

4,000/5,000/6,000/6,500 lb. Capacities

4 Wheel Electric Forklift Trucks

Pneumatic Models, 48V-AC

MAIN VEHICLE SPECIFICATIONS

CHARACTERISTICS				DOOSAN	DOOSAN	DOOSAN	DOOSAN
1	Manufacturer			DOOSAN	DOOSAN	DOOSAN	DOOSAN
2	Model			B20S-5	B25S-5	B30S-5	B32S-5
3	Load Capacity	at rated load center	lb(kg)	4000(2000)	5000(2500)	6000(3000)	6400(3200)
4	Load Center		in(mm)	24(500)	24(500)	24(500)	24(500)
5	Power Type			AC electric	AC electric	AC electric	AC electric
6	Operator Type			driver seated	driver seated	driver seated	driver seated
7	Tire Type	P: Pneu, E: Solid Soft, C: Cush		P, E	P, E	P, E	P, E
8	Wheels (x=Driven)			x 2 / 2	x 2 / 2	x 2 / 2	x 2 / 2
9	Max. Fork Height	with STD 2-stage mast	in(mm)	127(3230)	127(3230)	127(3230)	127(3230)
10	Free Lift		in(mm)	5.8(147)	5.8(147)	6.0(152)	6.0(152)
12	Fork Carriage	ISO Class		II	II	III	III
13	Forks	Length x Width x Thickness	in(mm)	41.3 x 3.9 x 1.6 (1050 x 100 x 40)	41.3 x 3.9 x 1.6 (1050 x 100 x 40)	41.3 x 3.9 x 1.6 (1050 x 100 x 40)	41.3 x 4.9 x 1.8 (1050 x 125 x 45)
		Fork Spacing(Min x Max)	in(mm)	10.8 x 40.7 (275 x 1035)	10.8 x 40.7 (275 x 1035)	11.3 x 41.1 (286 x 1044)	11.3 x 41.1 (286 x 1044)
14	Tilt of Mast	Forward/Backward	deg	6 / 10	6 / 10	6 / 10	6 / 10
15	Overall Dimensions	Length to Fork Face	in(mm)	86.5 (2196)	87.6 (2226)	93.6 (2377)	94.8 (2407)
		Overall Width	in(mm)	47.2 (1200)	47.2 (1200)	47.2 (1200)	47.2 (1200)
		Mast Lowered Height	in(mm)	84.3 (2140)	84.3 (2140)	84.3 (2140)	84.3 (2140)
		Mast Extended Height	in(mm)	176.4 (4480)	176.4 (4480)	176.4 (4480)	176.4 (4480)
		Overhead Guard Height	in(mm)	87.4 (2220)	87.4 (2220)	87.4 (2220)	87.4 (2220)
19	Seat Height		in(mm)	43.2 (1098)	43.2 (1098)	43.2 (1098)	43.2 (1098)
21	Turning Radius	Minimum outside	in(mm)	80.3 (2040)	81.1 (2060)	86.2 (2190)	87.4 (2220)
22	Load Moment Center		in(mm)	15.9 (405)	15.9 (405)	16.1 (411)	16.1 (411)
23	Aisle 90 degree stacking(add load length & clearance)		in(mm)	96.2(2445)	97(2465)	102.3(2601)	103.5(2631)
24	Travel Speed	Loaded/Unloaded	mph(km/h)	11.2 / 11.2	11.2 / 11.2	11.2 / 11.2	11.2 / 11.2
				(18.0 / 18.0)	(18.0 / 18.0)	(18.0 / 18.0)	(18.0 / 18.0)
				86.6 / 118	76.8 / 118	66.9 / 118	63.0 / 118
				(440 / 600)	(390 / 600)	(340 / 600)	(320 / 600)
26	Lowering Speed	Loaded/Unloaded	fpm(mm/s)	98.4 / 91	98.4 / 91	98.4 / 91	98.4 / 91
				(500 / 460)	(500 / 460)	(500 / 460)	(500 / 460)
28	Max. drawbar pull	Loaded/Unloaded(5 min. rating)	lb(kg)	3572 / 2690 (1620 / 1220)	3505 / 2624 (1590 / 1190)	3197 / 2425 (1450 / 1100)	3175 / 2425 (1440 / 1100)
30	Max. gradeability	Loaded/Unloaded(5 min. rating)	%	28.0 / 32.0	24.5 / 28.5	19.0 / 23.0	18.0 / 22.0
32	Total Service Weight	with minimum weight of battery	lb(kg)	8796 (3990)	9700 (4400)	10516(4770)	10869 (4930)
33	Axle Load , Loaded	Front / Rear	lb(kg)	11444 / 1762	13181 / 2030	15113 / 2017	15730 / 2194
				(5191 / 799)	(5979 / 921)	(6855 / 915)	(7135 / 995)
34	Axle Load , Unloaded	Front / Rear	lb(kg)	4169 / 4628	4087 / 5613	4612 / 5904	4528 / 6341
				(1891 / 2099)	(1854 / 2546)	(2092 / 2678)	(2054 / 2876)
35		Number of wheels (F/R)		2/2	2/2	2/2	2/2
36	Tires	Size , Front		23 x 10 -12	23 x 10 -12	23 x 10 -12	23 x 10 -12
		Size , Rear		18 x 7 - 8	18 x 7 - 8	18 x 7 - 8	18 x 7 - 8
38	Wheel Base	Distance	in(mm)	55.1 (1400)	55.1 (1400)	61.0 (1550)	61.0 (1550)
39	Tread Width	Front	in(mm)	37.4 (950)	37.4 (950)	37.4 (950)	37.4 (950)
		Rear	in(mm)	39.3(998)	39.3(998)	39.3(998)	39.3(998)
40	Ground Clearance	at the lowest point	in(mm)	4.3 (110)	4.3 (110)	4.3 (110)	4.3 (110)
		at center of wheelbase	in(mm)	4.9 (125)	4.9 (125)	4.9 (125)	4.9 (125)
42	Brakes	Service		foot / hydraulic	foot / hydraulic	foot / hydraulic	foot / hydraulic
		Parking		hand / mech	hand / mech	hand / mech	hand / mech
45	Battery	Type		lead-acid	lead-acid	lead-acid	lead-acid
		Capacity (5 Hours Rating)	V / AH	48 / 715	48 / 800	48 / 850	48 / 850
		Max. Capacity (5 Hours Rating)	V / AH	48 / 1050	48 / 1050	48 / 1200	48 / 1200
		Battery compartment sizes(W x L x H)	in(mm)	40.7 x 35.2 x 20.8 (1036 x 896 x 530)		40.7 x 41.1 x 20.8 (1036 x 1046 x 530)	
		Weight (Minimum)	lb(kg)	2425 (1110)	2690 (1220)	3175 (1440)	3175 (1440)
47	Electric Motors	Drive motor(1 HR Rating)	hp(kW)	21.5 (16.0)	21.5 (16.0)	21.5 (16.0)	21.5 (16.0)
		Hydraulic motor(15% Duty)	hp(kW)	28.2 (21.0)	28.2 (21.0)	28.2 (21.0)	28.2 (21.0)
54	Control Type	Drive and hydraulic		MOSFET Inverter	MOSFET Inverter	MOSFET Inverter	MOSFET Inverter
57	Relief Pressure	System	psi(bar)	2407 (166)	2799 (193)	3002 (207)	3408 (235)
		Attachment	psi(bar)	2248 (155)	2248 (155)	2248 (155)	2248 (155)

