

## FORTENS



# **DIESEL FORKLIFT TRUCKS**

S6.0-7.0FT FORTENS / FORTENS ADVANCE / FORTENS ADVANCE+



6 000-7 000 KG

## FORTENS, FORTENS ADVANCE, FORTENS ADVANCE+ S6.0FT, S7.0FT DIESEL

1       Suff       <		1.1	Manufacturer (abbreviation)		HYS	STER	HYS	TER	HYS	STER	HYS	TER
$ \begin{array}{                                    $	_				S6.	DFT	S6.0	)FT	S6	.0FT	S6.	.0FT
$ \begin{bmatrix} 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1$					Fort	ens	Fort	ens	Fortens	Advance	Fortens A	Advance+
10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100 </td <td>_</td> <td></td> <td>Engine</td> <td></td> <td>Kubot</td> <td>a 3.8L</td> <td>Kubot</td> <td>a 3.8L</td> <td>Kubo</td> <td>ta 3.8L</td> <td>Kubot</td> <td>ta 3.8L</td>	_		Engine		Kubot	a 3.8L	Kubot	a 3.8L	Kubo	ta 3.8L	Kubot	ta 3.8L
10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100 </td <td>IING MAR</td> <td></td> <td>Transmission</td> <td></td> <td></td> <td></td> <td>2-spee</td> <td>d plus</td> <td></td> <td></td> <td></td> <td></td>	IING MAR		Transmission				2-spee	d plus				
10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100 </td <td>ISI</td> <td></td> <td>Brake type</td> <td></td> <td>Wet B</td> <td>rakas</td> <td></td> <td></td> <td>Wot F</td> <td>Brakes</td> <td>Wat F</td> <td>trakas</td>	ISI		Brake type		Wet B	rakas			Wot F	Brakes	Wat F	trakas
10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100 </td <td></td> <td>1.3</td> <td></td>		1.3										
10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100 </td <td></td>												
13       Lead dataset, carding of the also lats       Athen       00       00       00       00       00       00       00       00       00       00       00       00       00       00       00       00       00       00       00       00       00       00       00       00       00       00       00       00       00       00       00       00       00       00       00       00       00       00       00       00       00       00       00       00       00       00       00       00       00       00       00       00       00       00       00       00       00       00       00       00       00       00       00       00       00       00       00       00       00       00       00       00       00       00       00       00       00       00       00       00       00       00       00       00       00       00       00       00       00       00       00       00       00       00       00       00       00       00       00       00       00       00       00       00       00       00       00		1.5	Rated capacity/rated load	Q. (t)	6	0	6.	0	6	6.0	6	.0
10       Value Accord       Value Ac		-		c (mm)				-			-	
1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1			· · · · · · · · · · · · · · · · · · ·			-		-				
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	1	1.9	Wheelbase	y (mm)	18	30	18	30	18	330	18	30
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	<b>60</b> 2	21	Service weight	ka	86	67	86	67	80	367	86	67
a. In the set of the se												
32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>												
32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32       32 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>												
3       Tread, new $112$ $112$ $112$ $112$ $112$ $112$ $112$ $112$ $112$ $112$ $112$ $112$ $112$ $112$ $112$ $112$ $112$ $112$ $112$ $112$ $112$ $112$ $112$ $112$ $112$ $112$ $112$ $112$ $112$ $112$ $112$ $112$ $112$ $112$ $112$ $112$ $112$ $112$ $112$ $112$ $112$ $112$ $112$ $112$ $112$ $112$ $112$ $112$ $112$ $112$ $112$ $112$ $112$ $112$ $112$ $112$ $112$ $112$ $112$ $112$ $112$ $112$ $112$ $112$ $112$ $112$ $112$ $112$ $112$ $112$ $112$ $112$ $112$ $112$ $112$ $112$ $112$ $112$ $112$ $112$ $112$ $112$ $112$ $112$ $112$ $112$ $112$ $112$ $112$ $112$ $112$ $112$ $112$ $112$ <							-					-
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3       Tread, new $112$ $112$ $112$ $112$ $112$ $112$ $112$ $112$ $112$ $112$ $112$ $112$ $112$ $112$ $112$ $112$ $112$ $112$ $112$ $112$ $112$ $112$ $112$ $112$ $112$ $112$ $112$ $112$ $112$ $112$ $112$ $112$ $112$ $112$ $112$ $112$ $112$ $112$ $112$ $112$ $112$ $112$ $112$ $112$ $112$ $112$ $112$ $112$ $112$ $112$ $112$ $112$ $112$ $112$ $112$ $112$ $112$ $112$ $112$ $112$ $112$ $112$ $112$ $112$ $112$ $112$ $112$ $112$ $112$ $112$ $112$ $112$ $112$ $112$ $112$ $112$ $112$ $112$ $112$ $112$ $112$ $112$ $112$ $112$ $112$ $112$ $112$ $112$ $112$ $112$ $112$ $112$ $112$ $112$ <	(RES			h., (mm)								
4.1       It of mastforc carrings forward/backward $0$ (J (T) $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ <			•									
42       Height, mast teared       h, limit       Height, mast standad       100       100       100       100       100         55       Height, mast standad       h, limit       h, limit       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100						_						
4.2       Face in       b, (m)       100       100       100       100       100         4.3       L       L       Melgit, mast astended       b, (m)       330       330       330       330       330         4.4       L/R       Melgit, mast astended       b, (m)       330       330       330       330       330         4.8       Operal lengin       b, (m)       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100 <th< td=""><td></td><td></td><td>Tilt of mast/fork carriage forward/backward</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></th<>			Tilt of mast/fork carriage forward/backward									
4.4       Hulp, max tetorided       h, limm       3.40       3.40       3.40       3.40       3.40       3.40       3.40       3.40       3.40       3.40       3.40       3.40       3.40       3.40       3.40       3.40       3.40       3.40       3.40       3.40       3.40       3.40       3.40       3.40       3.40       3.40       3.40       3.40       3.40       3.40       3.40       3.40       3.40       3.40       3.40       3.40       3.40       3.40       3.40       3.40       3.40       3.40       3.40       3.40       3.40       3.40       3.40       3.40       3.40       3.40       3.40       3.40       3.40       3.40       3.40       3.40       3.40       3.40       3.40       3.40       3.40       3.40       3.40       3.40       3.40       3.40       3.40       3.40       3.40       3.40       3.40       3.40       3.40       3.40       3.40       3.40       3.40       3.40       3.40       3.40       3.40       3.40       3.40       3.40       3.40       3.40       3.40       3.40       3.40       3.40       3.40       3.40       3.40       3.40       3.40       3.40       3.40       <			-									
