (from ground to running board and floor) 4.48 Step height (from ground to running board and floor) 4.49 Step height (from ground to running board and floor) 4.40 Step height (from ground to running board and floor) 4.40 Step height (from ground to running board and floor) 4.41 Step height (from ground to running board and floor) 4.42 Step height (from ground to running board and floor) 4.43 Step height (from ground to running board and floor) 4.44 Step height (from ground to running board and floor) 4.45 Step height (from ground to running board and floor) 4.46 Step height (from ground to running board and floor) 4.47 Tavel speed, Jaden/unladen 4.48 Naha (and tavel) 4.49 Step height (from ground to running board and floor) 4.40 Step height (from ground to running board and floor) 4.40 Step height (from ground to running board and floor) 4.41 Step height (from ground to running board and floor) 4.42 Step height (from ground to running board and floor) 4.40 Step height (from ground to running board and floor) 4.41 Step height (from ground to running board and floor) 4.42 Step heigh				m ₂ (mm)			1	60	10	60		
4.341 Asile width for pallets 1000 × 1200 crossways ◆			12 0	12 0								
4.342 Asis width for pallets 800 x 1200 lengthways ◆ A _a (mm) 4.020			·									
4.35 Turning radius			,									
4.41 99° intersecting aisle (with pallet W = 1200mm, L = 1000mm) 4.42 Step height (from ground to running board) (mm) 707 702 707 702 382 3		4.35		5.	21	49	21	49	22	16	22	216
4.42 Step height (from ground to running board)				b ₁₃ (mm)								
4.43 Step height (between intermediate steps between running board and floor) (mm) 382												
17.3 18.0 17.3 18.0												
17.3 18.0 17.5 17.5 18.5 19.5 11.5 19.5 11.5 19.5 11.5 19.5 11.5 19.5 11.5 19.5 11.5 19.5 11.5 19.5 11.5 19.5 11.5 19.5 11.5 19.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5		4.40	oteb neight (between intermediate steps between running board and noor)	(IIIII)			_					-
Solid Sol		5.1	Travel speed, laden/unladen	km/h	17.3	18.0	17.3	18.0	17.3	18.0	17.3	18.0
1.1 Engine manufacturer / type T.1 Engine power according to ISO 1585 KW T.3 Rated speed Rate of cylinders/displacement T.4 Number of cylinders/displacement T.5 Fuel consumtion according to VDI cycle	Ħ		•									
1.1 Engine manufacturer / type T.1 Engine power according to ISO 1585 KW T.3 Rated speed Rate of cylinders/displacement T.4 Number of cylinders/displacement T.5 Fuel consumtion according to VDI cycle	8											
1.1 Engine manufacturer / type T.1 Engine power according to ISO 1585 KW T.3 Rated speed Rate of cylinders/displacement T.4 Number of cylinders/displacement T.5 Fuel consumtion according to VDI cycle	Į.											
1.1 Engine manufacturer / type T.1 Engine power according to ISO 1585 KW T.3 Rated speed Rate of cylinders/displacement T.4 Number of cylinders/displacement T.5 Fuel consumtion according to VDI cycle		5.7		%	24.7	29.8	24.7	29.8	21.1	29.0	21.1	29.0
T.1 Engine manufacturer / type 7.1 Engine power according to ISO 1585 KW 44.0	=			S		l .						
Total Part To	_	5.10	Service brake		Hydr	aulic	Hydr	aulic	Hydr	aulic	Hydr	aulic
Total Part To	_	7.1	Engine manufacturer / type		PSI	2.4L	PSI	2.4L	PSI	2.4L	PSI	2.4L
Number of cylinders/displacement C- /cm³		7.2	Engine power according to ISO 1585	kW	44	.0	44	ł.0	44	1.0	44	1.0
Ref			·									
8.1 Type of drive unit	[종_											
10.1 Operating pressure for attachments Dar 10.2 Oil volume for attachments Vimin 62 62 62 62 62 62 62 6	L	7.5	i dei consumition according to von cycle 🥮	i/ii or kg/ii		J	2	J		.1		.1
10.2 0il volume for attachments ♦ 1/min 62 62 62 62 62 62 62 6		8.1	Type of drive unit		Autor	natic	Auto	matic	Auto	matic	Auto	matic
10.3 Hydraulic oil tank, capacity litres 45.8 45.8 45.8 45.8 45.8 45.8 15.2 1												
10.7.2 Guaranteed sound power 2000/14/EC dB(A) 101 101 101 101	H											
10.7.2 Guaranteed sound power 2000/14/EC dB(A) 101 101 101 101	į											
10.7.2 Guaranteed sound power 2000/14/EC dB(A) 101 101 101 101	Ē											
	ā				_							
10.8 Towing coupling type Pin Pin Pin Pin Pin				dB(A)								
		10.8	Towing coupling type		Pi	in	Р	in	P	in	Р	in

Specification	data	is	based	on	VDI	2198

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	
H3.0FT	H3.0FT	H3.5FT	H3.5FT	1.1
Fortens	Fortens Advance	Fortens	Fortens Advance	1.2
PSI 2.4L	PSI 2.4L	PSI 2.4L	PSI 2.4L	
Electronic Powershift	DuraMatch™	Electronic Powershift	DuraMatch™	
1-Speed	1-Speed	1-Speed	1-Speed	
Drum Brakes	ADS Drum or Wet Brakes	Drum Brakes	ADS Drum or Wet Brakes	
LPG	LPG	LPG	LPG	1.3
Seated	Seated	Seated	Seated	1.4
3.0	3.0	3.5	3.5	1.5
500	500	500	500	1.6
483	483	483	483	1.8
1623	1623	1700	1700	1.9

43	29	43	129	46	646	46	46	2.1	1
6619	710	6619	710	7283	863	7283	863	2.2	
1802	2527	1802	2527	1761	2885	1761	2885	2.3	ᇙ

