



FORTENS[™]

STRONG PARTNERS. TOUGH TRUCKS.

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

2 000 – 3 500 kg



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



1.1	Manufacturer		HY	STER	HYS	TER	HY	STER	НҰ	STER
1.2	Model designation		H2	2.0FT	H2	.0FT	Н	2.5FT	H:	2.5FT
	Model - Manufacturer designation		Fo	rtens	For	tens	Fo	ortens	Fo	rtens
1103	Engine / transmission		Yanmar 2.0	L Powershift	Mazda 2.0I	. Powershift	Yanmar 2.	6L Powershift	Yanmar 3.	3L Powershift
ERIS	Brake type		Drum	Brakes	Drum	Brakes	Drur	n Brakes	Drun	Brakes
	Power: battery, diesel, LPG, electric mains		D	esel	L	PG		iesel	D	iesel
1.3 1.4	Operation: manual, pedestrian, stand, seat, orderpicker			eat	S	eat		Seat	(Seat
1.5	Load capacity	Q (kg)	2	000	2	000	2	500	2	500
1.6	Load centre	c (mm)		500	5	00		500		500
1.8	Load distance	x (mm)	4	171	4	71		471		171
1.9	Wheelbase	y (mm)	1	623	1.	623	1	623	1	623
									-	
2.1	Unladen weight	kg		688		588		026		026
2.2	Axle loading with load, front/rear	kg	5 103	584	5 103	584	5 833	693	5 833	693
> 2.3	Axle loading without load, front/rear	kg	1 907	1 781	1 907	1 781	1 837	2 189	1 837	2 189
3.1	Tyres: L=pneumatic, V=solid, SE=pneumatic-shaped solid			SE	9	SE		SE		SE
3.2	Tyre size, front			12 - 12		12 - 12		x 12 - 12		(12 - 12
2.2	Tyre size, rear			10 x 9		0 x 9		00 x 9		00 x 9
3.5	Number of wheels, front/rear (X = driven)		2X	2	2X	2	2X	2	2X	2
3.5 3.6	Track width, front	b ₁₀ (mm)		965		65		965		965
3.7	Track width, rear	b ₁₁ (mm)		967		67		967		967
								_		
4.1	Mast tilt, α = forward/ β = back	degrees	6	5	6	5	6	5	6	5
4.2	Height of mast, lowered	h ₁ (mm)		170		170		170		170
4.3	Free lift ¶	h ₂ (mm)		100		00		100		100
4.4	Lift height ¶	h ₃ (mm)		250		250		250		250
4.5	Height of mast, extended +	h ₄ (mm)		900		900		900		900
4.7	Overhead guard height ■	h ₆ (mm)		160		160		185		185
4.8	Seat height O	h ₇ (mm)		061		061		073,5		073,5
4.12	Towing coupling height	h ₁₀ (mm)		365		65		390		390
4.19	Overall length	I ₁ (mm)		486		186		559		559
4.20	Length to face of forks	I ₂ (mm)		486		186		559		559
4.21	Overall width, standard/wide/dual drive	b ₁ /b ₂ (mm)	-	317 1 601		317 1 601		317 1 601		317 1 601
4.22	Fork dimensions	s/e/I (mm)		1 000		00 1 000		100 1 000		100 1 000
4.23	Fork carriage DIN 15173. Class, A/B	h (mm)		070		A 070		070		070
4.24	Fork carriage width ● Ground clearance under mast, with load	b ₃ (mm) m ₁ (mm)		107		07		107		107
4.31	Ground clearance under mast, with load Ground clearance, centre of wheelbase	m ₂ (mm)		160		60		173		173
4.33	Aisle width with pallets 1 000 mm x 1 200 mm wide ◆	Ast (mm)		919		919		986		986
4.34	Aisle width with pallets 800 mm x 1 200 mm long ◆	Ast (mm)		056		056		123		123
4.35	Outer turning radius	W _a (mm)		149		149		216		216
4.36	Inner turning radius	b ₁₃ (mm)		50		50		50		50
5.1	Travel speed with/without load	km/h	16,9	18,0	17,1	18,0	16,9	18,0	18,2	19,3
5.2	Lifting speed with/without load	m/sec	0,66	0,71	0,56	0,57	0,61	0,71	0,68	0,68
5.3 5.5	Lowering speed with/without load	m/sec	0,50	0,42	0,50	0,42	0,50	0,42	0,50	0,42
5.5	Drawbar pull with/without load @ 1,6 km/h	N	17 440	11 570	13 991	12 082	17 440	11 450	21 640	11 450
5.6	Maximum drawbar pull with/without load	N o/	21 204	11 570	17 257	12 082	19 389	11 450	24 248	11 450
5.7	Gradeability with/without load @ 4,8 km/h †	%	21,3 33,2	34,2 34,2	15,0 25,3	24,5 34,2	21,0 27,7	29,3	26,0 35,1	29,3 29,3
5.8 5.10	Maximum gradeability with/without load @ 1,6 km/h † Service brake	70		lraulic		raulic		draulic		lraulic
5.10	COLLING STAND		L 1190		Tiyu	adio	119	a. auno	- Iy	
7.1	Engine manufacturer/type		Yanma	r 4TNE92	Maz	da FE	Yanma	ar 4TNE92	Yanma	r 4TNE98
7.2 7.3	Engine output, in accordance with ISO 1585 / DIN 6271	kW	3	5,8	3	2,8		35,8	4	18,5
7.3	Governed speed	rpm	2	700	2	700	2	700	2	600
7.4	Number of cylinders/displacements	cm ³	4	2 659	4	1 998	4	2 659	4	3 319
	Factor of the second of the se									
8.1	Drive control			omatic		matic		omatic		omatic
8.2	Working pressure for attachments	bar		155		155		-155		-155
8.3	Oil flow for attachments ¤	I/min		75		52		75		75
8.4	Average noise level at operator's ear (Lpaz) ♦	dB (A)		80		30		80		80
	Guaranteed sound power 2001/14/EC (Lwaz)	dB		104	1	03		104		104

Specification Data is based on VDI 2198

Equipment and weight:

8.5 Towing coupling type

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.



HYS	TER	HYS	TER	HYS	TER	HYS	TER	HYS	TER	HYS	STER	1.1	
H2.	5FT	H3.	0FT	НЗ	.0FT	НЗ	.0FT	НЗ	.5FT	H3	.5FT	1.2	
Fort	tens	For	tens	For	tens	For	tens	For	tens	Foi	tens	П	
Mazda 2.0L	. Powershift	Yanmar 2.6	L Powershift	Yanmar 3.3	L Powershift	Mazda 2.0	. Powershift	Yanmar 3.3	L Powershift	Mazda 2.2	L Powershift	П	CHARACTERISTICS
Drum I	Brakes	Drum	Brakes	Drum	Brakes	Drum	Brakes	Drum	Brakes	Drum	Brakes	П	RAC1
LF	PG .	Die	sel	Die	esel	L	PG .	Die	esel	L	PG	1.3	豆
Se	eat	Se	eat	S	eat	S	eat	Si	eat	S	eat	1.4	STIC
2 5	500	3 (000	3	000	3	000	3 5	500	3	500	1.5	Š
50	00	5	00	5	00	5	00	5	00	5	i00	1.6	
47	71	4	78	4	78	4	78	4	78	4	78	1.8	
1 6	523	16	523	1.0	623	1	623	10	700	1	700	1.9	
4 0)26	4 5	505	4 :	505	4 :	505	4 8	316	4	816	2.1	_
5 833	693	6 725	781	6 725	781	6 725	781	7 392	925	7 392	925	2.2	WEIGHTS
1 837	2 189	1 907	2 598	1 907	2 598	1 907	2 598	1 868	2 948	1 868	2 948	2.3	SII
S	E	8	Ε	9	SE	9	SE	9	SE		SE	3.1	~
7,00 x	12 - 12	28,00	(9 - 15	28,00	x 9 - 15	28,00	x 9 - 15	28,00	x 9 - 15	28,00	x 9 - 15	3.2	WHEELS & TYRES
6,00) x 9	6,50	x 10	6,50	x 10	6,50	x 10	6,50	x 10	6,50) x 10	3.3	ELS
2X	2	2X	2	2X	2	2X	2	2X	2	2X	2	3.5	& T
96	35	9	35	9	65	9	65	9	65	g	165	3.6	Æ
96	67	9	67	9	67	9	67	9	67	g	167	3.7	S
6	5	6	5	6	5	6	5	6	5	6	5	4.1	
2 1	170	2 -	95	2	195	2	195	2 -	195	2	195	4.2	
10	00	1	00	1	00	1	00	1	00	1	00	4.3	
3 2	250	3 ()55	3	055	3)55	3 (055	3	055	4.4	
3 9	900	3 8	305	3	805	3	305	3 8	305	3	805	4.5	
2 1	185	2 -	85	2	185	2	185	2	185	2	185	4.7	
1 07	73,5	10	86	10)86	1	086	1 (086	1	086	4.8	
39	90	3	90	3	90	3	90	3	90	3	190	4.12	
3 5	559	3 (333	3 (633	3	633	3	734	3	734	4.19	D
2.5	559	2 633		2	633	2	633	2	734	2	734	4.20	DIMENSI
1 157 1 3	1 601	1 186 13	321 1 601	1 186 1 3	321 1 601	1 186 1	321 1 601	1 186 1 3	321 1 601	1 186 1	321 1 601	4.21	NSIC
40 10	00 1 000	50 1:	25 1 000	50 1	25 1 000	50 1	25 1 000	50 1	25 1 000	50 1	25 1 000	4.22	SN(
- 11	A	111	Α	- 11	I A	- 11	I A	11	I A	- 1	I A	4.23	
1 0)70	1 ()70	1.0	070	1	070	1 (070	1	070	4.24	
10	07	13	32	1	32	1	32	1.	32	1	32	4.31	
17	73	1	35	1	85	1	85	1	85	1	85	4.32	
3 9	986	4 (063	4	063	4	063	4	156	4	156	4.33	
4 1	23	4 -	96	4	196	4	196	4 :	293	4	293	4.34	
2 2	216	2.2	277	2	277	2	277	2 3	380	2	380	4.35	
5	0	2	5	2	25	2	<u>!</u> 5		i4		54	4.36	
17,1	18,0	18,2	19,1	20,0	21,1	18,0	19,1	20,0	21,1	18,0	19,1	5.1	
0,54	0,57	0,47	0,62	0,60	0,60	0,45	0,50	0,60	0,60	0,49	0,50	5.2	
0,50	0,42	0,50	0,42	0,50	0,42	0,50	0,42	0,50	0,42	0,50	0,42	5.3	PEF
13 848	11 450	16 354	11 708	21 556	13 154	12 950	11 708	21 485	11 708	15 735	12 594	5.5	RFORMANCE
16 020	11 450	19 291	11 708	24 164	13 154	15 851	11 708	24 079	11 708	18 913	12 594	5.6	MA
13,0	22,0	15,0	26,6	23,0	30,2	11,0	19,0	20,2	26,6	13,5	23,0	5.7	NCE
21,7	29,3	22,6	26,6	30,3	26,6	17,6	26,6	30,5	26,6	19,4	26,9	5.8	
Hydr	aulic	Hydi	aulic	Hyd	raulic	Hyd	raulic	Hydi	raulic	Hyd	raulic	5.10	
Mazo	da FE	Yanmar	4TNE92	Yanmar	4TNE98	Maz	da FE	Yanmar	4TNE98	Maz	da F2	7.1	
32	2,8	35	5,8	4	3,5	3	2,8	48	3,5	3	8,0	7.2	ENC
2 7	700	2 7	700	2	600	2	700	2 (600	2	700	7.3	ENGINE
4	1 998	4	2 659	4	3 319	4	1 998	4	3 319	4	2 184	7.4	
Autor	matic	Auto	matic	Auto	matic	Auto	matic	Auto	matic	Auto	matic	8.1	
0-1	155	0-	155	0-	155	0-	155	0-	155	0-	155	8.2	
6	2	7	5	7	75	(32	7	75		62	8.3	OTHER
			0	(30	5	80	8	30		80	8.4	南
8			0		00								~
8	03		04		04		03		04		03		