4,500/5,000/6,000/7,000 lb Capacities

4 Wheel Electric Forklift Trucks

Pneumatic Models, 80V-AC

MAIN VEHICLE SPECIFICATIONS

CHARACTERISTICS	1	Manufacturer		DOOSAN	DOOSAN	DOOSAN	DOOSAN	
	2	Model		B22X-5	B25X-5	B30X-5	B35X-5	
	3	Load Capacity	at rated load center	lb(kg)	4500 (2200)	5000 (2500)	6000 (3000)	7000 (3500)
	4	Load Center		in(mm)	24 (500)	24 (500)	24 (500)	24 (500)
	5	Power Type			AC electric	AC electric	AC electric	AC electric
	6	Operator Type			driver seated	driver seated	driver seated	driver seated
	7	Tire Type	P: Pnu, E: Solid Soft, C: Cush		E	E	E	E
	8	Wheels (x=Driven)			x 2 / 2	x 2 / 2	x 2 / 2	x 2 / 2
DIMENSIONS	9	Max. Fork Height	with STD 2-stage mast	in(mm)	127.2 (3230)	127.2 (3230)	127.2 (3230)	127.2 (3230)
	10	Free Lift		in(mm)	5.5 (140)	5.5 (140)	5.5 (140)	5.5 (140)
	12	Fork Carriage	ISO Class		II	II	III	III
	13	Forks	Length x Width x Thickness	in(mm)	41.3 x 3.9 x 1.6 (1050 x 100 x 40)	41.3 x 3.9 x 1.6 (1050 x 100 x 40)	41.3 x 3.9 x 1.8 (1050 x 125 x 45)	41.3 x 3.9 x 1.8 (1050 x 125 x 45)
			Fork Spacing(Min x Max)	in(mm)	7.9 x 40.9 (200 x 1040)	7.9 x 40.9 (200 x 1040)	7.9 x 40.9 (200 x 1040)	7.9 x 40.9 (200 x 1040)
	14	Tilt of Mast	Forward/Backward	deg	6/9	6/9	6/9	6/9
	15	Overall Dimensions	Length to Fork Face	in(mm)	92.9 (2360)	92.9 (2360)	98.6 (2505)	102.4 (2600)
			Overall Width	in(mm)	49.0 (1245)	49.0 (1245)	49.0 (1245)	49.0 (1245)
			Mast Lowered Height	in(mm)	85.0 (2160)	85.0 (2160)	85.0 (2160)	85.0 (2160)
			Mast Extended Height	in(mm)	176.4 (4480)	176.4 (4480)	176.4 (4480)	167.9 (4265)
			Overhead Guard Height	in(mm)	86.0 (2185)	86.0 (2185)	87.0 (2210)	87.0 (2210)
	19		Seat Height	in(mm)	42.1 (1070)	42.1 (1070)	42.1 (1070)	42.1 (1070)
	21	Turning Radius	Minimum outside	in(mm)	78.0 (1980)	78.0 (1980)	82.7 (2100)	85.8 (2180)
22	Load Moment Center		in(mm)	19.7 (500)	19.7 (500)	20 (508)	20 (508)	
23	Aisle 90 degree stacking(add load length & clearance)		in(mm)	97.6 (2480)	97.6 (2480)	102.6 (2608)	105.8 (2688)	
PERFORMANCE	24	Travel Speed	Loaded/Unloaded	mph(km/h)	9.9 / 9.9 (16.0 / 16.0)	9.9 / 9.9 (16.0 / 16.0)	9.9 / 9.9 (16.0 / 16.0)	9.9 / 9.9 (16.0 / 16.0)
	25	Lifting Speed	Loaded/Unloaded	fpm(mm/s)	98.2 / 108 (500 / 550)	94.3 / 108 (480 / 550)	82.3 / 108 (420 / 550)	74.6 / 108 (380 / 550)