	3.1	SE	S		S	SE .	5	E	S
] [3.2	9 - 15	28 x	- 15	28 x 9	9 - 15	28 x	9 - 15	28 x
TYRES/GHASSIS	3.3	x 10	6.50	10	6.50	x 10	6.50	x 10	6.50
	3.5	2	2x	2	2x	2	2x	2	2x
35	3.6	65	9	i	96	65	9	35	96
	3.7	67	9	'	96	67	9	67	96

	4.1	5		6	5		6	5		6	5		6
	4.2		2195			2195			2195			2195	
	4.3		140			140			140			140	
	4.4		3055			3055			3055			3055	
	4.5		3805			3805			3805			3805	
	4.7		2185			2185			2185			2185	
	4.7.1		2206			2206			2206			2206	
	4.8		1086			1086			1086			1086	
	4.12		3904			390			390			390	
	4.19		3734			3734			3633			3633	
	4.20		2734			2734			2633			2633	
E	4.21	1601	1321	1186	1601	1321	1186	1601	1321	1186	1601	1321	1186
DIMENSIONS.	4.22	000	x 120 x 10	50	000	x 120 x 1	50	000	x 120 x 1	50	000	x 120 x 10	50
2	4.23		III A			III A			III A			III A	
9	4.24		1070			1070			1070			1070	
	4.31		132			132			132			132	
	4.32		185			185			185			185	
	4.33	0	000 x 120	1	0	000 x 120	1	0	000 x 120	1	0	000 x 120	1
	4.34		4063			4063			3960			3960	
	4.34.1		4063			4063			3960			3960	
	4.34.2		4263			4263			4160			4160	
	4.35		2380			2380			2277			2277	
	4.36		647			647			618			618	
	4.41		2111			2111			2077			2077	
	4.42		727			727			727			727	
	4.43		407			407			407			407	

19.1	20.3	19.1	20.3	19.1	20.3	19.1	20.3	5.1	
19.1	20.3	19.1	20.3	19.1	20.3	19.1	20.3	5.1.1	ᆲ
0.53	0.55	0.53	0.55	0.53	0.55	0.53	0.55	5.2	PERFORMANCE DATA
0.53	0.47	0.53	0.47	0.53	0.47	0.53	0.47	5.3	
17054	11708	17054	11708	16905	12594	16905	12594	5.5	
16.9	25.0	16.9	25.0	15.0	23.0	15.0	23.0	5.7	
5.3	4.5	5.3	4.5	5.6	4.6	5.6	4.6	5.9	5
Hydr	aulic	Hydr	aulic	Hydr	aulic	Hydr	aulic	5.10	

PSI 2	2.4L	PSI	2.4L	PSI	2.4L	PS	l 2.4L	7.1	
44.	.0	44	1.0	44	1.0	4	4.0	7.2	
270	00	27	'00	27	'00	2	700	7.3	
4	2351	4	2351	4	2351	4	2351	7.4	┱┈┋
3.1	1	3	.1	3	.4	;	3.4	7.5	

Automatic	Automatic	Automatic	Automatic	8.1	
0 - 155	0 - 155	0 - 155	0 - 155	10.1	
62	62	62	62	10.2	
45.8	45.8	45.8	45.8	10.3	
15.2	15.2	15.2	15.2	10.4	울
77	77	77	77	10.7	ADDITIONAL DATA
97	97	97	97	10.7.1	5
101	101	101	101	10.7.2	
Pin	Pin	Pin	Pin	10.8	

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.

- ¶ Top of forks
- ♦ Without load backrest
- h_s subject to +/- 5 mm tolerance.
 H2.0FT H2.5FT add 25mm when front tyre size 28X9-15 is selected
- O Full-suspension seat in depressed position
- Standard/Wide/Dual. When wet axle selected values are (1186 / 1321 / 1601) for all capacities
- Add 32 mm with load backrest
- ♦ Stacking aisle width (lines 4.34.1 & 4.34.2) are 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 the truck.
- ☐ For Fortens Advance models supplied with manual levers, the values for lifting speeds (line 5.2) and fuel consumption (line 7.5) are as stated on the Fortens VDI table.
- at 1.6km/h Drawbar pull performance figure (line 5.5) is only indicative for comparison purpose. These performances are only possible for a short period of time.
- † at 4.8km/h 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.
- With Load Sensing Hydraulics (LSH)
- ♦ Variable
- L_{PAZ} Measured according to the test cycles and based on the weighting values contained in EN12053
- L_{WAZ} measured according to the test cycles and based on the weighting values contained in EN12053

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.

C € Safety:

This truck conforms to the current EU requirements.

