



# DIESEL AND LPG FORKLIFT TRUCKS

H1.5-2.0XTS



# H1.5XT, H1.8XT - DIESEL & LPG/DUAL FUEL

					_			
	1.1	Manufacturer		HYST		HYS		
	1.2	Manufacturer's type designation		H1.5		H1.5		
MAKES		Engine / transmission		Yanma Basic Pov			2.1L wershift	
₹		Lingine / Lansinission		1 spe		1 sp		
		Brake Type		Drum B	rakes	Drum E	Brakes	
1.	1.3	Drive: electric (battery or mains), diesel, petrol, LPG		Dies	el	LPG/Di	ual fuel	
1.	1.4	Operator type: hand, pedestrian, standing, seated, order-picker		Seat		Sea	ited	
	1.5	Rated capacity / rated load	Q (t)	1.5			.5	
	1.6	Load centre distance	c (mm)	50		50		
	1.8	Load distance, centre of drive axle to fork	x (mm)	410		41		
1.	1.9	Wheelbase	y (mm)	141	0	14	10	
2	2.1	Service weight (standard/dual tread)	ka	2765	2790	2675	2700	
_	2.2	Axle loading, laden front / rear	kg kg	3710	545	3680	495	
2	2.3	Axle loading, inladen front / rear	kg	1255	1510	1215	1460	
		ratio iscamily, amadem noticy roal		1200	1010	1210	1400	
3	3.1	Tyres: L = pneumatic, V = solid, SE = Pneumatic Shape Solid		SE			SE	
	3.2	Tyre size, front (standard tread)		6.0-			D-9	
3	3.2.1	Tyre size, front (dual tread)		21x8			(8-9	
3	3.3	Tyre size, rear		5.0-			D-8	
~ _	3.5	Number of wheels, front/rear (x = driven)		2x	2	2x	2	
3.	3.6	Tread, front (standard/dual tread)	b <sub>10</sub> (mm)	915	1000	915	1000	
	3.7	Tread, rear	b <sub>11</sub> (mm)	90		9	05	
4.	1.1	Tilt of mast / fork carriage forward / backward	α/β (°)	6	10	6	10	
	1.2	Height, mast lowered	h <sub>1</sub> (mm)	199			995	
4.	1.3	Free lift ¶	h <sub>2</sub> (mm)	14	i	14	45	
4.	1.4	Lift ¶	h <sub>3</sub> (mm)	303	5	30	)35	
4.	1.5	Height, mast extended ◆	h <sub>4</sub> (mm)	410	5	41	105	
	1.7	Height of overhead guard (cabin)	h <sub>6</sub> (mm)	216			60	
	1.8	Seat height relating to SIP/stand height O	h <sub>7</sub> (mm)	97		970		
	1.12	Coupling height	h <sub>10</sub> (mm)	295		295		
	1.19	Overall length	I <sub>1</sub> (mm)	320			200	
-	1.20	Length to face of forks	l <sub>2</sub> (mm)	228			280	
2 4.	1.21 1.22	Overall width Fork dimensions DIN ISO 2331	b <sub>1</sub> /b <sub>2</sub> (mm) s/e/l (mm)	1070 35 100	1190 920	1070 35 10	1190 00 920	
	1.23	Fork carriage ISO 2328, class/type A, B	5/6/1 (111111)	35   100	320		00   320 	
-	1.24	Fork carriage width ●	b <sub>3</sub> (mm)	920	1		20	
	1.31	Ground clearance, laden, below mast	m <sub>1</sub> (mm)	110			10	
	1.32	Ground clearance, centre of wheelbase	m <sub>2</sub> (mm)	120			20	
4.	1.34.1	Aisle width for pallets 1000 × 1200 crossways ◆	A <sub>st</sub> (mm)	356	5	35	565	
4.	1.34.2	Aisle width for pallets 800 × 1200 lengthways ◆	A <sub>st</sub> (mm)	336	5	33	365	
4.	1.35	Turning radius	Wa (mm)	196	0	19	960	
4.	1.41	90° intersecting aisle (with pallet L = 1000mm x W = 1200mm)	(mm)	184	5	18	345	
4.	1.42	Step height (from ground to running board)	(mm)	39	)	390		
4.	1.43	Step height (between intermediate steps and floor)	(mm)	24	)	240		
See	Service.							
	5.1	Travel speed, laden/unladen	km/h	17.0	18.0	18.0	19.0	
_	5.1.1	Travel speed, laden/unladen, backwards	km/h	17.0	18.0	18.0	19.0	
	5.2	Lift speed, laden/unladen	m/s	0.68	0.71	0.63	0.68	
_	5.3	Lowering speed, laden/unladen  Drawbar pull, laden	m/s kN	0.50	0.52	0.50	0.52	
_	5.7	Gradeability, laden/unladen ††	% KIN	36	24	37	24	
5.	5.10	Service brake	70	Hydra		Hydr.		
J.				iiyuia		l		
							7//21	
7	7.1	Engine manufacturer/type		Yanmar/	TNE92	GCT	/NZI	
	7.1	Engine manufacturer/type Engine power according to ISO 1585	kW	Yanmar/4		GCT 3	/NZ1 31	
	7.2	Engine manufacturer/type Engine power according to ISO 1585 Rated speed	kW min-1	Yanmar/4 29 205		3		
7. 3 7.		Engine power according to ISO 1585		29		3	31	
7. 7. 7. 7.	7.2 7.3	Engine power according to ISO 1585 Rated speed	min-1	29 205	0	3 22	250	
7. 7. 7. 7.	7.2 7.3 7.3.1	Engine power according to ISO 1585 Rated speed Torque at 1/min	min–1 Nm/min–1	29 205 143	0 1400 2659	3 22 144	81 250 1600	
7. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7	7.2 7.3 7.3.1 7.4	Engine power according to ISO 1585 Rated speed Torque at 1/min Number of cylinders/displacement	min-1 Nm/min-1 (-)/cm <sup>3</sup>	29 205 143 4	0 1400 2659	3 22 144 4	250 1600 2065	
7. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7	7.2 7.3 7.3.1 7.4	Engine power according to ISO 1585 Rated speed Torque at 1/min Number of cylinders/displacement Fuel consumption according to MIL 268C cycle	min-1 Nm/min-1 (-)/cm³ I/h or kg/h	29 205 143 4 2.3	0 1400 2659	144 4 1.5	250 1600 2065 2.3	
7. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7. WSIN	7.2 7.3 7.3.1 7.4	Engine power according to ISO 1585 Rated speed Torque at 1/min Number of cylinders/displacement Fuel consumption according to MIL 268C cycle	min-1 Nm/min-1 (-)/cm³ I/h or kg/h	29 205 143 4 2.3	0 1400 2659 3	144 4 1.5 12	250 1600 2065 2.3	
7. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7. WSIN	7.2 7.3 7.3.1 7.4 7.5 7.10	Engine power according to ISO 1585 Rated speed Torque at 1/min Number of cylinders/displacement Fuel consumption according to MIL 268C cycle Battery voltage/nominal capacity ♦	min-1 Nm/min-1 (-)/cm³ I/h or kg/h	29 205 143 4 2.3 12	0 1400 2659 3	144 4 1.5 12	250 1600 2065 2.3 55	
7. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7	7.2 7.3 7.3.1 7.4 7.5 7.10	Engine power according to ISO 1585 Rated speed Torque at 1/min Number of cylinders/displacement Fuel consumption according to MIL 268C cycle Battery voltage/nominal capacity ♦	min-1 Nm/min-1 (-)/cm³ I/h or kg/h	29 205 143 4 2.3 12	0 1400 2659 3	144 4 1.5 12	250 1600 2065 2.3 55	
WECHANISM 7.	7.2 7.3 7.3.1 7.4 7.5 7.10	Engine power according to ISO 1585 Rated speed Torque at 1/min Number of cylinders/displacement Fuel consumption according to MIL 268C cycle Battery voltage/nominal capacity ◆  Type of drive unit	min-1 Nm/min-1 (-)/cm³ //h or kg/h (V)/(Ah)	29 205 143 4 2.3 12	0 1400 2659 92 atic	3 22 144 4 1.5 12	81 250 1600 2065 2.3 55	
7. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7	7.2 7.3 7.3.1 7.4 7.5 7.10	Engine power according to ISO 1585  Rated speed  Torque at 1/min  Number of cylinders/displacement  Fuel consumption according to MIL 268C cycle  Battery voltage/nominal capacity ◆  Type of drive unit  Operating pressure for attachments	min-1 Nm/min-1 (-)/cm³ I/h or kg/h (V)/(Ah)	29 205 143 4 2.3 12 Autom	0 1400 2659 92 92 atic	3 22 144 4 1.5 12 Autoi	81 150 1600 2065 2.3 55 matic	
7. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7	7.2 7.3 7.3.1 7.4 7.5 7.10	Engine power according to ISO 1585 Rated speed Torque at 1/min Number of cylinders/displacement Fuel consumption according to MIL 268C cycle Battery voltage/nominal capacity ◆  Type of drive unit	min-1 Nm/min-1 (-)/cm³ //h or kg/h (V)/(Ah)	29 205 143 4 2.3 12	0 1400 2659 92 92 atic	3 22 144 4 1.5 12	81 250 1600 2065 2.3 55 matic	
WEGHANISM WEGHANISM WITH CHANGE DATA	7.2 7.3 7.3.1 7.4 7.5 7.10 3.1	Engine power according to ISO 1585 Rated speed Torque at 1/min Number of cylinders/displacement Fuel consumption according to MIL 268C cycle Battery voltage/nominal capacity ◆  Type of drive unit  Operating pressure for attachments Oil volume for attachments  □	min-1 Nm/min-1 (-1/cm³ l/h or kg/h (V)/(Ah)  bar l/min	29 205 143 4 2.3 12 Autom 18 62	0 1400 2659 92 92 atic	3 22 144 4 4 1.5 12 Auto	81 250 1600 2065 2.3 55 matic	
7. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7	7.2 7.3 7.3.1 7.4 7.5 7.1.10 8.10 10.1 10.2 10.3	Engine power according to ISO 1585 Rated speed Torque at 1/min Number of cylinders/displacement Fuel consumption according to MIL 268C cycle Battery voltage/nominal capacity ◆  Type of drive unit  Operating pressure for attachments Oil volume for attachments   Hydraulic oil tank, capacity	min-1 Nm/min-1 (-//cm³ l/h or kg/h (V)/(Ah)  bar l/min	29 205 143 4 2.3 12 Autom 18 62 23.	0 1400 2659 3 92 atic	3 22 144 4 4 1.5 12 Auto	81	

