



**STRONG PARTNERS.
TOUGH TRUCKS.™**

FORTENS™



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

DISTINGUISHING MARKS	1.1	Manufacturer (abbreviation)	
	1.2	Manufacturer's type designation	
		Model	
		Engine / transmission	
		Brake type	
	1.3	Drive: electric (battery or mains), diesel, petrol, fuel gas	
	1.4	Operator type: hand, pedestrian, standing, seated, order-picker	
	1.5	Rated capacity/rated load	Q (kg)
1.6	Load centre distance	c (mm)	
1.8	Load distance, centre of drive axle to fork	x (mm)	
1.9	Wheelbase	y (mm)	

WEIGHTS	2.1	Service weight	kg
	2.2	Axle loading, laden front / rear	kg
	2.3	Axle loading, unladen front / rear	kg

TYRES/CHASSIS	3.1	Tyres: L=pneumatic,V=cushion, SE=Pneumatic Shape Solid	
	3.2	Tyre size, front	
	3.3	Tyre size, rear	
	3.5	Wheels, number front/rear (x = driven wheels)	
	3.6	Tread, front	b ₁₀ (mm)
	3.7	Tread, rear	b ₁₁ (mm)

DIMENSIONS	4.1	Tilt of mast/fork carriage forward/backward	α / β (°)
	4.2	Height, mast lowered	h ₁ (mm)
	4.3	Free lift \uparrow	h ₂ (mm)
	4.4	Lift \uparrow	h ₃ (mm)
	4.5	Height of mast, extended \blacklozenge	h ₄ (mm)
	4.7	Height of overhead guard (cabin) \blacksquare	h ₅ (mm)
	4.8	Seat height / stand height \circ	h ₆ (mm)
	4.12	Coupling height	h ₁₀ (mm)
	4.19	Overall length	l ₁ (mm)
	4.20	Length to face of forks	l ₂ (mm)
	4.21	Overall width (Standard / Wide / Dual)	b ₁ /b ₂ (mm)
	4.22	Fork dimensions	s/e/l (mm)
	4.23	Fork carriage to DIN 15173. Class, A/B	
	4.24	Fork carriage width \bullet	b ₃ (mm)
	4.31	Ground clearance, laden, below mast	m ₁ (mm)
	4.32	Ground clearance, centre of wheelbase	m ₂ (mm)
	4.34.1	Aisle width with pallets 1 000 long x 1 200 wide	Ast (mm)
	4.34.2	Aisle width with pallets 800 wide x 1 200 long	Ast (mm)
	4.35	Turning radius	W ₉ (mm)
	4.36	Internal turning radius	b ₁₃ (mm)
4.42	Step Height (from ground to running board)	(mm)	
4.43	Step Height (between intermediate steps and floor)	(mm)	

PERFORMANCE DATA	5.1	Travel speed, laden / unladen	km/h
	5.2	Lift speed, laden / unladen	m/s
	5.3	Lowering speed, laden / unladen	m/s
	5.5	Drawbar pull, laden / unladen @ 1.6 km/h	N
	5.6	Max. drawbar pull, laden / unladen	N
	5.7	Gradeability, laden / unladen @ 4.8 km/h \uparrow	%
	5.8	Max. gradeability, laden / unladen @ 1.6 km/h	%
	5.10	Service brake	

COMBUSTION ENGINE	7.1	Engine manufacturer/type	
	7.2	Engine power according to ISO 1585	KW
	7.3	Rated speed	rpm
	7.4	Number of cylinders/displacements	cm ³
	7.5	Fuel consumption according to VDI cycle	l/h or kg/h

ADDITIONAL DATA	8.1	Type of drive unit	
	10.1	Operating pressure for attachments	bar
	10.2	Oil volume for attachments	l/min
	10.7	Average noise level at operator's ear (no cab/ cab) *	dB(A)
	10.7.1	Guaranteed sound power 2001/14/EC	dB
	10.8	Towing coupling, type DIN	

HYSTER		HYSTER		HYSTER		HYSTER		HYSTER	
H4.0FT5		H4.0FT5		H4.0FT6		H4.0FT6		H4.5FTS5	
Fortens		Fortens		Fortens		Fortens		Fortens	
Kubota 3.6L		Kubota 3.6L		Kubota 3.6L		Kubota 3.6L		Kubota 3.6L	
Basic Powershift		Basic Powershift		Basic Powershift		Basic Powershift		Basic Powershift	
1-speed		2-speed		1-speed		2-speed		1-speed	
Premium Wet Brakes		Premium Wet Brakes		Premium Wet Brakes		Premium Wet Brakes		Premium Wet Brakes	
Diesel		Diesel		Diesel		Diesel		Diesel	
Seat		Seat		Seat		Seat		Seat	
4000		4000		4000		4000		4500	
522.1		522.1		522.1		522.1		522.1	
523		523		523		523		591	
1 830		1 830		1 830		1 830		1 830	

6298		6298		6672		6672		6630	
8849	1077	8849	1077	8910	1390	8910	1390	9496	1216
2923	3375	2923	3375	3003	3669	3003	3669	2829	3801

SE		SE		SE		SE		SE	
250x15		250x15		250x15		250x15		250x15	
7.00x12		7.00x12		7.00x12		7.00x12		7.00x12	
2X	2	2X	2	2X	2	2X	2	2X	2
1152		1152		1152		1152		1152	
1136		1136		1136		1136		1136	

6F		10B		6F		10B		6F		10B		6F		10B			
2175		2175		2175		2175		2175		2175		2215		2215			
100		100		100		100		100		100		2740		2740			
3000		3000		3000		3000		3000		3000		3730		3730			
3815		3815		3815		3815		3815		3815		2258		2258			
2258		2258		2258		2258		2258		2258		1159		1159			
1159		1159		1159		1159		1159		1159		429		429			
429		429		429		429		429		429		4176		4176			
3945		3945		4176		4176		4176		4176		4197		4197			
2945		2945		2976		2976		2976		2976		2997		2997			
1402	1485	1773	1402	1485	1773	1402	1485	1773	1402	1485	1773	1402	1485	1773	1402	1485	1773
50 x 120 x 1000			50 x 120 x 1000			50 x 120 x 1200			50 x 120 x 1200			60 x 150 x 1200					
IIIA			IIIA			IIIA			IIIA			IVA					
1219			1219			1219			1219			1219					
151			151			150			150			194					
194			194			194			194			194					
4292			4292			4321			4321			4341					
4492			4492			4521			4521			4541					
2570			2570			2599			2599			2619					
50			50			50			50			50					
441			441			441			441			441					
360			360			360			360			360					

20.6		21.1		24.0		24.5		20.6		21.1		24.0		24.5		20.6		21.1	
0.62		0.67		0.62		0.67		0.62		0.67		0.62		0.67		0.45		0.49	
0.55		0.47		0.55		0.47		0.55		0.47		0.55		0.47		0.51		0.42	
22800		17500		29900		17500		22700		18000		29800		18000		22700		17000	
25900		17500		35600		17500		25800		18000		35500		18000		25700		17000	
18.2		29.6		21.7		29.6		17.0		28.7		20.4		28.7		16.6		27.1	
24.6		29.6		32.8		29.6		23.1		28.7		30.8		28.7		22.0		27.1	
Hydraulic		Hydraulic		Hydraulic		Hydraulic		Hydraulic		Hydraulic		Hydraulic		Hydraulic		Hydraulic		Hydraulic	

Kubota 3.6L		Kubota 3.6L		Kubota 3.6L		Kubota 3.6L		Kubota 3.6L	
57		57		57		57		57	
2400		2400		2400		2400		2400	
4	3620	4	3620	4	3620	4	3620	4	3620
5.98		6.21		6.05		6.26		6.72	

Automatic		Automatic		Automatic		Automatic		Automatic	
155		155		155		155		155	
83.3		83.3		83.3		83.3		83.3	
80	80	80	80	80	80	80	80	80	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, manual hydraulics, overhead guard and standard pneumatic shaped solid drive and steer tyres.

