

H16XD9 FORKLIFT

16.0T DIESEL HEAVY DUTY FORKLIFT



> H16XD9 / H16XD12 SPECIFICATIONS

GENERAL	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	
WEIGHT	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	
	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
WHEELS	2-3	Axle loading without load, front / rear		kg	11,326	10,510	11,266	12,071
	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	
DIMENSIONS	3-6	Tread, front	b ₁₀	mm	2,218		2,218	
	3-7	Tread, rear	b ₁₁	mm	1,994		1,994	
	4-1	Mast tilt, forward / backward	α/β	deg	6° / 10°		6° / 10°	
	4-2	Height, mast lowered	h ₁	mm	3,985		3,985	
	4-3	Free lift	h ₂	mm	0		0	
PERFORMANCE	4-4	Lift	h ₃	mm	4,494		4,494	
	4-5	Height, mast extended	h ₄	mm	6,232		6,232	
	4-7	Height of overhead guard (closed cab)	h ₆	mm	3,083		3,083	
	4-7-1	Height of overhead guard (closed cab)	h ₆	mm	3,110		3,110	
	4-7-2	Height of overhead guard (closed cab w/ strobe light)	h ₆	mm	3,110		3,110	
PERFORMANCE	4-7-3	Height of overhead guard (closed cab w/ work lights)	h ₆	mm	3,205		3,205	
	4-7-4	Height of overhead guard (closed cab w/ work lights)	h ₆	mm	3,259		3,259	
	4-7-5	Height of overhead guard (closed cab w/ aircon & strobe light)	h ₆	mm	3,235		3,235	
	4-8	Seat height to SIP	h ₇	mm	1,903		1,903	
	4-12	Coupling height	h ₁₀	mm	713		713	
PERFORMANCE	4-16	Overhang	l ₅	mm	791		791	
	4-19	Overall length	l ₁	mm	7,954		7,954	
	4-20	Length to face of forks	l ₂	mm	5,514		5,514	
	4-21	Overall width	b ₂	mm	2,542		2,542	
	4-22	Fork dimensions ISO 2331	s/e/l	mm	100 / 200 / 2,440		100 / 200 / 2,440	
PERFORMANCE	4-23	Fork carriage type			Dual Function - Sideshift/Fork Positioning		Dual Function - Sideshift/Fork Positioning	
	4-24	Fork carriage width	b ₃	mm	2,540		2,540	
	4-25	Width over forks (min / max) cylinders inner position	b ₅	mm	555	1,045	555	1,045
	4-25	Width over forks (min / max) cylinders outer position	b ₅	mm	1,875	2,445	1,875	2,445
	4-30	Sideshift @ width over forks	b ₉	mm	+/-98	2250	+/-98	2250
PERFORMANCE	4-30	Sideshift @ width over forks cylinders inner position	b ₈	mm	+/-350	1745	+/-350	1745
	4-30	Sideshift @ width over forks cylinders outer position	b ₈	mm	+/-350	1175	+/-350	1175
	4-31	Ground clearance, laden, below mast	m ₁	mm	187		187	
	4-32	Ground clearance, centre of wheelbase	m ₂	mm	341		341	
	4-33	Load dimension b ₁₂ × l ₆ crossways		mm	2,400	2,400	2,400	2,400
PERFORMANCE	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	W _a	mm	5,200		5,200	
	4-36	Internal turning radius	b ₁₃	mm	2,026		2,026	
	5-1	Travel speed, with / without load (2)		km/h	27.1	28.7	27.1	28.7
PERFORMANCE	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
PERFORMANCE	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

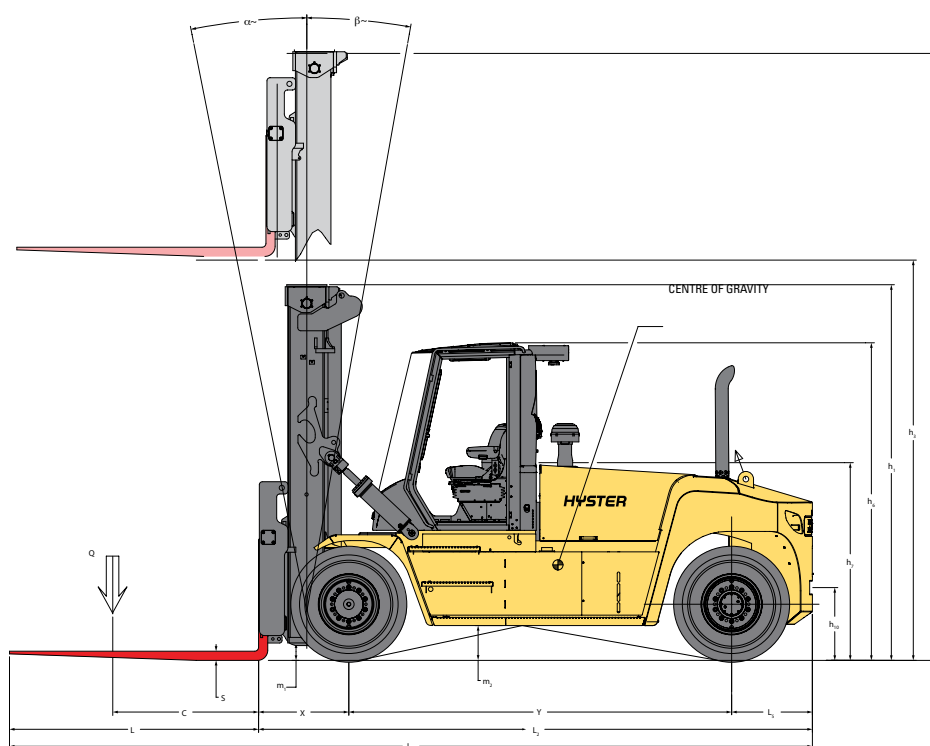
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> DIMENSIONS



● = Centre of gravity of unladen truck

$A_{ST} = W_s + x + l_6 + a$ (if $b_{12}/2 < b_{13}$)
 $A_{ST} = W_s + ((l_6+x)^2 + (b_{12}/2-b_{13})^{0.5} + a$ (if $b_{12}/2 > b_{13}$ and $W_s > b_{13} + b_{12}/2$)
 $A_{ST} = b_{13} + b_{12}/2 ((l_6+x)^2 + (b_{12}/2-b_{13})^{0.5} + a$ (if $b_{12}/2 > b_{13}$ and $W_s < b_{13} + b_{12}/2$)
 a = Minimum operating clearance = 10% of A_{ST}
 (VDI standard = 200 mm BITA recommendation = 300 mm)
 l_6 = load length
 b_{12} = load width

GENERAL	1-1	M
	1-2	M
	1-3	P

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	Ele
	7-10	Ba

DRIVE	8-1	Dr
	8-2	Tr
	8-4	Tr
	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	St
	10-6	Nu
	10-7	So
	10-7-1	So
	10-7-1	To