FORTENS ADVANCE+ H2.0FT, H2.5FT

				uve	TER	HYS	TED	HYS	TED	шус	STER
	1.1	Manufacturer (abbreviation)									
	1.2	Manufacturer's type designation Model		Fortens A		H2. Fortens A		H2. Fortens A			.5FT Advance +
¥		Model		Kubot		Kubot		Kubot			ta 2.5L
ING MARK		Engine / transmission		DuraM	atch™	DuraMa	atch™ 2	DuraM	atch™	DuraM	atch™ 2
				1-Sp		2-Sp		1-Sp			peed
DISTINGUISH	1.0	Brake Type		Wet B		Wet B		Wet B			Brakes PG
ISI	1.3	Drive: electric (battery or mains), diesel, petrol, LPG Operator type: hand, pedestrian, standing, seated, order-picker		Sea		Sea		Sea			ated
ľ	1.5	Rated capacity/rated load	Q (t)	2.			.0	2			2.5
	1.6	Load centre distance	c (mm)	50			00	50		-	00
	1.8	Load distance, centre of drive axle to fork	x (mm)	47			71	47			71
	1.9	Wheelbase	y (mm)	163	23	16	23	16	23	10	623
2	2.1	Service weight	kg	35	15	35	15	38	53	38	853
WEIGHTS	2.2	Axle loading laden, front/rear	kg	5003	512	5003	512	5732	621	5732	621
Ŀ	2.3	Axle loading unladen, front/rear	kg	1807	1708	1807	1708	1737	2116	1737	2116
г	3.1	Tyres: L=pneumatic, V=solid, SE=pneumatic-shaped solid		S	E	S	E	S	E		SE
TYRES/GHASSIS	3.2	Tyre size, front		7.00 x 1		7.00 x		7.00 x			12 - 12
8 8	3.3	Tyre size, rear		6.00		6.00		6.00			0 x 9
	3.5	Number of wheels, front/rear (X = driven) Tread, front	b ₁₀ (mm)	2x 96	2	2x 96	2	2x	2 65	2x	65
F	3.7	Tread, rear	b ₁₀ (mm)	96		96		96			67
	4.1	Tilt of mast / fork carriage forward / backward	α/β (°)	6	5	6	5	6	5	6	5
	4.2	Height, mast lowered Free lift ¶	h, (mm)	217		21		21			170 40
	4.4	Lift ¶	h ₃ (mm)	32		32		32			250
	4.5	Height, mast extended ★	h ₄ (mm)	39	00	39	00	39	00	39	900
	4.7	Height of overhead guard (cabin) ■	h ₆ (mm)	210		21		21			160
	4.7.1	Cab height (open cab) Seat height relating to SIP/stand height O	h, (mm)	100		10		21 10			181 061
	4.12	Coupling height	h ₁₀ (mm)	36		36		36			65
	4.19	Overall length	I ₁ (mm)	34	36	34	86	35	59	3!	559
	4.20	Length to face of forks	I ₂ (mm)	24		24		25			559
8	4.21	Overall width ♦ Fork dimensions DIN ISO 2331	b ₁ (mm) s/e/l (mm)	1157 13°	17 1601 0 x 1000	1157 13	17 1601 0 x 1000	1157 13	17 1601 0 x 1000		317 1601 10 x 1000
MENSIONS	4.23	Fork carriage ISO 2328, class/type A, B	5/6/1 (111111)	40 X 10		40 X 10		40 X 10			I A
	4.24	Fork carriage width ●	b ₃ (mm)	10	70	10	70	10	70	10	070
	4.31	Ground clearance, laden, below mast	m ₁ (mm)	10		10		10			07
	4.32	Ground clearance, centre of wheelbase Load dimension b ₁₂ × l _s crossways	m ₂ (mm) b ₁₂ × I ₆ (mm)	16 1000 x		1000 >		1000 >			60 x 1200
	4.34	Aisle width predetermined load dimensions	A _{et} (mm)	38		38		38			387
	4.34.1	Aisle width for pallets 1000 × 1200 crossways ◆	A _{st} (mm)	383	20	38	20	38	87	38	387
	4.34.2	Aisle width for pallets 800 × 1200 lengthways ◆	A _{st} (mm)	400		40		40			087
	4.35	Turning radius Internal turning radius	W _a (mm) b ₁₃ (mm)	62		21 ₋		22 62			216
	4.41	90° intersecting aisle (with pallet W = 1200mm, L = 1000mm)	13 ()	198		19		20			020
	4.42	Step height (from ground to running board)	(mm)	70		70			02		02
_	4.43	Step height (between intermediate steps between running board and floor)	(mm)	38	2	38	2	38	32	3	82
г	5.1	Travel speed, laden/unladen	km/h	16.7	17.0	20.8	21.2	16.7	17.0	20.8	21.2
ĕ	5.1.1	Travel speed, laden/unladen, backwards	km/h	16.7	17.0	16.3	16.6	16.7	17.0	16.3	16.6
Ä	5.2	Lift speed, laden/unladen	m/s	0.62	0.64	0.58	0.61	0.62	0.64	0.57	0.61
PERFORMANCE DATA	5.3 5.5	Lowering speed, laden/unladen Drawbar pull, laden/unladen ■	m/s N	0.58 19085	0.50 11000	0.58 20875	0.50 11000	0.58 18946	0.50 10500	0.58 20825	0.50 10500
E .	5.7	Gradeability, laden/unladen †	%	25.5	32.1	26.5	32.1	21.8	28.0	20825	28.0
曹	5.9	Acceleration time, laden/unladen	sec	4.5	4.0	4.9	4.3	4.7	4.1	5.1	4.4
	5.10	Service brake		Hydra	aulic	Hydr	aulic	Hydr	aulic	Hyd	raulic
г.	7.1	Engine manufacturer/type		Kubot	a 2.5L	Kubot	a 2.5L	Kubot	a 2.5L	Kubo	ta 2.5L
١ġ,,	7.2	Engine power according to ISO 1585	kW	43		43		43			3.9
MBUST	7.3	Rated speed	rpm	250		25		25			500
	7.4	Number of cylinders/displacement	cm ³	4	2491	4	2491	4	2491	4	2491
	7.5	Fuel consumption according to VDI cycle ⊚	l/h or kg/h	2.	U	2.	,	2.	.0		2.9
	8.1	Type of drive unit		Autor	natic	Auto	natic	Autor	matic	Auto	matic
	10.1	Operating pressure for attachments	bar	0 - 1			155	0 -			155
Į į	10.2	Oil volume for attachments >	l/min	66		6		6			56
ğ	10.3	Hydraulic oil tank, capacity Fuel tank, capacity	litres kg	45		45 15		45 15			5.8 5.2
ADDITIONAL DATA	10.7	Sound pressure level at the driver's seat ♦	dB(A)	78			8	7			78
ā	10.7.1	Sound power level during the workcycle ◆	dB(A)	96		9		9			96
	10.7.2	Guaranteed sound power 2000/14/EC	dB(A)	10 Di		10 P			00 in		00 Din
	10.8	Towing coupling type	-	Pi		Р	in	P	in	1	Pin
		on data is based on VDI 2109									

