

11,000/13,500/15,500lb Capacities

Engine Powered Forklift Trucks

Pneumatic Tire

MAIN VEHICLE SPECIFICATIONS

	CHARACTERISTICS			11,000lb	13,500lb	15,500lb	17,500lb	20,000lb				
	Model	Capacity	Load Center	DOOSAN D50S-5	DOOSAN D60S-5	DOOSAN D70S-5	DOOSAN D80S-5	DOOSAN D90S-5				
1	Manufacture			DOOSAN	DOOSAN	DOOSAN	DOOSAN	DOOSAN				
2	Model			D50S-5	D60S-5	D70S-5	D80S-5	D90S-5				
3	Load Capacity	at rated load center	lb(kg)	11,000(5,000)	13,500(6,000)	15,500(7,000)	17,500(8,000)	20,000(9,000)				
4	Load Center		in(mm)	24(600)	24(600)	24(600)	24(600)	24(600)				
5	Power type	Elec, Diesel, LPG, Gasoline		Diesel	Diesel	Diesel	Diesel	Diesel				
6	Operator type			Driver-seated	Driver-seated	Driver-seated	Driver-seated	Driver-seated				
7	Tire type	P:Pnu, E:Solid Soft, C: Cush		P	P	P	P	P				
8	Wheels (x=Driven)	Front / Rear		x 4 / 2	x 4 / 2	x 4 / 2	x 4 / 2	x 4 / 2				
9	Max. Fork Height	with STD 2-stage mast	in(mm)	118.1(3,000)	118.1(3,000)	118.1(3,000)	122(3,100)	122(3,100)				
10	Free Lift		in(mm)	8.1(205)	8.1(205)	8.1(205)	8.5(215)	8.5(215)				
12	Fork Carriage	ISO Class		IV	IV	IV	V	V				
13	Forks	Length x Width x Thickness	in(mm)	47.2x5.9x2.4 (1,200x150x60)	47.2x7.1x2.4 (1,200x180x60)	47.2x7.1x2.4 (1,200x180x60)	47.2x7.1x2.8 (1,200x180x70)	47.2x7.1x2.8 (1,200x180x70)				
		Fork Spacing(Min x Max)	in(mm)	13.8x80.0 (350x2,032)	16.1x80.0 (410x2,032)	16.1x80.0 (410x2,032)	16.1x82.3 (410x2,092)	16.1x82.3 (410x2,092)				
14	Tilt of Mast	Forward / Backward	deg	15 / 10	15 / 10	15 / 10	15 / 10	15 / 10				
15	Overall Dimensions	Length to Fork Face	in(mm)	138.1(3,507)	140.5(3,568)	143.6(3,647)	156.3(3,970)	159.1(4,040)				
16		Overall Width	in(mm)	83.0(2,108)	83.0(2,108)	83.0(2,108)	87.8(2,230)	87.8(2,230)				
17		Mast Lowered Height	in(mm)	98.4(2,500)	98.4(2,500)	98.4(2,500)	111.6(2,835)	111.6(2,835)				
18		Mast Extended Height	in(mm)	170.1(4,340)	170.1(4,340)	170.1(4,340)	172.2(4,375)	172.2(4,375)				
19		Overhead Guard Height	in(mm)	96.7(2,455)	96.7(2,455)	96.7(2,455)	104.2(2,648)	104.2(2,648)				
20		Seat Height	in(mm)	52.5(1,333)	52.5(1,333)	52.5(1,333)	60.1(1,526)	60.1(1,526)				
21	Turning Radius	Minimum outside	in(mm)	130.0(3,301)	131.1(3,331)	133.1(3,380)	142.1(3,610)	144.9(3,680)				
22	Load Moment Center		in(mm)	24.9(632)	24.9(632)	24.9(632)	28.5(725)	28.5(725)				
23	Aisle 90 degree stacking(add load length & clearance)		in(mm)	154.5(3,924)	155.9(3,958)	157.5(4,000)	170.5(4,330)	171.5(4,355)				
24	Travel Speed	Loaded / Unloaded	mph(km/h)	18.4 / 20.1 (29.6 / 32.4)	18.1 / 20.0 (29.1 / 32.2)	17.7 / 20.0 (28.5 / 32.0)	18.5 / 21.0 (29.8 / 33.8)	17.2 / 20.7 (27.7 / 33.4)				
				25	Lifting Speed	Loaded / Unloaded	fpm(mm/s)	98.3 / 104.3 (500 / 530)	96.5 / 104.3 (490 / 530)	87.6 / 92.5 (445 / 470)	84.6 / 92.5 (430 / 470)	84.6 / 92.5 (430 / 470)
