



STRONG PARTNERS. TOUGH TRUCKS.

# IC Counterbalanced Lift Trucks S6.0-7.0FT Fortens / Fortens Advance

6 000 – 7 000 kg



## Fortens S6.0FT, S7.0FT

			цца	TER	<b>UU</b>	5TER	ши	STER	ши	TER	
1.1	Manufacturer				in Sich		moren		msich		1.1
1.2	Model designation		S6.	0FT	S6.0FT		S7.0FT		S7.	.0FT	1.2
ş	Model - Manufacturer designation		For	tens	For	tens	Fortens		Fortens		<u>_</u>
STIC	Engine / transmission		Cummins 4.5L 2-			eed Powershift	Cummins 4.5L 2-Speed Powershift		GM 4.3L 2-speed Powershift		I AR
CHARACTERISTICS	Brake type		Wet E			Brakes	Wet Brakes		Wet Brakes		1.3 1.4 1.4
1.3	Power: battery, diesel, LPG, electric mains		Die			PG	Diesel		LPG		1.3
1.4	Operation: manual, pedestrian, stand, seat, orderpicker		Se			eat	Seat		Seat 7 000		1.4 ICS
1.5	Load capacity	Q (kg)	6 0			000	-	000			1.5
1.6 1.7	Load centre Load distance (load face)	c (mm) x (mm)	50			00	-	00	600 500		1.6 1.7
1.8	Wheelbase	y (mm)	1.8			830		830	1 830		1.8
1.0	mousuoo	<b>7</b> (1111)									
<b>≌</b> 2.1	Unladen weight	kg	88	803	8	712	9	317	9:	226	2.1 ≤
.H9 2.2	Axle loading with load, front/rear	kg	13 432	1 403	13 432	1 403	14 696	1 560	14 696	1 560	2.1 WEIGHTS 2.3 Z.3
<b>2.</b> 3	Axle loading without load, front/rear	kg	3 998	4 714	3 998	4 714	3 863	5 362	3 863	5 362	2.3 TS
					-						
<mark>ہ</mark> 3.1	Tyres: L=pneumatic, V=solid, SE=pneumatic-shaped solid			/		V		V		V	3.1
3.2	Tyre size, front		28 x 1			12 x 22		2 x 22		12 x 22	3.2 VHEE
3.3	Tyre size, rear			3 x 16		8 x 16	-	8 x 16		8 x 16	3.3
3.2 3.3 3.5 3.6	Number of wheels, front/rear (X = driven)	h (1999)	2X	2	2X	2	2X	2	2X	2	3.2 3.3 3.5 3.6 9.7
3.6 3.7	Track width, front	b <sub>10</sub> (mm) b <sub>11</sub> (mm)		33 92		133 192		133 192		133 192	3.6 RES 3.7
3.1	Track width, rear	D <sub>11</sub> (mm)		74	1	192	1	172	1	172	3.1
4.1	Mast tilt, $\alpha$ = forward/ $\beta$ = back	degrees	6	10	6	10	6	10	6	10	4.1
4.2	Height of mast, lowered	h <sub>1</sub> (mm)	26			697		697		697	4.2
4.3	Free lift ¶	h <sub>2</sub> (mm)	10			00	-	00		00	4.3
4.4	Lift height ¶	h <sub>3</sub> (mm)	3 340		3 340		3 340		3	340	4.4
4.5	Height of mast, extended +	h <sub>4</sub> (mm)	4 575		4 575		4 575		4 575		4.5
4.7	Overhead guard height	h <sub>6</sub> (mm)	2 302		2 302		2 302		2 302		4.7
4.8	Seat height O	h <sub>7</sub> (mm)	1 231 1		1 231 1 231		1 231		4.8		
4.12	Towing coupling height	h <sub>10</sub> (mm)	388 388		88	388			88	4.12	
<b>Sec</b> 4.19	Overall length	I <sub>1</sub> (mm)	4 130		4 130		4 130		4 130		4.19