Specification data is based on VDI 2198

**EQUIPMENT AND WEIGHT:**Weights (line 2.1) are based on the following specifications: Complete truck with 3035mm TOF 2-stage limited free lift mast, with standard hook type carriage, 920mm forks with manual hydraulics, overhead guard and standard pneumatic shaped solid drive and steer tyres.

	HY	STER			HYS	TER		1.1		
	H1	.8XT			H1.8	BXT		1.2		
		ar 2.6L					블			
		owershi	ft	В	t		DISTINGUISHING MARKS			
		peed Brakes			1 sp Drum E				8	
		esel			LPG/Du			1.3	Ĭ	
		ated			Sea			1.4	2	
	1	.75			1.7			1.5	5	
	5	00			50	10		1.6		
	4	10			41	0		1.8		
	14	410			14	10		1.9		
30	00		3000	2920			2920	2.1	5	
40			660	4060			610	2.2	WEIGHTS	
12			1785	1185			1735	2.3	S	
-										
		SE				Ε		3.1		
		x8-9				8-9		3.2	¥	
		x8-9				8-9		3.2.1	ES &	
<b>—</b>		x7-8	•	0.	18x	7-8	•	3.3	옱	
91			1000	2x 915			1000	3.6	TYRES & CHASSIS	
31		30	1000	313	9:	30	1000	3.7	0,	
						J0				
6			10	6			10	4.1		
		995			19	195		4.2		
	1	45			14	45		4.3		
	3035				30	35		4.4		
	4		41	05		4.5				
	2				60		4.7			
	970					70 95		4.8		
_	295 3240 2220				4.12					
					4.19					
11'	2320 1135 1190 35 100 920		1190	1135		20	1190	4.20 4.21	Ĭ	
35			920	35	10	00	920	4.22	JIMENSIONS	
<u> </u>		II.				ı		4.23	SS	
		920			9:	20		4.24		
	1	10			1	10		4.31		
		20				20		4.32		
		605				05		4.34.1		
-		405				05		4.34.2		
-		995 895				195 195		4.35		
						90				
		390			- 3			4.41		
		390 240				40		4.41 4.42 4.43		
								4.42		
	7.0		18.5	18.0			19.5	4.42	_	
1	7.0 7.0		18.5	18.0			19.5	4.42 4.43 5.1 5.1.1	PERF	
0.	7.0 7.0 67		18.5 0.71	18.0 0.62			19.5 0.68	4.42 4.43 5.1 5.1.1 5.2	PERFORM	
0.	7.0 7.0 67 50	240	18.5	18.0	24	40	19.5	4.42 4.43 5.1 5.1.1 5.2 5.3	PERFORMANC	
0. 0.	7.0 7.0 67 50		18.5 0.71 0.52	18.0 0.62 0.50	24		19.5 0.68 0.52	5.1 5.1.1 5.2 5.3 5.5	PERFORMANCE DAT	
0. 0.	7.0 7.0 67 50 1	7.4	18.5 0.71	18.0 0.62	2:	3.1	19.5 0.68	4.42 4.43 5.1 5.1.1 5.2 5.3	PERFORMANCE DATA	
0. 0.	7.0 7.0 67 50 1	240	18.5 0.71 0.52	18.0 0.62 0.50	24	3.1	19.5 0.68 0.52	5.1 5.1.1 5.2 5.3 5.5 5.7	PERFORMANGE DATA	
0. 0.	7.0 7.0 67 50 1 32 Hyd	7.4 raulic	18.5 0.71 0.52	18.0 0.62 0.50	19 Hydra	3.1 aulic	19.5 0.68 0.52	5.1 5.1.1 5.2 5.3 5.5 5.7 5.10		
0. 0.	7.0 7.0 67 50 1 32 Hyd	7.4 raulic	18.5 0.71 0.52	18.0 0.62 0.50	19 Hydra GCT	0.1 aulic	19.5 0.68 0.52	5.1 5.1.1 5.2 5.3 5.5 5.7 5.10		
0.00	7.0 7.0 67 50 1 32 Hyd Yanma	7.4 raulic	18.5 0.71 0.52 22	18.0 0.62 0.50	19 Hydra GCT	3.1 aulic	19.5 0.68 0.52 22	5.1 5.1.1 5.2 5.3 5.5 5.7 5.10		
11 0.00	7.0 7.0 67 50 1 32 Hyd Yanma	7.4 raulic	18.5 0.71 0.52 22 2	18.0 0.62 0.50 33	19 Hydra GCT	0.1 aulic	19.5 0.68 0.52 22	5.1 5.1.1 5.2 5.3 5.5 5.7 5.10 7.1 7.2 7.3		
0.00	7.0 7.0 67 50 132 Hyd Yanma	7.4 raulic r/4TNE9 29	18.5 0.71 0.52 22	18.0 0.62 0.50 33	19 Hydra GCT	0.1 aulic	19.5 0.68 0.52 22 22 1600 2065	5.1 5.1.1 5.2 5.3 5.5 5.7 5.10 7.1 7.2 7.3 7.3.1		
11 0.00	7.0 7.0 67 50 1 32 Hyd Yanma 2 33	7.4 raulic	18.5 0.71 0.52 22 2	18.0 0.62 0.50 33	19 Hydra GCT	0.1 aulic	19.5 0.68 0.52 22	5.1 5.1.1 5.2 5.3 5.5 5.7 5.10 7.1 7.2 7.3	PERFORMANCE DATA PERFORMANCE DATA	
