

H14XD6 FORKLIFT

14.5T DIESEL HEAVY DUTY FORKLIFT



> H13XD6 / H14XD6 SPECIFICATIONS

				HYSTER		HYSTER		
GENERAL	1-1	Manufacturer		HYSTER		HYSTER		
	1-2	Model designation		H13XD6		H14XD6		
	1-3	Powertrain / drivetrain		Diesel		Diesel		
	1-4	Operator type		Seated		Seated		
	1-5	Rated capacity / rated load	Q	kg	13,500	14,500	14,500	
	1-6	Load centre distance	c	mm	600	600	600	
	1-8	Load distance	x	mm	889	889	889	
	1-9	Wheelbase	y	mm	3,300	3,300	3,300	
	WEIGHT	2-1	Service weight (1)		18,403		19,208	
2-2		Axle loading with load, front / rear		kg	29,537	2,366	30,970	2,738
2-3		Axle loading without load, front / rear		kg	9,945	8,458	9,927	9,281
WHEELS	3-1	Tyre type		Pneumatic		Pneumatic		
	3-2	Tyre size, front		12.00-20 20PR		12.00-20 20PR		
	3-3	Tyre size, rear		12.00-20 20PR		12.00-20 20PR		
	3-5	Wheels, number front / rear (x = driven wheels)		4X / 2		4X / 2		
	3-6	Tread, front	b10	mm	1,842	1,842	1,842	
	3-7	Tread, rear	b11	mm	2,000	2,000	2,000	
	DIMENSIONS	4-1	Mast tilt, forward / backward	α/β	deg	15° / 12°	15° / 12°	15° / 12°
4-2		Height, mast lowered	h1	mm	4,193	4,193	4,193	
4-3		Free lift	h2	mm	0	0	0	
4-4		Lift	h3	mm	4,910	4,910	4,910	
4-5		Height, mast extended	h4	mm	6,648	6,648	6,648	
4-7		Height of overhead guard (open cab)	h6	mm	3,083	3,083	3,083	
4-7-1		Height of overhead guard (closed cab)	h6	mm	3,110	3,110	3,110	
4-7-2		Height of overhead guard (closed cab w/ aircon)	h6	mm	3,110	3,110	3,110	
4-7-3		Height of overhead guard (closed cab w/ strobe light)	h6	mm	3,205	3,205	3,205	
4-7-4		Height of overhead guard (closed cab w/ work lights)	h6	mm	3,259	3,259	3,259	
4-7-5		Height of overhead guard (closed cab w/ aircon & strobe light)	h6	mm	3,235	3,235	3,235	
4-8		Seat height to SIP	h7	mm	1,903	1,903	1,903	
4-12		Coupling height	h10	mm	717	717	717	
4-16		Overhang	l5	mm	809	809	809	
4-19		Overall length	l1	mm	6,828	6,828	6,828	
4-20		Length to face of forks	l2	mm	4,998	4,998	4,998	
4-21		Overall width	b2	mm	2,541	2,541	2,541	
4-22		Fork dimensions ISO 2331	s/e/l	mm	90 / 200 / 1.830	90 / 200 / 1.830	90 / 200 / 1.830	
4-23		Fork carriage type			85 mm pin type carriage		85 mm pin type carriage	
4-24		Fork carriage width	b3	mm	2,496	2,496	2,496	
4-25		Distance between fork-arms	b5	mm	470	2,420	470	2,420
4-30	Sideshift	b8	mm	0	0	0		
4-31	Ground clearance, laden, below mast	m1	mm	245	245	245		
4-32	Ground clearance, centre of wheelbase	m2	mm	341	341	341		
4-33	Load dimension b12 x l6 crossways		mm	1,200	1,200	1,200	1,200	
4-34-1-2	Aisle width, with 200 mm operating clearance	Ast	mm	6,873	6,873	6,873		
4-34-1-3	Aisle width, with 10% operating clearance	Ast	mm	7,340	7,340	7,340		
4-35	Outside turning radius	W6	mm	4,584	4,584	4,584		
4-36	Internal turning radius	b13	mm	1,890	1,890	1,890		
PERFORMANCE	5-1	Travel speed, with / without load (2)		km/h	27.4	29.0	27.4	29.0
	5-1-1	Travel speed, with / without load backwards (2)		km/h	On request		On request	
	5-2	Lifting speed, with / without load		m/s	0.41	0.46	0.41	0.46
	5-3	Lowering speed with / without load		m/s	0.50	0.48	0.50	0.48
	5-5	Drawbar pull - 1.6 km/h 1 mph, with / without load		kN	109	111	108	111
	5-5-1	Drawbar pull - stall, with / without load		kN	121	123	121	123
	5-7	Gradeability - 1.6 km/h 1 mph, with / without load		%	37	37	35	35
	5-7-1	Gradeability - stall, with / without load		%	42	37	39	35

