

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

Engine Powered Forklift Trucks Pneumatic Tire, Diesel

MAIN VEHICLE SPECIFICATIONS

	CHARACTERISTICS			DOOSAN	DOOSAN	DOOSAN	DOOSAN	DOOSAN		
	1	2	3	4	5	6	7	8		
	1	Manufacture		DOOSAN	DOOSAN	DOOSAN	DOOSAN	DOOSAN		
	2	Model		D20S-5	D25S-5	D30S-5	D33S-5	D35C-5		
	3	Load Capacity	at rated load center	lb(kg)	4,000 (2,000)	5,000 (2,500)	6,000 (3,000)	6,500 (3,250)	7,000 (3,500)	
	4	Load Center		in(mm)	24 (500)	24 (500)	24 (500)	24 (500)	24 (500)	
	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 2 / 2	X 2 / 2	X 2 / 2	X 2 / 2	X 2 / 2	
	9	Max. Fork Height	with STD 2-stage mast	in(mm)	127.2 (3,230)	127.2 (3,230)	127.2 (3,230)	127.2 (3,230)	118.1 (3,000)	
	10	Free Lift		in(mm)	6 (152)	6 (152)	6 (152)	6 (152)	6 (152)	
	12	Fork Carriage	ISO Class		II	II	III	III	III	
	13	Forks	Length x Width x Thickness	in (mm)	41.3x3.9x1.6 (1,050x100x40)	41.3x3.9x1.6 (1,050x100x40)	41.3x4.9x1.8 (1,050x125x45)	41.3x4.9x1.8 (1,050x125x45)	41.3x4.9x1.8 (1,050x125x45)	
			Fork Spacing(Min x Max)	in (mm)	10.8x40.7 (275x1,035)	10.8x40.7 (275x1,035)	11.3x41.1 (286x1,044)	11.3x41.1 (286x1,044)	11.3x41.1 (286x1,044)	
	14	Tilt of Mast	Forward / Backward	deg	6 / 10	6 / 10	6 / 10	6 / 10	6 / 10	
	15	Overall Dimensions	Length to Fork Face	in(mm)	99.6 (2,530)	102.2 (2,595)	106.3 (2,700)	107.5 (2,730)	108.9 (2,765)	
			Overall Width	in(mm)	46.1 (1,170)	46.1 (1,170)	47.1 (1,197)	47.1 (1,197)	49.4 (1,255)	
			Mast Lowered Height	in(mm)	85.6 (2,175)	85.6 (2,175)	85.2 (2,165)	85.2 (2,165)	85.2 (2,165)	
			Mast Extended Height	in(mm)	176.8 (4,490)	176.8 (4,490)	176.8 (4,490)	176.8 (4,490)	167.7 (4,260)	
			Overhead Guard Height	in(mm)	85.9 (2,183)	85.9 (2,183)	85.9 (2,183)	85.9 (2,183)	85.9 (2,183)	
			Seat Height	in(mm)	40.4 (1,026)	40.4 (1,026)	40.4 (1,026)	40.4 (1,026)	40.4 (1,026)	
	21	Turning Radius	Minimum outside	in(mm)	87.4 (2,220)	89.2 (2,265)	93.1 (2,365)	94.3 (2,395)	95.3 (2,420)	
	22	Load Moment Center		in(mm)	18.9 (480)	18.9 (480)	19.1 (485)	19.1 (485)	19.5 (495)	
	23	Aisle 90 degree stacking(add load length & clearance)		in(mm)	106.3 (2,700)	108.1 (2,745)	112.2 (2,850)	113.4 (2,880)	114.8 (2,915)	
	24	Travel Speed	Loaded / Unloaded	mph	11.8 / 12.4	11.8 / 12.4	11.2 / 12.1	11.2 / 12.1	11.5 / 12.4	
				(km/h)	(19/ 19.5)	(19/ 19.5)	(18 / 19)	(18 / 19)	(18.5 / 19.5)	
			Lifting Speed	Loaded / Unloaded	fpm	104.3 / 90.6	102.3 / 90.6	98.4 / 90.6	96.3 / 90.6	82.7 / 90.6
					(mm/s)	(530 / 460)	(520 / 460)	(500 / 460)	(490 / 480)	(420 / 460)