				26				Lowering Speed	Loaded / Unloaded	fpm(mm/s)	98.6 / 88.6 (501 / 450)	98.6 / 88.6 (501 / 450)
28	Max. drawbar pull	Loaded at 1.0 mph (1.6km / h)	lb(kg)	12,495(5,668)	12,399(5,624)	12,329 (5,592)	12,120(5,498)				12,012(5,449)	
30	Max. gradeability	Loaded at 1.0 mph (1.7km / h)	%	49.2	42.4	37.2	30.6	28.6				
32	Total Service Weight, Unloaded		lb(kg)	18,894(8,570)	20,371(9,240)	21,980(9,970)	25,452(11,545)	26,884(12,195)				
33	Axle Load	Loaded, Front / Rear	lb(kg)	26,841 / 2,075 (12,175 / 1,395)	29,950 / 3,649 (13,585 / 1,655)	33,025 / 4,387 (14,980 / 1,990)	32,893 / 9,612 (14,920 / 4,360)	37,302 / 10,372 (16,920 / 4,705)				
		Unloaded, Front / Rear	lb(kg)	9,778 / 9,116 (4,435 / 4,135)	9,480 / 1,891 (4,300 / 4,940)	9,149.2 / 12,831 (4,150 / 5,820)	10,141 / 14,330 (4,600 / 6,500)	10,317 / 16,127 (4,680 / 7,315)				
34				4 / 2	4 / 2	4 / 2	4 / 2	4 / 2				
35	Tires	Number of wheels(F / R)		4 / 2	4 / 2	4 / 2	4 / 2	4 / 2				
		Size, Front		8.25x15-14PR	8.25x15-14PR	8.25x15-14PR	9.00x20-14PR	9.00x20-14PR				
37		Size, Rear		8.25x15-14PR	8.25x15-14PR	8.25x15-14PR	9.00x20-14PR	9.00x20-14PR				
38	Wheel Base	Distance	in(mm)	88.6(2,250)	88.6(2,250)	88.6(2,250)	98.4(2,500)	98.4(2,500)				
39	Tread Width	Front / Rear	in(mm)	62.3 / 61.0 (1,584 / 1,550)	62.3 / 61.0 (1,584 / 1,550)	62.3 / 61.0 (1,584 / 1,550)	64.8 / 68.9 (1,646 / 1,750)	64.8 / 68.9 (1,646 / 1,750)				
40	Ground Clearance	Loaded at the lowest point	in(mm)	6.9(176)	6.9(176)	6.9(176)	10.2(258)	10.2(258)				
		Loaded at center of wheelbase	in(mm)	8.1(205)	8.1(205)	8.1(205)	11.5(292)	11.5(292)				
42	Brakes	Service		Foot / Hyd	Foot / Hyd	Foot / Hyd	Foot / Hyd	Foot / Hyd				
		Parking		Hand / Mech	Hand / Mech	Hand / Mech	Hand / Mech	Hand / Mech				
43				Foot / Hyd	Foot / Hyd	Foot / Hyd	Foot / Hyd	Foot / Hyd				
45	Battery	Voltage / Ampere	V/AH	24 / 75	24 / 75	24 / 75	24 / 75	24 / 75				
49		Model		DB58S	DB58S	DB58S	DB58S	DB58S				
50	Engine	Rated Power(DIN)	HP/rpm	99 / 2,200	99 / 2,200	99 / 2,200	99 / 2,200	99 / 2,200				
			kW/rpm	74 / 2,200	74 / 2,200	74 / 2,200	74 / 2,200	74 / 2,200				
51	Maximum Torque	lb · ft/rpm		267 / 1,600	267 / 1,600	267 / 1,600	267 / 1,600	267 / 1,600				
		kg · m/rpm		37 / 1,600	37 / 1,600	37 / 1,600	37 / 1,600	37 / 1,600				
52		Cylinders / Displacements	cc	6 / 5,785	6 / 5,785	6 / 5,785	6 / 5,785	6 / 5,785				
55	Transmission	Type		Autoshift	Autoshift	Autoshift	Autoshift	Autoshift				
		Number of Speed (Fwd / Rev)		3 / 3	3 / 3	3 / 3	3 / 3	3 / 3				
57	Hydraulic Pressure	System	psi(bar)	3,050(210)	3,050(210)	3,050(210)	3,180(219)	3,410(235)				
		Attachment	psi(bar)	2,030(140)	2,030(140)	2,030(140)	2,030(140)	2,030(140)				

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.