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



1.1	Manufacturer		HY:	STER	HYS	TER	НҰ	STER	HY	STER
1.2	Model designation		H2	.0FT	H2	0FT	H	2.5FT	H	2.5FT
(0	Model - Manufacturer designation		Fortens	Advance	Fortens	Advance	Forten	s Advance	Forten	s Advance
	Engine / transmission		Yanmar 2.6	L DuraMatch	Mazda 2.2L	DuraMatch	Yanmar 2.0	6L DuraMatch	Mazda 2.2	L DuraMatch
ERIST	Brake type		ADS Drum o	r Wet Brakes	ADS Drum o	r Wet Brakes	ADS Drum	or Wet Brakes	ADS Drum	or Wet Brakes
1.3	Power: battery, diesel, LPG, electric mains		Di	esel	L	PG .	D	iesel		_PG
1.3 1.4	Operation: manual, pedestrian, stand, seat, orderpicker		S	eat	S	eat		Seat		Seat
1.5	Load capacity	Q (kg)	2	000	2 (000	2	500	2	500
1.6	Load centre	c (mm)	5	00	5	00		500		500
1.8	Load distance	x (mm)	4	71	4	71		471		471
1.9	Wheelbase	y (mm)	1	623	1 (523	1	623	1	623
2 .1	Unladen weight	kg	3	688	3 (688	4	026	4	026
2.2	Axle loading with load, front/rear	kg	5 103	584	5 103	584	5 833	693	5 833	693
2.3	Axle loading without load, front/rear	kg	1 907	1 781	1 907	1 781	1 837	2 189	1 837	2 189
2.1	Turas I anaumatia V calid CE programatic channel calid			SE		E		SE		SE
3.1	Tyres: L=pneumatic, V=solid, SE=pneumatic-shaped solid			12 - 12		12 - 12		x 12 - 12		(12 - 12
	Tyre size, front			0 x 9) x 9		00 x 9		00 x 9
3.3 S	Tyre size, rear		2X	2	2X	2	2X	2	2X	2
3.5 3.5 3.6	Number of wheels, front/rear (X = driven) Track width, front	b ₁₀ (mm)		65		55		965		965
3.7	Track width, rear	b ₁₀ (mm)		67		67		967		967
5.7	Hava wittii, Itali	SII (IIIII)		01	J	31		301		301
4.1	Mast tilt, α = forward/ β = back	degrees	6	5	6	5	6	5	6	5
4.2	Height of mast, lowered	h ₁ (mm)	2	170	2	170	2	170	2	170
4.3	Free lift ¶	h ₂ (mm)	1	00	1	00		100		100
4.4	Lift height ¶	h ₃ (mm)	3	250	3 :	250	3	250	3	250
4.5	Height of mast, extended +	h ₄ (mm)	3	900	3 9	900	3	900	3	900
4.7	Overhead guard height ■	h ₆ (mm)		160		160		185		185
4.8	Seat height ○	h ₇ (mm)		061		061		073,5		073,5
4.12	Towing coupling height	h ₁₀ (mm)		65		35		390		390
4.19	Overall length	I ₁ (mm)		486		186		559		559
4.20	Length to face of forks	I ₂ (mm)		486		186		559		559
4.21	Overall width, standard/wide/dual drive	b ₁ /b ₂ (mm)	-	317 1 601	1 157 1 3			317 1 601		317 1 601
4.22	Fork dimensions	s/e/l (mm)		00 1 000		00 1 000		100 1 000		100 1 000
4.23	Fork carriage DIN 15173. Class, A/B	h (mm)		070		A 070		II A 070		II A 070
4.24	Fork carriage width ● Ground clearance under mast, with load	b ₃ (mm) m ₁ (mm)		070		07		107		107
4.32	Ground clearance under mast, with load Ground clearance, centre of wheelbase	m ₂ (mm)		60		60		173		173
4.33	Aisle width with pallets 1 000 mm x 1 200 mm wide ◆	Ast (mm)		919		919		986		986
4.34	Aisle width with pallets 800 mm x 1 200 mm long ◆	Ast (mm)		056)56		123		123
4.35	Outer turning radius	W _a (mm)		149		149		216		216
4.36	Inner turning radius	b ₁₃ (mm)		50	5	0		50		50
5.1	Travel speed with/without load	km/h	16,9	18,0	17,1	18,0	16,9	18,0	17,1	18,0
5.1	Lifting speed with/without load	m/sec	0.66	0.71	0.56	0.57	0.61	0.71	0.56	0.57
	Lowering speed with/without load	m/sec	0,50	0,42	0,50	0,42	0,50	0,71	0,50	0,42
5.3 5.5	Drawbar pull with/without load @ 1,6 km/h	N N	17 440	11 570	16 937	12 082	17 440	11 450	16 857	11 450
5.6	Maximum drawbar pull with/without load	N N	21 204	11 570	20 510	12 082	19 389	11 450	19 082	11 400
5.7	Gradeability with/without load @ 4,8 km/h †	%	21,3	34,2	19,0	29,8	21,0	29,3	16,0	29,0
5.8	Maximum gradeability with/without load @ 1,6 km/h †	%	33,2	34,2	31,1	34,2	27,7	29,3	26,7	29,3
5.10	Service brake		Hyd	raulic	Hyd	aulic	Нус	draulic	Ну	draulic
7.1	Engine manufacturer/type		Vanmas	4TNE92	Maa	da F2	Vanma	ır 4TNE92	Ma	zda F2
	Engine manufacturer/type Engine output, in accordance with ISO 1585 / DIN 6271	kW		5,8		3,0		35,8		38,0
7.2 7.3	Governed speed	rpm		700		700		700		700
7.4	Number of cylinders/displacements	cm ³	4	2 659	4	2 184	4	2 659	4	2 184
								-		
8.1	Drive control			matic		matic		omatic		omatic
8.2	Working pressure for attachments	bar		155		155	0	-155		-155
8.3	Oil flow for attachments ¤	I/min		75		2		75		62
8.4	Average noise level at operator's ear (Lpaz) ♦	dB (A)		30		0		80		80
	Guaranteed sound power 2001/14/EC (Lwaz)	dB	1	04	1	03		104		103

Specification Data is based on VDI 2198

Equipment and weight:

8.5 Towing coupling type

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	HYS	TER	HYS	STER	HYS	TER		
H3.0FT	H3.	0FT	H3	.5FT	H3	.5FT	1.1	
Fortens Advance		Advance		Advance		Advance	1.2	
Yanmar 2.6L DuraMatch		. DuraMatch		L DuraMatch		. DuraMatch	М	CHA
ADS Drum or Wet Brakes	ADS Drum o	r Wet Brakes	ADS Drum	or Wet Brakes	ADS Drum o	r Wet Brakes		CHARACTERISTICS
Diesel	LF	PG .	Di	esel	L	PG	1.3	豆
Seat	Se	eat	S	eat	S	eat	1.4	ISTIC
3 000	3 (000	3	500	3	500	1.5	SS
500	50	00	5	00	5	00	1.6	
478	4	78	4	78	4	78	1.8	
1 623	16	523	1	700	1	700	1.9	
					_			
4 505	4.5	505	4	816	4	316	2.1	WE.
6 725 781	6 725	781	7 392	925	7 392	925	2.2	NEIGHTS
1 907 2 598	1 907	2 598	1 868	2 948	1 868	2 948	2.3	SI
		_				_		
SE		iE .		SE		SE	3.1	8
28,00 x 9 - 15		(9 - 15		x 9 - 15		x 9 - 15	3.2	WHEELS & TYRES
6,50 x 10		x 10) x 10		x 10	3.3	LS &
2X 2	2X	2	2X	2	2X	2	3.5	Ĭ
965		65		65		65	3.6	RES
967	91	67	8	67	9	67	3.7	
6 5	6	5	6	5	6	5	4.1	ĺ
2 195		195		195		195	4.1	
100		00		00		00	4.2	
3 055)55		055		055	4.4	
3 805		305		805		305	4.5	
2 185		185		185		185	4.7	
1086		086		086		086	4.8	
390		90	3	90		90	4.12	
3 633	3 6	633	3	734	3	734	4.19	D
2 633	2 633		2	734	2	734	4.20	
1 186 1 321 1 601	1 186 1 3	321 1 601	1 186 1	321 1 601	1 186 1	321 1 601	4.21	MENSIONS
50 125 1 000	50 1:	25 1 000	50 1	25 1 000	50 1	25 1 000	4.22	S
III A	III	I A	- 11	I A	ll l	ΙA	4.23	
1 070	1 (070	1	070	1	070	4.24	
132	1;	32	1	32	1	32	4.31	
185		85		85	1	85	4.32	
4 063		063		156		156	4.33	
4 196		196		293		293	4.34	
2 277		277		380		380	4.35	
25	2	5	,	54		54	4.36	
18,2 19,1	10.0	19,1	20.0	01.1	18,0	19,1	E 4	1
18,2 19,1 0,47 0,62	18,0 0,49	0,50	20,0 0,60	21,1 0,60	0,49	0,50	5.1 5.2	
		0,50		0,60	0,49			В
0,50 0,42 16 354 11 708	0,50 16 274	11 708	0,50 21 485	11 708	15 735	0,42 12 594	5.3 5.5	ERFORMANCE
19 291 11 708	18 913	11 708	24 079	11 708	18 913	12 594	5.6)RM
15,0 26,6	14,0	25,0	20,2	26,6	13,5	23,0	5.7	ANC
22,6 26,6	21,5	26,6	30,5	26,6	19,4	26,9	5.8	ш
Hydraulic		aulic		raulic		raulic	5.10	
	,		, ,-		,-			
Yanmar 4TNE92	Mazo	da F2	Yanma	4TNE98	Maz	da F2	7.1	
35,8		3,0		8,5		3,0	7.2	EN
2 700	2 7	700	2	600	2	700	7.3	ENGINE
4 2 659	4	2 184	4	3 319	4	2 184	7.4	
Automatic		matic		matic		matic	8.1	
0-155		155		155		155	8.2	
75		2		75		52	8.3	OTHER
1 00	8	0		30	8	30	8.4	田田田田田田田田田田田田田田田田田田田田田田田田田田田田田田田田田田田田田田田
80								
104 Pin		03 in		04 Pin		03 'in	8.5	

