



**FORTENS™**

**STRONG PARTNERS. TOUGH TRUCKS.**

**IC Counterbalanced Lift Trucks**  
**H4.0-5.5FT Fortens / Fortens Advance / Fortens Advance+**

4 000 – 5 500 kg



# Fortens H4.0FT, H4.5FT, H5.0FT, H5.5FT

CHARACTERISTICS	1.1	Manufacturer	
	1.2	Model designation	
		Model - Manufacturer designation	
		Engine / transmission	
		Brake type	
	1.3	Power: battery, diesel, LPG, electric mains	
	1.4	Operation: manual, pedestrian, stand, seat, orderpicker	
	1.5	Load capacity	Q (kg)
	1.6	Load centre	c (mm)
1.8	Load distance	x (mm)	
1.9	Wheelbase	y (mm)	

HYSTER		HYSTER		HYSTER		HYSTER		HYSTER	
H4.0FT5		H4.0FT5		H4.0FT6		H4.0FT6		H4.5FTS5	
Fortens		Fortens		Fortens		Fortens		Fortens	
Cummins 4.5L DuraMatch		GM 4.3L DuraMatch		Cummins 4.5L DuraMatch		GM 4.3L DuraMatch		Cummins 4.5L DuraMatch	
ADS Drum		ADS Drum		ADS Drum		ADS Drum		ADS Drum	
Diesel		LPG		Diesel		LPG		Diesel	
Seat		Seat		Seat		Seat		Seat	
4 000		4 000		4 000		4 000		4 500	
500		500		600		600		500	
522,1		522,1		522,1		522,1		522,1	
1 830		1 830		1 830		1 830		1 830	

WEIGHTS	2.1	Unladen weight	kg
	2.2	Axle loading with load, front/rear	kg
	2.3	Axle loading without load, front/rear	kg

6 158		6 033		6 243		6 243		6 493	
8 521	1 266	8 464	1 198	8 999	1 243	8 999	1 243	9 152	1 424
2 660	3 497	2 603	3 429	2 561	3 682	2 561	3 682	2 583	3 910

WHEELS & TYRES	3.1	Tyres: L=pneumatic, V=solid, SE=pneumatic-shaped solid	
	3.2	Tyre size, front	
	3.3	Tyre size, rear	
	3.5	Number of wheels, front/rear (X = driven)	
	3.6	Track width, front	b <sub>10</sub> (mm)
	3.7	Track width, rear	b <sub>11</sub> (mm)

SE		SE		SE		SE		SE	
250 x 15		250 x 15		250 x 15		250 x 15		250 x 15	
7,00 x 12		7,00 x 12		7,00 x 12		7,00 x 12		7,00 x 12	
2X	2	2X	2	2X	2	2X	2	2X	2
1 152		1 152		1 152		1 152		1 152	
1 136		1 136		1 136		1 136		1 136	

DIMENSIONS	4.1	Mast tilt, α = forward/β = back	degrees
	4.2	Height of mast, lowered	h <sub>1</sub> (mm)
	4.3	Free lift ↑	h <sub>2</sub> (mm)
	4.4	Lift height ↑	h <sub>3</sub> (mm)
	4.5	Height of mast, extended +	h <sub>4</sub> (mm)
	4.7	Overhead guard height ■	h <sub>6</sub> (mm)
	4.8	Seat height ○	h <sub>7</sub> (mm)
	4.12	Towing coupling height	h <sub>10</sub> (mm)
	4.19	Overall length	l <sub>1</sub> (mm)
	4.20	Length to face of forks	l <sub>2</sub> (mm)
	4.21	Overall width, standard/wide/dual drive	b <sub>1</sub> /b <sub>2</sub> (mm)
	4.22	Fork dimensions	s/e/l (mm)
	4.23	Fork carriage DIN 15173. Class, A/B	
	4.24	Fork carriage width ●	b <sub>3</sub> (mm)
	4.31	Ground clearance under mast, with load	m <sub>1</sub> (mm)
	4.32	Ground clearance, centre of wheelbase	m <sub>2</sub> (mm)
	4.33	Aisle width with pallets 1 000 mm x 1 200 mm wide ◆	Ast (mm)
	4.34	Aisle width with pallets 800 mm x 1 200 mm long ◆	Ast (mm)
4.35	Outer turning radius	W <sub>0</sub> (mm)	
4.36	Inner turning radius	b <sub>13</sub> (mm)	

6		10		6		10		6		10		6		10	
2 175		2 175		2 175		2 175		2 175		2 175		2 215		2 215	
100		100		100		100		100		100		100		100	
3 000		3 000		3 000		3 000		3 000		3 000		2 740		2 740	
3 815		3 815		3 815		3 815		3 815		3 815		3 730		3 730	
2 258		2 258		2 258		2 258		2 258		2 258		2 258		2 258	
1 159		1 159		1 159		1 159		1 159		1 159		1 159		1 159	
429		429		429		429		429		429		429		429	
3 945		3 945		4 176		4 176		4 176		4 176		4 197		4 197	
2 945		2 945		2 976		2 976		2 976		2 976		2 997		2 997	
1 402	1 485	1 773	1 402	1 485	1 773	1 402	1 485	1 773	1 402	1 485	1 773	1 402	1 485	1 773	
50	125	1 000	50	125	1 000	50	125	1 200	50	125	1 200	60	150	1 200	
III A			III A			III A			III A			IV A			
1 219		1 219		1 219		1 219		1 219		1 219		1 219		1 219	
151		151		150		150		150		150		194		194	
194		194		194		194		194		194		194		194	
4 388		4 388		4 417		4 417		4 417		4 417		4 437		4 437	
4 527		4 527		4 556		4 556		4 556		4 556		4 576		4 576	
2 570		2 570		2 599		2 599		2 599		2 599		2 619		2 619	
50		50		50		50		50		50		50		50	

PERFORMANCE	5.1	Travel speed with/without load	km/h
	5.2	Lifting speed with/without load	m/sec
	5.3	Lowering speed with/without load	m/sec
	5.5	Drawbar pull with/without load @ 1,6 km/h	N
	5.6	Maximum drawbar pull with/without load	N
	5.7	Gradeability with/without load @ 4,8 km/h †	%
	5.8	Maximum gradeability with/without load @ 1,6 km/h †	%
	5.10	Service brake	

19,6		20,4		18,7		19,5		19,6		20,4		19,6		20,4	
0,60		0,66		0,61		0,62		0,60		0,66		0,61		0,62	
0,55		0,47		0,55		0,47		0,55		0,47		0,55		0,47	
24 000		16 800		24 800		16 800		24 000		16 500		24 700		16 500	
27 100		16 800		27 600		16 800		27 000		16 500		27 500		16 500	
19,4		29,6		20,9		29,6		18,1		28,1		19,5		28,1	
26,2		29,6		27,1		29,6		24,5		28,1		25,4		28,1	
Hydraulic		Hydraulic		Hydraulic		Hydraulic		Hydraulic		Hydraulic		Hydraulic		Hydraulic	

ENGINE	7.1	Engine manufacturer/type	
	7.2	Engine output, in accordance with ISO 1585	kW
	7.3	Governed speed	rpm
	7.4	Number of cylinders/displacements	cm <sup>3</sup>

Cummins 4.5L		GM 4.3L		Cummins 4.5L		GM 4.3L		Cummins 4.5L	
58		77		58		77		58	
2 250		2 400		2 250		2 400		2 250	
4	4 516	6	4 302	4	4 516	6	4 302	4	4 516

OTHER	8.1	Drive control	
	8.2	Working pressure for attachments	bar
	8.3	Oil flow for attachments ⚡	l/min
	8.4	Average noise level at operator's ear no cab/cab (Lpaz) ◇	dB (A)
		Guaranteed sound power 2001/14/EC (Lwaz)	dB
8.5	Towing coupling type		

Automatic		Automatic		Automatic		Automatic		Automatic	
155		155		155		155		155	
83,3		83,3		83,3		83,3		83,3	
81	80	82	80	81	80	82	80	81	80
105		105		105		105		105	
Pin		Pin		Pin		Pin		Pin	

Specification Data is based on VDI 2198

## Equipment and weight:

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

Complete truck with 3 050 mm (H4.0FT), 2 800 mm (H4.5-5.5FT) 2-stage limited free lift mast, standard carriage, 1 000 mm (H4.0FT) / 1 200 mm (H4.5-5.5FT) forks, e-hydraulics, overhead guard and standard pneumatic shaped solid drive and steer tyres.

