

H16XD12 FORKLIFT

16.0T DIESEL HEAVY DUTY FORKLIFT



> H16XD9 / H16XD12 SPECIFICATIONS

GENERAL	1-1		HYSTER		HYSTER			
	1-1	Manufacturer		HYSTER		HYSTER		
1-2	Model designation		H16XD9		H16XD12			
1-3	Powertrain / drivetrain		Diesel		Diesel			
1-4	Operator type		Seated		Seated			
1-5	Load capacity at load center, nominal (1)	Q	kg	16,000	16,000			
1-6	Load center distance	c	mm	900	1,200			
1-8	Load distance	x	mm	973	973			
1-9	Wheelbase	y	mm	3,750	3,750			
WEIGHT	2-1	Service weight (1)	kg	21,837		23,337		
	2-2	Axle loading with load, front / rear	kg	35,318	2,519	36,537	2,799	
	2-3	Axle loading without load, front / rear	kg	11,326	10,510	11,266	12,071	
WHEELS	3-1	Tyre type		Pneumatic		Pneumatic		
	3-2	Tyre size, front		12.00 R 20		12.00 R 20		
	3-3	Tyre size, rear		12.00 R 20		12.00 R 20		
	3-5	Wheels, number front / rear (x = driven wheels)		4X / 2		4X / 2		
	3-6	Tread, front	b10	mm	2,218	2,218		
	3-7	Tread, rear	b11	mm	1,994	1,994		
	4-1	Mast tilt, forward / backward	α/β	deg	6° / 10°	6° / 10°		
DIMENSIONS	4-2	Height, mast lowered	h1	mm	3,985		3,985	
	4-3	Free lift	h2	mm	0		0	
	4-4	Lift	h3	mm	4,494		4,494	
	4-5	Height, mast extended	h4	mm	6,232		6,232	
	4-7	Height of overhead guard (closed cab)	h6	mm	3,110		3,110	
	4-7-1	Height of overhead guard (closed cab)	h6	mm	3,110		3,110	
	4-7-2	Height of overhead guard (closed cab w/ strobe light)	h6	mm	3,110		3,110	
	4-7-3	Height of overhead guard (closed cab w/ work lights)	h6	mm	3,205		3,205	
	4-7-4	Height of overhead guard (closed cab w/ work lights)	h6	mm	3,259		3,259	
	4-7-5	Height of overhead guard (closed cab w/ aircon & strobe light)	h6	mm	3,235		3,235	
	4-8	Seat height to SIP	h7	mm	1,903		1,903	
	4-12	Coupling height	h10	mm	713		713	
	4-16	Overhang	l5	mm	791		791	
	4-19	Overall length	l1	mm	7,954		7,954	
	4-20	Length to face of forks	l2	mm	5,514		5,514	
	4-21	Overall width	b2	mm	2,542		2,542	
	4-22	Fork dimensions ISO 2331	s/e/d1	mm	100 / 200 / 2,440		100 / 200 / 2,440	
	4-23	Fork carriage type			Dual Function - Sideshift/Fork Positioning		Dual Function - Sideshift/Fork Positioning	
	4-24	Fork carriage width	b3	mm	2,540		2,540	
	4-25	Width over forks (min / max) cylinders inner position	b5	mm	555	1,045	555	1,045
	4-25	Width over forks (min / max) cylinders outer position	b5	mm	1,875	2,445	1,875	2,445
	4-30	Sideshift @ width over forks	b9	mm	+/-98		+/-98	
	4-30	Sideshift @ width over forks cylinders inner position	b8	mm	+/-350		+/-350	
	4-30	Sideshift @ width over forks cylinders outer position	b8	mm	+/-350		+/-350	
	4-31	Ground clearance, laden, below mast	m1	mm	187		187	
	4-32	Ground clearance, centre of wheelbase	m2	mm	341		341	
	4-33	Load dimension b12 x l6 crossways		mm	2,400	2,400	2,400	2,400
4-34-1-2	Aisle width, with 200 mm operating clearance	Ast	mm	8,773		8,773		
4-34-1-3	Aisle width, with 10% operating clearance	Ast	mm	9,430		9,430		
4-35	Outside turning radius	Wa	mm	5,200		5,200		
4-36	Internal turning radius	b13	mm	2,026		2,026		
PERFORMANCE	5-1	Travel speed, with / without load (2)	km/h	27.1	28.7	27.1	28.7	
	5-1-1	Travel speed, with load locked / without load (2)	km/h	On request		On request		
	5-2	Lifting speed, with / without load backwards	m/s	0.39	0.44	0.39	0.44	
	5-2-1	Lifting speed, with 70% load	m/s	0.42		0.42		
	5-3	Lowering speed with / without load	m/s	0.54	0.45	0.54	0.45	
	5-5	Drawbar pull - 1.6 km/h 1 mph, with / without load	kN	106	109	106	109	
	5-5-1	Drawbar pull - stall, with / without load	kN	120	123	120	123	
	5-7	Gradeability - 1.6 km/h 1 mph, with / without load	%	30	36	29	33	
5-7-1	Gradeability - stall, with / without load	%	35	36	33	33		