Specification	data	is	based	on	VDI	2198

FOILIPMENT AND WEIGH

Weights (line 2.1) are based on the following specifi cations: 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		
H3.0FT	H3.0FT	H3.5FT	H3.5FT	1.1	
Fortens Advance +	Fortens Advance +	Fortens Advance +	Fortens Advance +	1.2	
Kubota 2.5L	Kubota 2.5L	Kubota 2.5L	Kubota 2.5L		
DuraMatch™	DuraMatch™ 2	DuraMatch™	DuraMatch™ 2		
1-Speed	2-Speed	1-speed	2-speed		
Wet Brakes	Wet Brakes	Wet Brakes	Wet Brakes		
LPG	LPG	LPG	LPG	1.3	DISTINGUISHING MARK
Seated	Seated	Seated	Seated	1.4	
3.0	3.0	3.5	3.5	1.5	
500	500	500	500	1.6	
483	483	483	483	1.8	
1623	1623	1700	1700	1.9	

43	329	4329		46	646	4646		2.1	1
6619	710	6619	710	7283	863	7283	863	2.2	2
1802	2527	1802	2527	1761	2885	1761	2885	2.3	3

_										
	S	E	8	SE		SE .	S	Ε	3.1	
	28 x 9	9 - 15	28 x	28 x 9 - 15 28		(9 - 15 28 x 9		9 - 15	3.2	1
	6.50	x 10	6.50	6.50 x 10 6.50 x 10		6.50 x 10		3.3	RES/C	
	2x	2	2x	2	2x	2	2x	2	3.5	三
	96	35	9	965 965		91	65	3.6	ASSIS	
	96	67	967 967		91	67	3.7			