HYSTER		HYSTER		HYSTER		HYSTER		HYSTER		HYSTER		HYSTER		
H4.5FTS5		H4.5FT6		H4.5FT6		H5.0FT		H5.0FT		H5.5FT		H5.5FT		1.1
Fortens		Fortens		Fortens		Fortens		Fortens		Fortens		Fortens		1.2
GM 4.3L DuraMatch		Cummins 4.5L DuraMatch		GM 4.3L DuraMatch		Cummins 4.5L DuraMatch		GM 4.3L DuraMatch		Cummins 4.5L DuraMatch		GM 4.3L DuraMatch		
ADS Drum		Wet Brakes		Wet Brakes		Wet Brakes		Wet Brakes		Wet Brakes		Wet Brakes		
LPG		Diesel		LPG		Diesel		LPG		Diesel		LPG		1.3
Seat		Seat		Seat		Seat		Seat		Seat		Seat		1.4
4 500		4 500		4 500		5 000		5 000		5 500		5 500		1.5
500		600		600		600		600		600		600		1.6
522,1		590		590		590		590		590		590		1.8
1 830		2 100		2 100		2 100		2 100		2 100		2 100		1.9

CHARACTERISTICS

6 368		7 064		6 939		7 369		7 244		7 654		7 529		2.1
9 095		1 356		10 322		1 278		10 265		1 210		10 970		1 388
2 526		3 842		3 209		3 855		3 152		3 787		3 146		4 223
10 913		1 320		10 913		1 320		10 913		1 320		10 913		1 320
11 612		1 485		11 612		1 485		11 612		1 485		11 612		1 485
11 555		1 417		11 555		1 417		11 555		1 417		11 555		1 417
3 073		4 581		3 073		4 581		3 073		4 581		3 073		4 581
3 016		4 513		3 016		4 513		3 016		4 513		3 016		4 513
2 2		2.2		2 2		2.2		2 2		2.2		2 2		2.2
2 2		2.2		2 2		2.2		2 2		2.2		2 2		2.2

WEIGHTS

SE		SE		SE		SE		SE		SE		SE		
250 x 15		300 x 15		300 x 15		300 x 15		300 x 15		300 x 15		300 x 15		3.1
7,00 x 12		28 x 9 - 15		28 x 9 - 15		28 x 9 - 15		28 x 9 - 15		28 x 9 - 15		28 x 9 - 15		3.2
2X		2		2X		2		2X		2		2X		2
1 152		1 150		1 152		1 150		1 152		1 150		1 152		1 150
1 136		1 136		1 136		1 136		1 136		1 136		1 136		1 136

WHEELS & TYRES

6		10		6		10		6		10		6		10		
2 215		2 215		2 215		2 215		2 215		2 215		2 215		2 215		4.1
100		100		100		100		100		100		100		100		4.2
2 740		2 740		2 740		2 740		2 740		2 740		2 740		2 740		4.3
3 730		3 730		3 730		3 730		3 730		3 730		3 730		3 730		4.4
2 258		2 300		2 258		2 300		2 258		2 300		2 258		2 300		4.5
1 159		1 201		1 159		1 201		1 159		1 201		1 159		1 201		4.6
429		472		429		472		429		472		429		472		4.7
4 197		4 456		4 197		4 456		4 197		4 456		4 197		4 456		4.8
2 997		3 256		2 997		3 256		2 997		3 256		2 997		3 256		4.9
1 402		1 485		1 402		1 485		1 402		1 485		1 402		1 485		4.12
60		150		60		150		60		150		60		150		4.19
1 450		1 575		1 450		1 575		1 450		1 575		1 450		1 575		4.20
1 875		1 200		1 875		1 200		1 875		1 200		1 875		1 200		4.21
60		150		60		150		60		150		60		150		4.22
IV A		IV A		IV A		IV A		IV A		IV A		IV A		IV A		4.23
1 219		1 219		1 219		1 219		1 219		1 219		1 219		1 219		4.24
194		194		194		194		194		194		194		194		4.31
194		237		194		237		194		237		194		237		4.32
4 437		4 695		4 437		4 695		4 437		4 695		4 437		4 695		4.33
4 576		4 847		4 576		4 847		4 576		4 847		4 576		4 847		4.34
2 619		2 837		2 619		2 837		2 619		2 837		2 619		2 837		4.35
50		131		50		131		50		131		50		131		4.36

DIMENSIONS

18,7		19,5		18,7		19,5		18,7		19,5		18,7		19,5		5.1
0,56		0,57		0,56		0,57		0,56		0,57		0,56		0,57		5.2
0,51		0,42		0,51		0,42		0,51		0,42		0,51		0,42		5.3
24 700		16 300		24 700		16 300		24 700		16 300		24 700		16 300		5.5
27 500		16 300		27 500		16 300		27 500		16 300		27 500		16 300		5.6
19,0		27,1		19,0		27,1		19,0		27,1		19,0		27,1		5.7
24,8		27,1		24,8		27,1		24,8		27,1		24,8		27,1		5.8
Hydraulic		Hydraulic		Hydraulic		Hydraulic		Hydraulic		Hydraulic		Hydraulic		Hydraulic		5.10

PERFORMANCE

GM 4.3L		Cummins 4.5L		GM 4.3L		Cummins 4.5L		GM 4.3L		Cummins 4.5L		GM 4.3L		
77		58		77		58		77		58		77		7.1
2 400		2 250		2 400		2 250		2 400		2 250		2 400		7.2
6		4 302		6		4 302		6		4 302		6		7.3
4		4 516		4		4 516		4		4 516		4		7.4

ENGINE

Automatic		Automatic		Automatic		Automatic		Automatic		Automatic		Automatic		
155		155		155		155		155		155		155		8.1
83,3		83,3		83,3		83,3		83,3		83,3		83,3		8.2
82		80		82		80		82		80		82		8.3
105		105		105		105		105		105		105		8.4
Pin		Pin		Pin		Pin		Pin		Pin		Pin		8.5