HYSTER	HYSTER	HYSTER	HYSTER	HYSTER	HYSTER	HYSTER	1.1
H4.5FTS5	H4.5FT6	H4.5FT6	H5.0FT	H5.0FT	H5.5FT	H5.5FT	1.2
Fortens	Fortens	Fortens	Fortens	Fortens	Fortens	Fortens	
Kubota 3.6L	Kubota 3.6L	Kubota 3.6L	Kubota 3.6L	Kubota 3.6L	Kubota 3.6L	Kubota 3.6L	
Basic Powershift	Basic Powershift	Basic Powershift	Basic Powershift	Basic Powershift	Basic Powershift	Basic Powershift	
2-speed	1-speed	2-speed	1-speed	2-speed	1-speed	2-speed	
Premium Wet Brakes	Premium Wet Brakes	Premium Wet Brakes	Premium Wet Brakes	Premium Wet Brakes	Premium Wet Brakes	Premium Wet Brakes	
Diesel	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel	1.3
Seat	Seat	Seat	Seat	Seat	Seat	Seat	1.4
4500	4500	4500	5000	5000	5500	5500	1.5
500	600	600	600	600	600	600	1.6
522.1	590	590	590	590	590	590	1.8
1830	2100	2100	2100	2100	2100	2100	1.9

DISTINGUISHING MARKS

6630	7224	7224	7523	7523	7808	7808	2.1
9496	1216	10596	1164	10596	1164	11241	1272
2829	3801	3473	3751	3473	3751	3406	4117
11241	1272	11241	1272	11882	1370	11882	1370
3335	4474	3335	4474	3335	4474	3335	4474
							2.2
							2.3

WEIGHTS

SE	SE	SE	SE	SE	SE	SE	3.1
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	3.6
1 136	1 136	1 136	1 136	1 136	1 136	1 136	3.7

TYRES/CHASSIS

6F	10B	6F	10B	6F	10B	6F	10B	6F	10B	6F	10B	6F	10B	4.1	
2215	2215	2215	2215	2215	2215	2215	2215	2215	2215	2215	2215	2215	2215	4.2	
100	100	100	100	100	100	100	100	100	100	100	100	100	100	4.3	
2740	2740	2740	2740	2740	2740	2740	2740	2740	2740	2740	2740	2740	2740	4.4	
3730	3730	3730	3730	3730	3730	3730	3730	3730	3730	3730	3730	3730	3730	4.5	
2258	2300	2300	2300	2300	2300	2300	2300	2300	2300	2300	2300	2300	2300	4.7	
1159	1201	1201	1201	1201	1201	1201	1201	1201	1201	1201	1201	1201	1201	4.8	
429	472	472	472	472	472	472	472	472	472	472	472	472	472	4.12	
4197	4456	4456	4456	4499	4499	4499	4499	4540	4540	4540	4540	4540	4540	4.19	
2997	3256	3256	3256	3299	3299	3299	3299	3340	3340	3340	3340	3340	3340	4.20	
1402	1485	1773	1450	1575	1875	1450	1575	1875	1450	1575	1875	1450	1575	1875	4.21
60 x 150 x 1200	60 x 150 x 1200	60 x 150 x 1200	60 x 150 x 1200	60 x 150 x 1200	60 x 150 x 1200	60 x 150 x 1200	60 x 150 x 1200	60 x 150 x 1200	60 x 150 x 1200	60 x 150 x 1200	60 x 150 x 1200	60 x 150 x 1200	60 x 150 x 1200	4.22	
IVA	IVA	IVA	IVA	IVA	IVA	IVA	IVA	IVA	IVA	IVA	IVA	IVA	IVA	4.23	
1219	1219	1219	1219	1219	1219	1219	1219	1219	1219	1219	1219	1219	1219	4.24	
194	194	194	194	194	194	194	194	194	194	194	194	194	194	4.31	
194	237	237	237	237	237	237	237	237	237	237	237	237	237	4.32	
4341	4627	4627	4627	4667	4667	4667	4667	4705	4705	4705	4705	4705	4705	4.34.1	
4541	4827	4827	4827	4867	4867	4867	4867	4905	4905	4905	4905	4905	4905	4.34.2	
2619	2837	2837	2837	2877	2877	2877	2877	2915	2915	2915	2915	2915	2915	4.35	
50	131	131	131	131	131	131	131	131	131	131	131	131	131	4.36	
441	484	484	484	484	484	484	484	484	484	484	484	484	484	4.42	
360	360	360	360	360	360	360	360	360	360	360	360	360	360	4.43	

DIMENSIONS

24.3	24.8	19.3	19.6	25.3	25.7	19.3	19.6	25.3	25.7	19.3	19.6	25.3	25.7	5.1
18.7	19.0	19.3	19.6	19.3	19.8	19.3	19.6	19.3	19.8	19.3	19.6	19.3	19.8	5.2
0.45	0.49	0.45	0.49	0.45	0.49	0.45	0.49	0.45	0.49	0.45	0.49	0.45	0.49	5.3
0.51	0.42	0.51	0.42	0.51	0.42	0.51	0.42	0.51	0.42	0.51	0.42	0.51	0.42	5.5
29400	17000	24000	21300	28300	21300	23900	20900	28100	20900	23700	20600	28000	20600	5.6
19.8	27.1	15.7	31.5	17.5	31.5	14.6	29.6	16.3	29.6	13.7	27.9	15.3	27.9	5.7
5.7	4.7	5.7	4.8	5.9	4.8	5.7	4.8	6.0	4.9	5.9	4.9	6.2	5.0	5.8
Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	5.10

PERFORMANCE DATA

Kubota 3.6L	Kubota 3.6L	Kubota 3.6L	Kubota 3.6L	Kubota 3.6L	Kubota 3.6L	Kubota 3.6L	7.1
57	57	57	57	57	57	57	7.2
2400	2400	2400	2400	2400	2400	2400	7.3
4	3620	4	3620	4	3620	4	3620
6.72	7.22	7.06	7.93	7.55	8.63	8.02	7.5

COMBUSTION ENGINE

Automatic	Automatic	Automatic	Automatic	Automatic	Automatic	Automatic	8.1
155	155	155	155	155	155	155	10.1
83.3	83.3	83.3	83.3	83.3	83.3	83.3	10.2
80	80	80	80	80	80	80	10.7
105	105	105	105	105	105	105	10.7.1
Pin	Pin	Pin	Pin	Pin	Pin	Pin	10.8

ADDITIONAL DATA

The Kubota V3600 Diesel engine is only available in territories with category 1 diesel fuel, which contains sulphur levels of over 500ppm. This engine is not compatible with (<500ppm) or Ultra-Low (<15ppm) sulphur diesel fuel.

FORTENS ADVANCE (1-SPEED) H4.0FT, H4.5FT, H5.0FT, H5.5FT

DISTINGUISHING MARKS	1.1	Manufacturer							
	1.2	Manufacturer's type designation							
		Model							
		Engine							
		Transmission							
		Brake Type							
	1.3	Drive: electric (battery or mains), diesel, petrol, fuel gas							
	1.4	Operator type: hand, pedestrian, standing, seated, order-picker							
	1.5	Rated capacity / rated load	Q (kg)						
	1.6	Load centre distance	c (mm)						
1.8	Load distance, centre of drive axle to fork	x (mm)							
1.9	Wheelbase	y (mm)							

WEIGHTS	2.1	Service weight	kg						
	2.2	Axle loading, laden front / rear	kg						
	2.3	Axle loading, unladen front / rear	kg						

TYRES/CHASSIS	3.1	Tyres: L = pneumatic, V = cushion, SE = Pneumatic Shape Solid							
	3.2	Tyre size, front							
	3.3	Tyre size, rear							
	3.5	Wheels, number front / rear (x = driven wheels)							
	3.6	Tread, front	b ₁₀ (mm)						
	3.7	Tread, rear	b ₁₁ (mm)						