6 5 6 5 6 5 4.1 2195 2195 2195 42 140 140 140 4.3 3055 3055 3055 3055 4.4 3805 3805 3805 4.5 2185 2185 2185 2185 4.7 2206 2206 2206 2206 4.7.1 1086 1086 1086 1086 4.8 390 390 390 390 4.12 3633 3633 3734 3734 4.20 1186 1321 1601 1186 1321 1601 4.21 50 x 120 x 1000 4.22 111 A 111 A 111 A 111 A 4.23 11070 1070 1070 1070 4.24 4.31 4.31 185 185 185 185 185 185 4.32 1000 x 1200												
140 140 140 140 140 4.3 3055 3055 3055 3055 4.4 3805 3805 3805 4.5 2185 2185 2185 2185 4.7 2206 2206 2206 2206 4.7.1 1086 1086 1086 1086 4.8 390 390 390 390 4.12 3633 3633 3734 3734 4.19 2633 2633 2734 2734 4.20 1186 1321 1601 1186 1321 1601 4.21 50 x 120 x 1000 4.22 III A 4.31 1070 1070 1070 1070 4.24 4.31 185 185 185 185 4.32 1000 x 1200 1000 x 1200	6	5	6	5	6		5	6		5	4.1	
3055 3055 3055 3055 4.4		2195	21	195		2195			219	5	4.2	
3805 3805 3805 3805 4.5		140	1	40		140			140)	4.3	
2185 2185 2185 2185 4.7 2206 2206 2206 2206 4.7.1 1086 1086 1086 1086 4.8 390 390 390 390 4.12 3633 3633 3734 3734 4.19 2633 2633 2734 2734 4.20 1186 1321 1601 1186 1321 1601 4.21 50 x 120 x 1000 4.22 111 A 111 A 111 A 111 A 111 A 111 A 4.23 1070 1070 1070 1070 4.24 132 132 132 132 4.31 185 185 185 185 4.32 1000 x 1200 1000 x 1200 1000 x 1200 1000 x 1200 4.33 3960 3960 4063 4063 4.34 4160 4160		3055	30)55		3055			305	5	4.4	
2206 2206 2206 2206 4.7.1		3805	38	305		3805			380	5	4.5	
1086		2185	21	185		2185			218	5	4.7	
390 390 390 390 4.12		2206	22	206		2206		2206		4.7.1		
3633 3633 3734 3734 4.19 2633 2633 2734 2734 4.20 1186 1321 1601 1186 1321 1601 1186 1321 1601 4.21 50 x 120 x 1000 4.22 III A III A III A III A III A III A 4.23 1070 1070 1070 1070 1070 4.24 132 132 132 132 132 4.31 185 185 185 185 185 4.32 1000 x 1200 1000 x 1200 1000 x 1200 4.33 3960 3960 4063 4063 4.34 3960 3960 4063 4063 4.34 14160 4160 4263 4263 4.34 2277 2277 2280 2380 4.35 618 618 647 647 4.36 2077 2077 2111 2111 4.41 727 727 727 727 727 4.42 407 407 407 407 407 407 4.43		1086	10	086		1086			108	6	4.8	
2633 2633 2734 2734 4.20 1186 1321 1601 1186 1321 1601 1186 1321 1601 4.21 50 x 120 x 1000 4.22 4.21 III A III A III A III A III A III A 4.23 1070 1070 1070 1070 4.24 132 132 132 4.31 185 185 185 185 4.32 1000 x 1200 1000 x 1200 1000 x 1200 1000 x 1200 4.33 3960 3960 4063 4063 4.34 3960 3960 4063 4063 4.34.1 4160 4160 4263 4263 4.34.2 2277 2277 2380 2380 4.35 618 618 647 647 4.36 2077 2077 2111 2111 4.41		390	3	90		390			390)	4.12	
1186 1321 1601 1186 1321 1601 1186 1321 1601 1186 1321 1601 4.21 50 x 120 x 1000 50 x 120 x 1000 50 x 120 x 1000 4.22 III A		3633	36	633		3734			373	4	4.19	
50 x 120 x 1000 50 x 120 x 1000 50 x 120 x 1000 4.22 III A III A III A III A III A 4.23 1070 1070 1070 1070 4.24 132 132 132 132 4.31 185 185 185 185 4.32 1000 x 1200 1000 x 1200 1000 x 1200 4.33 3960 3960 4063 4.063 4.34 3960 3960 4063 4263 4.34.1 4160 4160 4263 4263 4.34.2 2277 2277 2380 2380 4.35 618 618 647 647 4.36 2077 2077 2111 2111 4.41 727 727 727 727 4.42 407 407 407 407 4.43		2633	26	633		2734			273	4	4.20	
132 132 132 132 4.31 185 185 185 185 4.32 1000 x 1200 1000 x 1200 1000 x 1200 4.33 3960 3960 4063 4063 4.34 3960 3960 4063 4063 4.34.1 4160 4160 4263 4263 4.34.2 2277 2277 2380 2380 4.35 618 618 647 647 4.36 2077 2077 2111 2111 4.41 727 727 727 4.42 407 407 407 407 4.43	1186	1321 1601	1186 13	321 1601	1186	1321	1601	1186	132	1 1601	4.21	
132 132 132 132 4.31 185 185 185 185 4.32 1000 x 1200 1000 x 1200 1000 x 1200 4.33 3960 3960 4063 4063 4.34 3960 3960 4063 4063 4.34.1 4160 4160 4263 4263 4.34.2 2277 2277 2380 2380 4.35 618 618 647 647 4.36 2077 2077 2111 2111 4.41 727 727 727 4.42 407 407 407 407 4.43	50 x	120 x 1000	50 x 12	0 x 1000	50 x 1	120 x 10	00	50 :	k 120	x 1000	4.22	1 3
132 132 132 132 4.31 185 185 185 185 4.32 1000 x 1200 1000 x 1200 1000 x 1200 4.33 3960 3960 4063 4063 4.34 3960 3960 4063 4063 4.34.1 4160 4160 4263 4263 4.34.2 2277 2277 2380 2380 4.35 618 618 647 647 4.36 2077 2077 2111 2111 4.41 727 727 727 4.42 407 407 407 407 4.43		III A	II	ΙA		III A			III A	4	4.23	S
185 185 185 185 4.32 1000 x 1200 1000 x 1200 1000 x 1200 4.33 3960 3960 4063 4063 4.34 3960 3960 4063 4063 4.34.1 4160 4160 4263 4263 4.34.2 2277 2277 2380 2380 4.35 618 618 647 647 4.36 2077 2077 2111 2111 4.41 727 727 727 4.42 407 407 407 4.43		1070	10	1070		1070			107	0	4.24	S
1000 x 1200 1000 x 1200 1000 x 1200 4.33 3960 3960 4063 4.063 4.34 3960 3960 4063 4063 4.34.1 4160 4160 4263 4263 4.34.2 2277 2277 2380 2380 4.35 618 618 647 647 4.36 2077 2077 2111 2111 4.41 727 727 727 727 4.42 407 407 407 4.43		132	132			132		132		4.31		
3960 3960 4063 4.34 3960 3960 4063 4063 4.34.1 4160 4160 4263 4263 4.34.2 2277 2277 2380 2380 4.35 618 618 647 647 4.36 2077 2077 2111 2111 4.41 727 727 727 727 4.42 407 407 407 4.43		185	1	185		185		185		4.32		
3360 3960 4063 4341 4160 4160 4263 4263 4.342 2277 2277 2380 2380 4.35 618 618 647 647 4.36 2077 2077 2111 2111 4.41 727 727 727 727 4.42 407 407 407 4.43	100	00 x 1200	1000	x 1200	100	0 x 1200)	10	000 x	1200	4.33	
4160 4160 4263 4263 4.342 2277 2277 2380 2380 4.35 618 618 647 647 4.36 2077 2077 2111 2111 4.41 727 727 727 727 4.42 407 407 407 407 4.43		3960	39	960		4063			406	3	4.34	
2277 2277 2380 2380 4.35 618 618 647 647 4.36 2077 2077 2111 2111 4.41 727 727 727 727 4.42 407 407 407 4.43		3960	39	960		4063			406	3	4.34.1	
618 618 647 647 4.36 2077 2077 2111 2111 4.41 727 727 727 727 4.42 407 407 407 407 4.43		4160	41	160		4263			426	3	4.34.2	
2077 2077 2111 2111 4.41 727 727 727 727 4.42 407 407 407 407 4.43		2277	22	277		2380			238	0	4.35	
727 727 727 727 4.42 407 407 407 407 4.43		618	6	18		647			647	,	4.36	
407 407 407 4.43		2077	20)77		2111			211	1	4.41	
		727	7	27		727			727	,	4.42	
17.8 18.2 22.0 22.7 17.8 18.2 22.0 22.7 5.1		407	4	07		407			407	,	4.43	
17.8 18.2 22.0 22.7 17.8 18.2 22.0 22.7 5.1												
	17.8	18.2	22.0	22.7	17.8	1	18.2	22.0		22.7	5.1	

17.8	18.2	22.0	22.7	17.8	18.2	22.0	22.7	5.1	
17.8	18.2	17.5	17.9	17.5	17.9	17.5	17.9	5.1.1	2
0.55	0.56	0.49	0.53	0.56	0.56	0.48	0.53	5.2	PERFORMANCE
0.53	0.47	0.53	0.47	0.53	0.47	0.53	0.47	5.3	2
17380	10800	19270	10800	17230	10600	19120	10600	5.5	
17.6	26.1	18.5	26.1	15.6	23.9	16.4	23.9	5.7	EDATA
4.9	4.2	5.4	4.6	5.2	4.3	5.6	4.7	5.9	3
Hydr	aulic	Hydr	raulic	Hydr	aulic	Hydraulic		5.10	
The second secon									