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



		HYS	TER	HYS	TER	HYS	ITER	HYS	TER	HYS	TER	HYS	ITER
1.1	Manufacturer	LIO	OFT	110	OFT	110	OFT	LIO	OFT	LIO	CCT	LIO	CET
1.2	Model designation		.OFT	H2.			.OFT	H2.		H2.			.5FT
S	Model - Manufacturer designation	Fortens A		Fortens A		Fortens A		Fortens A		Fortens A		Fortens A	
STIC	Engine / transmission	Yanmar 3.3I		Yanmar 3.3L Di			DuraMatch ir Wet Brakes	GM 2.4L Dur		Yanmar 3.3			uraMatch Plus2 kes Only
<u>=</u>	Brake type	ADS Drum o		Wet Bra				Wet Bra			r Wet Brakes		,
1.3	Power: battery, diesel, LPG, electric mains		ese l	Die			PG .		PG .	Die			esel
1.4	Operation: manual, pedestrian, stand, seat, orderpicker		eat	Se			eat	Se		Si			eat
1.5	Load capacity Q (kg)		000	2 (000	2 (500		500
1.6	Load centre c (mm)		00	50			00		00		00		00
1.8	Load distance x (mm)		71	47			71	4		4			71
1.9	Wheelbase y (mm)	1.6	523	16	23	1.0	523	1 6	523	1 (523	16	623
2.1	Unladen weight kg		688	3 6			688		688)26		026
2.2	Axle loading with load, front/rear kg	5 103	584	5 103	584	5 103	584	5 103	584	5 833	693	5 833	693
2.3	Axle loading without load, front/rear kg	1 907	1 781	1 907	1 781	1 907	1 781	1 907	1 781	1 837	2 189	1 837	2 189
3.1	Tyres: L=pneumatic, V=solid, SE=pneumatic-shaped solid	S	SE	S	E	5	SE	S	SE	5	E		SE
3.2	Tyre size, front	7,00 x	12 - 12	7,00 x	12 - 12	7,00 x	12 - 12	7,00 x	12 - 12	7,00 x	12 - 12	7,00 x	12 - 12
3.3	Tyre size, rear	6,00	0 x 9	6,00	x 9		0 x 9		0 x 9) x 9		0 x 9
3.5	Number of wheels, front/rear (X = driven)	2X	2	2X	2	2X	2	2X	2	2X	2	2X	2
3.6	Track width, front b ₁₀ (mm)		65	96			65		65		35		65
3.7	Track width, rear b ₁₁ (mm)	91	67	96	67	9	67	91	67	9	67	9	67
4.1	Mast tilt, α = forward/ β = back degrees	6	5	6	5	6	5	6	5	6	5	6	5
4.2	Height of mast, lowered h ₁ (mm)	2 -	170	2 1	70	2	170	2 1	170	2 .	70	2	170
4.3	Free lift ¶ h ₂ (mm)	11	00	10	00	1	00	10	00	1	00	1	00
4.4	Lift height ¶ h ₃ (mm)	3 2	250	3 2	50	3 2	250	3 2	250	3 2	250	3 2	250
4.5	Height of mast, extended + h₄ (mm)	3 9	900	3 9	00	3 9	900	3 9	900	3 9	900	3 9	900
4.7	Overhead guard height ■ h ₆ (mm)	2 -	160	2 1	60	2 .	160	2 1	160	2 -	185	2 -	185
4.8	Seat height ○ h ₇ (mm)	1 (061	10	61	1.0	061	1 (061	10	73,5	1 0	73,5
4.12	Towing coupling height h ₁₀ (mm)	31	65	36	35	3	65	31	65	3	90	3	90
9 4.19	Overall length I ₁ (mm)	3 4	486	3 4	86	3 4	186	3 4	186	3.5	559	3.5	559
4.20	Length to face of forks I ₂ (mm)		486	2 4			186	2 4			559		559
4.21	Overall width, standard/wide/dual drive b ₁ /b ₂ (mm)	1 157 13		1 157 1 3		1 157 1 3		1 157 1 3		1 157 1 3			317 1 601
4.22	Fork dimensions s/e/1 (mm)		00 1000	40 10			00 1000	40 1		40 1			00 1000
4.23	Fork carriage DIN 15173. Class, A/B	-	A	- 11	_		A	11	_		A		Α
4.24	Fork carriage width ● b ₃ (mm)		070	10			070		070		070		070
4.31	Ground clearance under mast, with load m ₁ (mm)	11		10			07	10		1			07
4.32	Ground clearance, centre of wheelbase m ₂ (mm)		60	16			60		60	1			73
4.33	Aisle width with pallets 1 000 mm x 1 200 mm wide ◆ Ast (mm)		919	3.9			919	3 9			986		986
4.34	Aisle width with pallets 800 mm x 1 200 mm long ◆ Ast (mm)		056	4.0			056		056		123		123
4.35	Outer turning radius W _a (mm)		149	2 1			149	2 1			216		216
4.36	Inner turning radius b ₁₃ (mm)		50	5			50		i0	- 5			50
4.00	milet turning radias		,0		•		,,,		.0	`			,,,
5.1	Travel speed with/without load km/h	18,2	19,3	21,1	21,4	17,5	18,7	18,7	19,6	18,2	19,3	21,1	21,4
5.2	Lifting speed with/without load m/sec	0,68	0,68	0,68	0,68	0.60	0,61	0,60	0,61	0,68	0,68	0.68	0,68
5.2	Enting opose with winderload					0,50	0,42	0,50	0,42	0,50	0,42	0,50	0,42
	Lowering speed with/without load m/sec		0.42	0.50	11.42			0,00	U, 12		5,1	0,00	
2.7	Lowering speed with/without load m/sec Drawbar pull with/without load @ 1.6 km/h N	0,50 21,729	0,42 11,570	0,50 21,805	0,42 11,570			21 805	11 450		11 450	21 805	11 450
5.5 5.6	Drawbar pull with/without load @ 1,6 km/h N	21 729	11 570	21 805	11 570	19 647	12 082	21 805 21 805	11 450 11 450	21 640	11 450 11 450	21 805 21 805	11 450 11 450
5.6	Drawbar puli with/without load @ 1,6 km/h N Maximum drawbar puli with/without load N	21 729 24 337	11 570 11 570	21 805 21 805	11 570 11 570	19 647 23 211	12 082 12 082	21 805	11 450	21 640 24 248	11 450	21 805	11 450
5.6 5.7	Drawbar pull with/without load @ 1,6 km/h N Maximum drawbar pull with/without load N Gradeability with/without load @ 4,8 km/h † %	21 729 24 337 32,0	11 570 11 570 34,2	21 805 21 805 39,0	11 570 11 570 34,2	19 647 23 211 24,0	12 082 12 082 34,2	21 805 30,0	11 450 34,2	21 640 24 248 26,0	11 450 29,3	21 805 33,8	11 450 29,3
5.6 5.7 5.8	Drawbar pull with/without load @ 1,6 km/h N Maximum drawbar pull with/without load N Gradeability with/without load @ 4,8 km/h † % Maximum gradeability with/without load @ 1,6 km/h † %	21 729 24 337 32,0 42,6	11 570 11 570 34,2 34,2	21 805 21 805 39,0 42,8	11 570 11 570 34,2 34,2	19 647 23 211 24,0 37,0	12 082 12 082 34,2 34,2	21 805 30,0 41,0	11 450 34,2 34,2	21 640 24 248 26,0 35,1	11 450 29,3 29,3	21 805 33,8 35,4	11 450 29,3 29,3
5.6 5.7	Drawbar pull with/without load @ 1,6 km/h N Maximum drawbar pull with/without load N Gradeability with/without load @ 4,8 km/h † %	21 729 24 337 32,0 42,6	11 570 11 570 34,2	21 805 21 805 39,0	11 570 11 570 34,2 34,2	19 647 23 211 24,0 37,0	12 082 12 082 34,2	21 805 30,0	11 450 34,2 34,2	21 640 24 248 26,0 35,1	11 450 29,3	21 805 33,8 35,4	11 450 29,3
5.6 5.7 5.8 5.10	Drawbar pull with/without load @ 1,6 km/h N Maximum drawbar pull with/without load N Gradeability with/without load @ 4,8 km/h † % Maximum gradeability with/without load @ 1,6 km/h † % Service brake	21 729 24 337 32,0 42,6 Hydi	11 570 11 570 34,2 34,2 raulic	21 805 21 805 39,0 42,8 Hydr	11 570 11 570 34,2 34,2 aulic	19 647 23 211 24,0 37,0 Hydr	12 082 12 082 34,2 34,2 raulic	21 805 30,0 41,0 Hydi	11 450 34,2 34,2 raulic	21 640 24 248 26,0 35,1 Hydr	11 450 29,3 29,3 aulic	21 805 33,8 35,4 Hydi	11 450 29,3 29,3 raulic
5.6 5.7 5.8 5.10	Drawbar pull with/without load @ 1,6 km/h N Maximum drawbar pull with/without load N Gradeability with/without load @ 4,8 km/h † % Maximum gradeability with/without load @ 1,6 km/h † % Service brake Engine manufacturer/type	21 729 24 337 32,0 42,6 Hydi	11 570 11 570 34,2 34,2 raulic	21 805 21 805 39,0 42,8 Hydr	11 570 11 570 34,2 34,2 aulic	19 647 23 211 24,0 37,0 Hydi	12 082 12 082 34,2 34,2 raulic	21 805 30,0 41,0 Hydr	11 450 34,2 34,2 raulic	21 640 24 248 26,0 35,1 Hydi	11 450 29,3 29,3 aulic 4TNE98	21 805 33,8 35,4 Hydi	11 450 29,3 29,3 raulic
5.6 5.7 5.8 5.10 7.1 7.2	Drawbar pull with/without load @ 1,6 km/h N Maximum drawbar pull with/without load N Gradeability with/without load @ 4,8 km/h † % Maximum gradeability with/without load @ 1,6 km/h † % Service brake Engine manufacturer/type Engine output, in accordance with ISO 1585 / DIN 6271 kW	21 729 24 337 32,0 42,6 Hydr	11 570 11 570 34,2 34,2 raulic 4TNE98	21 805 21 805 39,0 42,8 Hydr Yanmar	11 570 11 570 34,2 34,2 aulic 4TNE98	19 647 23 211 24,0 37,0 Hydi	12 082 12 082 34,2 34,2 raulic	21 805 30,0 41,0 Hydr	11 450 34,2 34,2 raulic	21 640 24 248 26,0 35,1 Hydi	11 450 29,3 29,3 raulic 4TNE98	21 805 33,8 35,4 Hydr Yanmar	11 450 29,3 29,3 raulic 4TNE98