DIMENSIONS	4.1	Tilt of mast / fork carriage forward / backward	α / β (°)						
	4.2	Height, mast lowered	h ₁ (mm)						
	4.3	Free lift †	h ₂ (mm)						
	4.4	Lift †	h ₃ (mm)						
	4.5	Height of mast, extended †	h ₄ (mm)						
	4.7	Height of overhead guard (cabin) ■	h ₆ (mm)						
	4.8	Seat height / stand height ○	h ₇ (mm)						
	4.12	Coupling height	h ₁₀ (mm)						
	4.19	Overall length	l ₁ (mm)						
	4.20	Length to face of forks	l ₂ (mm)						
	4.21	Overall width, standard/wide/dual drive	b ₁ /b ₂ (mm)						
	4.22	Fork dimensions	s/e/l (mm)						
	4.23	Fork carriage DIN 15173. Class, A/B							
	4.24	Fork carriage width ●	b ₃ (mm)						
	4.31	Ground clearance, laden, below mast	m ₁ (mm)						
	4.32	Ground clearance, centre of wheelbase	m ₂ (mm)						
	4.33	Aisle width with pallets 1 000 mm long x 1 200 mm wide	Ast (mm)						
	4.34	Aisle width with pallets 800 mm wide x 1 200 mm long	Ast (mm)						
	4.35	Turning radius	W ₁ (mm)						
	4.36	Internal turning radius	b ₁₃ (mm)						
	4.42	Step Height (from ground to running board)	(mm)						
	4.43	Step Height (between intermediate steps and floor)	(mm)						

PERFORMANCE DATA	5.1	Travel speed, laden / unladen	km/h						
	5.2	Lift speed, laden / unladen	m/s						
	5.3	Lowering speed, laden / unladen	m/s						
	5.5	Drawbar pull, laden / unladen @ 1.6 km/h	N						
	5.6	Max. drawbar pull, laden / unladen	N						
	5.7	Gradeability, laden / unladen @ 4.8 km/h †	%						
	5.8	Max. gradeability, laden / unladen @ 1.6 km/h †	%						
	5.10	Service brake							

COMBUSTION ENGINE	7.1	Engine manufacturer/type ◆							
	7.2	Engine power according to ISO 1585	KW						
	7.3	Rated speed	rpm						
	7.4	Number of cylinders/displacements	cm ³						
	7.5	Fuel consumption according to VDI cycle	l/h or kg/h						

ADDITIONAL DATA	8.1	Type of drive unit							
	10.1	Operating pressure for attachments	bar						
	10.2	Oil volume for attachments	l/min						
	10.7	Average noise level at operator's ear (no cab/ cab) *	dB(A)						
	10.7.1	Guaranteed sound power 2001/14/EC	dB						
	10.8	Towing coupling, type DIN							

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	1.1
H4.5FT5	H4.5FT6	H4.5FT6	H5.0FT	H5.0FT	H5.5FT	H5.5FT	1.2
Fortens Advance	Fortens Advance	Fortens Advance	Fortens Advance	Fortens Advance	Fortens Advance	Fortens Advance	
GM 4.3L	Kubota 3.8L	GM 4.3L	Kubota 3.8L	GM 4.3L	Kubota 3.8L	GM 4.3L	
Duramatch	Duramatch	Duramatch	Duramatch	Duramatch	Duramatch	Duramatch	
Standard Wet Brakes	Premium Wet Brakes	Standard Wet Brakes	Premium Wet Brakes	Standard Wet Brakes	Premium Wet Brakes	Standard Wet Brakes	
LPG	Diesel	LPG	Diesel	LPG	Diesel	LPG	1.3
Seat	Seat	Seat	Seat	Seat	Seat	Seat	1.4
4500	4500	4500	5000	5000	5500	5500	1.5
500	600	600	600	600	600	600	1.6
522.1	590	590	590	590	590	590	1.8
1830	2100	2100	2100	2100	2100	2100	1.9

DISTINGUISHING MARKS

6368	7224	6939	7523	7244	7808	7529	2.1							
9095	1356	10596	1164	10265	1210	11241	1272	10913	1320	11882	1370	11555	1417	2.2
2526	3842	3473	3751	3152	3787	3406	4117	3089	4155	3335	4474	3016	4513	2.3

WEIGHTS

SE	SE	SE	SE	SE	SE	SE	3.1
250 x 15	300 x 15	300 x 15	300 x 15	300 x 15	300 x 15	300 x 15	3.2
7.00x12	28x9-15	28x9-15	28x9-15	28x9-15	28x9-15	28x9-15	3.3
2X 2	2X 2	2X 2	2X 2	2X 2	2X 2	2X 2	3.5
1152	1150	1150	1150	1150	1150	1150	3.6
1136	1136	1136	1136	1136	1136	1136	3.7

TYRES/CHASSIS

6F	10B	6F	10B	6F	10B	6F	10B	6F	10B	6F	10B	6F	10B	4.1	
2215	2215	2215	2215	2215	2215	2215	2215	2215	2215	2215	2215	2215	2215	4.2	
100	100	100	100	100	100	100	100	100	100	100	100	100	100	4.3	
2740	2740	2740	2740	2740	2740	2740	2740	2740	2740	2740	2740	2740	2740	4.4	
3730	3730	3730	3730	3730	3730	3730	3730	3730	3730	3730	3730	3730	3730	4.5	
2258	2300	2300	2300	2300	2300	2300	2300	2300	2300	2300	2300	2300	2300	4.7	
1159	1201	1201	1201	1201	1201	1201	1201	1201	1201	1201	1201	1201	1201	4.8	
429	472	472	472	472	472	472	472	472	472	472	472	472	472	4.12	
4197	4456	4456	4456	4499	4499	4499	4499	4540	4540	4540	4540	4540	4540	4.19	
2997	3256	3256	3256	3299	3299	3299	3299	3340	3340	3340	3340	3340	3340	4.20	
1402	1485	1773	1450	1575	1875	1450	1575	1875	1450	1575	1875	1450	1575	1875	4.21
60 x 150 x 1 200	60 x 150 x 1 200	60 x 150 x 1 200	60 x 150 x 1 200	60 x 150 x 1 200	60 x 150 x 1 200	60 x 150 x 1 200	60 x 150 x 1 200	60 x 150 x 1 200	60 x 150 x 1 200	60 x 150 x 1 200	60 x 150 x 1 200	60 x 150 x 1 200	60 x 150 x 1 200	4.22	
IVA	IVA	IVA	IVA	IVA	IVA	IVA	IVA	IVA	IVA	IVA	IVA	IVA	IVA	4.23	
1219	1219	1219	1219	1219	1219	1219	1219	1219	1219	1219	1219	1219	1219	4.24	
194	194	194	194	194	194	194	194	194	194	194	194	194	194	4.31	
194	237	237	237	237	237	237	237	237	237	237	237	237	237	4.32	
4341	4627	4627	4627	4667	4667	4667	4667	4705	4705	4705	4705	4705	4705	4.33	
4541	4827	4827	4827	4867	4867	4867	4867	4905	4905	4905	4905	4905	4905	4.34	
2619	2837	2837	2837	2877	2877	2877	2877	2915	2915	2915	2915	2915	2915	4.35	
50	131	131	131	131	131	131	131	131	131	131	131	131	131	4.36	
441	484	484	484	484	484	484	484	484	484	484	484	484	484	4.42	
360	360	360	360	360	360	360	360	360	360	360	360	360	360	4.43	