4.20	Length to face of forks	I <sub>2</sub> (mm)	2 9		2 930		2 930		2 930 1 438		4.19 DIMENSIONS 4.21 4.22
4.21	Overall width, standard/dual	b <sub>1</sub> (mm)		38		438	1 438 200 60 150 1 200				4.21
1 Harden	Fork dimensions	s/e/l (mm)	60 15			50 1 200				50 1 200	116.6
4.23 4.24	Fork carriage DIN 15173. Class, A/B	b <sub>3</sub> (mm)	12			/ A 219		/ A 219		/ A 219	4.23 4.24
4.24	Fork carriage width ● Ground clearance under mast, with load	m <sub>1</sub> (mm)	12			13		13		13	4.24
4.32	Ground clearance under mast, with load	m <sub>2</sub> (mm)	18			88	-	88		88	4.32
4.33	Aisle width with pallets 1 000 mm x 1 200 mm wide ◆	Ast (mm)	43			364		364		364	4.33
4.34	Aisle width with pa∎ets 800 mm x 1 200 mm long ◆	Ast (mm)	4 5	510	4 :	510	4	510	4 :	510	4.34
4.35	Outer turning radius	W <sub>a</sub> (mm)	2 5	585	2	585	2 585		2	585	4.35
4.36	Inner turning radius	b <sub>13</sub> (mm)	1(	08	1	08	108		108		4.36
5.1	Travel speed with/without load	km/h	20,7	20,0	20,5	19,8	20,7	20,0	20,5	19,8	5.1
5.2	Lifting speed with/without load (2-stage limited free lift)	m/sec	0,49	0,53	0,53	0,53	0,45	0,53	0,53	0,53	5.2
5.3 5.5	Lowering speed with/without load (2-stage limited free lift) Drawbar pull with/without load @ 1,6 km/h	m/sec N	0,56 35 900	0,43 20 100	0,56 39 500	0,43 20 100	0,56 35 600	0,43 19 200	0,56 39 200	0,43 19 200	5.3 5.5
5.5 5.6	Drawbar pull with/without load @ 1,6 km/h Maximum drawbar pull with/without load	N	47 100	20 100	48 300	20 100	46 900	19 200	39 200 48 100	19 200	5.5 5.6
5.0 5.7	Gradeability with/without load @ 4,8 km/h †	%	15,8	20100	40 300	20100	40 500	21,6	48 100	21,6	5.7 ANCE
5.8	Maximum gradeability with/without load @ 4,0 km/h †	%	25,3	24,0	28,1	24,0	22,9	21,6	25,3	21,6	5.8
5.10	Service brake		Hydr			raulic		raulic		raulic	5.10
7.1	Engine manufacturer/type		Cum	mins	GM	4.3L	Cum	nmins	GM	4.3L	7.1
7.2 7.3	Engine output, in accordance with ISO 1585	kW	5	8	1	77	ŧ	58	1	77	7.2 ENGINE
	Governed speed	rpm	2 050		2 400			050		400	
7.4	Number of cylinders/displacements	cm <sup>3</sup>	4	4 500	6	4 302	4	4 500	6	4 302	7.4
			L								
8.1	Drive control	bar		matic	Automatic 153		Automatic			matic	8.1
8.2 <b>6</b> 8.3	Working pressure for attachments (nominal relief pressure) Oil flow for attachments (nominal) ¤	Dar I/min	1:	3,3		53 3,3	153			53 3,3	8.2 8.3 9
8.3 8.4	Average noise level at operator's ear (Lpaz)	dB (A)		3		3,3 35	83,3 83			3,3 35	8.3 OTHER 8.4
0.4	Guaranteed sound power 2001/14/EC (Lwaz)	dB (A)		.5 )8		09	83			09	0.7
8.5	Towing coupling type			in		Pin		Pin		Pin	8.5
	0 / 10 VP		<u> </u>								

