



STRONG PARTNERS. TOUGH TRUCKS.

# IC Counterbalanced Lift Trucks H6.0-7.0FT Fortens / Fortens Advance

6 000 – 7 000 kg



## Fortens H6.0FT, H7.0FT

			HYS	STER	HYS	TER	HYS	TER	HYS	TER	
1.1	Manufacturer										1.1
1.2	Model designation			.0FT	H6.		H7.		H7.		1.2
	Model - Manufacturer designation			tens		tens	For		For		
	Engine / transmission			ins 4.5L Powershift	GM Electronic	4.3L Powershift	Cummi Electronic		GM Electronic		1.3 1.4
	Brake type			Brakes		Brakes	Wet B		Wet E		
1.3	Power: battery, diesel, LPG, electric mains			ese		PG	Die		LF		1.3
1.3	Operation: manual, pedestrian, stand, seat, orderpicker			eat		eat	Se		Se		1.3
1.5	Load capacity	Q (kg)		000		)00	7 (		7 (		1.5
1.6	Load centre	c (mm)		00		00	6		60		1.6
1.7	Load distance	x (mm)		01	6		61		60		1.7
1.8	Wheelbase	y (mm)		235		235	2 2		2 2		1.8
	*****	<b>,</b> ()									
2.1	Unladen weight	kg	9 .	126	9 (	)33	9.6	640	9 5	47	2.1
2.2	Axle loading with load, front/rear	kg	13 784	1 373	13 784	1 373	15 047	1 530	15 047	1 530	2.1 2.2 2.3
2.3	Axle loading without load, front/rear	kg	4 350	4 684	4 350	4 684	4 215	5 332	4 215	5 332	2.3
3.1	Tyres: L=pneumatic, V=solid, SE=pneumatic-shaped solid			L		L		_	-	-	3.1
3.2	Tyre size, front		8.25 x1	15 14PR	8.25 x1	5 14PR	8.25 x1	5 14PR	8.25 x1	5 14PR	3.2
3.3	Tyre size, rear		8.25 x1	15 14PR	8.25 x1	5 14PR	8.25 x1	5 14PR	8.25 x1	5 14PR	3.3
3.5 3.6	Number of wheels, front/rear (X = driven)		4X	2	4X	2	4X	2	4X	2	3.5
3.6	Track width, front	b <sub>10</sub> (mm)		846		346	18		18		3.6
3.7	Track width, rear	b <sub>11</sub> (mm)	13	535	15	535	15	535	15	35	3.7
4.1	Mast tilt, $\alpha$ = forward/ $\beta$ = back	degrees	5	10	5	10	5	10	5	10	4.1
4.2	Height of mast, lowered	h <sub>1</sub> (mm)	-	740	-	740	27		27		4.2
4.3	Free lift ¶	h <sub>2</sub> (mm)		00		00	10		10		4.3
4.4	Lift height ¶	h <sub>3</sub> (mm)		340		340	3 3		3 3		4.4
4.5	Height of mast, extended +	h <sub>4</sub> (mm)		530		530	4 5		4 5		4.5
4.7	Overhead guard height	h <sub>6</sub> (mm)		531	2 5		2 5		2 5		4.7
4.8	Seat height O	h <sub>7</sub> (mm)		540		540	15		15		4.8
4.12	Towing coupling height	h <sub>10</sub> (mm)		74		74	4		4		4.12
4.19	Overall length	I <sub>1</sub> (mm) I <sub>2</sub> (mm)		805 605		305 305	48		48		4.19
4.20 4.21	Length to face of forks	b <sub>1</sub> (mm)		005		)82	2 (		2 (		4.20
4.21	Overall width - dual-drive wheels Fork dimensions	s/e/I (mm)		50 1 200		50 1 200	60 1		60 15		4.21
4.22	Fork carriage DIN 15173. Class, A/B	5/6/1 (11111)		7 A		'A	00 N		IV		4.22
4.23	Fork carriage width •	b <sub>3</sub> (mm)		980		980	19		19		4.23
4.31	Ground clearance under mast, with load	m <sub>1</sub> (mm)		25		25	1:		12		4.31
4.32	Ground clearance, centre of wheelbase	m <sub>2</sub> (mm)		53		53	2		2		4.32
4.33	Aisle width with pallets 1 000 mm x 1 200 mm wide 🔶	Ast (mm)		163		63	5 2		5 2		4.33
4.34	Aisle width with pallets 800 mm x 1 200 mm long ◆	Ast (mm)		329		329	5 3		5 3		4.34
4.35	Outer turning radius	W <sub>a</sub> (mm)	3 3	320	3 3	320	3 3	388	3 3	88	4.35
4.36	Inner turning radius	b <sub>13</sub> (mm)	2	30	23	30	23	30	23	30	4.36
5.1	Travel speed with/without load	km/h	22,4	22,9	22,4	22,9	22,4	22,9	22,4	22,9	5.1
5.2	Lifting speed with/without load (2LFL )	m/sec	0,49	0,50	0,53	0,54	0,45	0,46	0,53	0,54	5.2
5.3	Lowering speed with/without load (2LFL )	m/sec	0,58	0,43	0,58	0,43	0,58	0,43	0,58	0,43	5.3
5.5	Drawbar pull with/without load @ 1,6 km/h	N	35 315	27 354	35 422	27 109	35 070	26 620	35 177	26 397	5.5
5.6	Maximum drawbar pull with/without load	N	46 280	27 354	42 773	27 109	46 044	26 620	42 529	26 397	5.6