11 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	7.0 7.0 67 50 1 32 Hyd Yanma 2 33	7.4 raulic r/4TNE9 29	18.5 0.71 0.52 22 2 2 1400 2659	18.0 0.62 0.50 33 144 4 1.6	19 Hydra GCT	0.1 aulic	19.5 0.68 0.52 22 22 1600 2065 2.4	4.42 4.43 5.1 5.1.1 5.2 5.3 5.5 5.7 5.10 7.1 7.2 7.3 7.3.1 7.4 7.5		
11 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	7.0 7.0 7.0 67 67 50 1 32 Hyd  Yanma 2 33 4 2 2	7.4 raulic r/4TNE9 29	18.5 0.71 0.52 22 2 2 1400 2659	18.0 0.62 0.50 33 144 4 1.6	18 Hydra GCT 3 222	0.1 aulic	19.5 0.68 0.52 22 22 1600 2065 2.4	4.42 4.43 5.1 5.1.1 5.2 5.3 5.5 5.7 5.10 7.1 7.2 7.3 7.3.1 7.4 7.5		
11 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	7.0 7.0 7.0 67 67 50 1 32 Hyd  Yanma 2 33 4 2 2	7.4   raulic   7.4TNE9   7	18.5 0.71 0.52 22 2 2 1400 2659	18.0 0.62 0.50 33 144 4 1.6	18 Hydra GCT 3 222	40 40 30.1 11 11 1550	19.5 0.68 0.52 22 22 1600 2065 2.4	4.42 4.43 5.1 5.1,1 5.2 5.3 5.5 5.7 5.10 7.1 7.2 7.3 7.3.1 7.4 7.5 7.10		
11 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	7.0 7.0 7.0 67 50 1 32 Hyd  Yanma 2 33 4 2 Auto	7.4   raulic   7.4TNE9   7	18.5 0.71 0.52 22 2 2 1400 2659	18.0 0.62 0.50 33 144 4 1.6	18 Hydra GCT 3 222	10.1 n.1 n.1 n.1 n.1 n.1 n.1 n.1 n.1 n.1 n	19.5 0.68 0.52 22 22 1600 2065 2.4	4.42 4.43 5.1 5.1,1 5.2 5.3 5.5 5.7 5.10 7.1 7.2 7.3 7.3.1 7.4 7.5 7.10	PERFORMANCE DATA MEGHANISM	
11 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	7.0 7.0 7.0 67 550 132 Hyd Yanma 2 33 4 2 Auto	7.4   raulic   7.4TNE9   7.50	18.5 0.71 0.52 22 2 2 1400 2659	18.0 0.62 0.50 33 144 4 1.6	118 Hydrac GCT 3 3 222	3.1 aulic 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.	19.5 0.68 0.52 22 22 1600 2065 2.4	4.42 4.43 5.1 5.1.1 5.2 5.3 5.5 5.7 5.10 7.1 7.2 7.3 7.3.1 7.4 7.5 7.10	PERFORMANCE DATA MEGHANISM	
11 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	7.0 7.0 7.0 67 550 132 Hyd Yanma 2 33 4 2 Auto	7.4   7.4	18.5 0.71 0.52 22 2 2 1400 2659	18.0 0.62 0.50 33 144 4 1.6	2: 18 Hydra 3 3 222 Autoi	11 11 11 11 11 11 11 11 11 11 11 11 11	19.5 0.68 0.52 22 22 1600 2065 2.4	4.42 4.43 5.1 5.1.1 5.2 5.3 5.5 5.7 5.10 7.1 7.2 7.3 7.3.1 7.3.1 7.5 7.10	PERFORMANCE DATA MEGHANISM	
11 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	7.0 7.0 7.0 67 550 132 Hyd Yanma 2 33 4 2 Auto	7.7.4   raulic   7.7.4	18.5 0.71 0.52 22 2 2 1400 2659	18.0 0.62 0.50 33 144 4 1.6	2: 118 Hydr: 3 3 222 Autoi	Manufacture (Manufacture (Manuf	19.5 0.68 0.52 22 22 1600 2065 2.4	4.42 4.43 5.1 5.1,5.2 5.5 5.7 5.10 7.1 7.2 7.3 7.3.1 7.5 7.10	PERFORMANCE DATA MEGHANISM	
11 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2 7.0 7.0 7.0 6.67 5.50 1 32 Hydr Yanma 2 2 33 4 2 2 5 5 5 5 5 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7	7.4   7.4	18.5 0.71 0.52 22 2 2 1400 2659	18.0 0.62 0.50 33 144 4 1.6	2: 18 Hydra 3 3 222 Autoi	## ## ## ## ## ## ## ## ## ## ## ## ##	19.5 0.68 0.52 22 22 1600 2065 2.4	4.42 4.43 5.1 5.1.1 5.2 5.3 5.5 5.7 5.10 7.1 7.2 7.3 7.3.1 7.3.1 7.5 7.10		