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, standard carriage, 1 200 mm forks, e-hydraulics, overhead guard and standard cushion drive and steer tyres.

# Fortens Advance S6.0FT, S7.0FT

			HYS	STER	HYS	STER	HYS	TER	HYS	TER	
1.1	Manufacturer			057	OC OFT		07.057		07	057	1.1
1.2	Model designation		S6.0FT Fortens Advance		S6.0FT Fortens Advance		S7.0FT Fortens Advance			0FT	1.2
<u>ട്ട</u>	Model - Manufacturer designation								Fortens Advance		-
	Engine / transmission			L DuraMatch3		OuraMatch3	Cummins 4.5L DuraMatch3		GM 4.3L DuraMatch3		ARA RA
CHARACTERISTICS	Brake type			Brakes		Brakes	Wet Brakes		Wet Brakes		1.3 1.4 1.5
1.3	Power: battery, diesel, LPG, electric mains		Die			PG	Diesel		LPG		1.3
1.4	Operation: manual, pedestrian, stand, seat, orderpicker		Se			eat	Seat		Seat		1.4
1.5	Load capacity	Q (kg)	6 000 6 000		7(		7 000		1.5		
1.6	Load centre	c (mm)	60			00	6			00	1.6
1.7	Load distance (load face)	x (mm)	50			00	5			00	1.7
1.8	Wheelbase	y (mm)	18	330	18	330	18	330	18	330	1.8
											_
2.1	Unladen weight	kg	88			712	93			226	2.1
<b>5</b> 2.2	Axle loading with load, front/rear	kg	13 432	1 403	13 432	1 403	14 696	1 560	14 696	1 560	2.1 WE GH S
≥ 2.3	Axle loading without load, front/rear	kg	3 998	4 714	3 998	4 714	3 863	5 362	3 863	5 362	2.3
								î			
<mark>91 3.1</mark>	Tyres: L=pneumatic, V=solid, SE=pneumatic-shaped solid		\\			V	-	/		V	3.1
3.2 3.3 3.5 3.6	Tyre size, front			2 x 22		2 x 22		2 x 22		2 x 22	3.2 3.3
3.3	Tyre size, rear		-	8 x 16		8 x 16		3 x 16		8 x 16	
3.5	Number of wheels, front/rear (X = driven)		2X	2	2X	2	2X	2	2X	2	0.5
3.6	Track width, front	b <sub>10</sub> (mm)	11	133	1	133	1.	33	1.	133	3.5 3.6 3.7
3.7	Track width, rear	b <sub>11</sub> (mm)	11	192	1	192	1.	192	1 '	192	3.7
4.1	Mast tilt, $\alpha$ = forward/ $\beta$ = back	degrees	6	10	6	10	6	10	6	10	4.1
4.2	Height of mast, lowered	h <sub>1</sub> (mm)	26	697	20	697	26	697	26	597	4.2
4.3	Free lift ¶	h <sub>2</sub> (mm)	10	00	1	00	1	00	1	00	4.3
4.4	Lift height ¶	h <sub>3</sub> (mm)	3 340		3 340		3 340		3 340		4.4
4.5	Height of mast, extended +	h <sub>4</sub> (mm)	4 5	575	4 :	575			4 5	575	4.5
4.7	Overhead guard height	h <sub>6</sub> (mm)	2 302 2 302		2 302		2 302		4.7		
4.8	Seat height O	h <sub>7</sub> (mm)	1 231		1 231		1 231		1 231		4.8
4.12	Towing coupling height	h <sub>10</sub> (mm)	388		388		388		388		4.12
4.19	Overall length	I <sub>1</sub> (mm)	4 130 4 130			4 130		4 130		4.19	
4.19	Length to face of forks	I <sub>2</sub> (mm)	2 930		2 930		29			930	4.19
4.20 4.21	Overall width, standard/dual	b <sub>1</sub> (mm)		138	1 438		1 438		1 438		4.20
4.21 4.21 4.22	Fork dimensions	s/e/I (mm)				50 1 200		50 1 200		50 1 200	4.21 ONS
1166		5/6/1 (11111)									
4.23	Fork carriage DIN 15173. Class, A/B	h (mm)	IV A 1 219			/ A	12		IV.		4.23
4.24	Fork carriage width ●	b <sub>3</sub> (mm)				219				219	4.24
4.31	Ground clearance under mast, with load	m <sub>1</sub> (mm)	1			13		13		13	4.31
4.32	Ground clearance, centre of wheelbase	m <sub>2</sub> (mm)	18			88	-	38		88	4.32
4.33	Aisle width with pallets 1 000 mm x 1 200 mm wide ◆	Ast (mm)	43			364	4 :			364	4.33
4.34	Aisle width with pallets 800 mm x 1 200 mm long ◆	Ast (mm)	4 5			510	4 5			510	4.34