DIMENSIONS

18.7	19.5	18.1	18.4	18.2	18.5	18.1	18.4	18.2	18.5	18.1	18.4	18.2	18.5	5.1
0.48	0.49	0.45	0.46	0.48	0.49	0.45	0.46	0.48	0.49	0.45	0.46	0.48	0.49	5.2
0.51	0.42	0.51	0.42	0.51	0.42	0.51	0.42	0.51	0.42	0.51	0.42	0.51	0.42	5.3
24300	17000	25700	21300	24500	21300	25600	20900	24400	20900	25500	20600	24200	20600	5.5
27500	16300	29200	21300	28100	20200	29100	20900	28000	20000	29000	20600	28000	19700	5.6
19.0	27.1	17.1	31.5	17.5	31.1	15.9	26.6	16.3	29.4	14.9	27.9	16.5	27.7	5.7
24.8	27.1	23.3	31.5	22.9	31.1	21.7	29.6	21.3	29.4	20.3	27.9	21.7	27.7	5.9
Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	5.10

PERFORMANCE DATA

GM 4.3L	Kubota 3.8L	GM 4.3L	Kubota 3.8L	GM 4.3L	Kubota 3.8L	GM 4.3L	7.1							
77	55	77	55	77	55	77	7.2							
2400	2200	2400	2200	2400	2200	2400	7.3							
6	4302	4	3769	6	4302	4	3769	6	4302	4	3769	6	4302	7.4
5.25	5.21	5.33	5.90	5.54	6.56	5.76	7.5							

COMBUSTION ENGINE

Automatic	Automatic	Automatic	Automatic	Automatic	Automatic	Automatic	8.1					
155	155	155	155	155	155	155	10.1					
83.3	83.3	83.3	83.3	83.3	83.3	83.3	10.2					
82	80	79	79	80	80	79	79	80	80	80	80	10.7
105	104	105	104	105	104	105	10.7.1					
Pin	Pin	Pin	Pin	Pin	Pin	Pin	10.8					

ADDITIONAL DATA

FORTENS ADVANCE (2-SPEED) H4.0FT, H4.5FT, H5.0FT, H5.5FT

DISTINGUISHING MARKS	1.1	Manufacturer	
	1.2	Manufacturer's type designation	
		Model	
		Engine	
		Transmission	
		Brake Type	
	1.3	Drive: electric (battery or mains), diesel, petrol, fuel gas	
	1.4	Operator type: hand, pedestrian, standing, seated, order-picker	
	1.5	Rated capacity / rated load	Q (kg)
1.6	Load centre distance	c (mm)	
1.8	Load distance, centre of drive axle to fork	x (mm)	
1.9	Wheelbase	y (mm)	

WEIGHTS	2.1	Service weight	kg
	2.2	Axle loading, laden front/rear	kg
	2.3	Axle loading, unladen front/rear	kg

TYRES/CHASSIS	3.1	Tyres: L = pneumatic, V = cushion, SE = Pneumatic Shape Solid	
	3.2	Tyre size, front	
	3.3	Tyre size, rear	
	3.5	Wheels, number front / rear (x = driven wheels)	
	3.6	Tread, front	b ₁₀ (mm)
	3.7	Tread, rear	b ₁₁ (mm)

DIMENSIONS	4.1	Tilt of mast / fork carriage forward / backward	α / β (°)
	4.2	Height, mast lowered	h ₁ (mm)
	4.3	Free lift \uparrow	h ₂ (mm)
	4.4	Lift \uparrow	h ₃ (mm)
	4.5	Height of mast, extended \blacklozenge	h ₄ (mm)
	4.7	Height of overhead guard (cabin) \blacksquare	h ₅ (mm)
	4.8	Seat height / stand height \circ	h ₆ (mm)
	4.12	Coupling height	h ₁₀ (mm)
	4.19	Overall length	l ₁ (mm)
	4.20	Length to face of forks	l ₂ (mm)
	4.21	Overall width, standard/wide/dual drive	b ₁ /b ₂ (mm)
	4.22	Fork dimensions	s/e/l (mm)
	4.23	Fork carriage DIN 15173. Class, A/B	
	4.24	Fork carriage width \bullet	b ₃ (mm)
	4.31	Ground clearance, laden, below mast	m ₁ (mm)
4.32	Ground clearance, centre of wheelbase	m ₂ (mm)	
4.33	Aisle width with pallets 1 000 long x 1 200 wide	Ast (mm)	
4.34	Aisle width with pallets 800 wide x 1 200 long	Ast (mm)	
4.35	Turning radius	W _a (mm)	
4.36	Internal turning radius	b ₁₃ (mm)	
4.42	Step Height (from ground to running board)	(mm)	
4.43	Step Height (between intermediate steps and floor)	(mm)	

PERFORMANCE DATA	5.1	Travel speed, laden / unladen	km/h
	5.2	Lift speed, laden / unladen	m/s
	5.3	Lowering speed, laden / unladen	m/s
	5.5	Drawbar pull, laden / unladen @ 1.6 km/h	N
	5.6	Max. drawbar pull, laden / unladen	N
	5.7	Gradeability, laden / unladen @ 4.8 km/h \uparrow	%
	5.8	Max. gradeability, laden / unladen @ 1.6 km/h \uparrow	%
5.10	Service brake		

COMBUSTION ENGINE	7.1	Engine manufacturer/type \blacklozenge	
	7.2	Engine power according to ISO 1585	KW
	7.3	Rated speed	rpm
	7.4	Number of cylinders/displacements	cm ³
	7.5	Fuel consumption according to VDI cycle	l/h or kg/h

ADDITIONAL DATA	8.1	Type of drive unit	
	10.1	Operating pressure for attachments	bar
	10.2	Oil volume for attachments	l/min
	10.7	Average noise level at operator's ear (no cab/ cab) *	dB(A)
	10.7.1	Guaranteed sound power 2001/14/EC	dB
	10.8	Towing coupling, type DIN	

HYSTER		HYSTER		HYSTER		HYSTER		HYSTER	
H4.0FT5		H4.0FT5		H4.0FT6		H4.0FT6		H4.5FTS5	
Fortens Advance		Fortens Advance		Fortens Advance		Fortens Advance		Fortens Advance	
Kubota 3.8L		GM 4.3L		Kubota 3.8L		GM 4.3L		Kubota 3.8L	
DuraMatch 2		DuraMatch 2		DuraMatch 2		DuraMatch 2		DuraMatch 2	
Standard or Premium Wet Brakes		Standard or Premium Wet Brakes		Standard or Premium Wet Brakes		Standard or Premium Wet Brakes		Standard or Premium Wet Brakes	
Diesel		LPG		Diesel		LPG		Diesel	
Seat		Seat		Seat		Seat		Seat	
4000		4000		4000		4000		4500	
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	

6 298		6 033		6 672		6 243		6 630	
8 849	1 077	8 464	1 198	8 910	1 390	8 999	1 243	9 496	1 216
2 923	3 375	2 603	3 429	3 003	3 669	2 561	3 682	2 829	3 801

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	

6F		10B		6F		10B		6F		10B		6F		10B	
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 x 120 x 1 000			50 x 120 x 1 000			50 x 120 x 1 200			50 x 120 x 1 200			60 x 150 x 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	
4292		4292		4321		4321		4321		4321		4341		4341	
4492		4492		4521		4521		4521		4521		4541		4541	
2570		2570		2599		2599		2599		2599		2619		2619	
50		50		50		50		50		50		50		50	
441		441		441		441		441		441		441		441	
360		360		360		360		360		360		360		360	

22.4	22.9	23.3	24.4	22.4	22.9	23.3	24.4	22.4	22.9
0.62	0.63	0.61	0.63	0.62	0.63	0.61	0.63	0.45	0.46
0.55	0.47	0.55	0.47	0.55	0.47	0.55	0.47	0.51	0.42
32000	17500	29000	17500	31900	18000	28900	18000	31900	17000
37800	17500	33500	16800	37700	18000	33400	16500	37700	17000
23.8	29.6	23.4	29.6	22.4	28.7	21.8	28.1	21.8	27.1
35.5	29.6	32.7	29.6	33.3	28.7	30.5	28.1	32.4	27.1
Hydraulic		Hydraulic		Hydraulic		Hydraulic		Hydraulic	

Kubota 3.8L		GM 4.3L		Kubota 3.8L		GM 4.3L		Kubota 3.8L	
55		77		55		77		55	
2200		2400		2200		2400		2200	
4	3769	6	4302	4	3769	6	4302	4	3769
4.18		5.21		4.23		5.29		4.73	