OTHER

# Fortens Advance H4.0FT, H4.5FT, H5.0FT, H5.5FT

CHARACTERISTICS	1.1	Manufacturer	HYSTER		HYSTER		HYSTER		HYSTER		HYSTER			
	1.2	Model designation	H4.0FT5		H4.0FT5		H4.0FT6		H4.0FT6		H4.5FTS5			
		Model - Manufacturer designation	Fortens Advance		Fortens Advance		Fortens Advance		Fortens Advance		Fortens Advance			
		Engine / transmission	Cummins 4.5L DuraMatch2		GM 4.3L DuraMatch2		Cummins 4.5L DuraMatch2		GM 4.3L DuraMatch2		Cummins 4.5L DuraMatch2			
		Brake type	ADS Drum or Wet Brakes		ADS Drum or Wet Brakes		ADS Drum or Wet Brakes		ADS Drum or Wet Brakes		ADS Drum or Wet Brakes			
	1.3	Power: battery, diesel, LPG, electric mains	Diesel		LPG		Diesel		LPG		Diesel			
	1.4	Operation: manual, pedestrian, stand, seat, orderpicker	Seat		Seat		Seat		Seat		Seat			
	1.5	Load capacity	4 000		4 000		4 000		4 000		4 500			
	1.6	Load centre	500		500		600		600		500			
	1.8	Load distance	522,1		522,1		522,1		522,1		522,1			
1.9	Wheelbase	1 830		1 830		1 830		1 830		1 830				
WEIGHTS	2.1	Unladen weight	6 158		6 033		6 243		6 243		6 493			
	2.2	Axle loading with load, front/rear	8 521   1 266		8 464   1 198		8 999   1 243		8 999   1 243		9 152   1 424			
	2.3	Axle loading without load, front/rear	2 660   3 497		2 603   3 429		2 561   3 682		2 561   3 682		2 583   3 910			
WHEELS & TYRES	3.1	Tyres: L=pneumatic, V=solid, SE=pneumatic-shaped solid	SE		SE		SE		SE		SE			
	3.2	Tyre size, front	250 x 15		250 x 15		250 x 15		250 x 15		250 x 15			
	3.3	Tyre size, rear	7,00 x 12		7,00 x 12		7,00 x 12		7,00 x 12		7,00 x 12			
	3.5	Number of wheels, front/rear (X = driven)	2X   2		2X   2		2X   2		2X   2		2X   2			
	3.6	Track width, front	1 152		1 152		1 152		1 152		1 152			
3.7	Track width, rear	1 136		1 136		1 136		1 136		1 136				
DIMENSIONS	4.1	Mast tilt, $\alpha = \text{forward} / \beta = \text{back}$	6		10		6		10		6		10	
	4.2	Height of mast, lowered	2 175		2 175		2 175		2 175		2 175		2 215	
	4.3	Free lift $\uparrow$	100		100		100		100		100		100	
	4.4	Lift height $\uparrow$	3 000		3 000		3 000		3 000		3 000		2 740	
	4.5	Height of mast, extended $\uparrow$	3 815		3 815		3 815		3 815		3 815		3 730	
	4.7	Overhead guard height $\blacksquare$	2 258		2 258		2 258		2 258		2 258		2 258	
	4.8	Seat height $\circ$	1 159		1 159		1 159		1 159		1 159		1 159	
	4.12	Towing coupling height	429		429		429		429		429		429	
	4.19	Overall length	3 945		3 945		4 176		4 176		4 176		4 197	
	4.20	Length to face of forks	2 945		2 945		2 976		2 976		2 976		2 997	
	4.21	Overall width, standard/wide/dual drive	1 402   1 485   1 773		1 402   1 485   1 773		1 402   1 485   1 773		1 402   1 485   1 773		1 402   1 485   1 773		1 402   1 485   1 773	
	4.22	Fork dimensions	50   125   1 000		50   125   1 000		50   125   1 200		50   125   1 200		50   125   1 200		60   150   1 200	
	4.23	Fork carriage DIN 15173, Class, A/B	III A		III A		III A		III A		III A		IV A	
	4.24	Fork carriage width $\bullet$	1 219		1 219		1 219		1 219		1 219		1 219	
	4.31	Ground clearance under mast, with load	151		151		150		150		150		194	
	4.32	Ground clearance, centre of wheelbase	194		194		194		194		194		194	
4.33	Aisle width with pallets 1 000 mm x 1 200 mm wide $\blacklozenge$	4 388		4 388		4 417		4 417		4 417		4 437		
4.34	Aisle width with pallets 800 mm x 1 200 mm long $\blacklozenge$	4 527		4 527		4 556		4 556		4 556		4 576		
4.35	Outer turning radius	2 570		2 570		2 599		2 599		2 599		2 619		
4.36	Inner turning radius	50		50		50		50		50		50		
PERFORMANCE	5.1	Travel speed with/without load	21,4		22,4		23,3		24,4		21,4		22,4	
	5.2	Lifting speed with/without load	0,60		0,66		0,61		0,62		0,60		0,66	
	5.3	Lowering speed with/without load	0,55		0,47		0,55		0,47		0,55		0,47	
	5.5	Drawbar pull with/without load @ 1,6 km/h	31 700		16 800		29 400		16 800		31 600		16 500	
	5.6	Maximum drawbar pull with/without load	37 700		16 800		33 500		16 800		37 600		16 500	
	5.7	Gradeability with/without load @ 4,8 km/h $\uparrow$	23,2		29,6		23,4		29,6		21,8		28,1	
	5.8	Maximum gradeability with/without load @ 1,6 km/h $\uparrow$	35,5		29,6		32,7		29,6		33,1		28,1	
5.10	Service brake	Hydraulic		Hydraulic		Hydraulic		Hydraulic		Hydraulic		Hydraulic		
ENGINE	7.1	Engine manufacturer/type	Cummins 4.5L		GM 4.3L		Cummins 4.5L		GM 4.3L		Cummins 4.5L			
	7.2	Engine output, in accordance with ISO 1585	58		77		58		77		58			
	7.3	Governed speed	2 250		2 400		2 250		2 400		2 250			
	7.4	Number of cylinders/displacements	4   4 516		6   4 302		4   4 516		6   4 302		4   4 516			
OTHER	8.1	Drive control	Automatic		Automatic		Automatic		Automatic		Automatic			
	8.2	Working pressure for attachments	155		155		155		155		155			
	8.3	Oil flow for attachments $\equiv$	83,3		83,3		83,3		83,3		83,3			
	8.4	Average noise level at operator's ear no cab/cab (L <sub>pa,z</sub> ) $\diamond$	81   80		82   80		81   80		82   80		81   80			
	8.5	Guaranteed sound power 2001/14/EC (L <sub>waz</sub> )	105		105		105		105		105			
	Towing coupling type	Pin		Pin		Pin		Pin		Pin				

Specification Data is based on VDI 2198

## Equipment and weight:

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

Complete truck with 3 050 mm (H4.0FT), 2 800 mm (H4.5-5.5FT) 2-stage limited free lift mast, standard carriage, 1 000 mm (H4.0FT) / 1 200 mm (H4.5-5.5FT) forks, e-hydraulics, overhead guard and standard pneumatic shaped solid drive and steer tyres.