5.6 5.7 5.8 5.10 7.1 7.2 7.3	Drawbar pull with/without load @ 1,6 km/h N Maximum drawbar pull with/without load N Gradeability with/without load @ 4,8 km/h † % Maximum gradeability with/without load @ 1,6 km/h † % Service brake Engine manufacturer/type Engine output, in accordance with ISO 1585 / DIN 6271 kW Governed speed rpm	21 729 24 337 32,0 42,6 Hydr	11 570 11 570 34,2 34,2 34,2 raulic 4TNE98 3,5	21 805 21 805 39,0 42,8 Hydr Yanmar 48 2 6	11 570 11 570 34,2 34,2 aulic 4TNE98 5,5	19 647 23 211 24,0 37,0 Hydri GM 40 2 7	12 082 12 082 34,2 34,2 raulic	21 805 30,0 41,0 Hydri GM 46	11 450 34,2 34,2 raulic	21 640 24 248 26,0 35,1 Hydri Yanmar 48	11 450 29,3 29,3 aulic 4TNE98 3,5	21 805 33,8 35,4 Hydri Yanmar 48	11 450 29,3 29,3 29,3 raulic 4TNE98 8,5
5.6 5.7 5.8 5.10 7.1 7.2	Drawbar pull with/without load @ 1,6 km/h N Maximum drawbar pull with/without load N Gradeability with/without load @ 4,8 km/h † % Maximum gradeability with/without load @ 1,6 km/h † % Service brake Engine manufacturer/type Engine output, in accordance with ISO 1585 / DIN 6271 kW	21 729 24 337 32,0 42,6 Hydr	11 570 11 570 34,2 34,2 raulic 4TNE98	21 805 21 805 39,0 42,8 Hydr Yanmar	11 570 11 570 34,2 34,2 aulic 4TNE98	19 647 23 211 24,0 37,0 Hydi	12 082 12 082 34,2 34,2 raulic	21 805 30,0 41,0 Hydr	11 450 34,2 34,2 raulic	21 640 24 248 26,0 35,1 Hydi	11 450 29,3 29,3 raulic 4TNE98	21 805 33,8 35,4 Hydr Yanmar	11 450 29,3 29,3 raulic 4TNE98
5.6 5.7 5.8 5.10 7.1 7.2 7.3 7.4	Drawbar pull with/without load @ 1,6 km/h N Maximum drawbar pull with/without load N Gradeability with/without load @ 4,8 km/h † % Maximum gradeability with/without load @ 1,6 km/h † % Service brake Engine manufacturer/ype Engine output, in accordance with ISO 1585 / DIN 6271 kW Governed speed rpm Number of cylinders/displacements cm³	21 729 24 337 32,0 42,6 Hydr Yanmar 48 2 6	11 570 11 570 34,2 34,2 raulic 4TNE98 3,5 500 3 3 319	21 805 21 805 39,0 42,8 Hydr Yanmar 48 2 6	11 570 11 570 34,2 34,2 aulic 4TNE98 ,5 ,00 3 319	19 647 23 211 24,0 37,0 Hydri GM 44 2 3	12 082 12 082 34,2 34,2 raulic 2.4L 3,2 700 2 400	21 805 30,0 41,0 Hydr GM 46 27	11 450 34,2 34,2 raulic 2.4L 3,2 700 2 400	21 640 24 248 26,0 35,1 Hydri Yanmar 48 2 6	11 450 29,3 29,3 audic 4TNE98 3,5 500 3 319	21 805 33,8 35,4 Hydri Yanmar 48 2 6	11 450 29,3 29,3 raulic 4TNE98 8,5 600 3 3 19
5.6 5.7 5.8 5.10 7.1 7.2 7.3 7.4	Drawbar pull with/without load @ 1,6 km/h N Maximum drawbar pull with/without load N Gradeability with/without load @ 4,8 km/h † % Maximum gradeability with/without load @ 1,6 km/h † % Service brake Engine manufacturer/type Engine output, in accordance with ISO 1585 / DIN 6271 kW Governed speed rpm Number of cylinders/displacements cm³	21 729 24 337 32,0 42,6 Hydr Yanmar 48 2 6 4	11 570 11 570 34,2 34,2 raulic 4TNE98 3,5 600 3 3 319	21 805 21 805 39,0 42,8 Hydr Yanmar 48 2 6 4	11 570 11 570 34,2 34,2 aulic 4TNE98 ,5 000 3 319	19 647 23 211 24,0 37,0 Hydi	12 082 12 082 34,2 34,2 raulic 2.4L 3,2 700 2 400	21 805 30,0 41,0 Hydr GM 46 27 4	11 450 34,2 34,2 raulic 2.4L 3,2 700 2 400	21 640 24 248 26,0 35,1 Hydi Yanmar 48 2 6 4	11 450 29,3 29,3 audic 4TNE98 3,5 500 3 3 19	21 805 33,8 35,4 Hydri Yanmar 48 2 6 4	11 450 29,3 29,3 raulic 4TNE98 8,5 600 3 319
5.6 5.7 5.8 5.10 7.1 7.2 7.3 7.4 8.1 8.2	Drawbar pull with/without load @ 1,6 km/h N Maximum drawbar pull with/without load @ 1,8 km/h % Gradeability with/without load @ 4,8 km/h † % Maximum gradeability with/without load @ 1,6 km/h † % Service brake Engine manufacturer/hype Engine output, in accordance with ISO 1585 / DIN 6271 kW Governed speed rpm Number of cylinders/displacements cm³ Drive control Working pressure for attachments bar	21 729 24 337 32,0 42,6 Hydr Yanmar 48 2 6 4	11 570 11 570 34,2 34,2 raulic 4TNE98 3,5 5000 3 3 319	21 805 21 805 39,0 42,8 Hydr Yanmar 48 2 6 4	11 570 11 570 34,2 34,2 aulic 4TNE98 .5 00 3 3 19	19 647 23 211 24,0 37,0 Hydi GM 44 2 2 4	12 082 12 082 34,2 34,2 raulic 2.4L 3,2 700 2 400	21 805 30,0 41,0 Hydr GM 46 27 4	11 450 34,2 34,2 raulic 2.4L 3,2 700 2 400 matic	21 640 24 248 26,0 35,1 Hydi Yanmar 48 2 0 4	11 450 29,3 29,3 aulic 4TNE98 3,5 600 3 319	21 805 33,8 35,4 Hydri Yanmar 44 2 6 4 Auto 0-	11 450 29,3 29,3 raulic 4TNE98 8,5 600 3 319
5.6 5.7 5.8 5.10 7.1 7.2 7.3 7.4 8.2 8.3 8.3	Drawbar pull with/without load @ 1,6 km/h N Maximum drawbar pull with/without load @ 1,8 km/h	21 729 24 337 32,0 42,6 Hydr Yanmar 48 2 6 4 Auto 0- 7	11 570 11 570 34.2 34.2 34.2 raulic 4TNE98 3,5 500 3 3 19 matic 155	21 805 21 805 39,0 42,8 Hydr Yanmar 48 2 6 4 Autol 0-1	11 570 11 570 34,2 34,2 aulic 4TNE98 .5 .5 .00 3 319	19 647 23 211 24,0 37,0 Hydi GM 44 2 3 4	12 082 12 082 34.2 34.2 raulic 2.4L 3,2 700 2 400	21 805 30,0 41,0 Hydi GM 46 27 4 Auto 0-	11 450 34,2 34,2 34,2 raulic 2.4L 3,2 700 2 400 matic 155 36	21 640 24 248 26,0 35,1 Hydi Yanmar 48 2 0 4	11 450 29,3 29,3 aulic 4TNE98 3,5 600 3 3 319	21 805 33,8 35,4 Hydi Yanmar 44 2 6 4 Auto 0-	11 450 29,3 29,3 29,3 raulic 4TNE98 8,5 600 3 3 319
5.6 5.7 5.8 5.10 7.1 7.2 7.3 7.4 8.1 8.2	Drawbar pull with/without load @ 1,6 km/h N Maximum drawbar pull with/without load @ 1,6 km/h † % Gradeability with/without load @ 4,8 km/h † % Maximum gradeability with/without load @ 1,6 km/h † % Service brake Engine manufacturer/type Engine output, in accordance with ISO 1585 / DIN 6271 kW Governed speed rpm Number of cylinders/displacements cm³ Drive control Working pressure for attachments bar Oil flow for attachments I I/min Average noise level at operator's ear (Lpaz) ◇ dB (A)	21 729 24 337 32.0 42.6 Hydi Yanmar 48 2.6 4 Auto 0- 7 8	11 570 11 570 34.2 34.2 34.2 raulic 4TNE98 3.5 500 3 3 3 19 mattic 155	21 805 21 805 39,0 42,8 Hydr Yanmar 48 2 6 4	11 570 11 570 34,2 34,2 aulic 4TNE98 .5 000 3 319 matic 55 5	19 647 23 211 24,0 37,0 Hydi GM 44 2 2 3 4	12 082 12 082 34.2 34.2 34.2 2.4L 3.2 700 2 400	21 805 30,0 41,0 Hydir GM 46 2 7 4	11 450 34,2 34,2 34,2 34,2 2.4L 3,2 700 2 400 matic 155 66	21 640 24 248 26,0 35,1 Hydi Yanmar 44 2 0 4	11 450 29,3 29,3 audic 44NE98 3,5 500 3 3 319 matic 155 5	21 805 33.8 35.4 Hydi Yanmar 44 2 6 4 Autot 0- 7	11 450 29,3 29,3 audic 4TNE98 3,5 600 3 3 319 matic 155 75
5.6 5.7 5.8 5.10 7.1 7.2 7.3 7.4 8.2 8.3 8.3	Drawbar pull with/without load @ 1,6 km/h N Maximum drawbar pull with/without load @ 1,8 km/h	21 729 24 337 32,0 42,6 Hydel Yanmar 44 2 6 4 Auto 0- 7 8 8	11 570 11 570 34.2 34.2 34.2 raulic 4TNE98 3,5 500 3 3 19 matic 155	21 805 21 805 39,0 42,8 Hydr Yanmar 48 2 6 4 Autou-1 7 7 8 8	11 570 11 570 34,2 34,2 aulic 4TNE98 .5 000 3 319 matic 55 5	19 647 23 211 24,0 37,0 Hydi GM 44 2 2 3 4	12 082 12 082 34.2 34.2 raulic 2.4L 3,2 700 2 400	21 805 30,0 41,0 Hydri GMM 444 2 2 2 4 4	11 450 34,2 34,2 34,2 raulic 2.4L 3,2 700 2 400 matic 155 36	21 640 24 248 26,0 35,1 Hydi Yanmar 44 2 0 4 Auto 0- 7 8	11 450 29,3 29,3 aulic 4TNE98 3,5 600 3 3 319	21 805 33.8 35.4 Hydd Yanmar 44 2 6 4 Auto 0- 7 8	11 450 29,3 29,3 29,3 raulic 4TNE98 8,5 600 3 3 319