# 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.

- ¶ Top of forks
- ♦ Add 32mm with load backrest
- Full suspension seat in depressed position
- Without load backrest, add 32mm with load backrest
- Stacking aisle width (lines 4.34 & 4.34.1 & 4.34.2) are based on the VDI 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
- 11 at 4.8km/h. Gradeability figures 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.
- Battery ampere hour (Ah) nominal capacity ratings are estimated.
- L<sub>PAZ</sub>, Measured according to the test cycles and based on the weighting values contained in EN12053

# **MAST TABLES:**

- without load backrest
- $\triangledown$  with load backrest

## NOTICE

Care must be exercised when handling elevated loads. When the carriage and/or load is elevated, truck stability is reduced. It is important that the mast tilt in either direction is 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 are subject to change without notice. Lift trucks illustrated may feature optional equipment. Values may vary with alternative configurations.

# C € Safety:

This truck conforms to the current EU requirements.

# **H2.OXTS - DIESEL & LPG/DUAL FUEL**

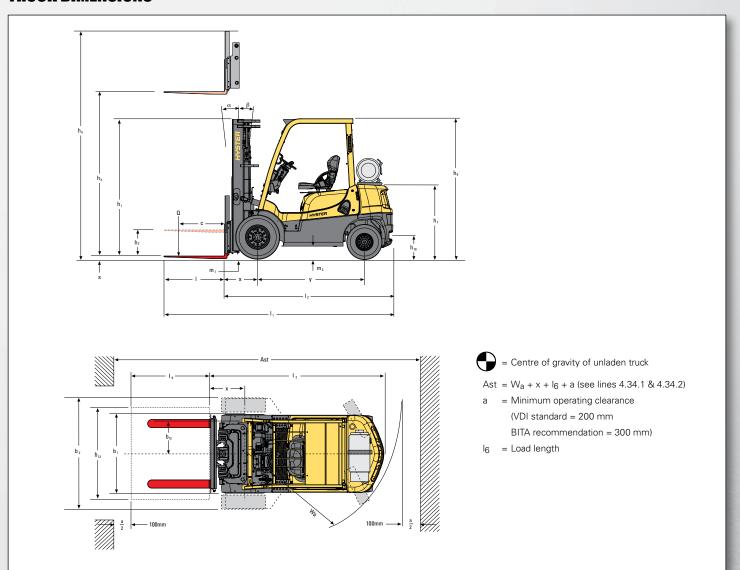
	1.1	Manufacturer		YSTER		STER	
ر س	1.2	Manufacturer's type designation		2.0XTS mar 2.6L		.0XTS 1 2.1L	
DISTINGUISHING MARKS		Engine / transmission	Basic	Powershift	Basic F	owershift	
2 2		Brake Type		speed n Brakes		peed Brakes	
墨	1.3	Drive: electric (battery or mains), diesel, petrol, LPG		liesel		Dual fuel	
	1.4	Operator type: hand, pedestrian, standing, seated, order-picker		eated		ated	
ISI I	1.5	Rated capacity / rated load Q (t)		2.0		2.0	
	1.6	Load centre distance c (mm)		500		500	
	1.8	Load distance, centre of drive axle to fork x (mm)		415		415	
	1.9	Wheelbase y (mm)		1410		410	
2	2.1	Service weight (standard/dual tread) kg	3220	3220	3140	3140	
NEIGHTS	2.2	Axle loading, laden front / rear kg	4505	715	4475	665	
3	2.3	Axle loading, unladen front / rear kg	1210	2010	1180	1960	
		T		0.5		0.5	
<u>~</u>	3.1	Tyres: L = pneumatic, V = solid, SE = Pneumatic Shape Solid  Tyre size, front (standard tread)	1	SE 1x8-9		SE 1x8-9	
ASS	3.2.1	Tyre size, front (dual tread)		1x8-9		1x8-9	
2	3.3	Tyre size, rear	1/2	8x7-8		3x7-8	
IYRES & CHASSIS	3.5	Number of wheels, front/rear (x = driven)	2x	2	2x	2	
F	3.6	Tread, front (standard/dual tread) b <sub>10</sub> (mm)	915	1000	915	1000	
	3.7	Tread, rear b <sub>11</sub> (mm)		930		930	
	4.1	Tilt of mast / fork carriage forward / backward $\alpha/\beta$ (°)	6	10	6	10	
	4.2	Height, mast lowered h <sub>1</sub> (mm)		1995		1995	
	4.3	Free lift ¶ h <sub>2</sub> (mm)		150		150	
	4.4	Lift ¶ h <sub>3</sub> (mm)		3040	3040		
	4.5	Height, mast extended ◆ h₄ (mm)		4105 2160 970		1105	
	4.7 4.8	Height of overhead guard (cabin) $h_6$ (mm) Seat height relating to SIP/stand height $O$ $h_7$ (mm)				2160 970	
	4.12	Coupling height h <sub>10</sub> (mm)	344 744 4 34			295	
	4.19	Overall length I <sub>1</sub> (mm)		3275 2355		3275	
ş	4.20	Length to face of forks I <sub>2</sub> (mm)	:			2355	
DIMENSIONS	4.21	Overall width b <sub>1</sub> /b <sub>2</sub> (mm)	1035	1190	1035	1190	
	4.22 4.23	Fork dimensions DIN ISO 2331 s/e/I (mm)	40	122 920 II	40	122 920 II	
	4.23	Fork carriage ISO 2328, class/type A, B  Fork carriage width ● b₃ (mm)		920		920	
	4.31	Ground clearance, laden, below mast m <sub>1</sub> (mm)		110		110	
	4.32	Ground clearance, centre of wheelbase m <sub>2</sub> (mm)		120		120	
	4.34.1	Aisle width for pallets 1000 × 1200 crossways ◆ A <sub>st</sub> (mm)		3640		3640	
	4.34.2	Aisle width for pallets 800 × 1200 lengthways ◆ Ast (mm)		3440	3440 2030		
	4.35 4.41	Turning radius $W_a$ (mm) $90^\circ$ intersecting aisle (with pallet L = 1000mm x W = 1200mm) (mm)		2030 1920		1920	
	4.42	Step height (from ground to running board) (mm)		390		390	
	4.43	Step height (between intermediate steps and floor) (mm)		240	240		
Sec.	A STATE OF						
≤	5.1	Travel speed, laden/unladen km/h	17.0	18.5	18.0	19.5	
PERFORMANCE DATA	5.1.1 5.2	Travel speed, laden/unladen, backwards km/h Lift speed, laden/unladen m/s	17.0 0.66	18.5 0.71	18.0 0.62	19.5 0.68	
i i	5.3	Lowering speed, laden/unladen m/s	0.50	0.52	0.50	0.52	
8	5.5	Drawbar pull, laden kN		17.5		19.2	
#	5.7	Gradeability, laden/unladen †† %	29	20	30	20	
1	5.10	•			Hydraulic		
	5.10	Service brake	Hy	draulic	нус	irauric	
	W. Fair	Service brake	Main and the second				
ATA	7.1 7.2	•	Main and the second	draulic ar/4TNE92 29		2T/K21 31	
ICE DATA	7.1 7.2 7.3	Service brake Engine manufacturer/type	Yanma	ar/4TNE92	GC	T/K21	
RMANCE DATA	7.1 7.2 7.3 7.3.1	Engine manufacturer/type           Engine power according to ISO 1585         kW           Rated speed         min-1           Torque at 1/min         Nm/min-1	Yanma	ar/4TNE92 29 2050 1400	GC	2T/K21 31 2250 1600	