Automatic		Automatic		Automatic		Automatic		Automatic	
155		155		155		155		155	
83.3		83.3		83.3		83.3		83.3	
79	79	82	80	79	79	82	80	79	79
104		105		104		105		104	
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	1.1
H4.5FTS5	H4.5FT6	H4.5FT6	H5.0FT	H5.0FT	H5.5FT	H5.5FT	1.2
Fortens Advance	Fortens Advance	Fortens Advance	Fortens Advance	Fortens Advance	Fortens Advance	Fortens Advance	
GM 4.3L	Kubota 3.8L	GM 4.3L	Kubota 3.8L	GM 4.3L	Kubota 3.8L	GM 4.3L	
Duramatch 2	Duramatch 2	Duramatch 2	Duramatch 2	Duramatch 2	Duramatch 2	Duramatch 2	
Standard or Premium Wet Brakes	Premium Wet Brakes	Premium Wet Brakes	Premium Wet Brakes	Premium Wet Brakes	Premium Wet Brakes	Premium Wet Brakes	
LPG	Diesel	LPG	Diesel	LPG	Diesel	LPG	1.3
Seat	Seat	Seat	Seat	Seat	Seat	Seat	1.4
4500	4500	4500	5000	5000	5500	5500	1.5
500	600	600	600	600	600	600	1.6
522.1	590	590	590	590	590	590	1.8
1830	2100	2100	2100	2100	2100	2100	1.9

DISTINGUISHING MARKS

6368	7224	6939	7523	7244	7808	7529	2.1
9095	1356	10596	1164	10265	1210	11241	1272
10913	1320	11882	1370	11555	1417	3089	4155
3335	4474	3016	4513				2.2
2526	3842	3473	3751	3152	3787	3406	4117
							2.3

WEIGHTS

SE	SE	SE	SE	SE	SE	SE	3.1
250 x 15	300 x 15	300 x 15	300 x 15	300 x 15	300 x 15	300 x 15	3.2
7.00x12	28x9-15	28x9-15	28x9-15	28x9-15	28x9-15	28x9-15	3.3
2X	2	2X	2	2X	2	2X	2
1152	1150	1150	1150	1150	1150	1150	3.6
1136	1136	1136	1136	1136	1136	1136	3.7

TYRES/CHASSIS

6F	10B	6F	10B	6F	10B	6F	10B	6F	10B	6F	10B	6F	10B	4.1	
2215	2215	2215	2215	2215	2215	2215	2215	2215	2215	2215	2215	2215	2215	4.2	
100	100	100	100	100	100	100	100	100	100	100	100	100	100	4.3	
2740	2740	2740	2740	2740	2740	2740	2740	2740	2740	2740	2740	2740	2740	4.4	
3730	3730	3730	3730	3730	3730	3730	3730	3730	3730	3730	3730	3730	3730	4.5	
2258	2300	2300	2300	2300	2300	2300	2300	2300	2300	2300	2300	2300	2300	4.7	
1159	1201	1201	1201	1201	1201	1201	1201	1201	1201	1201	1201	1201	1201	4.8	
429	472	472	472	472	472	472	472	472	472	472	472	472	472	4.12	
4197	4456	4456	4456	4499	4499	4499	4499	4540	4540	4540	4540	4540	4540	4.19	
2997	3256	3256	3256	3299	3299	3299	3299	3340	3340	3340	3340	3340	3340	4.20	
1402	1485	1773	1450	1575	1875	1450	1575	1875	1450	1575	1875	1450	1575	1875	4.21
60 x 150 x 1 200	60 x 150 x 1 200	60 x 150 x 1 200	60 x 150 x 1 200	60 x 150 x 1 200	60 x 150 x 1 200	60 x 150 x 1 200	60 x 150 x 1 200	60 x 150 x 1 200	60 x 150 x 1 200	60 x 150 x 1 200	60 x 150 x 1 200	60 x 150 x 1 200	60 x 150 x 1 200	4.22	
IVA	IVA	IVA	IVA	IVA	IVA	IVA	IVA	IVA	IVA	IVA	IVA	IVA	IVA	4.23	
1219	1219	1219	1219	1219	1219	1219	1219	1219	1219	1219	1219	1219	1219	4.24	
194	194	194	194	194	194	194	194	194	194	194	194	194	194	4.31	
194	237	237	237	237	237	237	237	237	237	237	237	237	237	4.32	
4341	4627	4627	4627	4667	4667	4667	4667	4705	4705	4705	4705	4705	4705	4.33	
4541	4827	4827	4827	4867	4867	4867	4867	4905	4905	4905	4905	4905	4905	4.34	
2619	2837	2837	2837	2877	2877	2877	2877	2915	2915	2915	2915	2915	2915	4.35	
50	131	131	131	131	131	131	131	131	131	131	131	131	131	4.36	
441	484	484	484	484	484	484	484	484	484	484	484	484	484	4.42	
360	360	360	360	360	360	360	360	360	360	360	360	360	360	4.43	

DIMENSIONS

23.3	24.4	23.7	24.1	22.7	23.2	23.7	24.1	22.7	23.2	23.7	24.1	22.7	23.2	5.1
0.48	0.49	0.45	0.46	0.48	0.49	0.45	0.46	0.48	0.49	0.45	0.46	0.48	0.49	5.2
0.51	0.42	0.51	0.42	0.51	0.42	0.51	0.42	0.51	0.42	0.51	0.42	0.51	0.42	5.3
28800	17000	30300	21300	29100	21300	30200	20900	29000	20900	30100	20600	28800	20600	5.5
33400	16300	35500	21300	34100	20200	35400	20900	34000	20000	35200	20600	34000	19700	5.6
21.8	27.1	19.2	31.5	19.6	31.1	17.8	29.6	18.3	29.4	16.7	27.9	18.6	27.7	5.7
29.8	27.1	27.7	31.5	27.5	31.1	25.8	29.6	25.5	29.4	24.2	27.9	26.1	27.7	5.8
Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	5.10

PERFORMANCE DATA

GM 4.3L	Kubota 3.8L	GM 4.3L	Kubota 3.8L	GM 4.3L	Kubota 3.8L	GM 4.3L	7.1
77	55	77	55	77	55	77	7.2
2400	2200	2400	2200	2400	2200	2400	7.3
6	4302	4	3769	6	4302	4	3769
5.55	5.08	5.67	5.57	5.90	6.04	6.20	7.5

COMBUSTION ENGINE

Automatic	Automatic	Automatic	Automatic	Automatic	Automatic	Automatic	8.1
155	155	155	155	155	155	155	10.1
83.3	83.3	83.3	83.3	83.3	83.3	83.3	10.2
82	80	79	79	80	80	79	79
105	104	105	104	105	104	105	10.7.1
Pin	Pin	Pin	Pin	Pin	Pin	Pin	10.8