Specification Data is based on VDI 2198

Equipment and weight:

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

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



HYSTER	HY:	STER	HYS	STER	HYS	TER	HYS	TER	HYS	TER	HYS	TER	HYS	TER	HYS	STER	1.1
H2.5FT	H2	.5FT	НЗ	.0FT	Н3.	0FT	Н3.	.0FT	Н3.	0FT	Н3.	5FT	H3.	5FT	Н3.	.5FT	1.2
Fortens Advance +	Fortens	Advance +	Fortens /	Advance +	Fortens A	Advance +	Fortens A	Advance +	Fortens A	dvance +	Fortens A	dvance +	Fortens A	dvance +	Fortens A	Advance +	
GM 2,4L DuraMatch	GM 2,4L Du	raMatch Plus2	Yanmar 3,3	L DuraMatch	Yanmar 3,3L D	uraMatch Plus2	GM 2,4L	DuraMatch	GM 2,4L Dura	aMatch Plus2	Yanmar 3,3L Di	ıraMatch Plus2	GM 2,4L E	DuraMatch	GM 2.4L Dur	raMatch Plus2	
ADS Drum or Wet Brake	Wet Br	akes Only	ADS Drum o	or Wet Brakes	Wet Bra	kes Only	ADS Drum o	r Wet Brakes	Wet Brai	kes Only	ADS Drum o	Wet Brakes	ADS Drum o	r Wet Brakes	Wet Bra	ikes Only	T
LPG		PG	Die	esel	Die	sel	LI	PG	LF		Die	sel	LF	·G	LI	PG	1.3
Seat	_	eat	S	eat	Se		Si	eat	Se	at	Se		Se	at	Se	eat	1.4
2 500	2	500	3	000	3 (000	3 (000	3.0	100	3 5	00	3 5	000	3 5	500	1.5
500		600		00		00		00	50		50		50			00	1.6
471		171		78		78		78	47		47		47			78	1.8
1 623		623		623	1.6			623	16		17		17			700	1.9
1 023		323		023	1 ()23	1.0	020	1 0	123	1.7	00	17	00		700	1.9
1.000		000				-0.5		-0.5		.05		10		110		010	
4 026	_	026		505		505		505	4.5		4.8		4 8			816	2.1
5 833 693	5 833	693	6 725	781	6 725	781	6 725	781	6 725	781	7 392	925	7 392	925	7 392	925	2.2
1 837 2 189	1 837	2 189	1 907	2 598	1 907	2 598	1 907	2 598	1 907	2 598	1 868	2 948	1 868	2 948	1 868	2 948	2.3
SE		SE		SE	S	E	5	SE	S	E	S	E	S	E	S	SE	3.1
7,00 x 12 - 12	7,00 x	12 - 12	28,00	x 9 - 15	28,00	k 9 - 15	28,00	x 9 - 15	28,00 >	9 - 15	28,00 >	9 - 15	28,00 x	9 - 15	28,00	x 9 - 15	3.2
6,00 x 9	6,0	0 x 9	6,50) x 10	6,50	x 10	6,50	x 10	6,50	x 10	6,50	x 10	6,50	x 10	6,50) x 10	3.3
2X 2	2X	2	2X	2	2X	2	2X	2	2X	2	2X	2	2X	2	2X	2	3.5
965	9	965	9	65	9	65	9	65	96	35	96	i5	96	35	9	65	3.6
967	g	967	9	67	9	67	9	67	96	67	96	7	96	37	9	67	3.7
			-								-				-		•
6 5	6	5	6	5	6	5	6	5	6	5	6	5	6	5	6	5	4.1
2 170		170		195	2 -			195	2 1		2 1		2 1	95		195	4.2
100		00		00		00		00	10		10		10			00	4.3
3 250		250		055	3 (055	3.0		3.0		3.0			055	4.4
3 900		900		805	38			305	38		38		38				_
																805	4.5
2 185		185		185		185		185	2 1		2 1		2 1			185	4.7
1 073,5		73,5		086)86		086	1.0		10		10			086	4.8
390		190		90		90		90	39		39		39			90	4.12
3 559	3	559	3	633	3 6	333	3 (533	3 6	33	3 7	34	3 7	34	3 7	734	4.19
2 559	2	559	2	633	2 6	333	2 (633	2 6	33	2 7	34	2 7	34	2 7	734	4.20
1 157 1 317 1 60	1 157 1	317 1 601	1 186 1	321 1 601	1 186 13	321 1 601	1 186 13	321 1 601	1 186 1 3	21 1 601	1 186 1 3	21 1 601	1 186 1 3	21 1 601	1 186 13	321 1 601	4.21
40 100 100	40 1	00 1 000	50 1	25 1 000	50 1:	25 1 000	50 1	25 1 000	50 12	25 1 000	50 12	5 1 000	50 12	25 1 000	50 1:	25 1 000	4.22
II A		I A	- 10	IA.	111	I A	- 11	I A	- 111	A	in in	A	- 111	A	111	I A	4,23
1 070	1	070	11	070	1.0)70	1.0	070	1.0	170	1.0	70	1.0	170	1 (070	4.24
107	1	07	1	32	13	32	1	32	13	32	13	12	13	32	13	32	
173				85		85		85	18		18		18				4.31
3 986												-			13	85	4.31
4 123	v	73 986		063	4.0	163	Δ1	163	4.0	163	4 1	56	4.1			85 156	4.32
4 123	4	986	41	063		063		063	4.0		41		41	56	4 '	156	4.32 4.33
2.216		986 123	4	196	4 '	196	4 '	196	4 1	96	4 2	93	4 2	56 !93	4 2	156 293	4.32 4.33 4.34
2 216	2	986 123 216	4 2 2 :	196 277	4 - 2 2	196 277	4 2	196 277	4 1 2 2	96 77	4 2 2 3	93 80	4 2 2 3	56 193 180	4 ² 4 ² 2 ³	156 293 380	4.32 4.33 4.34 4.35
2 216 50	2	986 123	4 2 2 :	196	4 - 2 2	196	4 2	196	4 1	96 77	4 2	93 80	4 2	56 193 180	4 ² 4 ² 2 ³	156 293	4.32 4.33 4.34
50	2	986 123 216 50	4 2 2 2	196 277 25	2 2	196 277 25	21	196 277 25	4 1 2 2 2	96 777 5	4 2 2 3 5	93 80 4	4 2 2 3 5	56 !93 !80 4	4 ° 4 2 3 5 5	156 293 380 54	4.32 4.33 4.34 4.35 4.36
50 17,5 18,7	18,7	986 123 216 50	20,0	196 277 25 21,1	22,4	196 277 55	18,7	196 277 25	4 1 2 2 2 19,8	96 277 5	4 2 2 3 5	93 80 4 22,7	4 2 2 3 5	56 193 180 4	4 2 2 3 5 5	156 293 380 54 20,9	4.32 4.33 4.34 4.35 4.36
17,5 18,7 0,60 0,61	18,7	986 123 216 50 19,6 0,61	20,0	196 277 25 21,1 0,60	22,4 0,60	277 5 22,7 0,60	18,7 0,53	196 277 25 19,8 0,54	4 1 2 2 2 2 19,8 0,53	96 777 5 20,9 0,54	22,4 0,60	93 80 4 22,7 0,60	4 2 2 3 5 5 18,7 0,53	193 1880 4 19,5 0,54	4 2 2 3 5 5 19,8 0,53	293 380 54 20,9 0,54	4.32 4.33 4.34 4.35 4.36 5.1 5.2
50 17,5 18,7 0,60 0,61 0,50 0,42	18,7 0,60 0,50	986 123 216 50 19,6 0,61 0,42	20,0 0,60 0,50	277 25 21,1 0,60 0,42	22,4 0,60 0,50	22,7 0,60 0,42	18,7 0,53 0,50	196 277 25 19,8 0,54 0,42	19,8 0,53 0,50	96 5 20,9 0,54 0,42	22,4 0,60 0,50	93 80 4 22,7 0,60 0,42	4 2 2 3 5 5 18,7 0,53 0,50	193 880 4 19,5 0,54 0,42	4 1 4 2 3 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	156 293 380 54 20,9 0,54 0,42	4.32 4.33 4.34 4.35 4.36 5.1 5.2 5.3
17,5 18,7 0,60 0,61 0,50 0,42 19 033 11 450	18,7 0,60 0,50 21 805	986 123 216 50 19,6 0,61 0,42 11,450	20,0 0,60 0,50 21 556	196 277 25 21,1 0,60 0,42 13 154	22,4 0,60 0,50 21,805	22,7 0,60 0,42 11,708	18,7 0,53 0,50 18,877	196 277 25 19,8 0,54 0,42 11,708	4 1 2 2 2 19,8 0,53 0,50 21 805	96 277 5 20,9 0,54 0,42 11,708	22,4 0,60 0,50 21 805	93 80 4 22,7 0,60 0,42 12 594	4 2 2 3 5 5 18,7 0,53 0,50 18 570	193 880 4 19,5 0,54 0,42 12,594	4 2 2 3 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	156 293 380 54 20,9 0,54 0,42 12 594	4.32 4.33 4.34 4.35 4.36 5.1 5.2 5.3 5.5
17,5 18,7 0,60 0,61 0,50 0,42 19 033 11 450 22 028 11 450	18.7 0,60 0,50 21.805 21.805	986 123 216 50 19,6 0,61 0,42 11,450 11,450	20,0 0,60 0,50 21 556 24 164	196 277 25 21,1 0,60 0,42 13 154 13 154	22,4 0,60 0,50 21 805 21 805	22,7 0,60 0,42 11,708	18,7 0,53 0,50 18,877 21,952	196 277 25 19,8 0,54 0,42 11,708	4 1 2 2 2 19,8 0,53 0,50 21 805 21 805	96 277 5 20,9 0,54 0,42 11 708	22,4 0,60 0,50 21,805 21,805	93 80 4 22,7 0,60 0,42 12 594 12 594	4.2 2.3 5 18.7 0,53 0,50 18.570 21.609	56 193 180 4 19,5 0,54 0,42 12 594 12 594	4 2 3 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	293 380 54 20,9 0,54 0,42 12 594 12 594	4.32 4.33 4.34 4.35 4.36 5.1 5.2 5.3 5.5 5.6
17,5 18,7 0,60 0,61 0,50 0,42 19 033 11 450 22 028 11 450 21,0 29,3	18,7 0,60 0,50 21,805 21,805 25,0	986 123 216 50 19,6 0,61 0,42 11,450 11,450 29,3	20,0 0,60 0,50 21 556 24 164 23,0	196 277 25 21,1 0,60 0,42 13 154 13 154 30,2	22,4 0,60 0,50 21 805 21 805 26,1	22,7 0,60 0,42 11,708 11,708 26,6	18,7 0,53 0,50 18,877 21,952 18,1	196 277 25 19,8 0,54 0,42 11,708 11,708 26,6	19,8 0,53 0,50 21 805 21 805 22,1	96 777 5 20,9 0,54 0,42 11,708 11,708 26,6	22,4 0,60 0,50 21 805 24,0	93 80 4 22,7 0,60 0,42 12 594 12 594 26,9	4.2 2.3 5 18,7 0,53 0,50 18,570 21,609 15,2	19,5 0,54 0,42 12,594 12,594 26,9	4 4 2 3 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	20,9 0,54 0,42 12,594 12,594 26,9	4.32 4.33 4.34 4.35 4.36 5.1 5.2 5.3 5.5 5.6 5.7
17,5 18,7 0,60 0,61 0,50 0,42 19 033 11 450 22 028 11 450	18.7 0,60 0,50 21.805 21.805	986 123 216 50 19,6 0,61 0,42 11,450 11,450	20,0 0,60 0,50 21 556 24 164	196 277 25 21,1 0,60 0,42 13 154 13 154	22,4 0,60 0,50 21 805 21 805	22,7 0,60 0,42 11,708	18,7 0,53 0,50 18,877 21,952	196 277 25 19,8 0,54 0,42 11,708	4 1 2 2 2 19,8 0,53 0,50 21 805 21 805	96 277 5 20,9 0,54 0,42 11 708	22,4 0,60 0,50 21,805 21,805	93 80 4 22,7 0,60 0,42 12 594 12 594	4.2 2.3 5 18.7 0,53 0,50 18.570 21.609	56 193 180 4 19,5 0,54 0,42 12 594 12 594	4 2 3 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	293 380 54 20,9 0,54 0,42 12 594 12 594	4.32 4.33 4.34 4.35 4.36 5.1 5.2 5.3 5.5 5.6