8.       Height mait extended       h, (mon)       (mon				-				-				
4.3       Haging of control in the form in the form in the interval length interval lengt												
3:8: Triangly fielded many in parket			-									
4.12       CoopIng height       h, (mm)       388       388       388       388       388         4.10       Dearwin Unsigh       Lingth to face of forta.       Lingth to face of forta.       10       2228       2228       2228       2228       2228       2228       2228       2228       2228       228       228       228       228       228       228       228       228       228       228       228       228       228       228       228       228       228       228       228       228       228       228       228       228       228       228       228       228       228       228       228       228       228       228       228       228       228       228       288       108       108       113       113       113       113       113       113       113       113       113       113       113       113       113       113       113       113       113       113       113       113       113       113       113       113       113       113       113       113       113       113       113       113       113       113       113       113       113       113 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>												
4.19       Journal length       1, Journal       4128       4128       4128       4128       4128       4128       4128       4128       4128       4128       4128       4128       4128       4128       4128       4128       4128       4128       4128       4128       4128       4128       4128       4128       4128       4128       4128       4128       4128       4128       4128       4128       4128       4128       4128       4128       4128       4128       4128       4128       4128       4128       4128       4128       4128       4128       4128       4128       4128       4128       4128       4128       4128       4128       4128       4128       4128       4128       4128       4128       4128       4128       4128       4128       4128       4128       4128       4128       4128       4128       4128       4128       4128       4128       4128       4128       4128       4128       4128       4128       4128       4128       4128       4128       4128       4128       4128       4128       4128       4128       4128       4128       4128       4128       4128       4128       4128 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>												
9210       Overall width       b,b, limin       133       133       133       133       133       133       133       133       133       133       133       133       133       133       133       133       133       133       133       133       133       133       133       133       133       133       133       133       133       133       133       133       133       133       133       133       133       133       133       133       133       133       133       133       133       133       133       133       133       133       133       133       133       133       133       133       133       133       133       133       133       133       133       133       133       133       133       133       133       133       133       133       133       133       133       133       133       133       133       133       133       133       133       133       133       133       133       133       133       133       133       133       133       133       133       133       133       133       133       133       133       133       1	4	4.19			41	28	41:	28	41	128	41	28
98         22         Pirk dimensions 192 2231 cashings 192 228 classify pak 8         90         190         120         90         190         120         90         190         120         90         190         120         90         190         120         90         190         120         90         190         120         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100<	4	4.20	Length to face of forks	l₂ (mm)	29	28	293	28	29	928	29	28
43.1       Ground clearance, cetter diveleabase       m, (mn)         43.2       Ground clearance, cetter diveleabase       m, (mn)         43.3       Isad dimension b, $\chi_{1}$ crossways       b, $\chi_{1}$ (mn)         43.4       Isad with predetamined load dimensions       A, (mn)         43.4       Isad with predetamined load dimensions       A, (mn)         43.4       Isad with predetamined load dimensions       A, (mn)         43.2       Jake with for palles 100 - 1200 crossways       A, (mn)         43.2       Jake with for palles 100 - 1200 crossways       A, (mn)         44.3       VAHS       HAHS       HAHS         44.3       Image: State												
43.1       Ground clearance, cetter diveleabase       m, (mn)         43.2       Ground clearance, cetter diveleabase       m, (mn)         43.3       Isad dimension b, $\chi_{1}$ crossways       b, $\chi_{1}$ (mn)         43.4       Isad with predetamined load dimensions       A, (mn)         43.4       Isad with predetamined load dimensions       A, (mn)         43.4       Isad with predetamined load dimensions       A, (mn)         43.2       Jake with for palles 100 - 1200 crossways       A, (mn)         43.2       Jake with for palles 100 - 1200 crossways       A, (mn)         44.3       VAHS       HAHS       HAHS         44.3       Image: State				s/e/l (mm)								
43.1       Ground clearance, cetter diveleabase       m, (mn)         43.2       Ground clearance, cetter diveleabase       m, (mn)         43.3       Isad dimension b, $\chi_{1}$ crossways       b, $\chi_{1}$ (mn)         43.4       Isad with predetamined load dimensions       A, (mn)         43.4       Isad with predetamined load dimensions       A, (mn)         43.4       Isad with predetamined load dimensions       A, (mn)         43.2       Jake with for palles 100 - 1200 crossways       A, (mn)         43.2       Jake with for palles 100 - 1200 crossways       A, (mn)         44.3       VAHS       HAHS       HAHS         44.3       Image: State				h. (1999)								