RFORMANCE DATA	7.1 7.2 7.3 7.3.1 7.4	Engine manufacturer/type Engine power according to ISO 1585 kW Rated speed min-1 Torque at 1/min Nm/min-1 Number of cylinders/displacement (-1/cm³	Yanma	ar/4TNE92 29 2050 1400 2659	144 4	2T/K21 31 2250 1600 2065	
PERFORMANCE DATA	7.1 7.2 7.3 7.3.1 7.4 7.5	Engine manufacturer/type Engine power according to ISO 1585 kW Rated speed min-1 Torque at 1/min Nm/min-1 Number of cylinders/displacement (-1/cm³ Fuel consumption according to MIL 268C cycle //h or kg/h	143 4	ar/4TNE92 29 2050 1400 2659 2.5	144 4 1.7	27/K21 31 2250 1600 2065 2.6	
PERFORMANCE DATA	7.1 7.2 7.3 7.3.1 7.4	Engine manufacturer/type Engine power according to ISO 1585 kW Rated speed min-1 Torque at 1/min Nm/min-1 Number of cylinders/displacement (-1/cm³	Yanma	ar/4TNE92 29 2050 1400 2659	144 4	2T/K21 31 2250 1600 2065	
VE/LIFT PERFORMANGE DATA	7.1 7.2 7.3 7.3.1 7.4 7.5	Engine manufacturer/type Engine power according to ISO 1585 kW Rated speed min-1 Torque at 1/min Nm/min-1 Number of cylinders/displacement (-1/cm³ Fuel consumption according to MIL 268C cycle //h or kg/h	Yanma 143 4 12	ar/4TNE92 29 2050 1400 2659 2.5	144 4 1.7 12	27/K21 31 2250 1600 2065 2.6	
DRIVE/LIFT MECHANISM PERFORMANCE DATA	7.1 7.2 7.3 7.3.1 7.4 7.5 7.10	Engine manufacturer/type Engine power according to ISO 1585 kW Rated speed min-1 Torque at 1/min Nm/min-1 Number of cylinders/displacement (-1/cm³ Fuel consumption according to MIL 268C cycle l/h or kg/h Battery voltage/nominal capacity ◆ (V//(Ah)	Yanma 143 4 12	ar/4TNE92 29 2050 1400 2659 2.5	144 4 1.7 12	2T/K21 31 2250 1600 2065 2.6 55	
DRIVE/LIFT MECHANISM PERFORMANCE DATA	7.1 7.2 7.3 7.3.1 7.4 7.5 7.10	Engine manufacturer/type Engine power according to ISO 1585 kW Rated speed min-1 Torque at 1/min Nm/min-1 Number of cylinders/displacement (-1/cm³ Fuel consumption according to MIL 268C cycle l/h or kg/h Battery voltage/nominal capacity ◆ (V)/(Ah)  Type of drive unit	143 4 12	ar/4TNE92 29 2050 1400 2659 2.5 92 comatic	144 4 1.7 12	2T/K21 31 2250 1600 2065 2.6 55	
DRIVE/LIFT MECHANISM	7.1 7.2 7.3 7.3.1 7.4 7.5 7.10	Engine manufacturer/type Engine power according to ISO 1585 kW Rated speed min-1 Torque at 1/min Nm/min-1 Number of cylinders/displacement (-)/cm³ Fuel consumption according to MIL 268C cycle l/h or kg/h Battery voltage/nominal capacity ◆ (V)/(Ah)  Type of drive unit	143 4 12	ar/4TNE92 29 2050 1400 2659 2.5 92 omatic	144 4 1.7 12	2T/K21 31 2250 1600 2065 2.6 55	
DRIVE/LIFT MECHANISM	7.1 7.2 7.3 7.3.1 7.4 7.5 7.10 8.1	Engine manufacturer/type Engine power according to ISO 1585 kW Rated speed min-1 Torque at 1/min Nm/min-1 Number of cylinders/displacement (-1/cm³ Fuel consumption according to MIL 268C cycle l/h or kg/h Battery voltage/nominal capacity ◆ (V)/(Ah)  Type of drive unit  Operating pressure for attachments bar Oil volume for attachments  I/min	Yanma  143  4  12	ar/4TNE92 29 2050 1400 2659 2.5 92 comatic 181 62	144 4 1.7 12	2T/K21 31 2250 1600 2065 2.6 55 55	
DRIVE/LIFT MECHANISM	7.1 7.2 7.3 7.3.1 7.4 7.5 7.10 8.1	Engine manufacturer/type Engine power according to ISO 1585 kW Rated speed min-1 Torque at 1/min Nm/min-1 Number of cylinders/displacement (-1/cm³ Fuel consumption according to MIL 268C cycle l/h or kg/h Battery voltage/nominal capacity ◆ (VI/(Ah)  Type of drive unit  Operating pressure for attachments □ bar Oil volume for attachments □ l/min Hydraulic oil tank, capacity	Yanma  143  4  12	ar/4TNE92 29 2050 1400 2659 2.5 92 omatic 181 62 23.5	144 4 1.7 12	2T/K21 31 2250 1600 2065 2.6 55	
DRIVE/LIFT MECHANISM	7.1 7.2 7.3 7.3.1 7.4 7.5 7.10 8.1	Engine manufacturer/type Engine power according to ISO 1585 kW Rated speed min-1 Torque at 1/min Nm/min-1 Number of cylinders/displacement (-1/cm³ Fuel consumption according to MIL 268C cycle l/h or kg/h Battery voltage/nominal capacity ◆ (V)/(Ah)  Type of drive unit  Operating pressure for attachments bar Oil volume for attachments  I/min	Yanma  143  4  12	ar/4TNE92 29 2050 1400 2659 2.5 92 comatic 181 62	144 4 1.7 12	T/K21 31 2250 1600 2065 2.6 55  omatic 81	
ADDITIONAL DATA MECHANISM PERFORMANCE DATA	7.1 7.2 7.3 7.3.1 7.4 7.5 7.10 8.1 10.1 10.2 10.3 10.4	Engine manufacturer/type Engine power according to ISO 1585 kW Rated speed min-1 Torque at 1/min Nm/min-1 Number of cylinders/displacement (-1/cm³ Fuel consumption according to MIL 268C cycle l/h or kg/h Battery voltage/nominal capacity ◆ (V)/(Ah)  Type of drive unit  Operating pressure for attachments □ Dil volume for attachments □ Hydraulic oil tank, capacity I	Yanma  143  4  12  Aut	ar/4TNE92 29 2050 1400 2659 2.5 92 comatic 181 62 23.5 52.0	144 4 1.7 12	7T/K21 31 2250 1600 2065 2.6 55 55	