Kubot	a 2.5L	Kubot	ta 2.5L	Kubo	ta 2.5L	Kubo	ta 2.5L	7.1	
43	3.9	43	3.9	43	3.9	4	7.2		
25	00	25	600	2500 2500		2500		7.3	
4	2491	4	2491	4	2491	4 2491		7.4	▋▀▋▋
3	.0	3	.2	3	.2	3.4		7.5	

Automatic	Automatic	Automatic	Automatic	8.1	
0 - 155	0 - 155	0 - 155	0 - 155	10.1	
66	66	66	66	10.2	
45.8	45.8	45.8	45.8	10.3	H
15.2	15.2	15.2	15.2	10.4	물
78	78	78	78	10.7	ADDITIONAL DATA
96	96	96	96	10.7.1	1
100	100	100	100	10.7.2	
Pin	Pin	Pin	Pin	10.8	

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.

- ¶ Top of forks
- ♦ Without load backrest
- h_e subject to +/- 5 mm tolerance.
 H2.0FT H2.5FT add 25mm when front tyre size 28X9-15 is selected
- O Full-suspension seat in depressed position
- ♦ Standard/Wide/Dual.
- Add 32 mm without load backrest
- ◆ Stacking aisle width (lines 4.34.1 & 4.34.2) are 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 the truck.
- ☐ For Fortens Advance models supplied with manual levers, the values for lifting speeds (line 5.2) and fuel consumption (line 7.5) are as stated on the Fortens VDI table.
- at 1.6km/h Drawbar pull performance figure (line 5.5) is only indicative for comparison purpose. These performances are only possible for a short period of time.
- † at 4.8km/h 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.
- With Load Sensing Hydraulics (LSH)
- ♦ Variable
- LPAZ Measured according to the test cycles and based on the weighting values contained in EN12053
- L_{WAZ} measured according to the test cycles and based on the weighting values contained in EN12053

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.

C € Safety

This truck conforms to the current EU requirements.

MAST AND CAPACITY INFORMATION

H2.0-2.5FT MASTS

lowered height (mm) Extended height (mm) (top of forks) (mm) fork height 140 ▽ 3290 2170 4515 🌣 2420 5015 ❖ 140 ▽ Limited Free Lift 5555 ***** 6055 ***** 140 ▽ 140 ▽ 4330 4830 2770 3020 2-stage Full Free Lift 3300 2170 1555 ▽ 1970 5570 ❖ 1380 ▽ 3-stage Full Free Lift 2170 2420 6770 ***** 7220 ***** 1830 ▽ 2030 ▽

H3.0-3.5FT MASTS

	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	3105 3605 4105 4605	5° 5° 5° 5°	2195 2445 2795 3045	4335 * 4835 * 5335 * 5835 *	150 ▽ 150 ▽ 150 ▽ 150 ▽
2-stage Full Free Lift	3110	5°	2195	4335 💠	1495 ▽
3-stage Full Free Lift	4015 4615 4915 5215 5815	5° 5° 5° 5°	1995 2195 2345 2445 2695	5245 * 5845 * 6145 * 6445 * 7045 *	1315 ▽ 1515 ▽ 1665 ▽ 1765 ▽ 2015 ▽

H2.0-3.5FT - Capacity Chart in kg @ 500mm Load Centre

				Pneun	natic Shaped Solid	Tyres				
	Maximum	Without	sideshift	With IS	S & FP	Maximum	Without	sideshift	With IS	S & FP
	fork height (mm)	H2.0FT	H2.5FT	H2.0FT	H2.5FT	fork height (mm)	H3.0FT	H3.5FT	H3.0FT	H3.5FT
2-stage Limited Free Lift	3290 3790 4330 4830	2000 2000 2000 1910	2500 2500 2500 2400	2000 2000 1990 1890	2500 2500 2480 2370	3105 3605 4105 4605	3000 3000 3000 2890	3500 3500 3500 3390	2970 2950 2940 2830	3490 3480 3460 3340
2-stage Full Free Lift	3300	2000	2500	2000	2500	3110	3000	3500	2960	3490
3-stage Full Free Lift	4350 4950 5550 6000	2000 1890 1760 1660	2500 2370 2240 € 2120 €	1970 1850 1720 1600	2500 2370 2220 € 2090 €	4015 4615 4915 5215 5815	3000 2900 2840 2740 2610 €	3500 3400 3320 4 3250 4 2950 4	2930 2830 2760 2680 2510 €	3460 3350 3260 3180 € 2970 €

H2.0-3.5FT - Capacity Chart in kg @ 600mm Load Centre

				Pneun	natic Shaped Solid	Tyres				
	Maximum	Without	sideshift	With IS	S & FP	Maximum	Without	sideshift	With IS	S & FP
	fork height (mm)	H2.0FT	H2.5FT	H2.0FT	H2.5FT	fork height (mm)	H3.0FT	H3.5FT	H3.0FT	H3.5FT
2-stage Limited Free Lift	3290 3790 4330 4830	1920 1910 1890 1800	2370 2360 2350 2240	1840 1830 1810 1720	2280 2270 2250 2150	3105 3605 4105 4605	2820 2810 2790 2690	3310 3300 3290 3170	2700 2690 2670 2570	3180 3170 3150 3040
2-stage Full Free Lift	3300	1920	2380	1840	2280	3110	2820	3310	2700	3180
3-stage Full Free Lift	4350 4950 5550 6000	1880 1760 1630 1530	2380 2250 2110 € 1990 €	1790 1690 1570 1460	2280 2160 2020 € 1900 €	4015 4615 4915 5215 5815	2800 2700 2630 2560 2400 ■	3290 3190 3110 4 3030 4 2860 4	2670 2580 2510 2440 2290 ■	3150 3050 2980 2900 4 2730 4