423       Cound clarance, centre of wheelawae       m, (mn)         423       Load microsith $n_{+}$ (L conserving) $h_{2}$ (L (mn)         424       Alse width productions (not conserve) $A_{-}$ (mn)         425       Intermsecting side (with productions (not conserve) $A_{-}$ (mn)         425       Intermsecting side (with productions (not conserve) $A_{-}$ (mn)         426       Step height (Enerve conserve) $A_{-}$ (mn)         427       Step height (Enerve conserve) $A_{-}$ (mn)         428       Step height (Enerve conserve) $A_{-}$ (mn)         431       Step height (Enerve conserve) $A_{-}$ (mn)         432       Step height (Enerve conserve) $A_{-}$ (m)         433       Step height (Enerve conserve) $A_{-}$ (m)         444       Step height (Enerve conserve) $A_{-}$ (m)         545       Step height (Enerve conserve) $A_{-}$ (m)         545       Step height (Ene												
4.33       Land dimension $2_{1} \ (rotoward) product model dimension 2_{1} \ (rotoward) product model product produ$												
4.341       Alore within for pallets 1000 × 1200 crossways       A, frmn         4.342       Alore within for pallets 800 × 1200 crossways       A, frmn         4.342       Alore within for pallets 800 × 1200 crossways       A, frmn         4.351       furming radius       W, frmn         4.362       Alore within for pallets 800 × 1200 crossways       A, frmn         4.363       furming radius       W, frmn         4.364       Methods for pallets 800 × 1200 crossways       A, frmn         4.365       furming radius       W, frmn         4.361       Methods for pallets 1000 mx W = 1200 mm       Methods         4.41       Set pheight ffrom ground to running based)       frmn         4.42       Step height flow ground to running based)       frmn         5.1       Trade speed, laden/uniaden       knfn         5.1       Trade speed, laden/uniaden       ms         5.1       Service brake       Methods         7.1       Trade speed, laden/uniaden       ms         5.1       Service brake       Methods <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>												
4.342       Aide width for pallets 800 × 1200 crossways       A, (mn)         4.35       Internal turning radius       W, (mn)         4.36       Internal turning radius       W, (mn)         4.37       Mathemal turning radius       W, (mn)         4.38       Internal turning radius       W, (mn)         4.41       90° intersecting aide (with pallet 1= 000mn W = 1200mn)       (mn)         4.42       Step height (from ground to running back)       (mn)         4.43       Step height (between intermediate steps and floor)       (mn)         4.44       Step height (between intermediate steps and floor)       (mn)         5.1       Travel speed, laden/uniaden       km/h         5.2       Travel speed, laden/uniaden       m/s         5.3       Lowering speed, laden/uniaden       m/s         5.5       Drowing speed, laden/uniaden       m/s         5.0       Service brake       Ni         7.1       Engine manufecturer/type       Kubota V3800 E4       Kubota V3800 E4       Kubota V3800 E4         7.1       Engine manufecturer/type       Vir/min       Ni       1/1       2/48         7.1       Engine manufecturer/type       Vir/min       Sep       5/2       5/2         7.1       <	4	4.34			42	83	42	83	42	283	42	83
436       Turning rafius       W, (mn)         436       Internal turning rafius       b, (mn)         436       Internal turning rafius       b, (mn)         437       Step height (for ground to running baard)       (mn)         441       90° intersecting aisle (with pallet L = 1000mm x W = 1200mm)       (mn)         442       Step height (for ground to running baard)       (mn)         443       Step height (between intermediate steps and floor)       (mn)         511       Travel speed, lader/uniaden       km/h         511       Travel speed, lader/uniaden       m/s         53       Lowerdig speed, lader/uniaden       m/s         54       Dravber pul, lader/uniaden       m/s         55       Dravber pul, lader/uniaden       m/s         57       Gradeability, lader/uniaden       +       s         57       Gradeability, lader/uniaden       +       s         57       Dravber pul, lader/uniaden       +       s         59       Acceleration (m, elader/uniaden       +       s         50       Dravber pul, lader/uniaden       +       s         50       Dravber pul, lader/uniaden       +       s         51       Travel speed, lader/uniaden												
4.1       90° internal turning radius       b <sub>0</sub> (mm)         4.41       90° intersecting asle (with plate L = 1000m x W = 1200mm)       (mm)         4.2       Step height (from ground to running board)       (mm)         4.3       Step height (from ground to running board)       (mm)         4.41       Step height (from ground to running board)       (mm)         5.10       Travel speed, Inden/unladen       m/h         5.2       Lift speed, Inden/unladen       m/h         5.11       Travel speed, Inden/unladen       m/h         5.2       Lift speed, Inden/unladen       m/h         5.10       Step height (hom ground to running board)       (min)         5.11       Travel speed, Inden/unladen       m/h         5.2       Lift speed, Inden/unladen       m/h         5.10       Step height (hom ground to running board)       m/h         5.11       Step height (hom ground to running board)       m/h         5.12       Lift speed, Inden/unladen       m/h         5.13       Step height (hom ground to running board)       m/h         5.14       Step height (hom ground to running board)       m/h         5.15       Step height (hom ground to running board)       m/h         5.16       Step height (hom gr			· · ·									
4.41       99° intersecting asie (with palet. = 1000mm x W = 1200mm) (mm)       (mm)       131       531       531       531       531       531       531       531       531       531       531       531       531       531       531       531       531       531       531       531       531       531       531       531       531       531       531       531       531       531       531       531       531       531       531       531       531       531       531       531       531       531       531       531       531       531       531       531       531       531       531       531       531       531       531       531       531       531       531       531       531       531       531       531       531       531       531       531       531       531       531       531       532       532       532       532       532       532       532       532       532       532       532       532       532       532       532       532       532       532       532       532       532       532       532       532       535       55       55       55 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>												