Specification data is based on VDI 2198

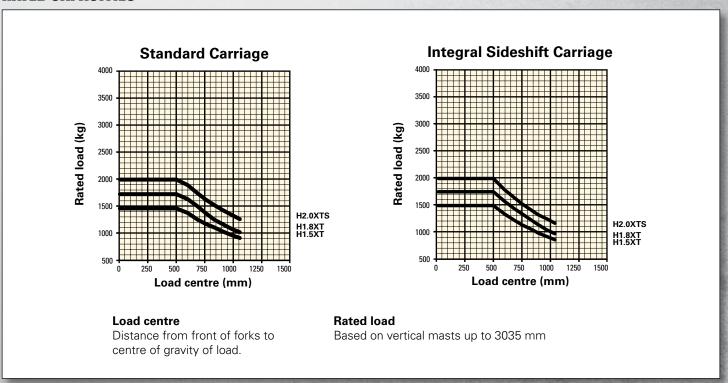
# **EQUIPMENT AND WEIGHT:**

Weights (line 2.1) are based on the following specifications: Complete truck with 3040mm TOF 2-stage limited free lift mast, with standard hook type carriage, 920mm forks with manual hydraulics, overhead guard and standard pneumatic shaped solid drive and steer tyres.

# TRUCK DIMENSIONS



# **RATED CAPACITIES**



# **MAST AND CAPACITY INFORMATION**

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

# **MASTS H1.5-1.8XT**

Mast	Maximum fork height (mm)	Back tilt	Overall lowered height (mm)	Overall Extended height (mm) *	Free lift (top of forks) (mm) □
2-Stage	3035	10	1995	4105	145
Limited	3335	10	2145	4405	145
Free Lift	4035	6	2595	5105	145
1100 Lin	4835	6	2995	5905	145
2-Stage	3025	10	1995	4095	890
Full Free Lift	3325	10	2145	4395	1040
	4375	6	1995	5445	890
	4527	6	2045	5595	940
3-Stage Full Free Lift	4825	6	2145	5895	1040
ruii rree Liπ	5125	6	2245	6195	1140
	6025	6	2595	7095	1490

# **MASTS H2.0XTS**

Mast	Maximum fork height (mm)	Back tilt	Overall lowered height (mm)	Overall Extended height (mm) *	Free lift (top of forks) (mm) □
2-Stage	3040	10	1995	4105	145
Limited	3340	10	2145	4405	145
Free Lift	4040	6	2595	5105	145
1100 Lin	4840	6	2995	5905	145
2-Stage	3030	10	1995	4095	890
Full Free Lift	3330	10	2145	4395	1040
	4380	6	1995	5445	890
0.04	4532	6	2045	5595	940
3-Stage Full Free Lift	4832	6	2145	5895	1040
ruii rree Liπ	5130	6	2245	6195	1140
	6030	6	2595	7095	1490

# H1.5-2.0XTS - Capacity Chart in kg @ 500mm Load Centre - Pneumatic Shaped Solid Tyres

MAST	Maximum fork height (mm)	Without Sideshift		With ISS & FP		Maximum Fork Height (mm)	Without Sideshift	With ISS & FP
MAGI	Tork neight (min)	H2.0XT	H2.5XT	H2.0XT	H2.5XT	Height (illin)	H3.0XT	H3.0XT
	3035	1500	1750	1500	1750	3040	2000	2000
2-Stage	3335	1500	1750	1500	1750	3340	2000	2000
Limited Free Lift	3735	1500	1750	1500	1750	3740	2000	2000
Limitou Froo Liit	4035	1500	1750	1500	1750	4040	2000	2000
	4835	1410	1660	1410	1660	4840	1880	1880
2-Stage	3025	1500	1750	1500	1750	3030	2000	2000
Full Free Lift	3325	1500	1750	1500	1750	3330	2000	2000
	4375	1500	1680	1500	1680	4380	1930	1930
3-Stage	4527	1470	1660	1470	1660	4532	1900	1900
Full Free Lift	4825	1410	1590	1410	1590	4832	1840	1840
	5125	1360	1520	1360	1520	5130	1720	1720
	6025	1090	1270	1110	1270	6030	1200	1200

# H1.5-2.0XTS - Capacity Chart in kg @ 600mm Load Centre - Pneumatic Shaped Solid Tyres

MAST	Maximum fork height (mm)	Without	Sideshift	With ISS & FP		Maximum Fork Height (mm)	Without Sideshift	With ISS & FP
	ion noight (mm)	H2.0XT	H2.5XT	H2.0XT	H2.5XT	- Height (IIIII)	H3.0XT	H3.0XT
	3035	1460	1690	1400	1630	3040	1930	1850
2-Stage Limited Free Lift	3335	1450	1690	1400	1620	3340	1920	1850
Limited Free Litt	4035	1440	1670	1380	1610	4040	1910	1840
	4835	1340	1560	1290	1500	4840	1790	1720
	5035	1290	1520	1250	1470	5040	1750	1680
2-Stage	3025	1450	1680	1390	1620	3030	1920	1850
Full Free Lift	3325	1450	1680	1390	1610	3330	1910	1840
0.04	4375	1440	1610	1380	1540	4380	1840	1770
3-Stage Full Free Lift	4527	1410	1590	1360	1520	4532	1810	1750
ruii rree Litt	4825	1340	1520	1290	1450	4832	1750	1680
	5125	1290	1450	1220	1410	5130	1680	1610
	6025	1070	1220	1020	1180	6030	1220	1220