				20,2		18,2	22,8	16,2	22,6	16,2	5.7
5.7	Gradeability with/without load @ 1,6 km/h †	%	25,2		25,1						5.8
5.7 5.8	Gradeability with/without load @ 1,6 km/h † Maximum gradeability with/without load †	%	34,1	20,2	30,6	18,2	30,7	16,2	27,6	16,2	
	Gradeability with/without load @ 1,6 km/h †		34,1		30,6		30,7	16,2 aulic	27,6 Hydr		5.10
5.8 5.10	Gradeability with/without load @ 1,6 km/h † Maximum gradeability with/without load † Service brake		34,1 Hydi	20,2 raulic	30,6 Hydr	18,2 raulic	30,7 Hydr	aulic	Hydr	aulic	5.10
5.8 5.10 7.1	Gradeability with/without load @ 1,6 km/h † Maximum gradeability with/without load † Service brake Engine manufacturer/type	%	34,1 Hydi	20,2 raulic	30,6 Hydr GM	18,2 aulic 4.3L	30,7 Hydr	aulic mins	Hydr GM	aulic 4.3L	5.10 7.1
5.8 5.10 7.1	Gradeability with/without load @ 1,6 km/h † Maximum gradeability with/without load † Service brake Engine manufacturer/type Engine output, in accordance with ISO 1585	% kW	34,1 Hydi	20,2 raulic	30,6 Hydr GM 7	18,2 aulic 4.3L 7	30,7 Hydr Cum 5	raulic mins 8	Hydr GM 7	aulic 4.3L 7	5.10 7.1 7.2
5.8 5.10 7.1 7.2 7.3	Gradeability with/without load @ 1,6 km/h † Maximum gradeability with/without load † Service brake Engine manufacturer/type Engine output, in accordance with ISO 1585 Governed speed	% kW rpm	34,1 Hydi Cum 5 2 (	20,2 raulic mins 58 050	30,6 Hydr GM 7 2 4	18,2 raulic 4.3L 7 100	30,7 Hydr Cum 5 2 0	aulic mins 8 050	Hydr GM 7 2 4	aulic 4.3L 7 00	5.10 7.1 7.2 7.3
5.8 5.10 7.1 7.2 7.3 7.4	Gradeability with/without load @ 1,6 km/h † Maximum gradeability with/without load † Service brake Engine manufacturer/type Engine output, in accordance with ISO 1585 Governed speed Number of cylinders/displacements	% kW rpm cm <sup>3</sup>	34,1 Hydi Cum 5 2 ( 4	20,2 raulic mins 58 050 4 500	30,6 Hydr GM 7 2 4 6	18,2 raulic 4.3L 7 400 4 302	30,7 Hydr Cum 5 2 ( 4	aulic mins 8 150 4 500	Hydr GM 7 2 4 6	aulic 4.3L 7 100 4 302	5.10 7.1 7.2 7.3 7.4
5.8 5.10 7.1 7.2 7.3	Gradeability with/without load @ 1,6 km/h † Maximum gradeability with/without load † Service brake Engine manufacturer/type Engine output, in accordance with ISO 1585 Governed speed	% kW rpm	34,1 Hydi Cum 5 2 ( 4	20,2 raulic mins 58 050	30,6 Hydr GM 7 2 4 6	18,2 raulic 4.3L 7 100	30,7 Hydr Cum 5 2 0	aulic mins 8 150 4 500	Hydr GM 7 2 4	aulic 4.3L 7 100 4 302	5.10 7.1 7.2 7.3
5.8 5.10 7.1 7.2 7.3 7.4 7.5	Gradeability with/without load @ 1,6 km/h † Maximum gradeability with/without load † Service brake Engine manufacturer/type Engine output, in accordance with ISO 1585 Governed speed Number of cylinders/displacements Fuel Consumption per VDI test cycle	% kW rpm cm <sup>3</sup>	34,1 Hydr Cum 5 2 ( 4 6,	20,2 raulic mins 58 050 4 500 06	30,6 Hydr GM 7 2 2 6 13	18,2           aulic           4.3L           7           100           4 302           3,0	30,7 Hydr Cum 5 2 ( 4 6,	aulic mins 8 50 4 500 06	Hydr GM 7 2 2 6 13	aulic 4.3L 7 100 4 302 1,0	5.10 7.1 7.2 7.3 7.4 7.5
5.8 5.10 7.1 7.2 7.3 7.4 7.5 8.1	Gradeability with/without load @ 1,6 km/h † Maximum gradeability with/without load † Service brake Engine manufacturer/type Engine output, in accordance with ISO 1585 Governed speed Number of cylinders/displacements Fuel Consumption per VDI test cycle Drive control	% KW rpm cm <sup>3</sup> I/hr	34,1 Hydi	20,2 raulic minins 58 050 4 500 06 matic	30,6 Hydr GM 7 2 4 6 13 Auto	18,2 aulic 4.3L 7 400 4 302 3,0 matic	30,7 Hydr Cum 5 2 ( 4 6, Auto	aulic mins 8 050 4 500 06 matic	Hydr GM 7 2 4 6 13 Auto	aulic 4.3L 7 100 4 302 1,0 matic	5.10 7.1 7.2 7.3 7.4 7.5 8.1