442       Step height (from ground to running board)       (mm)         433       Step height (from ground to running board)       (mm)         313       313       313       313         511       Travel speed, Isden/unladen       km/h         51.1       Travel speed, Isden/unladen       m/s         52       Lift speed, Isden/unladen       m/s         53.1       Travel speed, Isden/unladen       m/s         54.2       Lift speed, Isden/unladen       m/s         55.3       Lowering speed, Isden/unladen       m/s         54.3       Lowering speed, Isden/unladen       m/s         55.3       Lowering speed, Isden/unladen       -         51.0       Service trake       m/s         7.1       Engine manufacturer/type       Kubota V3800 E4       Kubota V3800 E4       Kubota V3800 E4         7.1       Engine manufacturer/type       Kubota V3800 E4       Kubota V3800 E4       Kubota V3800 E4         7.1       Engine manufacturer/type       100       300       1400       300       1400			<u> </u>									
4.43       Step height (between intermediate steps and floor)       (mm)       313       313       313       313       313       313       313       313       313       313       313       313       313       313       313       313       313       313       313       313       313       313       313       313       313       313       313       313       313       313       313       313       313       313       313       313       313       313       313       313       313       313       313       313       313       313       313       313       313       313       313       313       313       313       313       313       313       313       313       313       313       313       313       313       313       313       313       313       313       313       313       313       313       313       313       313       313       313       313       313       313       313       313       313       313       313       313       313       313       313       313       313       313       313       313       313       313       313       313       313       313												
S1.1       Travel speed, laden/unladen, backwards       km/h         5.1.1       Travel speed, laden/unladen       m/h         5.2       Lift speed, laden/unladen       m/h         5.3       Lowering speed, laden/unladen       m/h         5.3       Lowering speed, laden/unladen       m/h         5.3       Drawbar pull, laden/unladen       m/h         5.5       Drawbar pull, laden/unladen       m/h         5.7       Gradeability, laden/unladen       m/h         5.9       Acceleration time, laden/unladen +       s         5.0       Service brake       17.1       24.8         7.1       Engine manufacturer/type       7.6       6.1       5.7         7.2       Engine power according to ISO 1985       KV       N       55       55       55         7.3       Rated speed       min-1       N/m/min-1       N/m/min-1       1400       300       1400       300       1400       300       1400       300       1400       300       1400       300       1400       300       1400       300       1400       300       1400       300       1400       300       1400       300       1400       300       1400       30       1400	4	4.43		(mm)	3	3	31	3	3	13	3	13
S1.1       Travel speed, laden/unladen, backwards       km/h         5.1.1       Travel speed, laden/unladen       m/h         5.2       Lift speed, laden/unladen       m/h         5.3       Lowering speed, laden/unladen       m/h         5.3       Lowering speed, laden/unladen       m/h         5.3       Drawbar pull, laden/unladen       m/h         5.5       Drawbar pull, laden/unladen       m/h         5.7       Gradeability, laden/unladen       m/h         5.9       Acceleration time, laden/unladen +       s         5.0       Service brake       17.1       24.8         7.1       Engine manufacturer/type       7.6       6.1       5.7         7.2       Engine power according to ISO 1985       KV       N       55       55       55         7.3       Rated speed       min-1       N/m/min-1       N/m/min-1       1400       300       1400       300       1400       300       1400       300       1400       300       1400       300       1400       300       1400       300       1400       300       1400       300       1400       300       1400       300       1400       300       1400       30       1400	- Angeler			Automation and and a second second	-							
52       Lift speed, laden/unladen       m/s         53       Lowering speed, laden/unladen       m/s         55       Drawber pul, laden/unladen       m/s         55       Drawber pul, laden/unladen       m/s         57       Gradeability, laden/unladen       m/s         59       Acceleration time, laden/unladen       m/s         50       Drawe at // min       m/s         7.1       Engine manifacturer/type       Hydraulic       Hydraulic       Hydraulic         7.1       Engine power according to IS0 1585       KWV       S       55       55         7.2       Engine power according to VDI cycle       M       Muno       300       1400       300       1400       300       1400       300       1400       300       1400       300       1400       300       1400       300       1400       33.3<			· · · ·									
Stol       Service brake       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M	ATA 1											
Stol       Service brake       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M	33		•									
Stol       Service brake       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M	MA											
Stol       Service brake       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M       M	101		· · ·									