17,5 18,7 0,60 0,61 0,50 0,42 19 033 11 450 22 028 11 450 21,0 29,3	18,7 0,60 0,50 21,805 21,805 25,0 35,4	986 123 216 50 19,6 0,61 0,42 11,450 11,450 29,3	20,0 0,60 0,50 21 556 24 164 23,0 30,3	196 277 25 21,1 0,60 0,42 13 154 13 154 30,2	22,4 0,60 0,50 21 805 21 805 26,1 30,4	22,7 0,60 0,42 11,708 11,708 26,6	18,7 0,53 0,50 18,877 21,952 18,1 25,8	196 277 25 19,8 0,54 0,42 11,708 11,708 26,6	19,8 0,53 0,50 21 805 21 805 22,1	96 277 5 20,9 0,54 0,42 11 708 11 708 26,6 26,6	22,4 0,60 0,50 21 805 24,0	93 80 4 22,7 0,60 0,42 12 594 12 594 26,9 26,9	4.2 2.3 5 18,7 0,53 0,50 18,570 21,609 15,2	19,5 0,54 0,42 12,594 12,594 26,9 26,9	4 2 2 3 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	20,9 0,54 0,42 12,594 12,594 26,9	4.32 4.33 4.34 4.35 4.36 5.1 5.2 5.3 5.5 5.6 5.7 5.8
17,5 18,7 0,60 0,61 0,50 0,42 19 033 11 450 22 028 11 450 21,0 29,3 28,0 29,3	18,7 0,60 0,50 21,805 21,805 25,0 35,4	986 123 216 50 19,6 0,61 0,42 11,450 11,450 29,3 29,3	20,0 0,60 0,50 21 556 24 164 23,0 30,3	196 277 25 21,1 0,60 0,42 13 154 13 154 30,2 30,2	22,4 0,60 0,50 21 805 21 805 26,1 30,4	22,7 0,60 0,42 11,708 11,708 26,6 26,6	18,7 0,53 0,50 18,877 21,952 18,1 25,8	196 277 25 19,8 0,54 0,42 11,708 11,708 26,6 26,6	19.8 0,53 0,50 21.805 21.805 22,1 30,4	96 277 5 20,9 0,54 0,42 11 708 11 708 26,6 26,6	4 2 2 3 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	93 80 4 22,7 0,60 0,42 12 594 12 594 26,9 26,9	4 2 2 3 5 5 5 18.7 0,53 0,50 18 570 21 609 15,2 21,7	19,5 0,54 0,42 12,594 12,594 26,9 26,9	4 2 2 3 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	20,9 0,54 0,42 12,594 12,594 26,9 26,9	4.32 4.33 4.34 4.35 4.36 5.1 5.2 5.3 5.5 5.6 5.7 5.8
17,5 18,7 0,60 0,61 0,50 0,42 19 033 11 450 22 028 11 450 21,0 29,3 28,0 29,3	18,7 0,60 0,50 21,805 21,805 25,0 35,4 Hyd	986 123 216 50 19,6 0,61 0,42 11,450 11,450 29,3 29,3	41 4 20,0 0,60 0,50 21,556 24,164 23,0 30,3 Hyd	196 277 25 21,1 0,60 0,42 13 154 13 154 30,2 30,2	22,4 0,60 0,50 21 805 21 805 26,1 30,4 Hydri	22,7 0,60 0,42 11,708 11,708 26,6 26,6	18,7 0,53 0,50 18,877 21,952 18,1 25,8	196 277 25 19,8 0,54 0,42 11,708 11,708 26,6 26,6 raulic	19.8 0,53 0,50 21.805 21.805 22,1 30,4	96 177 5 20,9 0,54 0,42 11 708 11 708 26,6 26,6 aulic	4 2 2 3 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	93 80 4 22,7 0,60 0,42 12 594 12 594 26,9 26,9 aulic	4 2 2 3 5 5 5 18.7 0,53 0,50 18 570 21 609 15,2 21,7	19,5 0,54 0,4 12,594 0,42 12,594 12,594 26,9 26,9 aulic	4 2 2 3 5 5 19,8 0,53 0,50 21 805 20,0 27,3 Hydi	20,9 0,54 0,42 12,594 12,594 26,9 26,9	4.32 4.33 4.34 4.35 4.36 5.1 5.2 5.3 5.5 5.6 5.7
50 17,5 18,7 0,60 0,61 0,50 0,42 19 033 11 450 22 028 11 450 21,0 29,3 28,0 29,3 Hydraulic	18,7 0,60 0,50 21 805 21 805 25,0 35,4 Hyd	986 123 216 50 19,6 0,61 0,42 11,450 29,3 29,3 raulic	41 4 20,0 0,60 0,50 21,556 24,164 23,0 30,3 Hyd	196 277 25 21,1 0,60 0,42 13 154 13 154 30,2 30,2 raulic	22,4 0,60 0,50 21 805 21 805 26,1 30,4 Hydri	22,7 0,60 0,42 11,708 11,708 26,6 26,6 audic	18.7 0.53 0.50 18.877 21.952 18.1 25.8 Hydi	196 277 25 19,8 0,54 0,42 11,708 11,708 26,6 26,6 raulic	4 1 2 2 2 2 2 2 2 19,8 0,53 0,50 21 805 22,1 30,4 Hydr	96 20,9 0,54 0,42 11,708 11,708 26,6 26,6 aulic	4 2 2 3 5 5 22,4 0,60 0,50 21 805 24,0 27,3 Hydr	93 80 4 22,7 0,60 0,42 12 594 12 594 26,9 26,9 aulic	4 2 2 3 5 5 18.7 0,53 0,50 18 570 21 609 15.2 21,7 Hydr	19,5 0,54 0,42 12,594 12,594 12,594 26,9 26,9 aulic	4 4 4 2 2 3 5 5 5 19,8 0,53 0,50 21 805 20,0 27,3 Hydi	293 380 54 20,9 0,54 0,42 12,594 12,594 26,9 26,9 raulic	4.32 4.33 4.34 4.35 4.36 5.1 5.2 5.3 5.5 5.6 5.7 5.8 5.10
17,5 18,7 0,60 0,61 0,50 0,42 19 033 11 450 22 028 11 450 21,0 29,3 Hydraulic	2 18,7 0,60 0,50 21,805 21,805 25,0 35,4 Hyd	986 123 216 50 19,6 0,61 0,42 11 450 11 450 29,3 29,3 raulic	41 4 20,0 0,60 0,50 21,556 24,164 23,0 30,3 Hyd	196 277 25 21,1 0,60 0,42 13 154 13 154 13 154 30,2 30,2 raulic	22,4 0,60 0,50 21,805 21,805 26,1 30,4 Hydri	22,7 0,60 0,42 11,708 11,708 26,6 26,6 aulic	18,7 0,53 0,50 18,877 21,952 18,1 25,8 Hydr	196 277 25 19,8 0,54 0,42 11,708 11,708 26,6 26,6 audic	41 22 2 19,8 0,53 0,50 21 805 21 805 22,1 30,4 Hydr	96 20,9 0,54 0,42 11 708 11 708 26,6 26,6 audic	4 2 2 3 5 5 22,4 0,60 0,50 21 805 24,0 27,3 Hydrn	93 80 4 22,7 0,60 0,42 12,594 12,594 26,9 26,9 aulic	4 2 2 3 5 5 18,7 0,53 0,50 18 570 21 609 15,2 21,7 Hydr	56 993 880 4 19,5 0,54 0,42 12,594 12,594 26,9 26,9 aulic	4 4 4 2 2 3 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	293 380 54 20,9 0,54 0,42 12,594 12,594 12,594 26,9 26,9 raulic	4.32 4.33 4.34 4.35 4.36 5.1 5.2 5.3 5.5 5.6 5.7 5.8 5.10
17,5 18,7 0,60 0,61 0,50 0,42 19 033 11 450 22 028 11 450 21,0 29,3 28,0 29,3 Hydraulic GM 2.4L 46,2	2 18,7 0,60 0,50 21,805 21,805 25,0 35,4 Hyd	986 123 216 50 19,6 0,61 0,42 11 450 29,3 29,3 raulic	41 4 20,0 0,60 0,50 21,556 24,164 23,0 30,3 Hyd	196 277 25 21,1 0,60 0,42 13 154 13 154 30,2 30,2 30,2 raulic	22,4 0,60 0,50 21,805 21,805 26,1 30,4 Hydri	22,7 0,60 0,42 11,708 11,708 26,6 26,6 26,6 audic	18,7 0,53 0,50 18,877 21,952 18,1 25,8 Hydr	196 2277 25 19,8 0,54 0,42 11,708 11,708 26,6 26,6 26,6	41 22 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	96 20,9 0,54 0,42 11 708 11 708 26,6 26,6 audic	4 2 2 3 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	93 80 4 22,7 0,60 0,42 12,594 12,594 26,9 26,9 aulic	4 2 2 3 5 5 5 18,7 0,53 0,50 18 570 21 609 15,2 21,7 Hydr	56 993 880 4 19,5 0,54 0,42 12,594 12,594 26,9 26,9 aulic	4 4 4 2 2 3 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	156 293 380 54 20,9 0,54 0,42 12,594 12,594 26,9 26,9 26,9 26,9	4.32 4.33 4.34 4.35 4.36 5.1 5.2 5.3 5.5 5.6 5.7 5.8 5.10
17,5 18,7 0,60 0,61 0,50 0,42 19 033 11 450 22 028 111 450 21,0 29,3 28,0 29,3 Hydraulic GM 2.4L 46,2 2 700	2 18,7 0,60 0,50 21,805 21,805 25,0 35,4 Hyd GM 4 2	986 123 216 50 19,6 0,61 0,42 11 450 29,3 29,3 29,3 raulic	41 4 22: 20,0 0,60 0,50 21556 24164 23,0 30,3 Hyd	196 277 25 21,1 0,60 0,42 13 154 13 154 30,2 30,2 raulic	22.4 0,60 0,50 21 805 26.1 30,4 Hydri Yanmar 44	22,7 55 22,7 0,60 0,42 11,708 11,708 26,6 26,6 26,6 4TNE98	18,7 0,53 0,50 18,877 21,952 18,1 25,8 Hydi	196 277 25 19,8 0,54 0,42 11 708 11 708 26,6 26,6 26,6 24,4 3,2	4 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	96 777 5 20,9 0,54 0,42 11 708 11 708 26,6 26,6 aulic	4 2 2 3 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	93 80 4 22,7 0,60 0,42 12 594 12 594 26,9 26,9 aulic	4 2 2 3 5 5 18,7 0,53 0,50 18 570 21 609 15,2 21,7 Hydr 466 2 7 7	56 993 880 4 19,5 0,54 0,42 12,594 12,594 26,9 26,9 aulic	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	20,9 0,54 0,42 12,594 12,594 12,594 26,9 26,9 22,4L 2.4L 2.4L	4.32 4.33 4.34 4.35 4.36 5.1 5.2 5.3 5.5 5.6 5.7 5.8 5.10 7.1 7.2 7.3