H2.0-3.5FT - Capacity Chart in kg @ 500mm Load Centre

				Pn	eumatic Radial Tyr	es				
	Maximum	Without	sideshift	With IS	S & FP	Maximum	Without	sideshift	With IS	S & FP
	fork height (mm)	H2.0FT	H2.5FT	H2.0FT	H2.5FT	fork height (mm)	H3.0FT	H3.5FT	H3.0FT	H3.5FT
2-stage Limited Free Lift	3290 3790 4330 4830	2000 2000 2000 1900	2500 2500 2500 2390 €	2000 2000 1990 1890	2500 2500 2480 2360 €	3105 3605 4105 4605	3000 3000 3000 2890	3500 3500 3500 3340	2970 2950 2940 2820	3490 3480 3460 3340
2-stage Full Free Lift	3300	2000	2500	2000	2500	3110	3000	3500	2960	3490
3-stage Full Free Lift	4350 4950 5550 6000	2000 1880 4 1760 4 1650 4	2500 € 2370 € 2240 ≭ 2130 ≭	1970 1850 4 1710 4 1600 4	2500 € 2370 € 2220 ≭ 2100 ≭	4015 4615 4915 5215 5815	3000 2900 € 2830 € 2760 € 2610 ≭	3500 ◀ 3400 ◀ 3330 ★ 3250 ★ 3080 ★	2930 2830 4 2750 4 2680 4 2510 *	3430 3350 4 3270 * 3190 * 3000 *

H2.0-3.5FT - Capacity Chart in kg @ 600mm Load Centre

					Pn	eumatic Radial Tyr	es				
Г		Maximum	Without	sideshift	With IS	S & FP	Maximum	Without	sideshift	With IS	S & FP
		fork height (mm)	H2.0FT	H2.5FT	H2.0FT	H2.5FT	fork height (mm)	H3.0FT	H3.5FT	H3.0FT	H3.5FT
	2-stage Limited Free Lift	3290 3790 4330 4830	1920 1910 1890 1790	2370 2360 2350 2240 	1840 1830 1810 1720	2280 2270 2250 2150 €	3105 3605 4105 4605	2820 2810 2790 2690	3310 3300 3290 3170	2700 2690 2670 2570	3180 3170 3150 3040
	2-stage Full Free Lift	3300	1920	2380	1840	2280	3110	2820	3310	2700	3180
SCHOOL SECTION	3-stage Full Free Lift	4350 4950 5550 6000	1880 1760 4 1630 4 1520 4	2380 4 2250 4 2110 * 1990 *	1790 1680 € 1560 € 1450 €	2280 4 2150 4 2020 * 1910 *	4015 4615 4915 5215 5815	2800 2700 4 2630 4 2550 4 240 0 ≭	3290 4 3190 4 3110 * 3040 * 2860 *	2670 2580 € 2510 € 2440 € 2290 ≭	3150 3050 4 2980 * 2900 * 2740 *

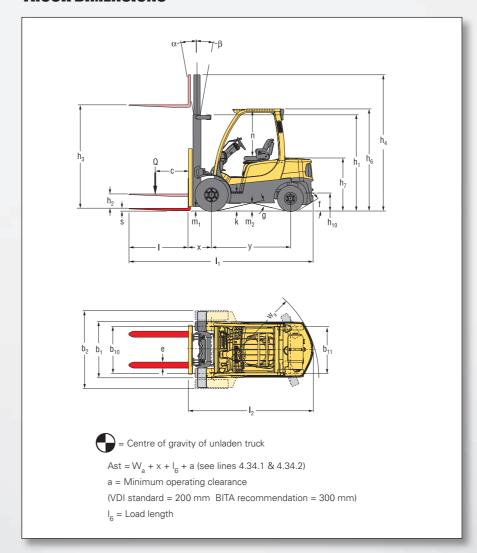
NOTES

To calculate truck capacities with alternative truck specifications to the ones shown in the above tables, please use the Hy-Rater software.

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



Dimensions (mm)	H2.0FT	H2.5FT	H3.0FT	H3.5FT
f	47%	47%	47%	47%
g	20.9′	20.9′	20.9′	20.9′
k	371	371	371	371
n	1041	1041	1041	1041

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.

MAST TABLES

- With load backrest
- ∇ Without load backrest
- Wide tread or Dual Drive Wheels required for this rating
- Dual Drive Wheels required for this rating

NOTICE

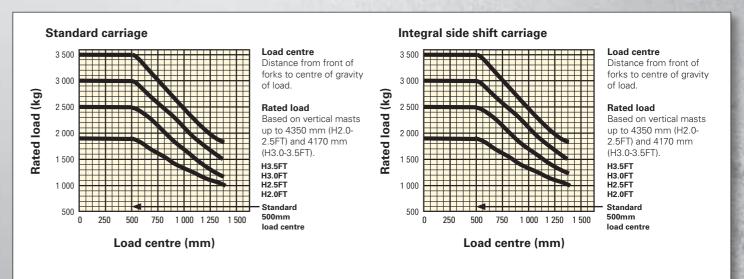
Care must be exercised when handling elevated loads. When the carriage and/or load is elevated, truck stability is reduced. It is important that mast tilt in either direction be kept to a minimum when loads are elevated. Operators must be trained and adhere to the instructions contained in the Operating Manual.

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

C€ _{Safety:}

This truck conforms to the current EU requirements.