5.10       Service brake         11       Service brake         12       Engine manufacturer/type       Kubota V3800 E4       Kubota V3800 E4       Kubota V3800 E4         12       Engine power according to ISO 1585       KW         7.3       Rated speed       min-1         7.4       Number of cylinders/displacement       (-)/cm <sup>3</sup> 7.10       Battery voltage/nominal capacity       (V)/(Ah)         8.1       Type of drive unit       (V)/(Ah)         10.2       Did volume for attachments       //min         10.3       Hydraulic       Hydraulic       Hydraulic       Hydraulic         Hydraulic       Hydraulic       Hydraulic       Hydraulic       Hydraulic         10.1       Operating pressure for attachments       Kubota V3800 E4       Kubota V3800 E4       Kubota V3800 E4         10.3       Hydraulic onsumption according to VDI cycle       (V)/       (M)/       1400       300       1400       300       1400         10.1       Operating pressure for attachments       I/min       M       M       M       M       M       M       M         10.3       Hydraulic oit ank, capacity       I       I       I       I       I       I       I <td></td>												
7.2Engine power according to ISO 1585kW7.3Rated speedmin-17.3.1Torque at 1/minNm/min-17.4.1Number of cylinders/displacement(-//cm³)7.5Fuel consumption according to VDI cycleVh7.10Battery voltage/nominal capacity(V)/(Ah)8.1Type of drive unit $0.47$ 10.2Oir voltage/nominal capacity(V)/(Ah)10.2Oir voltage/nominal capacity(V)/(Ah)10.4Fuel cansumption according to VDI cycle(V)/(Ah)10.1Operating pressure for attachments(Vmin)10.2Oir voltage/nominal capacityI10.3Hydraulic cil tank, capacityI10.4Fuel tank, capacityI10.7.2Guaranteed sound power 2000/14/ECdB (A)10.8Towing coupling, type DINB(A)10.8Towing coupling, type DINPin10.8Towing coupling, type DINPin	5	5.10	Service brake		Hydr	aulic	Hydra	aulic	Hyd	raulic	Hydr	aulic
7.2Engine power according to ISO 1585kW7.3Rated speedmin-17.3.1Torque at 1/minNm/min-17.4.1Number of cylinders/displacement(-//cm³)7.5Fuel consumption according to VDI cycleVh7.10Battery voltage/nominal capacity(V)/(Ah)8.1Type of drive unit $0.47$ 10.2Oir voltage/nominal capacity(V)/(Ah)10.2Oir voltage/nominal capacity(V)/(Ah)10.4Fuel cansumption according to VDI cycle(V)/(Ah)10.1Operating pressure for attachments(Vmin)10.2Oir voltage/nominal capacityI10.3Hydraulic cil tank, capacityI10.4Fuel tank, capacityI10.7.2Guaranteed sound power 2000/14/ECdB (A)10.8Towing coupling, type DINB(A)10.8Towing coupling, type DINPin10.8Towing coupling, type DINPin					-							
No.       Battery voltage/nominal capacity       (V//Ah)       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       1	¥ 7											
No.       Battery voltage/nominal capacity       (V//Ah)       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       1												
No.       Battery voltage/nominal capacity       (V//Ah)       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       1	8		•									
No.       Battery voltage/nominal capacity       (V//Ah)       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       1	UST /		•									
No.       Battery voltage/nominal capacity       (V//Ah)       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       12       105       1												
B.1         Type of drive unit           10.1         Operating pressure for attachments         bar           10.2         Oil volume for attachments         //min           10.3         Hydrodynamic         Hydrodynamic         Hydrodynamic           10.4         Fuel tank, capacity         I         64.7         64.7         64.7           10.7         Sound pressure level at the driver's seat         dB (A)         81         81         81           10.7.1         Sound power 2000/14/EC         dB (A)         100         100         100           10.8         Towing coupling, type DIN         Fin         Pin         Pin         Pin	8		· · · · · · · · · · · · · · · · · · ·									
10.1         Operating pressure for attachments         bar           10.2         Oil volume for attachments         I/min           10.3         Hydraulic oil tank, capacity         I           10.4         Fuel tank, capacity         I           10.7         Sound pressure level at the driver's seat         dB (A)           10.7.1         Sound power level during the workcycle         dB (A)           10.7.2         Guaranteed sound power 2000/14/EC         dB (A)           10.8         Towing coupling, type DIN         Towing coupling, type DIN	Maria	199	and the second the second of the second s		- Contraction							
10.2         Dil volume for attachments         //min           10.3         Hydraulic oil tank, capacity         I           10.4         Fuel tank, capacity         I           10.4         Fuel tank, capacity         I           10.7         Sound pressure level at the driver's seat         dB (A)           10.7.1         Sound power level during the workcycle         dB (A)           10.7.2         Guaranteed sound power 2000/14/EC         dB (A)           10.8         Towing coupling, type DIN         Tot						-						
10.3         Hydraulic oil tank, capacity         I           10.4         Fuel tank, capacity         I           10.4         Fuel tank, capacity         I           10.7         Sound pressure level at the driver's seat         dB (A)           10.7.1         Sound power level during the workcycle         dB (A)           10.7.2         Guaranteed sound power 2000/14/EC         dB (A)           10.8         Towing coupling, type DIN         OH												
10.7.2         Guaranteed sound power 2000/14/EC         dB (A)         104         104         104         104           10.8         Towing coupling, type DIN         Pin         Pin         Pin         Pin         Pin												
10.7.2         Guaranteed sound power 2000/14/EC         dB (A)         104         104         104         104           10.8         Towing coupling, type DIN         Pin         Pin         Pin         Pin         Pin	a l											
10.7.2         Guaranteed sound power 2000/14/EC         dB (A)         104         104         104         104           10.8         Towing coupling, type DIN         Pin         Pin         Pin         Pin         Pin	Ē			dB (Δ)								
10.7.2         Guaranteed sound power 2000/14/EC         dB (A)         104         104         104         104           10.8         Towing coupling, type DIN         Pin         Pin         Pin         Pin         Pin												
10.8     Towing coupling, type DIN     Pin     Pin     Pin												
					Р	n	Pi	n	F	in	Р	in
	isq.	1557	and the second second second second second second second	and the sector	and the second							