17,5 18,7 0,60 0,61 0,50 0,42 19 033 11 450 22 028 111 450 21,0 29,3 28,0 29,3 Hydraulic GM 2.4L 46,2 2 700	2 18,7 0,60 0,50 21,805 21,805 25,0 35,4 Hyd GM 4 2	986 123 216 50 19,6 0,61 0,42 11 450 29,3 29,3 29,3 raulic	20,0 0,60 0,50 21,556 24,164 23,0 30,3 Hyd Yanmar 41 2,1	196 277 25 21,1 0,60 0,42 13 154 13 154 30,2 30,2 raulic	22,4 0,60 0,50 21,805 21,805 26,1 30,4 Hydr Yanmar 48 2,6 4	22,7 55 22,7 0,60 0,42 11,708 11,708 26,6 26,6 26,6 4TNE98	4 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	196 277 25 19,8 0,54 0,42 11 708 11 708 26,6 26,6 26,6 24,4 3,2	4 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	96 777 5 20,9 0,54 0,42 11 708 11 708 26,6 26,6 audic 2.4L .2 00 2 400	4 2 2 3 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	93 80 4 22,7 0,60 0,42 12 594 12 594 26,9 aulic 4TNE98 .5 00 3 3 319	4 2 2 3 5 5 18,7 0,53 0,50 18 570 21 609 15,2 21,7 Hydr 466 2 7 7	56 993 880 4 19,5 0,54 0,42 12,594 12,594 26,9 26,9 aulic	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	20,9 0,54 0,42 12,594 12,594 12,594 26,9 26,9 22,4L 2.4L 2.4L	4.32 4.33 4.34 4.35 4.36 5.1 5.2 5.3 5.5 5.6 5.7 5.8 5.10 7.1 7.2 7.3
17,5 18,7 0,60 0,61 0,50 0,42 19 033 11 450 22 028 11 450 21,0 29,3 28,0 29,3 Hydraulic GM 2.4L 46,2 2 700 4 2 400 Automatic	2 18,7 0,60 0,50 21,805 21,805 25,0 35,4 Hyd 4 2 2	986 123 216 50 19,6 0,61 0,42 11 450 29,3 29,3 raulic 12.4L 6,2 7700 2 400	20.0 0,60 0,50 21 556 24 164 23.0 30.3 Hyd Yanmar 44 2 1	196 277 25 21,1 0,60 0,42 13 154 13 154 30,2 30,2 raulic 4TNE98 8,5 660 3 319	22,4 0,60 0,50 21 805 26,1 30,4 Hydr Yanmar 48 2 6 4	22,7 0,60 0,42 11,708 11,708 26,6 26,6 aulic 4TNE98 3,5	18,7 0,53 0,50 18,877 21,952 18,1 25,8 Hydi	198	4 1 1 2 2 2 2 2 2 1 19.8 0.53 0.50 21 805 22.1 30.4 Hydr 46 2 7 4 4	96 777 5 20,9 0,54 0,42 11 708 11 708 26,6 26,6 audic 2.4L2 00 2.400	4 2 2 3 5 5 22,4 0,60 0,50 21 805 24,0 27,3 Hydr 48 2 6 4 4 4	93 80 4 22,7 0,60 0,42 12,594 12,594 26,9 26,9 audic 4TNE98 ,5	4 2 2 3 5 5 18.7 0,53 0,50 18.570 21.609 15,2 21,7 Hydr 466 2 7 4	56 993 180 4 19,5 0,64 0,42 12,594 26,9 26,9 aulic 2.4L .2 00 2.400	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	156 293 380 564 20,9 0,54 0,42 12,594 12,594 26,9 26,9 raulic 2.4L 6,2 700 2,400	4.32 4.33 4.34 4.35 4.36 5.1 5.2 5.3 5.5 5.6 5.7 5.8 5.10 7.1 7.2 7.3 7.4
17,5 18,7 0,60 0,61 0,50 0,42 19 033 11 450 22 028 11 450 21,0 29,3 28,0 29,3 Hydraulic GM 2.4L 46,2 2 700 4 2 400 Automatic 0-155	2 18,7 0,60 0,50 21,805 21,805 25,0 35,4 Hyd 4 2 2 4	986 123 216 50 19,6 0,61 0,42 11 450 29,3 29,3 raulic 2.4L 6,2 700 2 400	20.0 0,60 0,50 21 556 24 164 23.0 30.3 Hyd Yanmar 44 2.0 4	196 2277 225 21,1 0,60 0,42 13 154 13 154 30,2 30,2 30,2 raulic 4TNE98 8,5 600 3 319 matic	22,4 0,60 0,50 21,805 26,1 30,4 Hydu Yanman 44 2 0 4	22,7 0,60 0,42 11,708 11,708 26,6 26,6 audic 4TNE98 3,5 500 3,319	4 2 4 2 4 18.7 0.53 0.50 18.875 21.952 18.1 25.8 Hydi	198	4 1 1 2 2 2 2 2 2 1 19,8 0,53 0,50 21 805 22,1 30,4 Hydr 466 2 7 4 4 Autot 0-1	96 777 5 20,9 0,54 0,42 11 708 26,6 26,6 aulic 2.44L .2 2000 2 4000 mattic 55	4 2 2 3 5 5 22,4 0,60 0,50 21 805 24,0 27,3 Hydr 48 2 2 6 4 1 4 1 4 1 4 1 4 1 4 1 4 1 4 1 4 1 4	93 80 4 22,7 0,60 0,42 12 594 12 594 26,9 26,9 audic 4TNE98 .5 00 3 3 319	4 2 2 3 5 5 18.7 0,53 0,50 18.570 18.570 15.2 21.7 Hydr 466 2.7 4 4 Autor 0-1	56 993 880 4 19,5 0,54 0,42 12 594 26,9 26,9 audic 2.4L ,2 700 2 400	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	156 293 380 54 20,9 0,54 0,42 12,594 12,594 26,9 26,9 26,9 24,0 2,4L 6,2 700 2,400 mattic	5.1 5.2 5.3 5.5 5.6 5.7 5.8 5.10 7.1 7.2 7.3 7.4
17.5 18.7 0,60 0,61 0,50 0,42 19 033 11 450 22 028 11 450 21,0 29,3 4 2 400 Automatic 0-155 66	2 18,7 0,60 0,50 21 805 25,0 35,4 Hyd 4 2 2 4	986 123 216 50 19,6 0,61 0,42 11 450 29,3 29,3 29,3 raulic 2.4L 6,2 700 2 400 0 matic 155 666	41 4 4 2 2 2 20,0 0,60 0,50 21 556 24 164 23,0 30,3 Hyd Yanmai 44 2 4 4	196 277 25 21,1 0,60 0,42 13 154 13 154 30,2 30,2 raulic - 4TNE98 8,5 600 3 319	22,4 0,60 0,50 21,805 21,805 26,1 30,4 Hydi 44 2,6 4 Auto 0- 7	22,7 0,60 0,42 11,708 11,708 26,6 26,6 26,6 audic 4TNE98 3,5 500 3,319	4 2 4 2 4 2 4 18.7 0.53 0.50 18.87 21.952 18.1 25.8 Hydi	196 277 19,8 0,54 0,42 11,708 11,708 26,6 26,6 audic 2.4L 5,2 700 2.400 matic	4 1 1 2 2 2 2 2 2 19,8 0,53 0,50 21 805 22,1 30,4 Hydrn 446 2 2 7 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	96 777 5 20,9 0,54 0,42 11 708 11 708 26,6 26,6 26,6 aulic 2.44L 2.2 700 2 400 matic 55 6	4 2 2 3 5 5 22,4 0,60 0,50 21 805 24,0 27,3 Hydrn 48 2 6 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	93 80 4 22,7 0,60 0,42 12,594 12,594 26,9 26,9 26,9 3,319 mattic	4 2 2 3 5 5 18.7 0.53 0.50 18.570 21.609 15.2 21.7 Hydr 466 2 7 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	56 993 880 4 4 19,5 0,54 0,42 12,594 12,594 26,9 26,9 audic 2.44L 2.2 200 2,400 matric 55 6	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	156 293 380 54 20,9 0,54 0,42 12,594 12,594 26,9 26,9 26,9 24,0 2,4L 6,2 700 2,400 mattic 155 66	5.1 5.2 5.3 5.5 5.6 5.7 5.8 5.10 7.1 7.2 7.3 7.4
50 17,5 18,7 0,60 0,61 0,50 0,42 19 033 11 450 22 028 11 450 21,0 29,3 28,0 29,3 Hydraulic GM 2.4L 46,2 2 700 4 2 400 Automatic 0-155 66 80	2 18,7 0,60 0,50 21,805 21,805 25,0 GM 4 2 2 4	986 123 216 50 19,6 0,61 0,42 11 450 11 450 29,3 29,3 raulic 22,4L 6,2 700 2 400	41 4 4 4 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	196 277 255 21,1 0,60 0,42 13 154 13 154 30,2 30,2 30,2 30,2 33,2 33,2 33,2 33,2	4 2 2 4 0,60 0,50 21 805 21 805 26.1 30,4 Hydr 4 4 4 Auto 0-7 8 8	22,7 0,60 0,42 11 708 11 708 26,6 26,6 26,6 3,5 5000 3 3 3 19	4 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	196 277 19,8 0,54 0,42 11,708 11,708 26,6 26,6 26,6 22,4L 5,22 000 2,400 mattic 155	41 2 2 2 2 2 19.8 0,53 0,50 21 805 21 805 22,1 30,4 Hydr GM 46 2 7 4 4 Auton 0-1 6 6 8 8 8	96 777 5 20,9 0,54 0,42 11 708 11 708 26,6 26,6 20,0 2 400 mattic 55 6 0	4 2 2 3 5 5 5 22,4 0,60 0,50 21 805 21 805 24,0 27,3 Hydrn Yanmar 48 2 6 4 4 Autor 0-1 7 7 8 8	93 80 4 22,7 0,60 0,42 12 594 12 594 26,9 26,9 3 319 antic 55 5	4 2 2 3 5 5 18.7 0.53 0.50 18.570 21.609 15.2 21.7 Hydr GM : 2 7 4 Autor 0-1 6 8 8 8	56 993 880 4 4 19,5 0,54 0,42 12 594 12 594 26,9 26,9 2400 2 400 matic 555 6 6 0 0	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	156 293 380 54 20,9 0,54 0,42 12,594 12,594 26,9 26,9 26,9 22,4L 6,2 700 2,400 mattic 155 56	5.1 5.2 5.3 5.5 5.6 5.7 5.8 5.10 7.1 7.2 7.3 7.4
17.5 18.7 0.60 0.61 0.50 0.42 19.033 11.450 22.028 11.450 21.0 29.3 28.0 29.3 Hydraulic GM 2.4L 46.2 2.700 4 2.400 Automatic 0-155 66	2 18,7 0,60 0,50 21 805 25,0 35,4 Hyd 4 2 4 Autt 0-	986 123 216 50 19,6 0,61 0,42 11 450 29,3 29,3 29,3 raulic 2.4L 6,2 700 2 400 0 matic 155 666	41 4 4 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	196 277 25 21,1 0,60 0,42 13 154 13 154 30,2 30,2 raulic - 4TNE98 8,5 600 3 319	4 2 2 4 0,60 0,50 21 805 26.1 30,4 Hydri 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	22,7 0,60 0,42 11,708 11,708 26,6 26,6 26,6 audic 4TNE98 3,5 500 3,319	4 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	196 277 19,8 0,54 0,42 11,708 11,708 26,6 26,6 audic 2.4L 5,2 700 2.400 matic	4 1 1 2 2 2 2 2 2 19,8 0,53 0,50 21 805 22,1 30,4 Hydrn 446 2 2 7 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	96 777 5 20,9 0,54 0,42 11 708 11 708 26,6 26,6 aulic 2.4L2 00 2 400 mattic 55 6 0 0	4 2 2 3 5 5 22,4 0,60 0,50 21 805 24,0 27,3 Hydrn 48 2 6 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	93 80 4 22,7 0,60 0,42 12 594 12 594 26,9 aulic 4TNE98 .5 00 3 319 matic 55 5 0	4 2 2 3 5 5 18,7 0,53 0,50 18 570 21 609 15,2 21,7 Hydr 46 2 7 4 Autor 0-1 6 8 8 1 10	56 993 880 4 4 19,5 0,54 0,42 12 594 12 594 26,9 26,9 2400 2 400 matic 555 6 6 0 0	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	156 293 380 54 20,9 0,54 0,42 12,594 12,594 26,9 26,9 26,9 24,0 2,4L 6,2 700 2,400 mattic 155 66	5.1 5.2 5.3 5.5 5.6 5.7 5.8 5.10 7.1 7.2 7.3 7.4