ADDITIONAL DATA

FORTENS ADVANCE+ H4.0FT, H4.5FT, H5.0FT, H5.5FT

DISTINGUISHING MARKS	1.1	Manufacturer								
	1.2	Manufacturer's type designation								
		Model								
		Engine								
		Transmission								
		Brake Type								
	1.3	Drive: electric (battery or mains), diesel, petrol, fuel gas								
	1.4	Operator type: hand, pedestrian, standing, seated, order-picker								
	1.5	Rated capacity / rated load	Q (kg)							
	1.6	Load centre distance	c (mm)							
1.8	Load distance, centre of drive axle to fork	x (mm)								
1.9	Wheelbase	y (mm)								
WEIGHTS	2.1	Service weight	kg							
	2.2	Axle loading, laden front/rear	kg							
	2.3	Axle loading, unladen front/rear	kg							
TYRES/CHASSIS	3.1	Tyres: L = pneumatic, V = cushion, SE = Pneumatic Shape Solid								
	3.2	Tyre size, front								
	3.3	Tyre size, rear								
	3.5	Wheels, number front / rear (x = driven wheels)								
	3.6	Tread, front	b ₁₀ (mm)							
	3.7	Tread, rear	b ₁₁ (mm)							
	DIMENSIONS	4.1	Tilt of mast / fork carriage forward / backward	α / β (°)						
4.2		Height, mast lowered	h ₁ (mm)							
4.3		Free lift †	h ₂ (mm)							
4.4		Lift †	h ₃ (mm)							
4.5		Height of mast, extended †	h ₄ (mm)							
4.7		Height of overhead guard (cabin) ■	h ₆ (mm)							
4.8		Seat height / stand height ○	h ₇ (mm)							
4.12		Coupling height	h ₁₀ (mm)							
4.19		Overall length	l ₁ (mm)							
4.20		Length to face of forks	l ₂ (mm)							
4.21		Overall width, standard/wide/dual drive	b ₁ /b ₂ (mm)							
4.22		Fork dimensions	s/e/l (mm)							
4.23		Fork carriage DIN 15173. Class, A/B								
4.24		Fork carriage width ●	b ₃ (mm)							
4.31		Ground clearance, laden, below mast	m ₁ (mm)							
4.32		Ground clearance, centre of wheelbase	m ₂ (mm)							
4.33		Aisle width with pallets 1 000 long x 1 200 wide	Ast (mm)							
4.34		Aisle width with pallets 800 wide x 1 200 long	Ast (mm)							
4.35		Turning radius	Wa (mm)							
4.36		Internal turning radius	b13 (mm)							
4.42		Step Height (from ground to running board)	(mm)							
4.43		Step Height (between intermediate steps and floor)	(mm)							
PERFORMANCE DATA		5.1	Travel speed, laden / unladen	km/h						
	5.2	Lift speed, laden / unladen	m/s							
	5.3	Lowering speed, laden / unladen	m/s							
	5.5	Drawbar pull, laden / unladen @ 1.6 km/h	N							
	5.6	Max. drawbar pull, laden / unladen	N							
	5.7	Gradeability, laden / unladen @ 4.8 km/h †	%							
	5.8	Max. gradeability, laden / unladen @ 1.6 km/h †	%							
	5.10	Service brake								
	COMBUSTION ENGINE	7.1	Engine manufacturer / type ◆							
		7.2	Engine power according to ISO 1585	KW						
7.3		Rated speed	rpm							
7.4		Number of cylinders / displacements	cm ³							
7.5		Fuel consumption according to VDI cycle	l/h or kg/h							
ADDITIONAL DATA	8.1	Type of drive unit								
	10.1	Operating pressure for attachments	bar							
	10.2	Oil volume for attachments	l/min							
	10.7	Average noise level at operator's ear (no cab/ cab) *	dB(A)							
	10.7.1	Guaranteed sound power 2001/14/EC	dB							
	10.8	Towing coupling, type DIN								

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	1.1
H4.5FT5	H4.5FT6	H4.5FT6	H5.0FT	H5.0FT	H5.5FT	H5.5FT	1.2
Fortens Advance +	Fortens Advance +	Fortens Advance +	Fortens Advance +	Fortens Advance +	Fortens Advance +	Fortens Advance +	
GM 4.3L	Kubota 3.8L	GM 4.3L	Kubota 3.8L	GM 4.3L	Kubota 3.8L	GM 4.3L	
Duramatch Plus2	Duramatch Plus2	Duramatch Plus2	Duramatch Plus2	Duramatch Plus2	Duramatch Plus2	Duramatch Plus2	
Premium Wet Brakes	Premium Wet Brakes	Premium Wet Brakes	Premium Wet Brakes	Premium Wet Brakes	Premium Wet Brakes	Premium Wet Brakes	
LPG	Diesel	LPG	Diesel	LPG	Diesel	LPG	1.3
Seat	Seat	Seat	Seat	Seat	Seat	Seat	1.4
4500	4500	4500	5000	5000	5500	5500	1.5
500	600	600	600	600	600	600	1.6
522.1	590	590	590	590	590	590	1.8
1830	2100	2100	2100	2100	2100	2100	1.9

DISTINGUISHING MARKS

6368	7224	6939	7523	7244	7808	7529	2.1							
9095	1356	10596	1164	10265	1210	11241	1272	10913	1320	11882	1370	11555	1417	2.2
2526	3842	3473	3751	3152	3787	3406	4117	3089	4155	3335	4474	3016	4513	2.3

WEIGHTS

SE	SE	SE	SE	SE	SE	SE	3.1
250 x 15	300 x 15	300 x 15	300 x 15	300 x 15	300 x 15	300 x 15	3.2
7.00x12	28x9-15	28x9-15	28x9-15	28x9-15	28x9-15	28x9-15	3.3
2X 2	2X 2	2X 2	2X 2	2X 2	2X 2	2X 2	3.5
1152	1150	1150	1150	1150	1150	1150	3.6
1136	1136	1136	1136	1136	1136	1136	3.7

TYRES/CHASSIS

6F	10B	6F	10B	6F	10B	6F	10B	6F	10B	6F	10B	6F	10B	4.1	
2215	2215	2215	2215	2215	2215	2215	2215	2215	2215	2215	2215	2215	2215	4.2	
100	100	100	100	100	100	100	100	100	100	100	100	100	100	4.3	
2740	2740	2740	2740	2740	2740	2740	2740	2740	2740	2740	2740	2740	2740	4.4	
3730	3730	3730	3730	3730	3730	3730	3730	3730	3730	3730	3730	3730	3730	4.5	
2258	2300	2300	2300	2300	2300	2300	2300	2300	2300	2300	2300	2300	2300	4.7	
1159	1201	1201	1201	1201	1201	1201	1201	1201	1201	1201	1201	1201	1201	4.8	
429	472	472	472	472	472	472	472	472	472	472	472	472	472	4.12	
4197	4456	4456	4456	4499	4499	4499	4499	4540	4540	4540	4540	4540	4540	4.19	
2997	3256	3256	3256	3299	3299	3299	3299	3340	3340	3340	3340	3340	3340	4.20	
1402	1485	1773	1450	1575	1875	1450	1575	1875	1450	1575	1875	1450	1575	1875	4.21
60 x 150 x 1 200	60 x 150 x 1 200	60 x 150 x 1 200	60 x 150 x 1 200	60 x 150 x 1 200	60 x 150 x 1 200	60 x 150 x 1 200	60 x 150 x 1 200	60 x 150 x 1 200	60 x 150 x 1 200	60 x 150 x 1 200	60 x 150 x 1 200	60 x 150 x 1 200	60 x 150 x 1 200	4.22	
IVA	IVA	IVA	IVA	IVA	IVA	IVA	IVA	IVA	IVA	IVA	IVA	IVA	IVA	4.23	
1219	1219	1219	1219	1219	1219	1219	1219	1219	1219	1219	1219	1219	1219	4.24	
194	194	194	194	194	194	194	194	194	194	194	194	194	194	4.31	
194	237	237	237	237	237	237	237	237	237	237	237	237	237	4.32	
4341	4627	4627	4627	4667	4667	4667	4667	4705	4705	4705	4705	4705	4705	4.33	
4541	4827	4827	4827	4867	4867	4867	4867	4905	4905	4905	4905	4905	4905	4.34	
2619	2837	2837	2837	2877	2877	2877	2877	2915	2915	2915	2915	2915	2915	4.35	
50	131	131	131	131	131	131	131	131	131	131	131	131	131	4.36	
441	484	484	484	484	484	484	484	484	484	484	484	484	484	4.42	
360	360	360	360	360	360	360	360	360	360	360	360	360	360	4.43	