Specification data is based on VDI 2198

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

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

HY	STER	HYS	TER	HYS	TER	HYS	TER	1.1	
	.0FT	S7.			OFT		OFT	1.2	
For	tens	Fort	ens	Fortens	Advance	Fortens A	Advance+		
	ta 3.8L	Kubot		Kubot			ta 3.8L		
	owershift beed	Basic Po 2-spee			latch™		ch™ Plus3 beed		STIN
2-5	Jeed	2-spee Soft Shift Pov		3-sp	leed	3-5	leeu		GUIS
Wet E	Brakes	Wet B		Wet E	Brakes	Wet E	Brakes		DISTINGUISHING MAI
Die	esel	Die	sel	Die	sel	Die	esel	1.3	N N
	ated	Sea			ated		ated	1.4	R
-	.0	7.	-	7	.0 00		.0 00	1.5 1.6	
	98	49			38		98	1.0	
-	30	18	-		30		30	1.9	
-									
	531	95		95			31	2.1	
14928 3730	1603	14928	1603	14928	1603	14928	1603	2.2	
3/30	5801	3730	5801	3730	5801	3730	5801	2.3	60
, ·	V	١	/	\ \	/	,	V	3.1	
28 x 1	2 x 22	28 x 1	2 x 22	28 x 1	2 x 22	28 x 1	2 x 22	3.2	
22 x	8 x 16	22 x 8		22 x	8x 16	22 x	8 x 16	3.3	S/G
2x	2	2x	2	2x	2	2x	2	3.5	TYRES/CHASSIS
-	33  92	11			33 92		33 92	3.6 3.7	Si
	52		02		UL		52	0.7	
6	10	6	10	6	10	6	10	4.1	
-	97	26	•••	26			97	4.2	
-	00	10			00		00	4.3	
-	340 575	33 45			40 75		40 75	4.4 4.5	
	802	45			02		1/5	4.5	
	335	13			35		35	4.7 4.8 4.12	
3	88	38	18	31	38	3	88		
41	28	41	28	41	28	41	28	4.19	
	128	29			28		28	4.20	
	138	14			38		38	4.21	
	50 1200 /A	60 15 IV		60 1! IV	50 1200	60 1:  \	50 1200	4.22 4.23	
-	219	12			19		19	4.24	SIO
-	13	11			13		13	4.31	5
1	88	18	8	188 1200 x 1000		188 1200 x 1000		4.32	
-	x 1000	1200 >						4.33	
	283 183	42			83 83	4283 4483		4.34 4.34.1	
	183	44			83		-83	4.34.1	
	i85	25			85		85	4.35	
7	51	75	i1	7!	51	7!	51	4.36	
	292	22			92		92	4.41	
	31	53			31		31	4.42	
3	13	31	3	3	13	3	13	4.43	
20.7	20.0	20.7	20.0	20.9	20.2	20.9	20.2	5.1	
20.7	20.0	20.7	20.0	18.3	17.7	18.3	17.7	5.1.1	
0.45	0.49	0.45	0.49	0.45	0.49	0.45	0.49	5.2	8
0.58	0.53	0.58	0.53	0.58	0.53	0.58	0.53	5.3	
37550	22640	37550	22640	44500	22640	44500	22640	5.4	PERFORMANCE DATA
14.1 6.1	23.9 5.1	14.1 6.1	23.9 5.1	15.1 6.3	23.9 5.8	15.1 6.3	23.9 5.8	5.7 5.9	
	aulic	Hydra			aulic		aulic	5.10	
				1			COLUMN TO A		-
Kubota	V3800 E4	Kubota \	/3800 E4	Kubota	/3800 E4	Kubota	V3800 E4	7.1	
	5	5			5		5	7.2	Ö
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12	105	12	105	12	105	12	105	7.10	Ĩ.
-								and the	
	Hydrodynamic		ynamic	Hydrod			ynamic	8.1	
	53	15		1!			53	10.1	
	3.3 4.7	83 64			3.3 I.7		3.3 1.7	10.2	
	+. <i>7</i> 5.8	64			i.8		i.8	10.3	
	5.0 11	8		8			1	10.4	
1	00	10	10	1(	00	10	00	10.7.1	DATA
	04	10			04		04	10.7.2	
<u>        Р</u>	in	Pi	n	Р	in	Р	in	10.8	

#### 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. Inform your dealer of the nature and condition of the intended operating area when purchasing your Hyster Truck.