	26	Lowering Speed	Loaded/ Unloaded	fpm(mm/s)	96.2 / 90.3 (490 / 460)	96.2 / 90.3 (490 / 460)	96.2 / 90.3 (490 / 460)	98.2 / 90.3 (500 / 460)
	28	Max. drawbar pull	Loaded/Unloaded(5 min. ratin)	lb(kg)	4310 / 4200 (1955 / 1905)	4310 / 4189 (1955 / 1900)	4237 / 4145 (1922 / 1880)	3750 / 3715 (1701 / 1685)
30	Max. gradeability	Loaded/Unloaded(5 min. ratin)	%	27 / 41	24 / 39	24 / 31	19 / 31	
WEIGHT	32	Total Service Weight	with minimum weight of batter	lb(kg)	10115 (4588)	10483 (4755)	11645 (5282)	12412 (5630)
	33	Axle Load at Loaded	Front / Rear	lb(kg)	13230 / 1735 (6001 / 787)	14006 / 1989 (6353 / 902)	16120 / 2138 (7312 / 970)	17760 / 2413 (8056 / 1074)
	34	Axle Load at Unloaded	Front / Rear	lb(kg)	5227 / 4888 (2371 / 2217)	4903 / 5580 (2224 / 2531)	5536 / 6109 (2511 / 2771)	5412 / 7000 (2455 / 3175)
CHASSIS	35		Number of wheels (F/R)		2/2	2/2	2/2	2/2
	36	Tires	Size , Front		23 x 10 -12	23 x 10 -12	23 x 10 -12	23 x 10 -12
			Size , Rear		18 x 7 - 8	18 x 7 - 8	18 x 7 - 8	18 x 7 - 8
	38	Wheel Base	Distance	in(mm)	60.4 (1535)	60.4 (1535)	66.1 (1679)	66.1 (1679)
	39	Tread Width	Front	in(mm)	39.3 (998)	39.3 (998)	39.3 (998)	39.3 (998)
			Rear	in(mm)	39.3 (998)	39.3 (998)	39.3 (998)	39.3 (998)
	40	Ground Clearance	at the lowest point	in(mm)	5.1 (130)	5.1 (130)	5.1 (130)	5.1 (130)
			at center of wheelbase	in(mm)	5.5 (140)	5.5 (140)	5.5 (140)	5.5 (140)
	42	Brakes	Service		foot / hydraulic	foot / hydraulic	foot / hydraulic	foot / hydraulic
			Parking		hand / mech	hand / mech	hand / mech	hand / mech
POWER TRAIN	45	Battery	Type		DIN43536A	DIN43536A	DIN43536A	DIN43536A
			Capacity (5 Hours Rating)	V/AH	80 / 500	80 / 500	80 / 600	80 / 600
			Battery compartment sizes(WxLxH)	in(mm)	40.9 x 28.5 x 32.5(1040 x 723 x 825)		40.9 x 34.2x 32.5(1040 x 868 x 825)	
			Weight (Minimum)	lb(kg)	3439 (1560)	3439 (1560)	4123 (1870)	4123 (1870)
	47	Electric Motors	Drive motor(1 HR Rating)	hp(kW)	13.4 (10.0) X 2	13.4 (10.0) X 2	13.4 (10.0) X 2	13.4 (10.0) X 2
			Hyd. motor(15% Duty)	hp(kW)	28.2 (21.0)	28.2 (21.0)	28.2 (21.0)	28.2 (21.0)
	54	Control Type	Drive and Hydraulic		MOSFET Inverter	MOSFET Inverter	MOSFET Inverter	MOSFET Inverter
57	Relief Pressure	System	psi(kpa)	2407 (16600)	2798 (19300)	3001 (20700)	3407 (23500)	
		Attachment	psi(kpa)	2247 (15500)	2247 (15500)	2247 (15500)	2247 (15500)	

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.