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.

Maximum fork height (mm) Overall lowered height (mm) Overall extended height (mm 140 ▽ 140 ▽ 140 ▽ 140 ▽ 5° 5° 5° 5° 4 515 **\$**5 015 **\$**5 555 **\$**6 055 **\$** 3 290 2 170 3 790 4 330 4 830 2 420 2 770 3 020 3 300 5° 2 170 4 525 � 1 555 ▽ 4 350 4 950 5 550 6 000 1 970 2 170 2 420 2 620 5 570 **\$**6 170 **\$**6 770 **\$**7 220 **\$** 1 380 ▽ 1 580 ▽ 1 830 ▽ 2 030 ▽

	Masts H3.0-3.5FT								
	Maximum fork height (mm)	Back tilt	Overall lowered height (mm)	Overall extended height (mm)	Free lift (top of forks) (mm)				
2-Stage limited free lift	3 105 3 605 4 105 4 605	5° 5° 5° 5°	2 195 2 445 2 795 3 045	4 335 * 4 835 * 5 335 * 5 835 *	150 ▽ 150 ▽ 150 ▽ 150 ▽				
2-Stage full free lift	3 110	5°	2 195	4 335 ❖	1 495 ▽				
3-Stage full free lift	4 015 4 615 4 915 5 215 5 815	5° 5° 5° 5° 5°	1 995 2 195 2 345 2 445 2 695	5 245 * 5 845 * 6 145 * 6 445 * 7 045 *	1 315 ♥ 1 515 ♥ 1 665 ♥ 1 765 ♥ 2 015 ♥				

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

	Pneumatic Shaped Solid Tyres										
	Maximum	Without sideshift		With integr	al sideshift	Maximum	Without	sideshift	With integra	sideshift	
	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	3 290 3 790 4 330 4 830	2 000 2 000 2 000 1 910	2 500 2 500 2 500 2 400	2 000 2 000 1 990 1 890	2 500 2 500 2 480 2 370	3 105 3 605 4 105 4 605	3 000 3 000 3 000 2 890	3 500 3 500 3 500 3 500 3 390	2 970 2 950 2 940 2 830	3 490 3 480 3 460 3 340	
2-Stage full free lift	3 300	2 000	2 500	2 000	2 500	3 110	3 000	3 500	2 960	3 490	
3-Stage full free lift	4 350 4 950 5 550 6 000	2 000 1 890 1 760 1 660	2 500 2 370 2 240 1 2 120 1	1 970 1 850 1 720 1 600	2 500 2 370 2 220 4 2 090 4	4 015 4 615 4 915 5 215 5 815	3 000 2 900 2 840 2 740 2 610 4	3 500 3 400 3 320 1 3 250 1 2 950 1	2 930 2 830 2 760 2 680 2 510 4	3 460 3 350 3 260 3 180 4 2 970 4	

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

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

H2,0-3,5FT - Capacity chart in kg @ 500 mm load centre

				1	Michelin XZM (Radial) Tyres				
	Maximum	Without sideshift		With integr	al sideshift	Maximum	Without	sideshift	With integra	al sideshift
	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	3 290 3 790 4 330 4 830	2 000 2 000 2 000 1 900	2 500 2 500 2 500 2 500 2 390 €	2 000 2 000 1 990 1 890	2 500 2 500 2 480 2 360 4	3 105 3 605 4 105 4 605	3 000 3 000 3 000 2 890	3 500 3 500 3 500 3 340	2 970 2 950 2 940 2 820	3 490 3 480 3 460 3 340
2-Stage full free lift	3 300	2 000	2 500	2 000	2 500	3 110	3 000	3 500	2 960	3 490
3-Stage full free lift	4 350 4 950 5 550 6 000	2 000 1 880 ¶ 1 760 ¶ 1 650 ¶	2 500 ¶ 2 370 ¶ 2 240 * 2 130 *	1 970 1 850 ¶ 1 710 ¶ 1 600 ¶	2 500 ¶ 2 370 ¶ 2 220 * 2 100 *	4 015 4 615 4 915 5 215 5 815	3 000 2 900 4 2 830 4 2 760 4 2 610 *	3 500 4 3 400 4 3 330 * 3 250 * 3 080 *	2 930 2 830 4 2 750 4 2 680 4 2 510 *	3 430 3 350 4 3 270 * 3 190 * 3 000 *

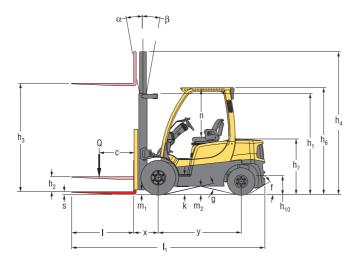
H2.0-3_5FT - Capacity chart in kg @ 600 mm load centre

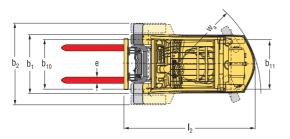
		Michelin XZM (Radial) Tyres											
	Maximum			With integr	al sideshift	Maximum	Without	sideshift	With integra	al sideshift			
	fork height (mm)	H2.0FT	H2.5FT	H2.0FT	H2.5FT	fork height (mm)	H3.0FT	H3.5FT	H3.0FT	H3.5FT			
Z-Stage limited free lift	3 290 3 790 4 330 4 830	1 920 1 910 1 890 1 790	2 370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

Note: To calculate truck capacities with alternative truck specifications to the ones shown in the above tables, please consult your Hyster dealer.

The rated capacities shown are for masts in a vertical position on trucks equipped with standard or sideshift carriage, and nominal length forks. Masts above the maximum fork heights shown in the mast table are classified as high lift, and depending on the tyre/tread configuration may require reduced capacity, restricted back tilt or wide tread.

Truck dimensions







= Centre of gravity of unladen truck

 $Ast = W_a + x + I_6 + a$ (see lines 4.33 & 4.34)

a = Minimum operating clearance

(V.D.I. standard = 200 mm BITA recommendation = 300 mm)

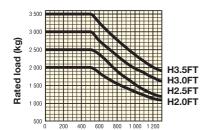
I₆ = Load length

Model

Dimensions (mm)

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

Rated capacities



Load centre (mm)

Load centre

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

Rated load

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

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
- h₆ subject to +/- 5 mm tolerance
- O Full-suspension seat in depressed position
- Subtract 32 mm without load backrest
- ♦ Stacking aisle width (lines 4.33 & 4.34) are based on the V.D.I. standard calculation as shown on illustration. The British Industrial Truck Association recommends the addition of 100 mm to the total clearance (dimension a) for extra operating margin at the rear of the truck.
- † Gradeability figures (lines 5.7 & 5.8) are provided for comparison of tractive performance, but are not intended to endorse the operation of the vehicle on the stated inclines. Follow instructions in the operating manual regarding operation on inclines.
- □ Variable
- Measured according to the test cycles and based on the weighting values contained in EN12053

Mast tables:

- With load backrest
- abla Without load backrest
- Wide tread or Dual Drive Wheels required
- Dual Drive Wheels required

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.



Product Packages

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

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

Model / Bundle	H2.0FT			H2.5FT		
DIESEL	Engine	Transmission	Brakes	Engine	Transmission	Brakes
Fortens	Yanmar 2.6l	Powershift Transmission 1 speed	Drum	Yanmar 2.6l	Powershift Transmission 1 speed	Drum
	_	-	-	Yanmar 3.3l	Powershift Transmission	Drum
Fortens Advance	Yanmar 2.6l	DuraMatch™ Electronic	ADS Drum	Yanmar 2.6l	1 speed DuraMatch™ Electronic	ADS Drum
	Yanmar 2.6l	1 speed DuraMatch™ Electronic	Wet	Yanmar 2.6l	1 speed DuraMatch™ Electronic	Wet
Fortens Advance+	Yanmar 3.3l	1 speed DuraMatch™ Electronic 1 speed	ADS Drum	Yanmar 3.3I	1 speed DuraMatch™ Electronic 1 speed	ADS Drum
	Yanmar 3.3l	DuraMatch™ Electronic 1 speed	Wet	Yanmar 3.3I	DuraMatch™ Electronic 1 speed	Wet
	Yanmar 3.3l	DuraMatch™ Plus 2 speed	Wet	Yanmar 3.3I	DuraMatch™ Plus 2 speed	Wet
		L 0p000			L 00000	
Model / Bundle	H3.0FT			H3.5FT		
DIESEL	Engine	Transmission	Brakes	Engine	Transmission	Brakes
Fortens	Yanmar 2.6l	Powershift Transmission 1 speed	Drum	-	-	-
	Yanmar 3.3l	Powershift Transmission 1 speed	Drum	Yanmar 3.3I	Powershift Transmission 1 speed	Drum
Fortens Advance	Yanmar 2.6l	DuraMatch™ Electronic 1 speed	ADS Drum	Yanmar 3.3I	DuraMatch™ Electronic 1 speed	ADS Drum
	Yanmar 2.6l	DuraMatch™ Electronic 1 speed	Wet	Yanmar 3.3I	DuraMatch™ Electronic 1 speed	Wet
Fortens Advance+	Yanmar 3.3l	DuraMatch™ Electronic 1 speed	ADS Drum	Yanmar 3.3I	DuraMatch™ Plus2 2 speed	Wet
	Yanmar 3.3l	DuraMatch™ Electronic 1 speed	Wet	-	-	-
	Yanmar 3.3l	DuraMatch™ Plus 2 speed	Wet	-	-	_
Model / Bundle	H2.0FT			H2.5FT		
		T+	In .		1	la i
LPG Fortens	Engine Mazda 2.0l	Powershift Transmission	Brakes Drum	Engine Mazda 2.0l	Powershift Transmission	Drum
Fortens Advance	Mazda 2.2l	1 speed DuraMatch™ Electronic	ADS Drum	Mazda 2.2l	1 speed DuraMatch™ Electronic	ADS Drum
	Mazda 2.2l	1 speed DuraMatch™ Electronic	Wet	Mazda 2.2l	1 speed DuraMatch™ Electronic	Wet
Fortens Advance+	GM 2.4I	1 speed DuraMatch™ Electronic 1 speed	ADS Drum	GM 2.4I	1 speed DuraMatch™ Electronic 1 speed	ADS Drum
	GM 2.4I	DuraMatch™ Electronic 1 speed	Wet	GM 2.4I	DuraMatch™ Electronic 1 speed	Wet
	GM 2.4I	DuraMatch™ Plus 2 speed	Wet	GM 2.4I	DuraMatch™ Plus 2 speed	Wet
		1 - 0,000			1 - 3 - 3 - 3 - 3 - 3 - 3 - 3 - 3 - 3 -	<u>'</u>
Model / Bundle	H3.0FT	1_		H3.5FT		1
LPG	Engine	Transmission	Brakes	Engine	Transmission	Brakes
Fortens	Mazda 2.0l	Powershift Transmission 1 speed	Drum	Mazda 2.2l	Powershift Transmission 1 speed	Drum
Fortens Advance	Mazda 2.2l	DuraMatch™ Electronic 1 speed	ADS Drum	Mazda 2.2l	DuraMatch™ Electronic 1 speed	ADS Drum
	Mazda 2.2l	DuraMatch™ Electronic 1 speed	Wet	Mazda 2.2l	DuraMatch™ Electronic 1 speed	Wet
Fortens Advance+	GM 2.4I	DuraMatch™ Electronic 1 speed	ADS Drum	GM 2.4I	DuraMatch™ Electronic 1 speed	ADS Drum
	0.40.4	DuraMatch™ Electronic	Wet	GM 2.4I	DuraMatch™ Electronic	Wet
	GM 2.4I	1 speed	1100		1 speed	

Please refer to the Price List for full option configurations.



Product Features

The Standard Fortens model features an Electronic Powershift Transmission.

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

- Auto Deceleration System (ADS) automatically slows the truck when the accelerator pedal is released, and finally brings the truck to a stop, which helps to significantly extend brake life. In addition, this feature assists the driver to accurately position the truck in front of a load. There are 10 ADS settings, programmable via the dash display by a service technician, which deliver different braking characteristics, from very gradual to aggressive, to suit the needs of the application.
- Controlled Power Reversal; the Pacesetter 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.

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

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

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

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

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

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

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

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

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

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

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

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

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











Strong Partners, Tough Trucks, for Demanding Operations Everywhere.

Hyster supplies a complete product range, including Warehouse trucks, IC and Electric Counterbalanced trucks, Container Handlers and Reach Stackers.

Hyster is committed to being much more than a lift truck supplier. Our aim is to offer a complete partnership capable of responding to the full spectrum of materials handling issues:

Whether you need professional consultancy on your fleet management, fully qualified service support, or reliable parts supply, you can depend on Hyster.

Our network of highly trained dealers provides expert, responsive local support. They can offer cost-effective finance packages and introduce effectively managed maintenance programmes to ensure that you get the best possible value. Our business is dealing with your materials handling needs so you can focus on the success of your business today and in the future.



04/08/TLC Printed in England Form No. 901015/3

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