

8,000/9,000/10,000 lb Capacities

4 Wheel Electric Forklift Trucks

MAIN VEHICLE SPECIFICATIONS

CHARACTERISTICS	1	Manufacture			DOOSAN	DOOSAN	DOOSAN
	2	Model			B40X-5	B45X-5	B50X-5
	3	Load Capacity	at rated load center	lb(kg)	8000(4000)	9000(4500)	10000(5000)
	4	Load Center		in(mm)	24(500)	24(500)	24(500)
	5	Power type			electric	electric	electric
	6	Operator type			Driver seated	Driver seated	Driver seated
	7	Tire type	P:Pneu, E:Solid Soft, C: Cush		E	E	E
	8	Wheels (x=Driven)			2x / 2	2x / 2	2x / 2
DIMENSIONS	9	Max. Fork Height	with STD 2-stage mast	in(mm)	130(3300)	130(3300)	130(3300)
	10	Free Lift		in(mm)	5.9(150)	6.3(160)	6.3(160)
	12	Fork Carriage	ISO Class		III	III	IV
	13	Forks	Length x Width x Thickness	in(mm)	2.0 x 5.9 x 41.3 (50 x 150 x 1050)	2.0 x 5.9 x 41.3 (50 x 150 x 1050)	2.0 x 5.9 x 41.3 (50 x 150 x 1050)
			Fork Spacing(Min x Max)	in(mm)	12.2 x 46.5 (310 x 1182)	12.2 x 46.5 (310 x 1182)	13.4 x 50.8 (340 x 1290)
	14	Tilt of Mast	Forward / Backward	deg	6 / 9	6 / 9	6 / 9
	15	Overall Dimensions	Length to Fork Face	in(mm)	120.6(3062)	120.6(3062)	121.7(3092)
	16		Overall Width	in(mm)	57.9(1470)	57.9(1470)	57.9(1470)
	17		Mast Lowered Height	in(mm)	91.7(2330)	92.1(2340)	92.1(2340)
	18		Mast Extended Height	in(mm)	164.2(4170)	164.6(4180)	165.6(4205)
	19		Overhead Guard Height	in(mm)	91.7(2330)	91.9(2335)	91.9(2335)
	20		Seat Height	in(mm)	50.5(1282)	50.7(1288)	50.7(1288)
	21	Turning Radius	Minimum outside	in(mm)	108.7(2760)	108.7(2760)	109.6(2785)
	22	Load Moment Center		in(mm)	22.7(577)	22.7(577)	22.7(577)
	23	Aisle 90 degree stacking(add load length & clearance)		in(mm)	178.6(4537)	178.6(4537)	179.6(4562)
PERFORMANCE	24	Travel Speed	Loaded / Unloaded	mph(km/h)	9.3 / 9.9 (15 / 16)	9.3 / 9.9 (15 / 16)	9.3 / 9.9 (15 / 16)
	25	Lifting Speed	Loaded / Unloaded	fpm(mm/s)	68.9 / 92.5 (350 / 470)	65.0 / 88.6 (330 / 450)	61.0 / 88.6 (310 / 450)
	26	Low e d	Loaded / Unloaded	fpm(mm/s)	94.5 / 88.6 (480 / 450)	94.5 / 88.6 (480 / 450)	94.5 / 88.6 (480 / 450)
	28	Max. drawbar pull	Loaded / Unloaded(5 min. rating)	lbf(kgf)	4608.5 / 4789.3 (2090 / 2172)	4383.5 / 4608.5 (1988 / 2090)	4136.6 / 4136.6 (1876 / 1876)
	30	Max. gradeability	Loaded / Unloaded(5 min. rating)	%	19 / 31	17 / 29	15 / 25
WEIGHT	32	Total Service Weight	with minimum weight of battery	lb(kg)	15410.3(6990)	16248.0(7370)	17107.9(7760)
	33	Axle Load at Loaded	Front / Rear	lb(kg)	21508.3 / 2720.5 (9756 / 1234)	22379.1 / 3789.7 (10151 / 1719)	24469.1 / 3639.8 (11099 / 1651)
	34	Axle Load at Unloaded	Front / Rear	lb(kg)	7941.0 / 7469.3 (3602 / 3388)	7116.5 / 9131.5 (3228 / 4142)	7544.2 / 9563.6 (3422 / 4338)
CHASSIS	35	Tires	Number of wheels(F/ R)		2/2	2/2	2/2
	36		Size, Front		250-15	28x12.5-15	28x12.5-15
	37		Size, Rear		7.00-12	7.00-12	7.00-12
	38	Wheel Base	Distance	in(mm)	78.7(2000)	78.7(2000)	78.7(2000)
	39	Tread Width	Front	in(mm)	46.0(1168)	45.7(1160)	45.7(1160)
			Rear	in(mm)	43.7(1111)	43.7(1111)	43.7(1111)
	40	Ground Clearance	at the lowest point	in(mm)	5.1(130)	5.1(130)	5.1(130)
			at center of wheelbase	in(mm)	6.3(160)	6.3(160)	6.3(160)
	42	Brakes	Service		FOOT/ HYD	FOOT/ HYD	FOOT/ HYD
			Parking		HAND / MECH	HAND / MECH	HAND / MECH
POWER TRAIN	45	Battery	Type		DIN43536A	DIN43536A	DIN43536A
			Capacity (5 Hours Rating)	V/AH	80 / 720	80 / 720	80 / 720
			Battery compartment sizes(WxLxH)	in	40.5x39.0x30.9 (1028x990x784)	40.5x39.0x30.9 (1028x990x784)	40.5x39.0x30.9 (1028x990x784)
			Weight (Minimum)	lb(kg)	4761.9(2160)	4761.9(2160)	4761.9(2160)
	47	Electric Motors	Drive motor(1 HR Rating)	HP(kW)	14.7X2.7 (11X2)	14.7X2.7 (11X2)	14.7X2.7 (11X2)
48	Hyd. Motor(15% Duty)		HP(kW)	34.9(26)	34.9(26)	34.9(26)	
54	Control Type	Drive and hydraulic	type	Inverter AC	Inverter AC	Inverter AC	
57	Relief Pressure	System	psi(bar)	2755.0(190)	3045.0(210)	3335.0(230)	
		Attachment	psi(bar)	2247.5(155)	2247.5(155)	2247.5(155)	

Note: Specification values quoted in this specification sheet has been rounded. Performance may vary due to operation conditions. Products and specifications are subject to improvement and change without prior notices.