HYSTER		HYSTER		HYSTER		HYSTER		HYSTER		HYSTER		HYSTER		
H4.5FTS5		H4.5FT6		H4.5FT6		H5.0FT		H5.0FT		H5.5FT		H5.5FT		1.1
Fortens Advance		Fortens Advance		Fortens Advance		Fortens Advance		Fortens Advance		Fortens Advance		Fortens Advance		1.2
GM 4.3L DuraMatch2		Cummins 4.5L DuraMatch2		GM 4.3L DuraMatch2		Cummins 4.5L DuraMatch2		GM 4.3L DuraMatch2		Cummins 4.5L DuraMatch2		GM 4.3L DuraMatch2		
ADS Drum or Wet Brakes		Wet Brakes		Wet Brakes		Wet Brakes		Wet Brakes		Wet Brakes		Wet Brakes		
LPG		Diesel		LPG		Diesel		LPG		Diesel		LPG		1.3
Seat		Seat		Seat		Seat		Seat		Seat		Seat		1.4
4 500		4 500		4 500		5 000		5 000		5 500		5 500		1.5
500		600		600		600		600		600		600		1.6
522,1		590		590		590		590		590		590		1.8
1 830		2 100		2 100		2 100		2 100		2 100		2 100		1.9

CHARACTERISTICS

6 368		7 064		6 939		7 369		7 244		7 654		7 529		2.1
9 095		1 356		10 322		1 278		10 265		1 210		10 970		1 388
2 526		3 842		3 209		3 855		3 152		3 787		3 146		4 223
10 913		1 320		10 913		1 320		10 913		1 320		11 612		1 485
11 612		1 485		11 555		1 417		3 073		4 581		3 016		4 513
2 2		2.2		2.2		2.2		2.2		2.2		2.2		2.3

WEIGHTS

SE		SE		SE		SE		SE		SE		SE		
250 x 15		300 x 15		300 x 15		300 x 15		300 x 15		300 x 15		300 x 15		3.1
7,00 x 12		28 x 9 - 15		28 x 9 - 15		28 x 9 - 15		28 x 9 - 15		28 x 9 - 15		28 x 9 - 15		3.2
2X		2		2X		2		2X		2		2X		2
1 152		1 150		1 150		1 150		1 150		1 150		1 150		3.5
1 136		1 136		1 136		1 136		1 136		1 136		1 136		3.6
1 136		1 136		1 136		1 136		1 136		1 136		1 136		3.7

WHEELS & TYRES

6		10		6		10		6		10		6		10		
2 215		2 215		2 215		2 215		2 215		2 215		2 215		2 215		4.1
100		100		100		100		100		100		100		100		4.2
2 740		2 740		2 740		2 740		2 740		2 740		2 740		2 740		4.3
3 730		3 730		3 730		3 730		3 730		3 730		3 730		3 730		4.4
2 258		2 300		2 300		2 300		2 300		2 300		2 300		2 300		4.5
1 159		1 201		1 201		1 201		1 201		1 201		1 201		1 201		4.6
429		472		472		472		472		472		472		472		4.7
4 197		4 456		4 456		4 499		4 499		4 540		4 540		4 540		4.8
2 997		3 256		3 256		3 299		3 299		3 340		3 340		3 340		4.9
1 402		1 485		1 773		1 450		1 575		1 875		1 450		1 575		1 875
60		150		1 200		60		150		1 200		60		150		1 200
IV A		IV A		IV A		IV A		IV A		IV A		IV A		IV A		4.21
1 219		1 219		1 219		1 219		1 219		1 219		1 219		1 219		4.22
194		194		194		194		194		194		194		194		4.23
194		237		237		237		237		237		237		237		4.24
4 437		4 695		4 695		4 735		4 735		4 773		4 773		4 773		4.31
4 576		4 847		4 847		4 887		4 887		4 925		4 925		4 925		4.32
2 619		2 837		2 837		2 877		2 877		2 915		2 915		2 915		4.33
50		131		131		131		131		131		131		131		4.34
131		131		131		131		131		131		131		131		4.35
131		131		131		131		131		131		131		131		4.36

DIMENSIONS

23.3		24.4		23.2		23.6		22.7		23.2		23.2		23.6		22.7		23.2		5.1
0.56		0.57		0.48		0.53		0.56		0.57		0.48		0.53		0.56		0.57		5.2
0.51		0.42		0.51		0.42		0.51		0.42		0.51		0.42		0.51		0.42		5.3
29 300		16 300		29 400		20 200		29 800		20 200		29 200		20 000		29 700		20 000		5.4
33 400		16 300		34 500		20 200		34 100		20 200		34 300		20 000		34 000		19 700		5.5
21,8		27,1		17,6		31,1		19,6		31,1		17,2		29,4		18,3		29,4		5.6
29,8		27,1		27,0		31,1		27,5		31,1		25,1		29,4		25,5		29,4		5.7
25,6		27,7		25,6		27,7		26,1		27,7		26,1		27,7		26,1		27,7		5.8
Hydraulic		Hydraulic		Hydraulic		Hydraulic		Hydraulic		Hydraulic		Hydraulic		Hydraulic		Hydraulic		Hydraulic		5.10

PERFORMANCE

GM 4.3L		Cummins 4.5L		GM 4.3L		Cummins 4.5L		GM 4.3L		Cummins 4.5L		GM 4.3L		
77		58		77		58		77		58		77		7.1
2 400		2 250		2 400		2 250		2 400		2 250		2 400		7.2
6		4 302		4		4 516		6		4 302		4		4 516
6		4 302		6		4 302		6		4 302		6		4 302
6		4 302		6		4 302		6		4 302		6		4 302
6		4 302		6		4 302		6		4 302		6		4 302

ENGINE

Automatic		Automatic		Automatic		Automatic		Automatic		Automatic		Automatic		
155		155		155		155		155		155		155		8.1
83,3		83,3		83,3		83,3		83,3		83,3		83,3		8.2
82		81		80		82		81		80		82		80
105		105		105		105		105		105		105		8.3
Pin		Pin		Pin		Pin		Pin		Pin		Pin		8.4
Pin		Pin		Pin		Pin		Pin		Pin		Pin		8.5

OTHER

# Fortens Advance+ H4.0FT, H4.5FT, H5.0FT, H5.5FT

CHARACTERISTICS	1.1	Manufacturer	
	1.2	Model designation	
		Model - Manufacturer designation	
		Engine / transmission	
		Brake type	
	1.3	Power: battery, diesel, LPG, electric mains	
	1.4	Operation: manual, pedestrian, stand, seat, orderpicker	
	1.5	Load capacity	Q (kg)
	1.6	Load centre	c (mm)
1.8	Load distance	x (mm)	
1.9	Wheelbase	y (mm)	

H4.0FT5	H4.0FT5	H4.0FT6	H4.0FT6	H4.5FTS5
Fortens Advance +	Fortens Advance +	Fortens Advance +	Fortens Advance +	Fortens Advance +
Cummins 4.5L DuraMatch Plus2	GM 4.3L DuraMatch Plus2	Cummins 4.5L DuraMatch Plus2	GM 4.3L DuraMatch Plus2	Cummins 4.5L DuraMatch Plus2
Wet Brakes	Wet Brakes	Wet Brakes	Wet Brakes	Wet Brakes
Diesel	LPG	Diesel	LPG	Diesel
Seat	Seat	Seat	Seat	Seat
4 000	4 000	4 000	4 000	4 500
500	500	600	600	500
522,1	522,1	522,1	522,1	522,1
1 830	1 830	1 830	1 830	1 830

WEIGHTS	2.1	Unladen weight	kg
	2.2	Axle loading with load, front/rear	kg
	2.3	Axle loading without load, front/rear	kg

6 158	6 033	6 243	6 243	6 493					
8 521	1 266	8 464	1 198	8 999	1 243	8 999	1 243	9 152	1 424
2 660	3 497	2 603	3 429	2 561	3 682	2 561	3 682	2 583	3 910

WHEELS & TYRES	3.1	Tyres: L=pneumatic, V=solid, SE=pneumatic-shaped solid	
	3.2	Tyre size, front	
	3.3	Tyre size, rear	
	3.5	Number of wheels, front/rear (X = driven)	
	3.6	Track width, front	b <sub>10</sub> (mm)
	3.7	Track width, rear	b <sub>11</sub> (mm)