4.35	Outer turning radius	W <sub>a</sub> (mm)	25			585	2 585 108			585	4.35
4.36	Inner turning radius	b <sub>13</sub> (mm)	10	08	1	08	1	JS	1	08	4.36
			00.0	00.0	0/ 0	00.0	00.0	00.0	04.0	00.0	
5.1	Travel speed with/without load	km/h	20,9	20,2	21,3	20,6	20,9	20,2	21,3	20,6	5.1
5.2	Lifting speed with/without load (2-stage limited free lift)	m/sec	0,49	0,53	0,53	0,53	0,45	0,53	0,53	0,53	5.2
5.3	Lowering speed with/without load (2-stage limited free lift)	m/sec	0,56	0,43	0,56	0,43	0,56	0,43	0,56	0,43	5.3 5.5
5.5	Drawbar pull with/without load @ 1,6 km/h	N	44 500	20 100	44 500	20 100	44 500	19 200	44 500	19 200	5.5 ÖR
<u>9</u> 5.6			44 500	20 100	44 500	20 100	44 500	19 200	44 500	19 200	5.6 A
<u> </u>	Maximum drawbar pull with/without load	N				24.0	15,7	21,6	16,0	21,6	5.7
<b>H</b> 5.7	Gradeability with/without load @ 4,8 km/h †	%	17,3	24,0	17,6	24,0					
5.7 5.8	Gradeability with/without load @ 4,8 km/h † Maximum gradeability with/without load @ 1,6 km/h †		17,3 32,0	24,0 24,0	32,0	24,0	29,1	21,6	29,1	21,6	5.8
<b>H</b> 5.7	Gradeability with/without load @ 4,8 km/h †	%	17,3 32,0	24,0	32,0		29,1	21,6 aulic	29,1	21,6 raulic	5.8 5.10
5.7 5.8 5.10	Gradeability with/without load @ 4,8 km/h † Maximum gradeability with/without load @ 1,6 km/h † Service brake	%	17,3 32,0 Hydr	24,0 24,0 raulic	32,0 Hyd	24,0 raulic	29,1 Hydi	aulic	29,1 Hydi	raulic	5.10
5.7 5.8 5.10 7.1	Gradeability with/without load @ 4,8 km/h † Maximum gradeability with/without load @ 1,6 km/h † Service brake Engine manufacturer/type	%	17,3 32,0 Hydr	24,0 24,0 raulic	32,0 Hyd GM	24,0 raulic 4.3L	29,1 Hydi Cum	raulic mins	29,1 Hydr	aulic 4.3L	5.10 7.1
5.7 5.8 5.10 7.1	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	% % KW	17,3 32,0 Hydr Cum	24,0 24,0 raulic imins i8	32,0 Hyd GM	24,0 raulic 4.3L 77	29,1 Hydi Cum 5	mins 8	29,1 Hydi GM 7	raulic 4.3L 7	5.10 7.1 7.2
5.7 5.8 5.10 7.1 7.2 7.3	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 Governed speed	% % kW rpm	17,3 32,0 Hydr Cum 5 2 0	24,0 24,0 raulic mins i8 050	32,0 Hyd GM 7 2 4	24,0 raulic 4.3L 77 400	29,1 Hydi Cum 5 2 (	raulic mins 18 150	29,1 Hydi GM 7 2 2	raulic 4.3L 7 400	5.10 7.1 7.2 7.3
5.7 5.8 5.10 7.1	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	% % KW	17,3 32,0 Hydr Cum	24,0 24,0 raulic imins i8	32,0 Hyd GM	24,0 raulic 4.3L 77	29,1 Hydi Cum 5	mins 8	29,1 Hydi GM 7	raulic 4.3L 7	5.10 7.1 7.2
5.7 5.8 5.10 7.1 7.2 7.3 7.4	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 Governed Speed Number of cylinders/displacements	% % kW rpm	17,3 32,0 Hydr Cum 5 2 C 4	24,0 24,0 raulic mins i8 050 4 500	32,0 Hyd GM 7 2 4 6	24,0 raulic 4.3L 4.3L 400 4.302	29,1 Hydi Cum 5 2 ( 4	aulic mins 8 050 4 500	29,1 Hydr GM 7 2 4 6	aulic 4.3L 7 400 4 302	5.10 7.1 7.2 7.3 7.4
5.7 5.8 5.10 7.1 7.2 7.3 7.4 8.1	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 Governed speed Number of cylinders/displacements Drive control	% % kW rpm cm <sup>3</sup>	17,3 32,0 Hydr 5 2 0 4	24,0 24,0 raulic mins i8 050 4 500 matic	32,0 Hyd GM 7 2 4 6 Auto	24,0 raulic 4.3L 4.3L 4.3U 4.30 4.302 matic	29,1 Hydi Cum 5 2 ( 4 Auto	aulic mins 8 050 4 500 matic	29,1 Hydr GM 7 2 4 6 Auto	aulic 4.3L 7 400 4 302 matic	5.10 7.1 7.2 7.3 7.4