5.8 5.10 7.1 7.2 7.3 7.4 7.5 8.1 8.2	Gradeability with/without load @ 1,6 km/h † Maximum gradeability with/without load † Service brake Engine manufacturer/type Engine output, in accordance with ISO 1585 Governed speed Number of cylinders/displacements Fuel Consumption per VDI test cycle Drive control Working pressure for attachments	% KW rpm cm <sup>3</sup> L/hr bar	34,1 Hydi Cum 2 ( 4 6, Auto	20,2 raulic minins 58 050 4 500 06 matic 55	30,6 Hydr GM 7 2 4 6 13 4 4 4 4 4 11 11 11	18,2           aulic           4.3L           7           600           4 302           3,0           matic           55	30,7 Hydr Cum 5 2 ( 4 6, 	aulic mins 8 950 4 500 06 matic 55	Hydr GM 7 2 4 6 13 4 4 4 4 11 11 11	aulic 4.3L 7 00 4 302 4,0 1,0 matic 55	5.10 7.1 7.2 7.3 7.4 7.5 8.1 8.2
5.8 5.10 7.1 7.2 7.3 7.4 7.5 8.1 8.2	Gradeability with/without load @ 1,6 km/h † Maximum gradeability with/without load † Service brake Engine manufacturer/type Engine output, in accordance with ISO 1585 Governed speed Number of cylinders/displacements Fuel Consumption per VDI test cycle Drive control Working pressure for attachments Oil flow for attachments ¤	% KW rpm cm <sup>3</sup> L/hr bar L/min	34,1 Hydi Cum 5 2 ( 4 6, Auto 1 8%	20,2 raulic 58 050 4 500 06 matic 55 3,3	30,6 Hydr GM 7 2 4 6 13 4 14 14 14 14 14 14 14 14 14 14 14 14 1	18,2           aulic           4.3L           7           100           4 302           3,0           matic           55           3,3	30,7 Hydr Cum 5 2 ( 4 6, 6, Auto 11 83	aulic mins 8 550 4 500 06 matic 55 3,3	Hydr GM 7 2 4 6 13 4 4 4 4 4 4 8 5 8 5 8 5	aulic 4.3L 7 000 4 302 0,0 matic 55 55	5.10 7.1 7.2 7.3 7.4 7.5 8.1 8.2
5.8 5.10 7.1 7.2 7.3 7.4 7.5 8.1 8.2	Gradeability with/without load @ 1,6 km/h † Maximum gradeability with/without load † Service brake Engine manufacturer/type Engine output, in accordance with ISO 1585 Governed speed Number of cylinders/displacements Fuel Consumption per VDI test cycle Drive control Working pressure for attachments Oil flow for attachments ¤ Average noise level at operator's ear (Lpaz) ◇	% kW rpm cm <sup>3</sup> l/hr bar l/min dB (A)	34,1 Hydr E Cum 5 2 ( 4 4 Auto 1 8 8 8 8	20,2 raulic mins 88 050 4 500 06 matic 55 3,3 34	30,6 Hydr GM 7 2 4 6 13 4 4 0 11 13 83 8 8 8 8 8 8	18,2           aulic           4.3L           7           400           4 302           3,0   matic           55           3,3           2	30,7 Hydr Cum 5 2 C 4 6, 6 4 6, 1! 83 88 8 8	aulic mins 8 550 6 6 55 3,3 4	Hydr GM 7 2 2 6 13 13 14 14 14 14 14 14 18 3 8 8 8 8 8	aulic 4.3L 7 000 4.302 4.302 0,0 matic 55 5,3 2	5.10 7.1 7.2 7.3 7.4 7.5 8.1 8.2
5.8 5.10 7.1 7.2 7.3 7.4 7.5 8.1 8.2	Gradeability with/without load @ 1,6 km/h † Maximum gradeability with/without load † Service brake Engine manufacturer/type Engine output, in accordance with ISO 1585 Governed speed Number of cylinders/displacements Fuel Consumption per VDI test cycle Drive control Working pressure for attachments Oil flow for attachments ¤	% KW rpm cm <sup>3</sup> L/hr bar L/min	34,1 Hydi E Cum 5 2 ( 4 4 Auto 1 1 88 8 8 8 1	20,2 raulic 58 050 4 500 06 matic 55 3,3	30,6 Hydr GM 7 2 2 6 15 Auto 11 8 8 8 8 11	18,2           aulic           4.3L           7           100           4 302           3,0           matic           55           3,3	30,7 Hydr Cum 5 2 ( 4 6, 6, Auto 11 83	aulic mins 8 550 4 500 06 matic 55 3,3 4 4 07	Hydr GM 7 2 4 6 13 4 4 4 4 4 4 8 5 8 5 8 5	aulic 4.3L 7 00 4 302 0,0 matic 55 5 5 5 2 2	5.10 7.1 7.2 7.3 7.4 7.5 8.1 8.2