SE	SE	SE	SE	SE
250 x 15	250 x 15	250 x 15	250 x 15	250 x 15
7,00 x 12	7,00 x 12	7,00 x 12	7,00 x 12	7,00 x 12
2X 2	2X 2	2X 2	2X 2	2X 2
1 152	1 152	1 152	1 152	1 152
1 136	1 136	1 136	1 136	1 136

DIMENSIONS	4.1	Mast tilt, α = forward/β = back	degrees
	4.2	Height of mast, lowered	h <sub>1</sub> (mm)
	4.3	Free lift ↑	h <sub>2</sub> (mm)
	4.4	Lift height ↑	h <sub>3</sub> (mm)
	4.5	Height of mast, extended +	h <sub>4</sub> (mm)
	4.7	Overhead guard height ■	h <sub>6</sub> (mm)
	4.8	Seat height ○	h <sub>7</sub> (mm)
	4.12	Towing coupling height	h <sub>10</sub> (mm)
	4.19	Overall length	l <sub>1</sub> (mm)
	4.20	Length to face of forks	l <sub>2</sub> (mm)
	4.21	Overall width, standard/wide/dual drive	b <sub>1</sub> /b <sub>2</sub> (mm)
	4.22	Fork dimensions	s/e/l (mm)
	4.23	Fork carriage DIN 15173. Class, A/B	
	4.24	Fork carriage width ●	b <sub>3</sub> (mm)
	4.31	Ground clearance under mast, with load	m <sub>1</sub> (mm)
	4.32	Ground clearance, centre of wheelbase	m <sub>2</sub> (mm)
	4.33	Aisle width with pallets 1 000 mm x 1 200 mm wide ◆	Ast (mm)
	4.34	Aisle width with pallets 800 mm x 1 200 mm long ◆	Ast (mm)
4.35	Outer turning radius	W <sub>6</sub> (mm)	
4.36	Inner turning radius	b <sub>13</sub> (mm)	

6	10	6	10	6	10	6	10	6	10					
2 175	2 175	2 175	2 175	2 175	2 175	2 175	2 175	2 215	2 215					
100	100	100	100	100	100	100	100	100	100					
3 000	3 000	3 000	3 000	3 000	3 000	3 000	3 000	2 740	2 740					
3 815	3 815	3 815	3 815	3 815	3 815	3 815	3 815	3 730	3 730					
2 258	2 258	2 258	2 258	2 258	2 258	2 258	2 258	2 258	2 258					
1 159	1 159	1 159	1 159	1 159	1 159	1 159	1 159	1 159	1 159					
429	429	429	429	429	429	429	429	429	429					
3 945	3 945	3 945	4 176	4 176	4 176	4 176	4 176	4 197	4 197					
2 945	2 945	2 945	2 976	2 976	2 976	2 976	2 976	2 997	2 997					
1 402	1 485	1 773	1 402	1 485	1 773	1 402	1 485	1 773	1 402	1 485	1 773			
50	125	1 000	50	125	1 000	50	125	1 200	50	125	1 200	60	150	1 200
III A	III A	III A	III A	III A	III A	III A	III A	IV A	IV A	IV A	IV A	IV A	IV A	IV A
1 219	1 219	1 219	1 219	1 219	1 219	1 219	1 219	1 219	1 219	1 219	1 219	1 219	1 219	1 219
151	151	151	150	150	150	150	150	194	194	194	194	194	194	194
194	194	194	194	194	194	194	194	194	194	194	194	194	194	194
4 388	4 388	4 388	4 417	4 417	4 417	4 417	4 417	4 437	4 437	4 437	4 437	4 437	4 437	4 437
4 527	4 527	4 527	4 556	4 556	4 556	4 556	4 556	4 576	4 576	4 576	4 576	4 576	4 576	4 576
2 570	2 570	2 570	2 599	2 599	2 599	2 599	2 599	2 619	2 619	2 619	2 619	2 619	2 619	2 619
50	50	50	50	50	50	50	50	50	50	50	50	50	50	50

PERFORMANCE	5.1	Travel speed with/without load	km/h
	5.2	Lifting speed with/without load	m/sec
	5.3	Lowering speed with/without load	m/sec
	5.5	Drawbar pull with/without load @ 1,6 km/h	N
	5.6	Maximum drawbar pull with/without load	N
	5.7	Gradeability with/without load @ 4,8 km/h †	%
	5.8	Maximum gradeability with/without load @ 1,6 km/h †	%
	5.10	Service brake	

20,0	20,9	21,8	22,8	20,0	20,9	21,8	22,8	20,0	20,9
0,60	0,66	0,61	0,62	0,60	0,66	0,61	0,62	0,48	0,53
0,55	0,47	0,55	0,47	0,55	0,47	0,55	0,47	0,51	0,42
32 900	16 800	36 700	16 800	32 900	16 500	36 600	16 500	32 900	16 300
40 500	16 800	44 200	16 800	40 400	16 500	44 100	16 500	40 400	16 300
23,9	29,6	26,4	29,6	22,6	28,1	25,0	28,1	22,0	27,1
37,4	29,6	42,0	29,6	35,0	28,1	39,1	28,1	34,2	27,1
Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic

ENGINE	7.1	Engine manufacturer/type	
	7.2	Engine output, in accordance with ISO 1585	kW
	7.3	Governed speed	rpm
	7.4	Number of cylinders/displacements	cm <sup>3</sup>

Cummins 4.5L	GM 4.3L	Cummins 4.5L	GM 4.3L	Cummins 4.5L					
58	77	58	77	58					
2 250	2 400	2 250	2 400	2 250					
4	4 516	6	4 302	4	4 516	6	4 302	4	4 516

OTHER	8.1	Drive control	
	8.2	Working pressure for attachments	bar
	8.3	Oil flow for attachments ⚡	l/min
	8.4	Average noise level at operator's ear no cab/cab (Lpaz) ◇	dB (A)
	8.5	Guaranteed sound power 2001/14/EC (Lwaz)	dB

Automatic	Automatic	Automatic	Automatic	Automatic					
155	155	155	155	155					
83,3	83,3	83,3	83,3	83,3					
81	80	82	80	81	80	82	80	81	80
105	105	105	105	105	105	105	105	105	105
Pin	Pin	Pin	Pin	Pin	Pin	Pin	Pin	Pin	Pin

Specification Data is based on VDI 2198

## Equipment and weight:

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

Complete truck with 3 050 mm (H4.0FT), 2 800 mm (H4.5-5.5FT) 2-stage limited free lift mast, standard carriage, 1 000 mm (H4.0FT) / 1 200 mm (H4.5-5.5FT) forks, e-hydraulics, overhead guard and standard pneumatic shaped solid drive and steer tyres.