	26	Lowering Speed	Loaded / Unloaded	fpm	100.4 / 90.6	100.4 / 90.6	100.4 / 90.6	100.4 / 90.6	100.4 / 90.6	
	28	Max. drawbar pull	Loaded at 1.0 mph (1.6km / h)	lb(kg)	3,891.2 (1,765)	3836 (1,740)	4,034.5 (1,830)	4,012.4 (1,820)	3858.1 (1,750)	
	30	Max. gradeability	Loaded at 1.0 mph (1.7km / h)	%	33	28	25	23.5	21.5	
	32	Total Service Weight, Unloaded		lb(kg)	7,892.5 (3,580)	8708.2 (3950)	9,810.6 (4,450)	10,207.4 (4,630)	10,604.2 (4,810)	
			Axle Load	Loaded, Front / Rear	lb (kg)	10,869 / 1,433 (4,930 / 650)	12,478 / 1,742 (5,660 / 790)	14,506 / 1,918 (6,580 / 870)	15,300 / 2,072 (6,940 / 940)	16,182 / 2,138 (7,340 / 970)
				Unloaded, Front / Rear	lb (kg)	3,792 / 4,101 (1,720 / 1,860)	3,638 / 5,071 (1,650 / 2,300)	4,057 / 5,754 (1,840 / 2,610)	3,968 / 6,239 (1,800 / 2,830)	3,924 / 6,680 (1,780 / 3,030)
	35	Tires	Number of wheels(F / R)		2 / 2	2 / 2	2 / 2	2 / 2	2 / 2	
			Size, Front		7.00x15-12	7.00x15-12	28x9x15-12	28x9x15-12	250x15-18	
			Size, Rear		6.50x10-10	6.50x10-10	6.50x10-10	6.50x10-12	6.50x10-12	
			Wheel Base	Distance	in(mm)	64 (1,625)	64 (1,625)	66.9 (1,700)	66.9 (1,700)	66.9 (1,700)
			Tread Width	Front / Rear	in (mm)	38.4 / 39.4 (975 / 1,000)	38.4 / 39.4 (975 / 1,000)	38.7 / 39.4 (982 / 1,000)	38.7 / 39.4 (982 / 1,000)	40.4 / 39.4 (1,026 / 1,000)
			Ground Clearance	Loaded at the lowest point	in(mm)	4.5 (115)	4.5 (115)	4.1 (105)	4.1 (105)	4.1 (105)
				Loaded at center of wheelbase	in(mm)	5.6 (143)	5.6 (143)	5.6 (143)	5.6 (143)	5.6 (143)
			42	Brakes	Service		Foot / Hyd	Foot / Hyd	Foot / Hyd	Foot / Hyd
43		Parking		Hand / Mech	Hand / Mech	Hand / Mech	Hand / Mech	Hand / Mech		
	45	Battery	Voltage / Ampere	V / AH	12 / 85	12 / 85	12 / 85	12 / 85	12 / 85	
			Manufacturer / Model		4TNE98	4TNE98	4TNE98	4TNE98	4TNE98	
			Engine	Rated Power(DIN)	HP/rpm kW/rpm	59 / 2,300 43.7 / 2,300	59 / 2,300 43.7 / 2,300	59 / 2,300 43.7 / 2,300	59 / 2,300 43.7 / 2,300	59 / 2,300 43.7 / 2,300
				Maximum Torque	lbft/rpm kg-m/rpm	134 / 1,600 181 / 1,600	134 / 1,600 181 / 1,600	134 / 1,600 181 / 1,600	134 / 1,600 181 / 1,600	134 / 1,600 181 / 1,600
				Cylinders / Displacements	cc	4 / 3,319	4 / 3,319	4 / 3,319	4 / 3,319	4 / 3,319
				Transmission	Type		powershift	powershift	powershift	powershift
			Number of Speed (Fwd / Rev)			1 / 1	1 / 1	1 / 1	1 / 1	1 / 1
57	Hydraulic Pressure	System	psi(bar)	2,625 (181)	2,828 (195)	3,132 (216)	3,132 (216)	3,132 (216)		
		Attachment	psi(bar)	2,262 (156)	2,262 (156)	2,262 (156)	2,262 (156)	2,262 (156)		

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.