# H1.5-2.0XTS - Capacity Chart in kg @ 700mm Load Centre - Pneumatic Shaped Solid Tyres

MAST	Maximum fork height (mm)	Without Sideshift		With ISS & FP		Maximum Fork Height (mm)	Without Sideshift	With ISS & FP
	•	H2.0XT	H2.5XT	H2.0XT	H2.5XT	• • •	H3.0XT	H3.0XT
	3035	1320	1490	1270	1480	3040	1750	1690
2-Stage	3335	1320	1490	1270	1480	3340	1750	1690
Limited Free Lift	4035	1310	1490	1260	1470	4040	1740	1670
	4835	1220	1430	1180	1380	4840	1630	1560
2-Stage	3025	1320	1490	1270	1480	3030	1750	1680
Full Free Lift	3325	1320	1490	1270	1470	3330	1740	1680
	4375	1310	1470	1260	1410	4380	1680	1610
2 04	4527	1270	1430	1220	1380	4532	1660	1590
3-Stage Full Free Lift	4825	1220	1380	1180	1340	4832	1590	1520
run riee Liit	5125	1180	1320	1130	1270	5130	1520	1470
	6025	980	1130	930	1090	6030	1200	1200

NOTE: To calculate truck capacities with alternative truck specifications to the ones shown in the above tables, please use the Hy-Rater software.

# **STANDARD FEATURES & OPTIONS**

# **STANDARD EQUIPMENT**

Complete truck equipped with:

- 2-Stage limited free lift (LFL) mast with lift height of 3035mm
- Hook-type carriage with 1070mm high load backrest (LBR)
- 920mm long forks
- Yanmar 2.6L Diesel or GCT K21 LPG / Dual fuel
- Powershift Single Speed Transmission
- Directional control lever
- Single inch / brake pedal
- Shift Lever: Left hand on column
- Comfort full suspension seat
- Pneumatic shaped solid tyres
- 2 cowl mounted hydraulic levers
- Standard integrated dash display
  - + Monochrome LCD panel
    - Real time clock
    - Hour meter
    - Fasten seatbelt
    - Fuel level with low fuel warning buzzer (Diesel fuel only)
  - + Service Indicators
    - Service required
    - Coolant temperature with high temp warning buzzer
    - Alternator with warning buzzer
    - -Transmission oil temperature with warning buzzer
    - Engine oil pressure with low pressure warning buzzer
    - Glow lamp (Diesel fuel engine only)
    - Error message
- Key starting with anti-restart function
- Steering Wheel with Spinner Knob
- Synchronous Steering
- Electric Horn
- Infinitely adjustable steering column
- Rubber floor mat
- High air intake
- Counterweight exhaust
- Black seat belt
- Serpentine radiator
- Hyster Stability Mechanism<sup>™</sup> (HSM)
- Swing down LPG tank bracket (H1.8-2.0XTS)

#### Cabin

- Over Head Guard (OHG) with rain gutter and cup holder
- 82 dB(A) standard noise level for LPG/Dual fuel engine option
- 81 dB(A) standard noise level for Diesel engine option
- 12 months / 2000 hours manufacturer's warranty
- Operator's manual

# **OPTIONAL EQUIPMENT**

#### Masts

- 2-Stage limited free lift (LFL) masts with up to 5040mm lift height
- 2-Stage full free lift (FFL) masts with up to 4130mm lift height
- 3-Stage full free lift (FFL) masts with up to 6030mm lift height

#### **Carriages**

Integral side shift (ISS) carriage

# **Hydraulic Valve and Levers**

- 3-function cowl mounted hydraulic levers with or without interlock for clamping
- 4-function cowl mounted hydraulic levers with or without interlock for clamping

### **Forks**

Fork lengths are available from 1070mm to 2120mm

#### Controls

■ Monotrol<sup>™</sup> Pedal

# **Dash Display**

- Speedometer with speed alarm and warning buzzer
- Traction speed limiter (H1.5XT Diesel)
- Audible reverse alarm

# Lights

- Light Kit consisting of: 2 Front Halogen Work Light, Brake / Tail / Back-Up Lights with Turn Signals and reverse alarm
- LED Front Work Light
- LED Rear Combination Light
- Rear Work Light Reverse Operated
- Rear Work Light Switch Operated

#### **Environmental**

- Vertical exhaust
- 2-way catalytic muffler
- Spark arrestor muffler
- High capacity radiator
- Anti Clog Radiator with Lint Screen
- Tilt Cylinder Boots
- High mount pre-cleaner

#### Other

- Hydraulic cut-out seat interlock (prevents travel when operator seatbelt is not used)
- Lexan Overhead Guard Cover
- Rear Drive Handle with Horn Button
- 2 rear vision mirrors

# 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**

Centennial House, Frimley Business Park, Frimley, Surrey, GU16 7SG, England. Tel: +44 (0) 1276 538500





infoeurope@hyster.com // /HysterEurope





@HysterEurope





HYSTER-YALE UK LIMITED trading as Hyster Europe. Registered Address: Centennial House, Building 4.5, Frimley Business Park, Frimley, Surrey GU16 7SG, United Kingdom. Registered in England and Wales. Company Registration Number: 02636775.

HYSTER, 👫 and FORTENS are registered trademarks in the European Union and certain other jurisdictions.

MONOTROL® is a registered trademark, and DURAMATCH and 🖭 are trademarks in the United States and in certain other jurisdictions

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