HYSTER		HYSTER		HYSTER		HYSTER		HYSTER		HYSTER		HYSTER		
H4,5FT55		H4,5FT6		H4,5FT6		H5,0FT		H5,0FT		H5,5FT		H5,5FT		1.1
Fortens Advance +		Fortens Advance +		Fortens Advance +		Fortens Advance +		Fortens Advance +		Fortens Advance +		Fortens Advance +		1.2
GM 4.3L DuraMatch Plus2		Cummins 4.5L DuraMatch Plus2		GM 4.3L DuraMatch Plus2		Cummins 4.5L DuraMatch Plus2		GM 4.3L DuraMatch Plus2		Cummins 4.5L DuraMatch Plus2		GM 4.3L DuraMatch Plus2		
Wet Brakes		Wet Brakes		Wet Brakes		Wet Brakes		Wet Brakes		Wet Brakes		Wet Brakes		
LPG		Diesel		LPG		Diesel		LPG		Diesel		LPG		1.3
Seat		Seat		Seat		Seat		Seat		Seat		Seat		1.4
4 500		4 500		4 500		5 000		5 000		5 500		5 500		1.5
500		600		600		600		600		600		600		1.6
522,1		590		590		590		590		590		590		1.8
1 830		2 100		2 100		2 100		2 100		2 100		2 100		1.9

CHARACTERISTICS

6 368		7 064		6 939		7 369		7 244		7 654		7 529		2.1		
9 095		1 356		10 322		1 278		10 265		1 210		10 970		1 388		2.2
2 526		3 842		3 209		3 855		3 152		3 787		3 146		4 223		2.3

WEIGHTS

SE		SE		SE		SE		SE		SE		SE				
250 x 15		300 x 15		300 x 15		300 x 15		300 x 15		300 x 15		300 x 15		3.1		
7,00 x 12		28 x 9 - 15		28 x 9 - 15		28 x 9 - 15		28 x 9 - 15		28 x 9 - 15		28 x 9 - 15		3.2		
2X		2		2X		2		2X		2		2X		2		3.3
1 152		1 150		1 150		1 150		1 150		1 150		1 150		3.5		
1 136		1 136		1 136		1 136		1 136		1 136		1 136		3.6		
1 136		1 136		1 136		1 136		1 136		1 136		1 136		3.7		

WHEELS & TYRES

6		10		6		10		6		10		6		10				
2 215		2 215		2 215		2 215		2 215		2 215		2 215		2 215		4.1		
100		100		100		100		100		100		100		100		4.2		
2 740		2 740		2 740		2 740		2 740		2 740		2 740		2 740		4.3		
3 730		3 730		3 730		3 730		3 730		3 730		3 730		3 730		4.4		
2 258		2 300		2 300		2 300		2 300		2 300		2 300		2 300		4.5		
1 159		1 201		1 201		1 201		1 201		1 201		1 201		1 201		4.6		
429		472		472		472		472		472		472		472		4.7		
4 197		4 456		4 456		4 499		4 499		4 540		4 540		4 540		4.8		
2 997		3 256		3 256		3 299		3 299		3 340		3 340		3 340		4.9		
1 402		1 485		1 773		1 450		1 575		1 875		1 450		1 575		1 875		4.12
60		150		1 200		60		150		1 200		60		150		1 200		4.19
IV A		IV A		IV A		IV A		IV A		IV A		IV A		IV A		4.20		
1 219		1 219		1 219		1 219		1 219		1 219		1 219		1 219		4.21		
194		194		194		194		194		194		194		194		4.22		
194		237		237		237		237		237		237		237		4.23		
4 437		4 695		4 695		4 735		4 735		4 773		4 773		4 773		4.24		
4 576		4 847		4 847		4 887		4 887		4 925		4 925		4 925		4.25		
2 619		2 837		2 837		2 877		2 877		2 915		2 915		2 915		4.26		
50		131		131		131		131		131		131		131		4.27		

DIMENSIONS

21,8		22,8		20,9		21,3		22,7		23,2		20,9		21,3		22,7		23,2		5.1
0,56		0,57		0,48		0,53		0,56		0,57		0,48		0,53		0,56		0,57		5.2
0,51		0,42		0,51		0,42		0,51		0,42		0,51		0,42		0,51		0,42		5.3
36 500		16 300		32 000		20 200		32 300		20 200		31 900		20 000		32 300		20 000		5.4
44 100		16 300		38 200		20 200		39 400		20 200		38 200		20 000		39 400		20 000		5.5
24,4		27,1		19,4		31,1		21,7		31,1		18,1		29,4		20,1		29,4		5.6
38,2		27,1		29,7		31,1		30,1		31,1		27,6		29,4		28,1		29,4		5.7
Hydraulic		Hydraulic		Hydraulic		Hydraulic		Hydraulic		Hydraulic		Hydraulic		Hydraulic		Hydraulic		Hydraulic		5.8

PERFORMANCE

GM 4.3L		Cummins 4.5L		GM 4.3L		Cummins 4.5L		GM 4.3L		Cummins 4.5L		GM 4.3L				
77		58		77		58		77		58		77		7.1		
2 400		2 250		2 400		2 250		2 400		2 250		2 400		7.2		
6		4 302		4		4 516		6		4 302		4		4 516		7.3
6		4 302		4		4 516		6		4 302		4		4 516		7.4

ENGINE

Automatic		Automatic		Automatic		Automatic		Automatic		Automatic		Automatic				
155		155		155		155		155		155		155		8.1		
83,3		83,3		83,3		83,3		83,3		83,3		83,3		8.2		
82		80		81		80		82		80		81		80		8.3
105		105		105		105		105		105		105		8.4		
Pin		Pin		Pin		Pin		Pin		Pin		Pin		8.5		

OTHER

# 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 H4.0FT5/FT6

	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	3 050	10°	2 175	4 300 ❖	150 ▽
	3 650	10°	2 475	4 900 ❖	150 ▽
	4 250	10°	2 775	5 500 ❖	150 ▽
	4 950	6°	3 225	6 200 ❖	150 ▽
2-Stage full free lift	3 075	10°	2 175	4 325 ❖	1 355 ▽
	3 675	10°	2 475	4 925 ❖	1 655 ▽
3-Stage full free lift	4 415	6°	2 175	5 665 ❖	1 355 ▽
	4 950	6°	2 375	6 200 ❖	1 555 ▽
	5 250	6°	2 475	6 500 ❖	1 655 ▽
	5 550	6°	2 575	6 800 ❖	1 755 ▽
	6 000	6°	2 775	7 250 ❖	1 955 ▽

## Masts H4.5FTS5-H5.5FT

	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	2 800	10°	2 215	4 065 ❖	160 ▽
	3 400	10°	2 515	4 665 ❖	160 ▽
	4 000	10°	2 815	5 265 ❖	160 ▽
	4 700	6°	3 265	5 965 ❖	160 ▽
	5 300	6°	3 665	6 565 ❖	160 ▽
	5 900	6°	4 065	7 165 ❖	160 ▽
2-Stage full free lift	2 825	10°	2 215	4 090 ❖	1 230 ▽
	3 425	10°	2 515	4 690 ❖	1 530 ▽
3-Stage full free lift	4 145	6°	2 215	5 415 ❖	1 230 ▽
	5 000	6°	2 515	6 265 ❖	1 530 ▽
	5 300	6°	2 615	6 565 ❖	1 630 ▽

### H4.0FT5-H4.0FT6 - Capacity chart in kg @ 500 mm (a) or 600 mm (b) load centre

	Pneumatic Shaped Solid Tyres				
	Maximum fork height (mm)	Without sideshift		With integral sideshift	
		H4.0FT5 (a)	H4.0FT6 (b)	H4.0FT5 (a)	H4.0FT6 (b)
2-Stage limited free lift	3 050	4 000	4 000	4 000	4 000
	3 650	4 000	4 000	4 000	4 000
	4 250	4 000	4 000	4 000	4 000
	4 950	3 890	3 890	3 890	3 890
2-Stage full free lift	3 075	4 000	4 000	4 000	4 000
	3 675	4 000	4 000	4 000	4 000
3-Stage full free lift	4 415	4 000	4 000	4 000	4 000
	4 950	3 880	3 880	3 880	3 870
	5 250	3 810	3 810	3 810	3 790
	5 550	3 730	3 740	3 730	3 710
	6 000	3 610	3 620	3 590	3 580