- at 1.6 km/h
- □ at 4.8km/h
- + to 15m (per VDI 2198 December 2012)
- Battery ampere hour (Ah) nominal capacity ratings are estimated.
- With and without cab.

#### MAST TABLES:

- ▲ With load backrest
- × Without load backrest

#### NOTICE

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

Operators must be trained and must read, understand and follow the instructions contained in the Operating Manual.

All values are nominal values and they are subject to tolerances. For further information, please contact the manufacturer.

Hyster products might be subject to change without notice.

Lift trucks illustrated may feature optional equipment. Values may vary with alternative configurations.

#### CE Safety:

This truck conforms to the current EU requirements.

## **MAST AND CAPACITY INFORMATION**

#### S6.0-7.0FT MASTS

Mast type	Maximum fork height (mm)	Back tilt	Overall Iowered height (mm)	Overall Extended height (mm)	Free lift (top of forks) (mm)
2-Stage Limited Free Lift	2 400 3 400 4 400	10° 10° 10°	2 197 2 697 3 197	3 632 ▲ 4 632 ▲ 5 632 ▲	160 ¥ 160 ¥ 160 ¥
3-Stage Full Free Lift	3 800 4 700 5 600 6 200	6° 6° 6° 6°	2 227 2 527 2 827 3 077	5 026 ▲ 5 926 ▲ 6 826 ▲ 7 426 ▲	995 ¥ 1 295 ¥ 1 595 ¥ 1 845 ¥

#### S6.0-7.0FT - Capacity Chart in kg @ 600mm Load Centre

	Mast type				Cushion Tyres			
		Maximum fork height	With carr	iage only	With carriag	je + sideshift	With carriage + sideshifting fork positioner	
		(mm)	S6.0FT	S7.0FT	S6.0FT	S7.0FT	S6.0FT	\$7.0FT
	2-Stage Limited Free Lift	2 400 3 400 4 400	6 000 6 000 6 000	7 000 7 000 7 000	5 730 5 700 5 650	6 580 6 550 6 490	5 680 5 650 5 600	6 530 6 500 6 440
	3-Stage Full Free Lift	3 800 4 700 5 600	6 000 6 000 5 800	7 000 7 000 6 740	5 630 5 600 5 390	6 430 6 400 6 190	5 570 5 550 5 340	6 380 6 350 6 140

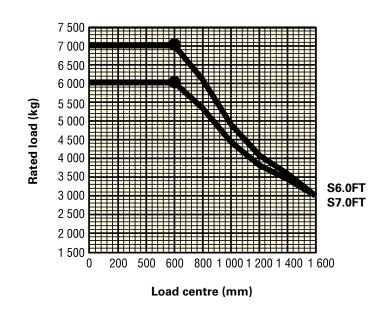
#### NOTES

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.

Values shown are for standard equipment. When using non-standard equipment, these values may change. Please contact your Hyster dealer for information.

### **RATED CAPACITIES**



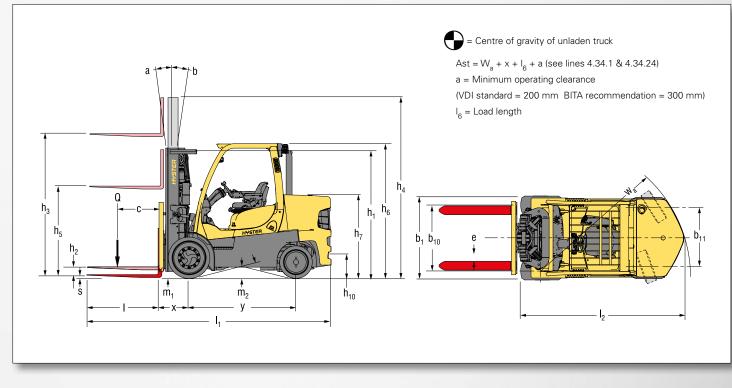
#### Load centre

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

#### Rated load

Based on vertical masts up to 4 700 mm to top of forks.

## **TRUCK DIMENSIONS**



## **PRODUCT PACKAGES**

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

The S6.0-7.0FT Series is available in several truck packages, with multiple powertrain combinations to choose from, to best match operational demands. Each configuration offers improved efficiency, advanced dependability, lower cost of ownership and simple serviceability.