## Equipment and weight:

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

Complete truck with 3 400 mm 2-stage limited free lift mast, 1 980 mm carriage, 1 200 mm forks, e-hydraulics, overhead guard and standard pneumatic drive and steer tyres.

## Fortens Advance H6.0FT, H7.0FT

			HYS	STER	HYS	TER	HYS	TER	HYS	TER	
1.1	Manufacturer Model designation		LIC	.0FT	H6.	OFT	H7.	OFT	H7.	OFT	1.1
1.2	Model designation Model - Manufacturer designation		-	ns Adv		ns Adv	-	is Adv		is Adv	1.2
	Model - Manufacturer designation			ins 4.5L		4.3L		ns 4.5L		4.3L	
	Engine / transmission			natch3		natch3		natch3		natch3	1.3
	Brake type		Wet	Brakes	Wet E	Brakes	Wet E	Brakes	Wet E	Brakes	
1.3	Power: battery, diesel, LPG, electric mains			ese		PG		ese		PG	1.3
1.4	Operation: manual, pedestrian, stand, seat, orderpicker		S	eat	Se	eat	Se	eat	Se	eat	1.4
1.5	Load capacity	Q (kg)	6	000	6 (	000	7 (	000	7 (	000	1.5
1.6	Load centre	c (mm)	6	00	6	00	6	00	6	00	1.6
1.7	Load distance	x (mm)	6	01	6	01	6	01	6	01	1.7
1.8	Wheelbase	y (mm)	2	235	2 2	235	2 2	235	2 2	235	1.8
2.1	Unladen weight	kg	9	126	9 (	033	96	540	9 5	547	2.1
2.2	Axle loading with load, front/rear	kg	13 784	1 373	13 784	1 373	15 047	1 530	15 047	1 530	2.1 2.2 2.3
2.3	Axle loading without load, front/rear	kg	4 350	4 684	4 350	4 684	4 215	5 332	4 215	5 332	2.3
									_		
3.1	Tyres: L=pneumatic, V=solid, SE=pneumatic-shaped solid			L		L		L		L	3.1
3.2	Tyre size, front		8.25 x	15 14PR	8.25 x1	15 14PR	8.25 x1	5 14PR	8.25 x1	5 14PR	3.2 3.3
3.3	Tyre size, rear			15 14PR		5 14PR		5 14PR	8.25 x1	5 14PR	
3.5	Number of wheels, front/rear (X = driven)		4X	2	4X	2	4X	2	4X	2	3.5
3.6	Track width, front	b <sub>10</sub> (mm)		846		846		346		346	3.6
3.7	Track width, rear	b <sub>11</sub> (mm)	1	535	15	535	1 {	535	1 5	535	3.7
4.1	Mast tilt, $\alpha$ = forward/ $\beta$ = back	degrees	5	10	5	10	5	10	5	10	4.1
4.2	Height of mast, lowered	h <sub>1</sub> (mm)		740		740		740		740	4.2
4.3	Free lift ¶	h <sub>2</sub> (mm)		00		00		00		00	4.3
4.4	Lift height ¶	h <sub>3</sub> (mm)		340		340	3 3			340	4.4
4.5	Height of mast, extended +	h <sub>4</sub> (mm)		530		530		530		530	4.5
4.7	Overhead guard height	h <sub>6</sub> (mm)		531	2 5		2 5		2 5		4.7
4.8	Seat height O	h <sub>7</sub> (mm)		540		540	1 {			540	4.8
4.12	Towing coupling height	h <sub>10</sub> (mm)	4	74		74	4	74	4	74	4.12
4.19	Overall length	I <sub>1</sub> (mm)	4	805	4 8	805	4 8	369	4 8	369	4.19
4.20	Length to face of forks	I <sub>2</sub> (mm)	3	605	3 6	605	3 6	669	36	69	4.20
4.21	Overall width - dual-drive wheels	b <sub>1</sub> (mm)	2	082	2 (	082	2 (	)82	2 (	)82	4.21