RATED CAPACITIES



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		
LPG	Engine	Transmission	Brakes	Engine	Transmission	Brakes
Fortens	PSI 2.4L	Electronic Powershift 1 speed	Drum	PSI 2.4L	Electronic Powershift 1 speed	Drum
	PSI 2.4L	DuraMatch™ 1 speed	ADS Drum	PSI 2.4L	DuraMatch™ 1 speed	ADS Drum
	PSI 2.4L	DuraMatch™ 1 speed	Wet Brakes	PSI 2.4L	DuraMatch™ 1 speed	Wet Brakes
Fortens Advance+	Kubota 2.5L	DuraMatch™ 1 speed	Wet Brakes	Kubota 2.5L	DuraMatch™ 1 speed	Wet Brakes
	Kubota 2.5L	DuraMatch™ 2 2 speed	Wet Brakes	Kubota 2.5L	DuraMatch™ 2 2 speed	Wet Brakes

Model / Bundle	H3.0FT			H2.5FT		
LPG	Engine	Transmission	Brakes	Engine	Transmission	Brakes
Fortens	PSI 2.4L	Electronic Powershift 1 speed	Drum	PSI 2.4L	Electronic Powershift 1 speed	-
Fortens Advance	PSI 2.4L	DuraMatch™ 1 speed	ADS Drum	PSI 2.4L	DuraMatch™ 1 speed	ADS Drum
	PSI 2.4L	DuraMatch™ 1 speed	Wet Brakes	PSI 2.4L	DuraMatch™ 1 speed	Wet Brakes
Fortens Advance+	Kubota 2.5L	DuraMatch™ 1 speed	Wet Brakes	Kubota 2.5L	DuraMatch™ 1 speed	Wet Brakes
	Kubota 2.5L	DuraMatch™ 2 2 speed	Wet Brakes	Kubota 2.5L	DuraMatch™ 2 2 speed	Wet Brakes

Please refer to the Price List for full option configurations.

PRODUCT FEATURES

THIS SERIES OF TRUCKS IS AVAILABLE IN THREE CONFIGURATIONS.

The Fortens™ truck offers first-rate performance for many applications, geared to minimise cost of acquisition without compromising performance.

The Fortens Advance truck provides excellent performance for applications, optimised for lowest hourly operating cost.

The Fortens Advance+ truck delivers maximum performance for medium to heavy-duty applications with state-of-the art features and industry leading power.

MASTS

The Fortens™ trucks are equipped with a mast, which provides excellent visibility both through the mast and all around. They are manufactured without compromise to provide robust and reliable performance, with minimal maintenance cost over the lifetime of the product. The mast has a robust design and offers excellent rigidity particularly at full lift height.

ENGINES & FUEL SYSTEM

The Fortens truck is powered by a range of heavy-duty industrial engines, designed to deliver power efficiently over a 20,000 hour design life with 500 hour service intervals. All engines feature Cast Iron Blocks and a 5 main bearing design; engines are fully isolated from the frame and axle to prevent direct transmission of noise and vibration, resulting in low vehicle noise and vibration levels. Variations in LPG fuel and its higher burning temperatures present challenges for converted Gasoline Engines and Hyster has developed state of the art electronic fuel injection systems, which use closed loop control to maintain proper fuelling in all operating conditions. These advanced Industrial Engines feature coil over plug ignition designs, and especially hardened intake and exhaust valve seats to ensure long operating life.

The industrial PSI 2.4L LPG engine provides a reliable and durable engine with a robust construction. It gives excellent productivity and offers 3 engine modes, HiP for maximum productivity, ECO-eLo for the best fuel economy and Eco for an all round well balanced performance.

The high performance Kubota 2.5L LPG engine maximises performance and productivity for intensive operations, and with Cast Iron head and special 9.5 litre oil capacity is designed to do so reliably for the life of the truck. Advanced engine controls enable fuel mapping to be optimised to allow highly efficient operation in ECO-eLo mode, with minimum loss of performance.

TRANSMISSION

The Standard Fortens model features an Electronic Powershift Transmission.

The Fortens Advance & Fortens Advance+ models are available with the electronically controlled 1 or 2 speed **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 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 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.
- First Gear offers increased Drawbar Pull for use on gradients
- Second Gear provides maximum engine efficiency in applications where longer travel distances are common
- DuraMatch[™] transmissions are available with **Autospeed Hydraulics**.

The transmissions are compatible with oil cooler 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 and 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.

PRODUCT FEATURES (2)

AUTOSPEED HYDRAULICS

If the Autospeed Hydraulics option is selected 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 the operator steps on the accelerator. No operator inching is required and simplifying operator actions increases productivity and efficiency.

All powertrains are controlled, protected and managed by **The Pacesetter™ VSM** industrial on-board 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.

Load Sensing Hydraulics (LSH) delivers increased operational efficiency, providing a 15% reduction in fuel consumption on the VDI cycle, with no loss in productivity*. Variable displacement piston pumps match the flow rate and lifting speed continuously to the demands of the duty cycle. The engine therefore supplies only power to the hydraulic pumps when required, so more power is available for driving. This provides increased responsiveness and acceleration, which increases productivity and lowers fuel consumption, reducing overall operating costs.

With LSH Hyster also offers an ECO-eLo (Fuel Efficiency) mode, reducing engine speed by 20% and optimising throttle response, so that the truck operates in the most economical power range. This results in a reduction in fuel consumption of a further 5%*, but has a limited effect on overall truck productivity under application conditions. The ECO-eLo mode also delivers lower noise levels by up to 3dB(A). If a faster work rate, or higher productivity is required, the truck can easily be reprogrammed to HiP (High Performance) mode of operation through the dash display, with access secured by a unique customer password.

(*Hyster Productivity Test Cycle: Load Sensing Hydraulics is available on trucks with TouchPoint™ mini-levers. The ECO-eLo function is only available on trucks with DuraMatch™ transmissions).

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

- Operator space is optimised with spacious operator compartment/cab 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 38cm.
- The Full Suspension Seat together with the isolated powertrain provide best in class Whole-Body Vibration levels of 0.6m/s², ensuring that the operator remains comfortable throughout the shift and fatigue, aches and pains are kept to a minimum.
- The TouchPointTM mini-lever armrest features a new contoured design, and in addition to the hydraulic functions features a horn and direction switch, ensuring that all key truck functions are within constant, easy reach.
- 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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