



SPECIFICATIONS

HYSTER Pallet Truck Model W45ZHD

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GENERAL	1	Manufacturer		Hyster					
	2	Model Designation		W45Z ^{HD}					
	3	Power Type		24 Volt					
	4	Operator Type		Pedestrian					
	5	Rated Capacity	lb (kg)	4500 (2041)					
	6a	Fork Length – Nominal	in (mm)	36 (914)	40 (1023)	42 (1067)	48 (1219)	48 (1219)	
	6b	Fork Length – Actual	in (mm)	34 (866)	40.3 (1023)	43 (1084)	46 (1169)	48 (1219)	
	7	Fork Overall Width	in (mm)	27 (685)	26 (670)	27 (685)	27 (685)	27 (685)	
	8	Fork Width (Individual Fork)	in (mm)	7 (172)					
DIMENSIONS	9	Load Distance – Face of Forks to Center of Load Wheels	in (mm)	25 (635)	31 (791)	37 (931)	40 (1016)	40 (1016)	
	10a	Wheelbase – Raised	in (mm)	41.0 (1042)	47.2 (1199)	49.6 (1261)	53.0 (1346)	53.0 (1346)	
	10b	Wheelbase – Lowered	in (mm)	44.2 (1122)	50.4 (1279)	52.8 (1340)	56.1 (1425)	56.1 (1425)	
	11	Overall Length	in (mm)	56.8 (1442)	63.0 (1599)	65.4 (1660)	68.7 (1745)	70.7 (1795)	
	12a	Center of Load Wheel to Tip of Forks – Raised	in (mm)	9.1 (231)	9.1 (231)	9.1 (231)	9.1 (231)	11.1 (283)	
	12b	Center of Load Wheel to Tip of Forks – Lowered	in (mm)	6.1 (155)	6.0 (153)	6.1 (155)	6.1 (155)	8.1 (205)	
	13a	Outside Turning Radius (Bumper) - Raised	in (mm)	47.6 (1208)	53.8 (1367)	57.1 (1449)	59.5 (1511)	59.5 (1511)	
		Outside Turning Radius (Bumper) - Lowered	in (mm)	50.8 (1289)	57.0 (1448)	60.3 (1530)	62.7 (1592)	62.7 (1592)	
	13b	Outside Turning Radius (Handle) - Raised	in (mm)	48.9 (1242)	55.4 (1407)	57.5 (1460)	60.8 (1545)	60.8 (1545)	
		Outside Turning Radius (Handle) - Lowered	in (mm)	52.1 (1320)	58.6 (1489)	61.6 (1565)	64.1 (1627)	64.1 (1627)	
	15	Right Angle Stack – Raised	in (mm)	59.6 (1514)	60.1 (1526) ¹	62.6 (1590)	70.6 (1792)	70.6 (1792)	
	16	Equal Intersecting Aisle – Raised	in (mm)	48.3 (1228)	52.5 (1334) ¹	55.0 (1396)	56.8 (1443)	56.8 (1443)	
	17a	Grade Clearance	Chassis	%	67				
	17b		Center of Wheelbase	%	45	38 ³	36	34	34
	17c		Forks	%	74	74	74	74	59
	18	Overall Lift Height – Top of Forks	in (mm)	8.4 (214)					
	19	Lowered Height – Top of Forks	in (mm)	3.3 (84)					
	20	Total Lift	in (mm)	5.1 (130)					
	21	Truck Overall Width	in (mm)	28.0 (712)					
	22	Chassis Length	in (mm)	22.7 (576)					
	23	Battery Compartment – Standard	in (mm)	26.5 x 8.2 x OPEN (672 x 208 x OPEN)					
	PERFORMANCE	24	Maximum Travel Speed – Chassis First – NL/RL	mph (kph)	3.7/3.7 (6.0/6.0)	3.5/3.5 (6.6/5.6)	3.7/3.7 (6.0/6.0)	3.7/3.7 (6.0/6.0)	3.7/3.7 (6.0/6.0)
		25	Maximum Travel Speed – Forks First – NL/RL	mph (kph)	3.7/3.7 (6.0/6.0)	3.5/3.5 (6.6/5.6)	3.7/3.7 (6.0/6.0)	3.7/3.7 (6.0/6.0)	3.7/3.7 (6.0/6.0)
26		Number of Speeds		Infinitely Variable					
27		Traction Motor Control Method Type		AC Transistor					
28	Service Brake Type		Electro-Mechanical						
WT.	29	Truck Weight (approximate) Without Battery – NL/RL	lb (kg)	624.0/5124.0 (283.0/2324.0)	732.0 ⁴ / 5232.0 ⁴ (332.0 / 2373.0)	650.0/5150.0 (295.0/2336.0)	659.0/5159.0 (299.0/2340.0)	659.0/5159.0 (299.0/2340.0)	
	30	Axle Loading, Drive, Static w/Max. Wt Battery – NL	lb (kg)	767 (348)	772 (350)	783 (355)	783 (355)	783 (355)	
	31	Axle Loading, Load Wheel, Static w/Max. Wt Battery – NL	lb (kg)	137 (62)	121 (55)	128 (58)	128 (58)	128 (58)	
WHEELS	32	Drive Tire – Size/Type (Number of Wheels)	in	10.0 x 4.0/Polyurethane (1)					
	33	Load Wheel – Size/Type (Number of Wheels)	in	3.35 x 4.3/ Polyurethane (2)	3.25" x 4.5"/ Polyurethane (2)	3.35 x 4.3/Polyurethane (2)			
	34	Caster Wheel – Size/Type (Number of Wheels)	in	3.25 x 1.5/Spring Loaded Polyurethane (2)					
BATTERY	35	Battery Type		Lead Acid					
	36	Ampere Hours – Maximum	ah	300	225	300	300	300	
	37	Ampere Hours – Minimum	ah	158					
	38	Maximum Weight	lb (kg)	377 (171)					
	39	Minimum Weight	lb (kg)	309 (140)					

RL = Rated Load; NL = No Load

NOTE: Above specifications, unless otherwise listed, are for a standard truck without optional equipment. Right Angle Stack and Equal Intersecting Aisle are calculated using a 40" wide pallet.

¹ Measured using a 42" X 40" pallet

² Measured using a 36" X 36" pallet

³ Measured to the bottom of a GMA approved pallet on the forks while they are in the raised position

⁴ With delivery moveable load backrest

CERTIFICATION: These Hyster® lift trucks meet design specifications of Part II ANSI B56.1-1969, as required by OSHA Section 1910.178(a)(2) and also comply with Part III ANSI B56.1-revision in effect at time of manufacture. Certification of compliance with the applicable ANSI standards appears on the lift truck. Performance specifications are for a truck equipped as described under Standard Equipment on this Technical Guide. Performance specifications are affected by the condition of the vehicle and how it is equipped, as well as by the nature, condition of the operating area, proper service and maintenance of the vehicle. If these specifications are critical, the proposed application should be discussed with your dealer.