### H4.0FT5-H4.0FT6 - Capacity chart in kg @ 500 mm (a) or 600 mm (b) load centre

	Michelin (Radial) tyres				
	Maximum fork height (mm)	Without sideshift		With integral sideshift	
		H4.0FT5 (a)	H4.0FT6 (b)	H4.0FT5 (a)	H4.0FT6 (b)
2-Stage limited free lift	3 050	4 000	4 000	4 000	4 000
	3 650	4 000	4 000	4 000	4 000
	4 250	4 000	4 000	4 000	4 000
	4 950	3 880	3 890	3 880	3 890
2-Stage full free lift	3 075	4 000	4 000	4 000	4 000
	3 675	4 000	4 000	4 000	4 000
3-Stage full free lift	4 415	4 000	4 000	4 000	4 000
	4 950	3 880 ⚡	3 880 ⚡	3 880 ⚡	3 870 ⚡
	5 250	3 800 ⚡	3 810 ⚡	3 800 ⚡	3 790 ⚡
	5 550	3 730 ✖	3 740 ✖	3 730 ✖	3 710 ✖
	6 000	3 610 ✖	3 620 ✖	3 590 ✖	3 580 ✖

### H4.0FTS5-H5.5FT - Capacity chart in kg @ 500 mm (a) or 600 mm (b) load centre

	Pneumatic Shaped Solid Tyres									
	Maximum fork height (mm)	Without sideshift		Without sideshift		Maximum fork height (mm)	With integral sideshift		With integral sideshift	
		H4.5FTS5 (a)	H4.5FT6 (b)	H5.0FT (b)	H5.5FT (b)		H4.5FTS5 (a)	H4.5FT6 (b)	H5.0FT (b)	H5.5FT (b)
2-Stage limited free lift	2 800	4 500	4 500	5 000	5 500	2 800	4 500	4 500	5 000	5 500
	3 400	4 500	4 500	5 000	5 500	3 400	4 500	4 500	5 000	5 500
	4 000	4 500	4 500	5 000	5 500	4 000	4 480	4 500	5 000	5 500
	4 700	4 390	4 390	4 890	5 380	4 700	4 340	4 390	4 890	5 380
	5 300	4 240	4 250	4 740	5 230	5 300	4 160	4 250	4 740	5 230
	5 900	4 070	4 100	4 580	5 050	5 900	3 970	4 100	4 580	5 050
2-Stage full free lift	2 825	4 500	4 500	5 000	5 500	2 825	4 480	4 500	5 000	5 500
	3 425	4 500	4 500	5 000	5 500	3 425	4 460	4 500	5 000	5 500
3-Stage full free lift	4 145	4 500	4 500	5 000	5 500	4 145	4 420	4 500	5 000	5 500
	5 000	4 300	4 310	4 800	5 290	5 000	4 200	4 310	4 800	5 290
	5 300	4 230	4 240	4 730	5 210	5 300	4 120	4 240	4 730	5 210

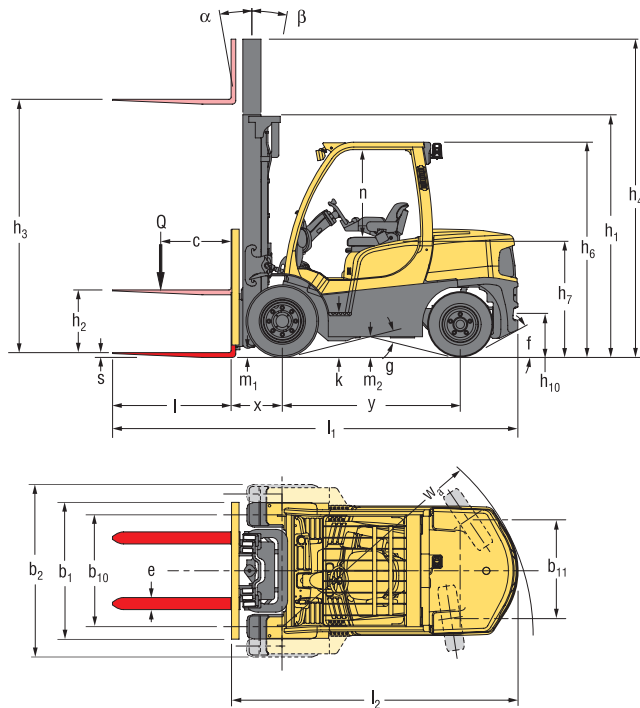
### H4.0FTS5-H5.5FT - Capacity chart in kg @ 500 mm (a) or 600 mm (b) load centre

	Michelin (Radial) tyres									
	Maximum fork height (mm)	Without sideshift		Without sideshift		Maximum fork height (mm)	With integral sideshift		With integral sideshift	
		H4.5FTS5 (a)	H4.5FT6 (b)	H5.0FT (b)	H5.5FT (b)		H4.5FTS5 (a)	H4.5FT6 (b)	H5.0FT (b)	H5.5FT (b)
2-Stage limited free lift	2 800	4 500	4 500	5 000	5 500	2 800	4 500	4 500	5 000	5 500
	3 400	4 500	4 500	5 000	5 500	3 400	4 500	4 500	5 000	5 500
	4 000	4 500	4 500	5 000	5 500	4 000	4 480	4 500	5 000	5 500
	4 700	4 380	4 390	4 880	5 380 ⚡	4 700	4 340	4 390	4 880	5 380 ⚡
	5 300	4 230 ⚡	4 250 ⚡	4 730 ⚡	5 220 ⚡	5 300	4 160 ⚡	4 250 ⚡	4 730 ⚡	5 220 ⚡
	5 900	4 070 ✖	4 090 ⚡	4 570 ✖	5 050 ✖	5 900	3 970 ✖	4 090 ⚡	4 570 ✖	5 050 ✖
2-Stage full free lift	2 825	4 500	4 500	5 000	5 500	2 825	4 480	4 500	5 000	5 500
	3 425	4 500	4 500	5 000	5 500	3 425	4 460	4 500	5 000	5 500
3-Stage full free lift	4 145	4 500	4 500	5 000	5 500	4 145	4 420	4 500	5 000	5 500
	5 000	4 270 ⚡	4 310 ⚡	4 800 ⚡	5 290 ⚡	5 000	4 200 ⚡	4 310 ⚡	4 800 ⚡	5 290 ⚡
	5 300	4 220 ✖	4 240 ⚡	4 730 ✖	5 210 ✖	5 300	4 120 ✖	4 240 ⚡	4 730 ✖	5 210 ✖

Note: To calculate truck capacities with alternative truck specifications to the ones shown in the above tables, please use the Hy-Rater software. The rated capacities shown are for masts in a vertical position on trucks equipped with standard or sideshift carriage, and nominal length forks. Masts above the maximum fork heights shown in the mast table are classified as high lift, and depending on the tyre/tread configuration may require reduced capacity, restricted back tilt or wide tread.



## Truck dimensions



 = Centre of gravity of unladen truck

$A_{st} = W_a + x + l_6 + a$  (see lines 4.33 & 4.34)

$a$  = Minimum operating clearance

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

$l_6$  = Load length

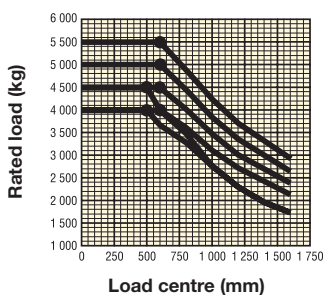
### Model

H4.0FT5 H4.0FT6 H4.5FT5 H4.5FT6 H5.0FT H5.5FT

Dimensions (mm)

f	37%	27.5%	33%	32%	32%	28%
g	28°	28°	28°	30°	30°	30°
k	441	441	441	484	484	484
n	1 062	1 062	1 062	1 062	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 4 250 mm (H4.0FT) and 4 000 mm (H4.5-5.5FT).