5.7 5.8 5.10 7.1 7.2 7.3 7.4 8.1 8.2	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 Governed speed Number of cylinders/displacements Drive control Working pressure for attachments (nominal relief pressure)	% % kW rpm cm <sup>3</sup> bar	17,3 32,0 Hydr 5 2 Cum 5 2 C 4	24,0 24,0 mins 88 050 4 500 matic 53	32,0 Hyd GM 7 2 4 6 Xuto 1	24,0 raulic 4.3L 4.3L 4.3L 4.3U 4.302 4.302 matic 53	29,1 Hydi Cum 5 2 ( 4 Auto	aulic mins 8 150 4 500 matic 53	29,1 Hydr GM 7 2 2 6 Auto 1:	aulic 4.3L 7 400 4 302 matic 53	5.10 7.1 7.2 7.3 7.4 8.1 8.2
5.7 5.8 5.10 7.1 7.2 7.3 7.4 8.1 8.2	Gradeability with/without load @ 4,8 km/h †         Maximum gradeability with/without load @ 1,6 km/h †         Service brake         Engine manufacturer/lype         Engine output, in accordance with ISO 1585         Governed speed         Number of cylinders/displacements         Drive control         Working pressure for attachments (nominal relief pressure)         Oil flow for attachments (nominal) ¤	% % KW rpm cm <sup>3</sup> bar I/min	17,3 32,0 Hydr 5 2 Cum 4 Auto 11 83	24,0 24,0 mins 88 050 4 500 matic 53 3,3	32,0 Hyd GM 7 2 4 6 Auto 1 8	24,0 raulic 4.3L 77 400 4 302 matic 53 3,3	29,1 Hydi Curr 5 2 ( 4 Auto 1: 8	aulic mins 8 150 4 500 matic 53 3,3	29,1 Hydr GM 7 2 4 6 Auto 19 85	aulic 4.3L 7 400 4 302 matic 53 3,3	5.10 7.1 7.2 7.3 7.4 8.1 8.2 8.3
5.7 5.8 5.10 7.1 7.2 7.3 7.4 8.1 8.2	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 Governed speed Number of cylinders/displacements Drive control Working pressure for attachments (nominal relief pressure) OI flow for attachments (nominal) ¤ Average noise level at operator's ear (Lpaz) ◇	% % KW rpm cm <sup>3</sup> bar I/min dB (A)	17,3 32,0 Hydr Cum 5 2 ( 4 4 Auto 11 83 8 8	24,0 24,0 aulic imins is8 050 4 500 matic 53 3,3 13	32,0 Hyd GM 7 24 6 Auto 1 85 8 85	24,0 raulic 4,3L 7 7 400 4 302 matic 53 3,3 55	29,1 Hydi Cum 5 2 ( 4 Auto 1. 83 8 5 8	aulic mins 8 50 4 500 matic 53 3,3 3	29,1 Hydr GM 7 2 4 6 Auto 1: 85 85 8	aulic 4.3L 7 400 4 302 matic 53 3,3 55	5.10 7.1 7.2 7.3 7.4 8.1 8.2
5.7 5.8 5.10 7.1 7.2 7.3 7.4 8.1 8.2	Gradeability with/without load @ 4,8 km/h †         Maximum gradeability with/without load @ 1,6 km/h †         Service brake         Engine manufacturer/lype         Engine output, in accordance with ISO 1585         Governed speed         Number of cylinders/displacements         Drive control         Working pressure for attachments (nominal relief pressure)         Oil flow for attachments (nominal) ¤	% % KW rpm cm <sup>3</sup> bar I/min	17,3 32,0 Hydr Cum 5 2 C 4 Auto 11 83 8 8 8	24,0 24,0 mins 88 050 4 500 matic 53 3,3	32,0 Hyd GM 7 2 4 6 Auto 1 8 8 8 8 1	24,0 raulic 4.3L 77 400 4 302 matic 53 3,3	29,1 Hydi Cum 5 2 ( 4 Auto 1. 8% E 11	aulic mins 8 150 4 500 matic 53 3,3	29,1 Hydi GM 7 2 4 6 Auto 1: 83 8 8 5 8 11	aulic 4.3L 7 400 4 302 matic 53 3,3	5.10 7.1 7.2 7.3 7.4 8.1 8.2 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, standard carriage, 1 200 mm forks, e-hydraulics, overhead guard and standard cushion 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.