DIMENSIONS

21.8	22.8	21.2	21.7	22.7	23.2	21.2	21.7	22.7	23.2	21.2	21.7	22.7	23.2	5.1
0.48	0.49	0.45	0.46	0.48	0.49	0.45	0.46	0.48	0.49	0.45	0.46	0.48	0.49	5.2
0.51	0.42	0.51	0.42	0.51	0.42	0.51	0.42	0.51	0.42	0.51	0.42	0.51	0.42	5.3
29800	17000	25800	21300	25800	21300	25800	20900	25800	20900	25800	20600	25800	20600	5.5
44100	16300	25800	21300	39400	20200	25800	20900	39400	20000	25800	20600	39400	19700	5.6
24.4	27.1	20.1	31.5	21.7	31.1	18.7	29.6	20.1	29.4	17.5	27.9	20.4	27.7	5.7
38.2	27.1	23.4	31.5	30.1	31.1	21.9	29.6	28.1	29.4	20.6	27.9	28.5	27.7	5.8
Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	5.10

PERFORMANCE DATA

GM 4.3L	Kubota 3.8L	GM 4.3L	Kubota 3.8L	GM 4.3L	Kubota 3.8L	GM 4.3L	7.1	
77	55	77	55	77	55	77	7.2	
2400	2200	2400	2200	2400	2200	2400	7.3	
6	4302	4	3769	6	4302	4	3769	7.4
TBA	TBA	TBA	TBA	TBA	TBA	TBA	7.5	

COMBUSTION ENGINE

Automatic	Automatic	Automatic	Automatic	Automatic	Automatic	Automatic	8.1	
155	155	155	155	155	155	155	10.1	
83.3	83.3	83.3	83.3	83.3	83.3	83.3	10.2	
82	80	79	79	80	80	79	79	10.7
105	104	105	104	105	104	105	105	10.7.1
Pin	Pin	Pin	Pin	Pin	Pin	Pin	10.8	

ADDITIONAL DATA

MAST AND CAPACITY 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 H4.5FT55-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 ▽
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	4 415	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

	Maximum fork height (mm)	Pneumatic Shaped Solid Tyres			
		Without sideshift		Without sideshift	
		H4.0FT5 (a)	H4.0T6 (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	3 810
	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

	Maximum fork height (mm)	Michelin (Radial) Tyres			
		Without sideshift		Without sideshift	
		H4.0FT5 (a)	H4.0T6 (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 ✖

H4.5FT55-H5.5FT - Capacity chart in kg @ 500 mm (a) or 600 mm (b) load centre

	Maximum fork height (mm)	Pneumatic Shaped Solid Tyres								
		Without sideshift		Without sideshift		Maximum fork height (mm)	With integral sideshift		With integral sideshift	
		H4.5FT5 (a)	H4.0T6 (b)	H4.0FT5 (a)	H4.0FT6 (b)		H4.0FT5 (a)	H4.0FT6 (b)	H4.0FT5 (a)	H4.0FT6 (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

H4.5FT55-H5.5FT - Capacity chart in kg @ 500 mm (a) or 600 mm (b) load centre

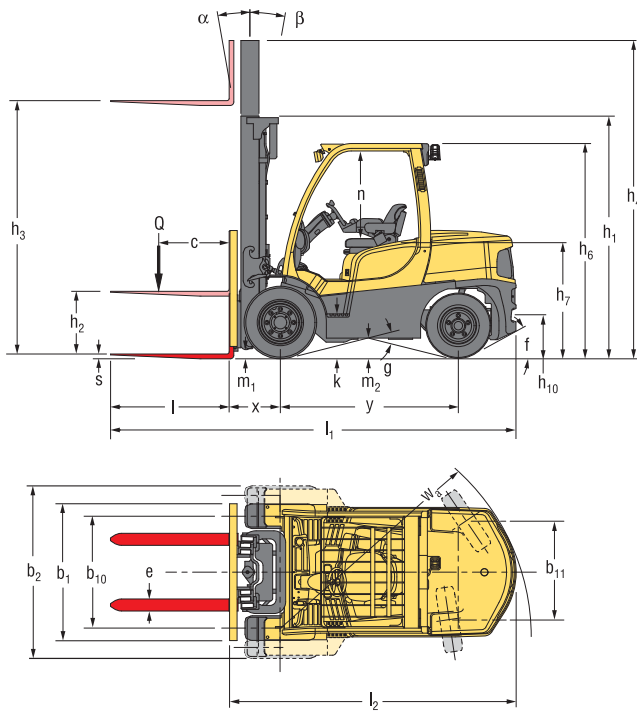
	Maximum fork height (mm)	Michelin (Radial) Tyres								
		Without sideshift		Without sideshift		Maximum fork height (mm)	With integral sideshift		With integral sideshift	
		H4.5FT5 (a)	H4.5FT6 (b)	H5.0FT (b)	H5.5FT (b)		H4.5FT5 (a)	H4.5FT6 (b)	H5.0FT (b)	H5.5FT (b)
2-Stage Limited Free Lift	2 800	4 500	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 ✖

NOTES

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

$Ast = W_a + x + l_g + a$ (see lines 4.34.1 & 4.34.2)

a = Minimum operating clearance

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

l_g = Load length

NOTE:

Values shown are for standard equipment. When using non-standard equipment, these values may change. Please contact your Hyster dealer for information. Specifications are affected by the condition of the vehicle and how it is equipped, as well as the nature and condition of the operating area. If these specifications are critical, the proposed application should be discussed with your dealer.

- ¶ Top of forks
- ◆ Without load backrest
- h_g subject to +/- 5 mm tolerance.
- Full-suspension seat in depressed position
- Subtract 32 mm without load backrest
- ◆ Stacking aisle width (lines 4.34.1 & 4.34.2) 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 (line 5.7) 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
- ★ Noise levels are reduced by 3dB(A) with ECO-eLo mode engaged.
- ◆ The Kubota V3600 Diesel engine is only compatible with category 1 diesel fuel, which contains sulphur levels of over 500ppm.
- The Kubota V3800 3.8L Diesel engine is equipped with a cooled EGR system, which requires the use of Low (<500ppm) or Ultra-Low (<15ppm) sulphur fuel.

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, manual hydraulics (Fortens) or e-hydraulics (Fortens Advance & Fortens Advance+), overhead guard and standard pneumatic shaped solid drive and steer tyres.

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.

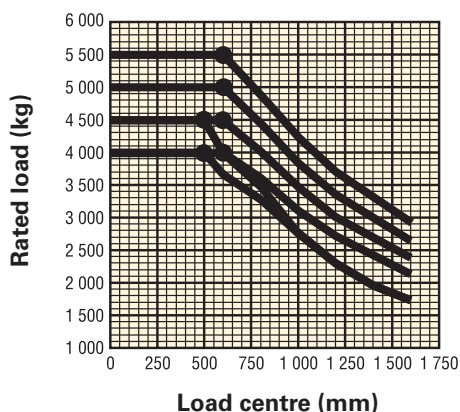
Hyster products are subject to change without notice. Lift trucks illustrated may feature optional equipment.



This truck conforms to the current EU requirements.

Dimensions (mm)	H4.0FT5	H4.0FT6	H4.5FT5	H4.5FT6	H5.0FT	H5.5FT
f	37%	27.5%	33%	32%	32%	28%
g	28°	28°	28°	30°	30°	30°
k	441	441	441	484	484	484
n	1062	1062	1062	1062	1062	1062

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).

H5.5FT
H5.0FT
H4.5FT6
H4.5FTS5
H4.0FT6
H4.0FT5

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 operations and simple serviceability.