## 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
  - $h_6$  subject to +/- 5 mm tolerance
  - Full-suspension seat in depressed position
  - Subtract 32 mm without 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 dealer
- Mast tables:**
- ❖ With load backrest
  - ▽ 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.



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 H4.0-5.5FT 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 ownership and simple serviceability.

Model / Bundle		H4.0FT5			H4.0FT6		
DIESEL	Engine	Transmission	Brakes	Engine	Transmission	Brakes	
<b>Fortens</b>	Cummins 4.5L	DuraMatch™ Electronic 1 speed	ADS Drum	Cummins 4.5L	DuraMatch™ Electronic 1 speed	ADS Drum	
<b>Fortens</b> Advance	Cummins 4.5L	DuraMatch™ Electronic 2 speed	ADS Drum	Cummins 4.5L	DuraMatch™ Electronic 2 speed	ADS Drum	
	Cummins 4.5L	DuraMatch™ Electronic 2 speed	Wet	Cummins 4.5L	DuraMatch™ Electronic 2 speed	Wet	
<b>Fortens</b> Advance+	Cummins 4.5L	DuraMatch™ Plus 2 speed	Wet	Cummins 4.5L	DuraMatch™ Plus 2 speed	Wet	

Model / Bundle		H4.5FTS5			H4.5FT6		
DIESEL	Engine	Transmission	Brakes	Engine	Transmission	Brakes	
<b>Fortens</b>	Cummins 4.5L	DuraMatch™ Electronic 1 speed	ADS Drum	Cummins 4.5L	DuraMatch™ Electronic 1 speed	Wet	
<b>Fortens</b> Advance	Cummins 4.5L	DuraMatch™ Electronic 2 speed	ADS Drum	Cummins 4.5L	DuraMatch™ Electronic 2 speed	Wet	
	Cummins 4.5L	DuraMatch™ Electronic 2 speed	Wet	-	-	-	
<b>Fortens</b> Advance+	Cummins 4.5L	DuraMatch™ Plus 2 speed	Wet	Cummins 4.5L	DuraMatch™ Plus 2 speed	Wet	

Model / Bundle		H5.0FT			H5.5FT		
DIESEL	Engine	Transmission	Brakes	Engine	Transmission	Brakes	
<b>Fortens</b>	Cummins 4.5L	DuraMatch™ Electronic 1 speed	Wet	Cummins 4.5L	DuraMatch™ Electronic 1 speed	Wet	
<b>Fortens</b> Advance	Cummins 4.5L	DuraMatch™ Electronic 2 speed	Wet	Cummins 4.5L	DuraMatch™ Electronic 2 speed	Wet	
<b>Fortens</b> Advance+	Cummins 4.5L	DuraMatch™ Plus 2 speed	Wet	Cummins 4.5L	DuraMatch™ Plus 2 speed	Wet	

Model / Bundle		H4.0FT5			H4.0FT6		
LPG	Engine	Transmission	Brakes	Engine	Transmission	Brakes	
<b>Fortens</b>	GM 4.3L V6	DuraMatch™ Electronic 1 speed	ADS Drum	GM 4.3L V6	DuraMatch™ Electronic 1 speed	ADS Drum	
<b>Fortens</b> Advance	GM 4.3L V6	DuraMatch™ Electronic 2 speed	ADS Drum	GM 4.3L V6	DuraMatch™ Electronic 2 speed	ADS Drum	
	GM 4.3L V6	DuraMatch™ Electronic 2 speed	Wet	GM 4.3L V6	DuraMatch™ Electronic 2 speed	Wet	
<b>Fortens</b> Advance+	GM 4.3L V6	DuraMatch™ Plus 2 speed	Wet	GM 4.3L V6	DuraMatch™ Plus 2 speed	Wet	

Model / Bundle		H4.5FTS5			H4.5FT6		
LPG	Engine	Transmission	Brakes	Engine	Transmission	Brakes	
<b>Fortens</b>	GM 4.3L V6	DuraMatch™ Electronic 1 speed	ADS Drum	GM 4.3L V6	DuraMatch™ Electronic 1 speed	Wet	
<b>Fortens</b> Advance	GM 4.3L V6	DuraMatch™ Electronic 2 speed	ADS Drum	GM 4.3L V6	DuraMatch™ Electronic 2 speed	Wet	
	GM 4.3L V6	DuraMatch™ Electronic 2 speed	Wet	-	-	-	
<b>Fortens</b> Advance+	GM 4.3L V6	DuraMatch™ Plus 2 speed	Wet	GM 4.3L V6	DuraMatch™ Plus 2 speed	Wet	

Model / Bundle		H5.0FT			H5.5FT		
LPG	Engine	Transmission	Brakes	Engine	Transmission	Brakes	
<b>Fortens</b>	GM 4.3L V6	DuraMatch™ Electronic 1 speed	Wet	GM 4.3L V6	DuraMatch™ Electronic 1 speed	Wet	
<b>Fortens</b> Advance	GM 4.3L V6	DuraMatch™ Electronic 2 speed	Wet	GM 4.3L V6	DuraMatch™ Electronic 2 speed	Wet	
<b>Fortens</b> Advance+	GM 4.3L V6	DuraMatch™ Plus	Wet	GM 4.3L V6	DuraMatch™ Plus	Wet	

## Product Features

The Fortens & Fortens Advance models both feature the electronically controlled **DuraMatch™ transmission**, with one and two speeds respectively, providing:

- **Auto Deceleration System** automatically slows the truck when the accelerator pedal is released, which significantly extends brake life. This feature is programmable through the dash display, to match application needs from delicate to more aggressive settings for maximum productivity.
- **Controlled Power Reversal** controls direction changes through the transmission, virtually eliminating tyre spin and significantly increasing tyre life.
- **Controlled Roll-Back on Ramp;** the transmission controls the rate of descent of the truck on a ramp, when the brake and throttle pedal are released, to provide maximum control on a grade and reduce driver fatigue.

The Fortens Advance+ models feature the electronically controlled two-speed extended function **DuraMatch™ Plus2 transmission**. This transmission, in addition to the above, features:

- **Throttle Response Management** allows the operator to manage his travel speed, according to the position of his foot on the accelerator pedal. For example, a certain speed can be maintained on a gradient, without the need to depress the pedal further.
- **Extended Auto Deceleration System;** as with the DuraMatch™, allows the operator to slow the truck down without using the brake. However, thanks to the Throttle Response Management feature, the rate of deceleration is dependant on the rate at which the driver releases his foot from the accelerator pedal. On this model, the ADS is not adjustable through the dash display.
- **Auto-Speed Hydraulics with Automatic Inching Control;** the engine speed is automatically increased to provide full hydraulic power, while travel speed remains constant.
- **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 the combi-cooler radiator 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 operator compartment has an open non-slip step with a height of just 42.5 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 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.



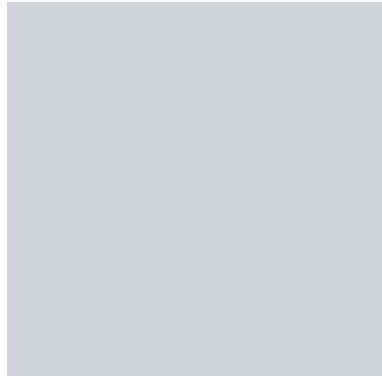
## Strong Partners, Tough Trucks, for Demanding Operations Everywhere.

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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