4.22	Fork dimensions	s/e/l (mm)	60 1	50 1 200	60 1	50 1 200	60 1	50 1 200	60 1	50 1 200	4.22
4.23	Fork carriage DIN 15173. Class, A/B		IV	/ A	١٧	/ A	١١	Υ A	١٧	' A	4.23
4.24	Fork carriage width	b <sub>3</sub> (mm)	1:	980	19	980	19	980	19	980	4.24
4.31	Ground clearance under mast, with load	m <sub>1</sub> (mm)	1	25	1:	25	1:	25	1:	25	4.31
4.32	Ground clearance, centre of wheelbase	m <sub>2</sub> (mm)	2	53	2	53	2	53	2	53	4.32
4.33	Aisle width with pallets 1 000 mm x 1 200 mm wide 🔶	Ast (mm)	5	163	5 -	163	5 2	231	5 2	231	4.33
4.34	Aisle width with pallets 800 mm x 1 200 mm long 🔶	Ast (mm)	5	329	53	329	5 (	397	5 3	397	4.34
4.35	Outer turning radius	W <sub>a</sub> (mm)		320		320	3 0			388	4.35
4.36	Inner turning radius	b <sub>13</sub> (mm)	2	30	2	30	2	30	2	30	4.36
5.1	Travel speed with/without load	km/h	22,2	22,8	24,8	25,4	22,2	22,8	24,8	25,4	5.1
5.2	Lifting speed with/without load (2LFL )	m/sec	0,49	0,50	0,53	0,54	0,45	0,46	0,53	0,54	5.2
5.3	Lowering speed with/without load (2LFL )	m/sec	0,58	0,43	0,58	0,43	0,58	0,43	0,58	0,43	5.3
5.5	Drawbar pull with/without load @ 1,6 km/h	N	44 500	27 354	44 500	27 109	44 500	26 620	44 500	26 397	5.5
5.6	Maximum drawbar pull with/without load	N	44 500	27 354	44 500	27 109	44 500	26 620	44 500	26 397	5.6
5.7	Gradeability with/without load @ 1,6 km/h †	%	32,0	20,3	31,5	18,0	29,1	16,0	29,0	16,0	5.7
5.8	Maximum gradeability with/without load †	%	32,0	20,3	31,5	18,0	29,1	16,0	29,0	16,0	5.8
5.10	Service brake		Hyd	raulic	Hydi	raulic	Hydi	aulic	Hydr	aulic	5.10
											<b></b>
7.1	Engine manufacturer/type			nmins		4.3L		mins	GM		7.1
7.2	Engine output, in accordance with ISO 1585	kW		58		77		18		7	7.2
7.3	Governed speed	rpm		050		400		150		100	7.3
7.4	Number of cylinders/displacements	cm <sup>3</sup>	4	4 500	6	4 302	4	4 500	6	4 302	7.4
	Fuel Consumption per VDI test cycle	l/hr	6,	,06	10	3,0	6,	06	18	3,0	7.5
7.5											
			· ·			matic	<ul> <li>Auto</li> </ul>	matic	Auto	matic	8.1
8.1	Drive control			matic							
8.1 8.2	Working pressure for attachments	bar	1	55	1:	55	1	55	1	55	8.2
8.1 8.2 8.3	Working pressure for attachments Oil flow for attachments ¤	I/min	1	55 3,3	1:	55 3,3	1:	55 3,3	11	55 3,3	8.3
8.1 8.2	Working pressure for attachments Oil flow for attachments ¤ Average noise level at operator's ear (Lpaz) ◇	l/min dB (A)	1 8: 8:	55 3,3 34	1: 83 8	55 3,3 32	1! 83 8	55 3,3 14	1! 83 8	55 3,3 2	
8.1 8.2 8.3	Working pressure for attachments Oil flow for attachments ¤	I/min	1 8: 8: 1	55 3,3	1: 83 81 11	55 3,3	1: 83 81 11	55 3,3	1: 83 8 11	55 3,3	8.3