Model / Bundle	H4.0FT5			H4.0FT6		
DIESEL	Engine	Transmission	Brakes	Engine	Transmission	Brakes
Fortens	Kubota V3600 ☞	Electronic Powershift 1 or 2 speed	Premium Wet Brakes	Kubota V3600 ☞	Electronic Powershift 1 or 2 speed	Premium Wet Brakes
Fortens Advance	Kubota V3800 ☞	DuraMatch™ Electronic 1 or 2 speed	Standard Wet Brakes	Kubota V3800 ☞	DuraMatch™ Electronic 1 or 2 speed	Standard Wet Brakes
Fortens Advance	Kubota V3800 ☞	DuraMatch™ Electronic 2 speed	Premium Wet Brakes	Kubota V3800 ☞	DuraMatch™ Electronic 2 speed	Premium Wet Brakes
Fortens Advance+	Kubota V3800 ☞	DuraMatch™ Plus 2 speed	Premium Wet Brakes	Kubota V3800 ☞	DuraMatch™ Plus 2 speed	Premium Wet Brakes

Model / Bundle	H4.5FT5			H4.5T6		
DIESEL	Engine	Transmission	Brakes	Engine	Transmission	Brakes
Fortens	Kubota V3600 ☞	Electronic Powershift 1 or 2 speed	Premium Wet Brakes	Kubota V3600 ☞	Electronic Powershift 1 or 2 speed	Premium Wet Brakes
Fortens Advance	Kubota V3800 ☞	DuraMatch™ Electronic 1 or 2 speed	Standard Wet Brakes	Kubota V3800 ☞	DuraMatch™ Electronic 1 or 2 speed	Premium Wet Brakes
Fortens Advance	Kubota V3800 ☞	DuraMatch™ Electronic 2 speed	Premium Wet Brakes	-	-	-
Fortens Advance+	Kubota V3800 ☞	DuraMatch™ Plus 2 speed	Premium Wet Brakes	Kubota V3800 ☞	DuraMatch™ Plus 2 speed	Premium Wet Brakes

Model / Bundle	H5.0FT			H5.5FT		
DIESEL	Engine	Transmission	Brakes	Engine	Transmission	Brakes
Fortens	Kubota V3600 ☞	Electronic Powershift 1 or 2 speed	Premium Wet Brakes	Kubota V3600 ☞	Electronic Powershift 1 or 2 speed	Premium Wet Brakes
Fortens Advance	Kubota V3800 ☞	DuraMatch™ Electronic 1 or 2 speed	Premium Wet Brakes	Kubota V3800 ☞	DuraMatch™ Electronic 1 or 2 speed	Premium Wet Brakes
Fortens Advance+	Kubota V3800 ☞	DuraMatch™ Plus 2 speed	Premium Wet Brakes	Kubota V3800 ☞	DuraMatch™ Plus 2 speed	Premium Wet Brakes

Model / Bundle	H4.0FT5			H4.0FT6		
LPG	Engine	Transmission	Brakes	Engine	Transmission	Brakes
Fortens Advance	GM 4.3L V6	DuraMatch™ Electronic 1 or 2 speed	Standard Wet Brakes	GM 4.3L V6	DuraMatch™ Electronic 1 or 2 speed	Standard Wet Brakes
Fortens Advance	GM 4.3L V6	DuraMatch™ Electronic 2 speed	Premium Wet Brakes	GM 4.3L V6	DuraMatch™ Electronic 2 speed	Premium Wet Brakes
Fortens Advance+	GM 4.3L V6	DuraMatch™ Plus 2 speed	Premium Wet Brakes	GM 4.3L V6	DuraMatch™ Plus 2 speed	Premium Wet Brakes

Model / Bundle	H4.5FT5			H4.5FT6		
LPG	Engine	Transmission	Brakes	Engine	Transmission	Brakes
Fortens Advance	GM 4.3L V6	DuraMatch™ Electronic 1 or 2 speed	Standard Wet Brakes	GM 4.3L V6	DuraMatch™ Electronic 1 speed	Standard Wet Brakes
Fortens Advance	GM 4.3L V6	DuraMatch™ Electronic 2 speed	Premium Wet Brakes	GM 4.3L V6	DuraMatch™ Electronic 2 speed	Premium Wet Brakes
Fortens Advance+	GM 4.3L V6	DuraMatch™ Plus 2 speed	Premium Wet Brakes	GM 4.3L V6	DuraMatch™ Plus 2 speed	Premium Wet Brakes

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

Please refer to the Price List for full option configurations.

NOTES

☞ Kubota V3600 Diesel engine is only compatible with category 1 diesel fuel, which contains sulphur levels of over 500ppm.

☞ Kubota V3800 3.8L Diesel engine is equipped with a cooled EGR system, which requires the use of Low (<500ppm) or Ultra-Low (<15ppm) sulphur fuel.

PRODUCT FEATURES

Fortens models feature the new Kubota V3600 4-cylinder IDI-T mechanically controlled turbocharged diesel engine with 57kW, for use in those markets where EU diesel exhaust standards are not currently applied. The engine will only operate with category 1 diesel fuel only, which contains sulphur levels of over 500ppm. It is not compatible with low or Ultra-low sulphur diesel.

This mechanically controlled engine is combined with a new electronic powershift transmission, available with one or two speeds and Cowl Mounted Mechanical Levers. Engine rpm, coolant temperature and oil pressure are monitored by the VSM.

Fortens Advance & Advance+ models feature the new Kubota V3800 E3 turbocharged diesel engine with 55.4 kW or the GM 4.3L V6 LPG engine with 77kW.

The new Kubota V3800 engine is equipped with a Cooled Exhaust Gas Recirculation (EGR) system which reduces the NOx emissions by re-circulating a part of the exhaust gases back into the engine to directly reduce NOx inside the engine. The EGR is self-contained and avoids the need for any fuel additive. It requires the use of Low (<500ppm) or Ultra-Low (<15ppm) sulphur fuel - Diesel fuel with a higher sulphur content will compromise emissions performance and result in damage to EGR system components. The engine also features a high pressure common rail fuel system, which dramatically reduces engine noise while providing more responsive power and better fuel efficiency at every rpm.

Fortens models, with the Kubota V3600 engine, are available with an Electronic Powershift transmission only, featuring either one or two speeds.

Fortens Advance models feature the electronically controlled **DuraMatch™ transmission**, with one and two speeds respectively, 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™ controls the transmission to deliver smooth direction changes. The VSM reduces the throttle to slow the engine, initiates auto-deceleration to stop the truck, changes the transmission direction automatically and increases the throttle to accelerate the truck. The system virtually eliminates tyre spin and shock loads

on the transmission and significantly increases tyre life. As with ADS, the system is programmable via the dash display by a service technician, with settings from 1 to 10, to suit the needs of the application.

- **Controlled Roll-Back on Ramp;** the transmission controls the rate of decent of the truck on a ramp, when the brake and throttle pedal are released, to provide maximum control on a grade and increase operator productivity.

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

The transmissions are compatible with 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 and repair time and costs, which results in extended truck dependability and uptime.

PRODUCT FEATURES (2)

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.

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

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

(*Hyster Productivity Test Cycle: Load Sensing Hydraulics and ECO-eLo functions are available on trucks with TouchPoint mini-levers and DuraMatch transmissions).

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 Full Suspension Seat together with the isolated powertrain provide best in class Whole-Body Vibration levels of 0.6m/s², ensuring that the operator remains comfortable throughout the shift and fatigue, aches and pains are kept to a minimum.
- The new mini-lever armrest features a new contoured design, and - in addition to the hydraulic functions - features a horn and direction switch, ensuring that all key truck functions are within constant, easy reach.
- The Rear grab handle with horn button facilitates reverse driving.
- An infinitely adjustable steering column, 30 cm diameter steering wheel with spinner knob and full-suspension seat enhance driver comfort.

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

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



STRONG PARTNERS. TOUGH TRUCKS.™

FOR DEMANDING OPERATIONS, EVERYWHERE.

Hyster supplies a complete range of warehouse equipment, IC and electric counterbalanced trucks, container handlers and reach stackers. Hyster is committed to being much more than a lift truck supplier.

Our aim is to offer a complete partnership capable of responding to the full spectrum of material handling issues: Whether you need professional consultancy on your fleet management, fully qualified service support, or reliable parts supply, you can depend on Hyster.

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



HYSTER EUROPE

Flagship House, Reading Road North, Fleet, Hants GU51 4WD, England.

Tel: +44 (0) 1252 810261



www.hyster.eu



infoeurope@hyster.com




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