



**STRONG PARTNERS.  
TOUGH TRUCKS.™**



# **TECHNICAL GUIDE J1.6-2.0UTT SERIES**



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# > J1.6UTT / J1.8UTT / J2.0UTT

GENERAL	1-1	Manufacturer			HYSTER		HYSTER		HYSTER	
	1-2	Model designation			J1.6UTT		J1.8UTT		J2.0UTT	
	1-3	Drive			Electric (battery)		Electric (battery)		Electric (battery)	
	1-4	Operator type			Seated		Seated		Seated	
	1-5	Rated capacity/rated load	Q <sub>1</sub>	t	1600		1800		2000	
	1-6	Load centre distance	c	mm	500		500		500	
	1-8	Load distance, centre of drive axle to fork	x	mm	371		371		371	
	1-9	Wheelbase	y	mm	1400		1400		1515	
WEIGHT	2-1	Service weight		kg	3120		3190		3380	
	2-2	Axle loading with load, front / rear		kg	4010	660	4420	510	4870	580
	2-3	Axle loading without load, front / rear		kg	1480	1640	1500	1690	1580	1810
WHEELS	3-1	Tyre type			Superelastic		Superelastic		Superelastic	
	3-2	Tyre size, front			18x7-8		18x7-8		200x50-10	
	3-3	Tyre size, rear			15x4-1	2-8	15x4-1	2-8	15x4-1	2-8
	3-5	Wheels, number front / rear (x = driven wheels)			2x	2	2x	2	2x	2
	3-6	Tread, front	b <sub>10</sub>	mm	933		933		952	
	3-7	Tread, rear	b <sub>11</sub>	mm	186		186		186	
	3-7	Tread, rear		(°)	6.5	6.5	6.5	6.5	6.5	6.5
DIMENSIONS	4-1	Tilt of mast / fork carriage forward / backward			1992		1992		1990	
	4-2	Height, mast lowered	h <sub>1</sub>	mm	35		35		54	
	4-3	Free lift (1)	h <sub>2</sub>	mm	3036		3036		3045	
	4-4	Lift Height (1)	h <sub>3</sub>	mm	4030		4030		4000	
	4-5	Height, mast extended (3)	h <sub>4</sub>	mm	2002		2002		2004	
	4-7	Height of overhead guard (cabin) (4)	h <sub>6</sub>	mm	965		965		965	
	4-8	Seat height relating to SIP (2)	h <sub>7</sub>	mm	445		445		485	
	4-12	Coupling height	h <sub>10</sub>	mm	2894		2894		3153	
	4-19	Overall length	l <sub>1</sub>	mm	1974		1974		2084	
	4-20	Length to face of forks	l <sub>2</sub>	mm	1084		1084		1140	
	4-21	Overall width	b <sub>1</sub> /b <sub>2</sub>	mm	35 / 100 / 920		35 / 100 / 920		40 / 122 / 1070	
	4-22	Fork dimensions DIN ISO 2331	s/e/l	mm	2A		2A		2A	
	4-23	Fork carriage ISO 2328, class/type A, B		mm	951		951		950	
	4-24	Fork carriage width (3)	b <sub>3</sub>	mm	200		200		240	
	4-25	Distance between fork-arms	b <sub>5</sub>	mm	89	890	89	890	88	890
	4-31	Ground clearance, laden, below mast	m <sub>1</sub>	mm	96		96		95	
	4-32	Ground clearance, centre of wheelbase	m <sub>2</sub>	mm	3290		3290		3445	
	4-34-1	Aisle width for pallets 1000 × 1200 crossways	Ast	mm	3415		3415		3410	
	4-34-4	Aisle width for pallets 800 × 1200 lengthways	Ast	mm	1601		1601		1716	
	4-35	Turning radius	W <sub>a</sub>	mm	0		0		0	
	4-36	Internal turning radius	b <sub>13</sub>	mm	14.0		14.0		14.0	
PERFORMANCE	5-1	Travel speed with / without load	km	h	352	500	349	500	310	500
	5-2	Lifting speed with / without load	mm	s	411	485	425	485	425	485
	5-3	Lowering speed with / without load	mm	s	15,500		15,000		15,500	
	5-6	Max. drawbar pull with / without load, 3 minute rating	N		10,000		10,500		12,000	
	5-8	Max. gradeability with/without load, 5 minute rating	%		20	30	20	30	20	30
	5-9	Acceleration time, with / without load	s		4.46	4.35	4.46	4.35	5.98	5.63
	5-10	Service brake			Hydraulic		Hydraulic		Hydraulic	
	6-1	Drive motor rating S2 60 min	kW		2 x 5		2 x 5		2 x 5	
	6-2	Lift motor rating at S3 15% rating	kW		11		11		11	
	6-3	Battery according to DIN 43531/35/36 A, B, C, no	m	s	no		no		no	
MOTOR	6-4	Battery voltage/nominal capacity K5	V	Ah	48	460	48	460	48	600
	6-5	Battery weight	kg		945		945		1088	
	6-6	Power consumption in accordance with VDI cycle	kWh	h	5.19		5.30		5.7	
	10-1	Type of drive unit			ACE2 2uC / ZAPI		ACE2 2uC / ZAPI		AC / ZAPI	
OTHER	10-2	Operating pressure for attachments (5)	bar		145		175		175	
	10-3	Oil volume for attachments	l	min	38		38		38	
	10-4	Sound pressure level at the driver's seat LPAZ (6)	dB	A	64.8		64.8		69.6	
	10-5	Towing coupling, type DIN			Yes / Pin		Yes / Pin		Yes / Pin	