Specification Data is based on VDI 2198

## Equipment and weight:

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

Complete truck with 3 400 mm 2-stage limited free lift mast, 1 980 mm carriage, 1 200 mm forks, e-hydraulics, overhead guard and standard pneumatic drive and steer tyres.

# 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.

		Ma	asts H6.0-7.0	FT	
	Maximum fork height (mm)	Back tilt	Overall Iowered height (mm)	Overall extended height (mm)	Free lift (top of forks) (mm)
2-Stage limited free lift	3 000 3 400 4 400 5 400 6 000	10° 10° 10° 10°	2 540 2 740 3 240 3 740 4 165	4 354 <b>*</b> 4 754 <b>*</b> 5 754 <b>*</b> 6 754 <b>*</b> 7 354 <b>*</b>	160 160 160 160 160
3-Stage full free lift	4 700 5 600 6 200	6° 6° 6°	2 570 2 870 3 120	6 054 <b>*</b> 6 954 <b>*</b> 7 554 <b>*</b>	1 440

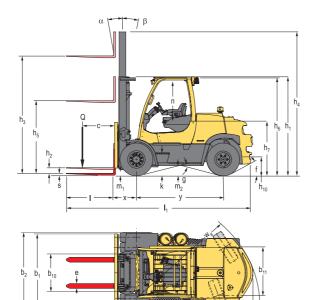
### H6.0-7.0FT - Capacity chart in kg @ 600 mm load centre

				All tyres			
	Maximum fork height	With Carr	iage Only	With Carriag	e + Sideshift		+ Sideshifting sitioner
	(mm)	H6.0FT	H7.0FT	H6.0FT	H7.0FT	H6.0FT	H7.0FT
z-siage limited free lift	3 000 3 400 4 400 5 400 6 000	6 000 6 000 6 000 6 000 5 810	7 000 7 000 7 000 7 000 6 800	5 760 5 750 5 700 5 670 5 480	6 710 6 700 6 650 6 620 6 410	5 690 5 680 5 630 5 600 5 410	6 630 6 620 6 570 6 540 6 340
3-stage full free lift	4 700 5 600 6 200	6 000 5 910 5 720	7 000 6 900 6 700	5 560 5 450 5 260	6 480 6 360 6 150	5 490 5 380 5 190	6 400 6 290 6 080



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)

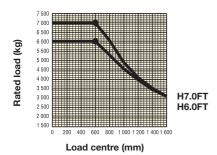
a = Minimum operating clearance

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

I<sub>6</sub> = Load length

Model		H6.0FT	H7.0FT	
	f	51%	46%	Τ
	Dimensions (mm)	50%	50%	-
	Dimensions (mm) k	321	321	1
	n (OHG) €	1 062	1 062	
	n (Cab)	1 045	1 045	

#### Rated capacities



#### Load centre

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

Rated load

Based on vertical masts up to 5 400 mm.