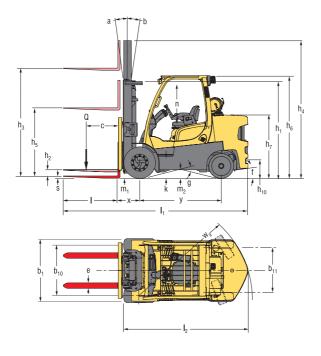
	Masts S6.0-7.0FT									
	Maximum fork height (mm)	Back tilt	Overa <b>li</b> Iowered height (mm)	Overa <b>li</b> extended height (mm)	Free lift (top of forks) (mm)					
2-Stage limited free lift	2 400 3 400 4 400	10° 10° 10°	2 197 2 697 3 197	3 632 <b>*</b> 4 632 <b>*</b> 5 632 <b>*</b>	160					
3-Stage full free lift	3 800 4 700 5 600 6 200	6° 6° 6°	2 227 2 527 2 827 3 077	5 026 <b>*</b> 5 926 <b>*</b> 6 826 <b>*</b> 7 426 <b>*</b>	995					

### S6.0-7.0FT - Capacity chart in kg @ 600 mm load centre

	Cushion tyres										
	Maximum	With standa	ard carriage	With carriag	e + sideshift	With carriage + sideshifting fork positioner					
	fork height (mm)	S6.0FT	S7.0FT	S6.0FT	S7.0FT	S6.0FT	S7.0FT				
2-Stage limited free lift	2 400 3 400 4 400	6 000 6 000 6 000	7 000 7 000 7 000	5 730 5 700 5 650	6 580 6 550 6 490	5 680 5 650 5 600	6 530 6 500 6 440				
3-Stage full free lift	3 800 4 700 5 600	6 000 6 000 5 800	7 000 7 000 6 740	5 630 5 600 5 390	6 430 6 400 6 190	5 570 5 550 5 340	6 380 6 350 6 140				

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

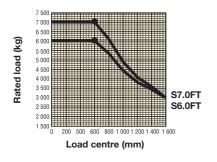
 $Ast = W_a + x + I_6 + a$  (see lines 4.33 & 4.34)

a = Minimum operating clearance

(V.D.I. standard = 200 mm BITA recommendation = 300 mm)  $I_6 = Load length$ 

Model		S6.0FT	S7.0FT
	f	42%	42%
Dimensions (mm)	g	24,9°	24,9°
Dimensions (mm)	k	531	531
	n	1 062	1 062

### Rated capacities



#### Load centre

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

Rated load

Based on vertical masts up to 4 700 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.

- Without load backrest
- h<sub>6</sub> subject to +/- 5 mm tolerance
- O Full suspension seat in depressed position
- ¶ Bottom of forks
- Add 32 mm with 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
- Consult your Hyster lift truck dealer

### Mast tables:

- With load backrest
- $\bigtriangledown$  Without 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 been designed to match the vast range of application requirements and business objectives that customers demand.

The S6.0-7.0FT 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	S6.0FT			S7.0FT				
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			
					•	·		
Model / Bundle	S6.0FT			\$7.0FT				
LPG	Engine	Transmission	Brakes	Engine	Transmission	Brakes		
Fortens	GM 4.3L V6	Powershift Transmission	Wet	GM 4.3L V6	Powershift Transmission	Wet		
		2-speed			2-speed			
Fortens Advance	GM 4.3L V6	DuraMatch™ Electronic	Wet	GM 4.3L V6	DuraMatch™ Electronic	Wet		
		3-speed			3-speed			

Please refer to the Price List for full option configurations.

## **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** (when available) provide maximum engine efficiency in applications where longer travel distances are common.

The transmissions are compatible with the combicooler 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 has an open non-slip step with a height of just 53,1 cm.
- The isolated drivetrain minimises the effect of powertrain vibration.
- The adjustable armrest that accompanies the TouchPoint<sup>™</sup> or TouchControl<sup>™</sup> 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 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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