Model / Bundle	S6.0FT			\$7.0FT			
DIESEL	Engine	Transmission	Brakes	Engine	Transmission	Brakes	
Fortens	Kubota 3.8L	Electronic Powershift 2-speed	Wet brakes	Kubota 3.8L	Electronic Powershift 2-speed	Wet brakes	
Fortens Advance	Kubota 3.8L	Electronic Powershift with Soft Shift Power Reversal 2-speed	Wet brakes	Kubota 3.8L	Electronic Powershift with Soft Shift Power Reversal 2-speed	Wet brakes	
	Kubota 3.8L	DuraMatch™ 3-speed	Wet brakes	Kubota 3.8L	DuraMatch™ 3-speed	Wet brakes	
Fortens Advance +	Kubota 3.8L	DuraMatch™ Plus3 3-speed	Wet brakes	Kubota 3.8L	DuraMatch™ Plus3 3-speed	Wet brakes	

## **POWERTRAINS**

1.3	Drive: electric (battery or mains), diesel, petrol, LPG		Diesel	
7.1	Engine manufacturer/type		Kubota V3800 E4	and reads
7.2	Engine power according to ISO 1585	kw s	55	
7.3	Rated speed	min-1	2200	
7.3.1	Torque at 1/min	Nm/min–1	300 / 1400	
7.4	Number of cylinders/displacement	cm <sup>3</sup>	4 / 3796	
7.6	Turnover output	kWh/h @Nr of Cycles	ТВА	
7.7	Energy consumption at turnover output	t/h	ТВА	
7.10	Battery voltage/nominal capacity 🗇	(V)/(Ah)	12 / 105	
-		A Martine Contraction of the Con		A-10-10
8.1	Type of drive unit		Hydrodynamic	
8.2	Manufacturer/type		NMHG/Electronic	
8.6	Wheel drive/drive axle manufacturer/type		Dana or NMHG/WBA	
8.11	Service brake		Hydraulic	
8.12	Parking brake		Multi Disc Brake	

Sattery ampere hour (Ah) nominal capacity ratings are estimated.

## **PRODUCT FEATURES**

The Hyster Fortens S6.0-7.0FT Series represents a powerful, compact materials handling solution for heavy duty indoor applications such as paper roll storage.

It's compact frame and shorter wheelbase ensures that space and on-site efficiency can be maximised to maintain low operating costs.

#### Low emission engines from Kubota

Hyster Fortens S6.0-7.0FT models feature the electronically controlled Kubota V3800 E4 55kw diesel engine. The Kubota V3800 E4 diesel engine is fully compliant with Stage IIIB requirements for regulated markets and is equipped with a DOC as standard. These engines meet the stringent emissions regulations by using a number of technologies including cooled exhaust gas recirculation, charge air cooling and a Diesel Oxidising Catalyst.

### Hyster Stage IIIB trucks stand for profitable low emissions through intelligent design. They are recognisable by the Stage IIIB symbol.



The Standard Fortens model features a 2-speed (2F/2R) Electronic Powershift Transmission, with an optionally available **Soft Shift Power Reversal** function for handling delicate loads, which inhibits direction changes at speeds of over 3.5km/h. The Fortens Advance models feature the electronically controlled 3-speed (3F/2R) Duramatch<sup>™</sup> 3 transmission, providing:

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

**Controlled Power Reversal;** the Pacesetter VSM<sup>™</sup> controls the transmission to deliver smooth direction changes. The VSM reduces the throttle to slow the engine, initiates auto-deceleration to stop the truck, changes the transmission direction automatically and

increases the throttle to accelerate the truck. The system virtually eliminates tyre spin and shock loads on the transmission and significantly increases tyre life. As with ADS, the system is programmable via the dash display by a service technician, with settings from 1 to 10, to suit the needs of the application.

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

First Gear offers Increased Drawbar Pull for use on gradients.

**Second & Third Gears** (when available) provide maximum engine efficiency in applications where longer travel distances are common.

The Fortens Advance+ models feature the electronically controlled three-speed extended function DuraMatch<sup>™</sup> Plus3 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<sup>™</sup>3, 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<sup>™</sup> 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.

## **PRODUCT FEATURES**

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

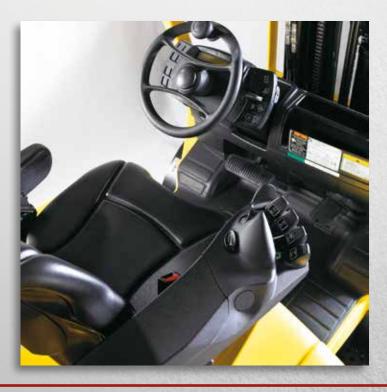
The standard Oil-immersed brakes offer reduced maintenance and repair time and costs, which results in extended truck dependability and uptime. These trucks are ideally suited to applications in wet, dirty or corrosive environments, and ensure consistent braking performance over the lifetime of the truck. This is thanks to the sealed unit that houses and protects the brakes, so preventing contaminants and damage.

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

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

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

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



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

- Operator space is optimised, thanks to a new overhead guard design and significantly more floor space.
- The easy-to-use 3-point entry design of operator compartment has an open non-slip step with a height of just 31.3 cm.
- The isolated drivetrain minimises the effect of powertrain vibration.
- The Full Suspension Seat together with the isolated powertrain provide best in class Whole-Body Vibration levels of 0.6m/s<sup>2</sup>, ensuring that the operator remains comfortable throughout the shift and fatigue, aches and pains are kept to a minimum.
- The TouchPoint<sup>™</sup> 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, 30cm 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."

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.





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