#### NOTE:

Specifications are affected by the condition of the vehicle and how it is equipped, as well as the nature and condition of the operating area. If these specifications are critical, the proposed application should be discussed with your dealer.

- ¶ Bottom of forks
- + Without load backrest
- h<sub>6</sub> subject to +/- 5 mm tolerance
   2 549 mm for Cab option
- O Full suspension seat in depressed position
- Add 32 mm with load backrest
- Stacking aisle width (lines 4.33 & 4.34) is 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 truck.
- † Gradeability figures (lines 5.7 & 5.8) are provided for comparison of tractive performance, but are not intended to endorse the operation of the vehicle on the stated inclines. Follow instructions in the operating manual regarding operation on inclines.
- ¤ Variable
- Measured according to the test cycles and based on the weighting values contained in EN12053
- Consult your Hyster lift truck dealerMast tables:
- Deduct 224 mm without load backrest
- ▽ Deduct 224 mm with load backrest

#### Notice

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

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

CE safety: This truck conforms to the current EU requirements.

## **Product Packages**

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

The H6.0-7.0FT Series is available in several truck packages, with multiple powertrain combinations to choose from, to best match operational demands. Each configuration offers improved efficiency, advanced dependability, lower cost of ownership and simple serviceability.

Model / Bundle	H6.0FT			H7.0FT		
DIESEL	Engine	Transmission	Brakes	Engine	Transmission	Brakes
Fortens	Cummins 4.5L	Powershift Transmission	Wet	Cummins 4.5L	Powershift Transmission	Wet
		2 speed			2 speed	
Fortens Advance	Cummins 4.5L	DuraMatch™ Electronic	Wet	Cummins 4.5L	DuraMatch™ Electronic	Wet
		3 speed			3 speed	
		J Speeu				
Model / Bundle	H6.0FT	3 speed		H7.0FT		
	H6.0FT Engine	Transmission	Brakes	H7.0FT Engine	Transmission	Brakes
LPG			Brakes Wet			Brakes Wet
Model / Bundle LPG Fortens	Engine	Transmission		Engine	Transmission	
LPG	Engine	Transmission Powershift Transmission		Engine	Transmission Powershift Transmission	



## **Product Features**

The Standard Fortens model features a 2-speed (2F/2R) Electronic Powershift Transmission, with an optionally available **Soft Shift Power Reversal** function for handling delicate loads, which inhibits direction changes at speeds of over 3.5km/h.

The Fortens Advance models feature the electronically controlled 3-speed (3F/2R) **DuraMatch™ 3 transmission,** providing:

- Auto Deceleration System (ADS) automatically slows the truck when the accelerator pedal is released, and finally brings the truck to a stop, which helps to significantly extend brake life. In addition, this feature assists the driver to accurately position the truck in front of a load. There are 10 ADS settings, programmable via the dash display by a service technician, which deliver different braking characteristics, from very gradual to aggressive, to suit the needs of the application.
- Controlled Power Reversal; the Pacesetter VSM<sup>TM</sup> 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 & Third Gears (where available) provide maximum engine efficiency in applications where longer travel distances are common.

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

The standard Oil-immersed brakes offer reduced maintenance & repair time and costs, which results in extended truck dependability and uptime. These trucks are ideally suited to applications in wet, dirty or corrosive environments, and ensure consistent braking performance over the lifetime of the truck. This is thanks to the sealed unit that houses and protects the brakes, so preventing contaminants and damage. 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 operator compartment features conveniently positioned hand-grips and three non-slip steps, with an initial step height of just **32.1 cm**. The isolated operator compartment minimises the effect of powertrain vibration
- The adjustable armrest that accompanies the E-hydraulic TouchPoint<sup>™</sup> mini-levers moves with the seat and telescopes forward.
- The Rear grab handle with horn button facilitates reverse driving.
- An infinitely adjustable steering column, 30 cm diameter steering wheel with spinner knob and full-suspension seat enhance driver comfort.

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

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







# Strong Partners, Tough Trucks, for Demanding Operations Everywhere.

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

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

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

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



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