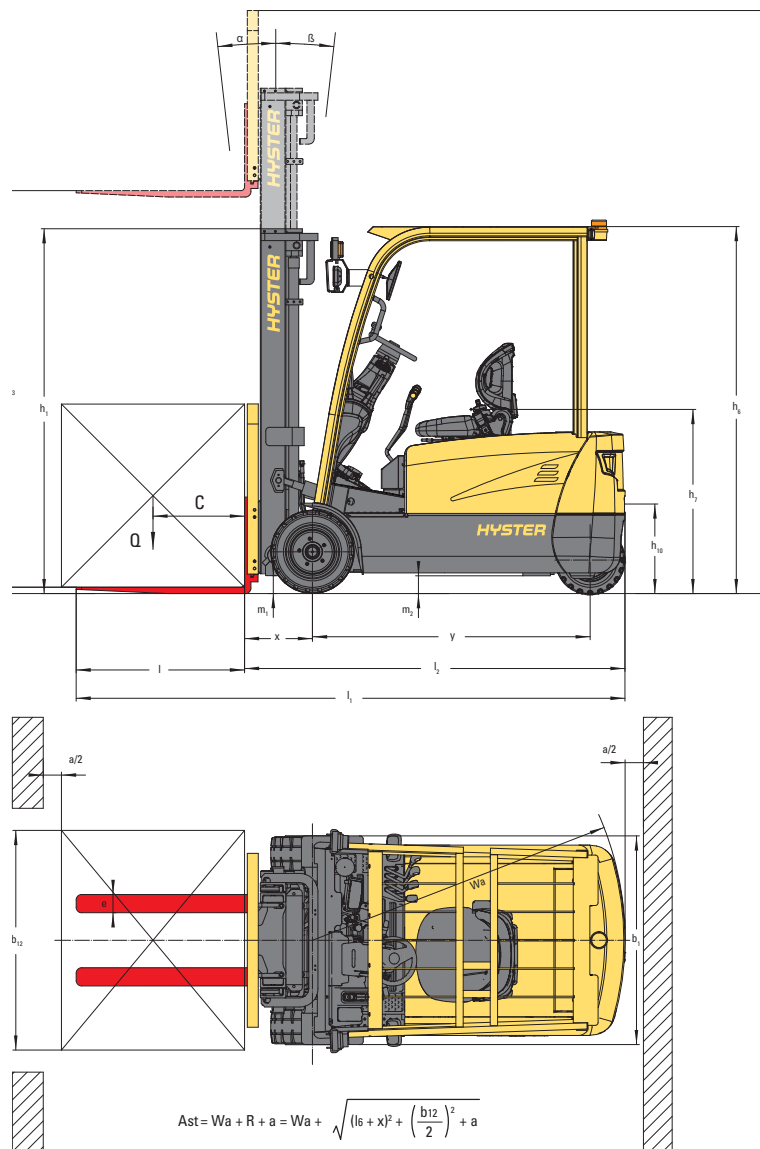
## MODEL TABLE NOTES:

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.

- (1) Bottom of forks
- (2) Full suspension specified.
- (3) Without load backrest
- (4) h<sub>6</sub> subject to +/- 5 mm tolerance.
- (5) Variable
- (6) LPAZ, measured according to the test cycles and based on the weighting values contained in EN12053

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

Specification data is based on VDI 2198.



## MAST AND CAPACITY INFORMATION

### J1.6-2.0UTT RATED CAPACITY KG@ 500 MM LOAD CENTRE

	Maximum fork height h3 + s (mm)	Mast Tilt		Lowered height h1 (mm)	Extended height h4 (mm)		Free Lift		Load Capacity		
		Forward tilt (deg)	Back tilt (deg)		Without Load Backrest	With Load Backrest	Without Load Backrest	With Load Backrest	1.6t	1.8t	2.0t
2-STAGE LIMITED FREE LIFT	3000	6.5	6.5	1975	3490	4010	0	0	1600	1800	2000
	3300	6.5	6.5	2125	3790	4310	0	0	1600	1800	2000
	3500	6.5	6.5	2225	3990	4510	0	0	1600	1800	2000
	3700	6.5	6.5	2325	4190	4710	0	0	1600	1800	2000
	4000	3.5	5	2525	4490	5010	0	0	1600	1800	2000
	4500	3.5	5	2775	4990	5510	0	0	1400	1600	1800
	5000	3.5	5	3025	5490	6010	0	0	1250	1450	1500
	5500	3.5	5	3325	5990	6510	0	0	1150	1200	1300
	6000	3.5	5	3575	6490	7010	0	0	1050	1100	1200
2-STAGE FULL FREE LIFT	3300	6.5	6.5	2125	3790	4310	1660	1140	1600	1800	2000
	3700	6.5	6.5	2325	4190	4710	1860	1340	1600	1800	2000
3-STAGE FULL FREE LIFT	4350	3.5	5	1975	4840	5360	1510	990	1500	1700	1900
	4800	3.5	5	2125	5290	5810	1660	1140	1300	1500	1650
	5000	3.5	5	2225	5490	6010	1760	1240	1250	1450	1500
	5500	3.5	5	2390	5990	6510	1925	1405	1150	1200	1300
	6000	3.5	5	2575	6490	7010	2110	1590	1050	1100	1200



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