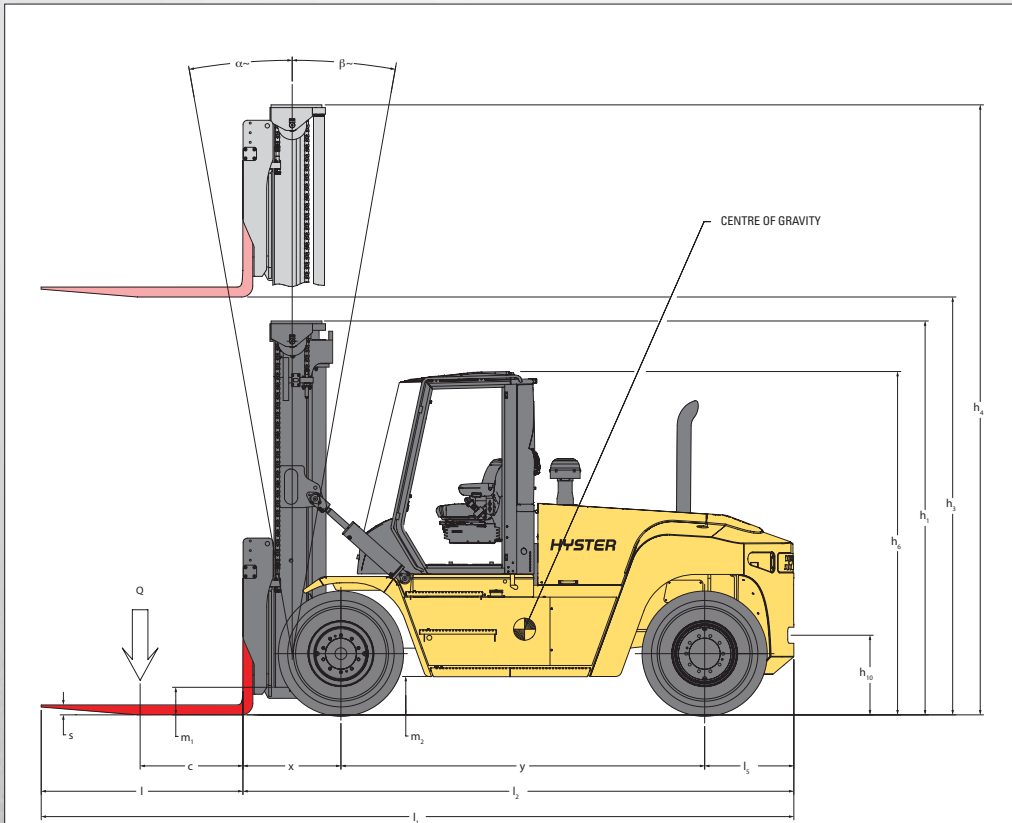
- (1) Based on Stage IV engine and standard pin type carriage
 (2) Travel speed unladen limited at 25 km/h as factory default

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> DIMENSIONS



= Centre of gravity of unladen truck

$$A_{ST} = W_a + x + l_6 + a \text{ (if } b_{12}/2 < b_{13})$$

$$A_{ST} = W_a + ((l_6+x)^2 + (b_{12}/2-b_{13})^{0.5}) + a \text{ (if } b_{12}/2 > b_{13} \text{ and } W_a > b_{13}, b_{12}/2)$$

$$A_{ST} = b_{13} + b_{12}/2 \text{ ((} l_6+x)^2 + (b_{12}/2-b_{13})^{0.5}) + a \text{ (if } b_{12}/2 > b_{13} \text{ and } W_a < b_{13}, b_{12}/2)$$

a = Minimum operating clearance = 10% of A_{ST}
(VDI standard = 200 mm BITA recommendation = 300 mm)

l_6 = load lengths

b_{12} = load width

Standard pin type carriage