(1) Based on Stage IIIB engine
 (2) Travel speed unladen limited at 25 km/h as factory default

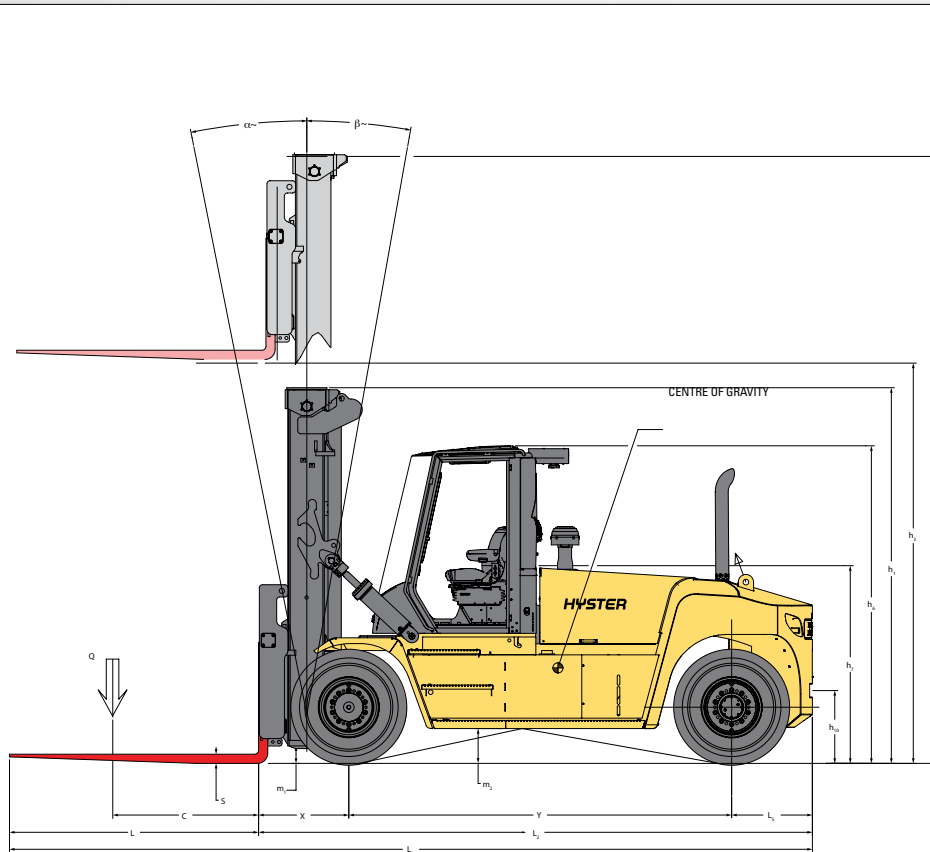
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 (2) Travel spe

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> DIMENSIONS



● = Centre of gravity of unladen truck

$$A_{ST} = W_0 + x + l_6 + a \text{ (if } b_{12}/2 < b_{13})$$

$$A_{ST} = W_0 + ((l_6+x)^2 + (b_{12}/2-b_{13})^2)^{0.5} + a \text{ (if } b_{12}/2 > b_{13} \text{ and } W_0 > b_{13} + b_{12}/2)$$

$$A_{ST} = b_{13} + b_{12}/2 \cdot ((l_6+x)^2 + (b_{12}/2-b_{13})^2)^{0.5} + a \text{ (if } b_{12}/2 > b_{13} \text{ and } W_0 < b_{13} + b_{12}/2)$$

a = Minimum operating clearance = 10% of A_{ST}

(VDI standard = 200 mm BITA recommendation = 300 mm)

l_6 = load lengths

b_{12} = load width

GENERAL	1-1	M
	1-2	M
	1-3	Pe

ENGINE	7-1	En
	7-1a	EP
	7-2	En
	7-2-1	En
	7-3	Ra
	7-3-1	En
	7-4	Nu
	7-8	Alt
	7-9	Elc
	7-10	Ba

DRIVE	8-1	Dr
	8-2	Tré
	8-4	Tré
	8-5	Co
	8-6	Wl
	8-11	Se
	8-12	Pa

MISC	10-1	Op
	10-2	Oil
	10-3	Hy
	10-4	Fu
	10-4-1	DE
	10-5	Sti
	10-6	Nu
	10-7	So
	10-7-1	So
	10-7-1	To