

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

Engine Powered Forklift Trucks

Pneumatic Tire Diesel, LP

MAIN VEHICLE SPECIFICATIONS

	CHARACTERISTICS			DOOSAN	DOOSAN	DOOSAN	DOOSAN	DOOSAN	DOOSAN	
	1	2		D20G	D25G	D30G	G20G	G25G	G30G	
	3	Load Capacity	at rated load center	lb(kg)	4,000 (2,000)	5,000 (2,500)	6,000 (3,000)	4,000 (2,000)	5,000 (2,500)	6,000 (3,000)
	4	Load Center		in(mm)	24 (500)	24 (500)	24 (500)	24 (500)	24 (500)	24 (500)
	5	Power type	Elec, Diesel, LPG, Gasoline		Diesel	Diesel	Diesel	Lp	Lp	Lp
	6	Operator type			Driver-seated	Driver-seated	Driver-seated	Driver Seated	Driver Seated	Driver Seated
	7	Tire type	P:Pnu, E:Solid Soft, C: Cush		P, E	P, E	P, E	P, E	P, E	P, E
	8	Wheels (x=Driven)	Front / Rear		x 2 / 2	x 2 / 2	x 2 / 2	X 2 / 2	X 2 / 2	X 2 / 2
DIMENSIONS	9	Max. Fork Height	with STD 2-stage mast	in(mm)	118.1 (3,000)	118.1 (3,000)	118.1 (3,000)	118.1(3,000)	118.1(3,000)	118.1(3,000)
	10	Free Lift		in(mm)	5.9 (150)	5.9 (150)	5.9 (150)	5.9 (150)	5.9 (150)	5.9 (150)
	12	Fork Carriage	ISO Class		II	II	III	II	II	III
	13	Forks	Length x Width x Thickness	in (mm)	41.3 x 3.9 x 1.8 (1,050 x 100 x 45)	41.3 x 3.9 x 1.8 (1,050 x 100 x 45)	41.3 x 4.8 x 1.8 (1,050 x 122 x 45)	41.3 x 3.9 x 1.8 (1,050 x 100 x 45)	41.3 x 3.9 x 1.8 (1,050 x 100 x 45)	41.3 x 4.8 x 1.8 (1,050 x 122 x 45)
			Fork Spacing(Min x Max)	in (mm)	9.8 x 39.4 (250 x 1,000)	9.8 x 39.4 (250 x 1,000)	10.7 x 41.0 (272 x 1,042)	9.8 x 39.4 (250 x 1,000)	9.8 x 39.4 (250 x 1,000)	10.7 x 41.0 (272 x 1,042)
	14	Tilt of Mast	Forward / Backward	deg	6 / 12	6 / 12	6 / 12	6 / 12	6 / 12	6 / 12
	15	Overall Dimensions	Length to Fork Face	in(mm)	99.2 (2,520)	101.8 (2,585)	104.8 (2,662)	99.2 (2,520)	101.8 (2,585)	104.8 (2,662)
	16		Overall Width	in(mm)	45.9 (1,165)	45.9 (1,165)	48.3 (1,228)	45.9 (1,165)	45.9 (1,165)	48.3 (1,228)
	17		Mast Lowered Height	in(mm)	80.2 (2,038)	80.2 (2,038)	80.8 (2,053)	80.2 (2,038)	80.2 (2,038)	80.8 (2,053)
	18		Mast Extended Height	in(mm)	168.1 (4,271)	168.1 (4,271)	168.5 (4,280)	168.1 (4,271)	168.1 (4,271)	168.5 (4,280)
	19		Overhead Guard Height	in(mm)	84.4 (2,143)	84.4 (2,143)	85.0 (2,160)	84.4 (2,143)	84.4 (2,143)	85.0 (2,160)
	20		Seat Height	in(mm)	42.2 (1,071)	42.2 (1,071)	42.8 (1,088)	42.2 (1,071)	42.2 (1,071)	42.8 (1,088)
21	Turning Radius	Minimum outside	in(mm)	88.6 (2,250)	90.6 (2,300)	93.5 (2,375)	88.6 (2,250)	90.6 (2,300)	93.5 (2,375)	
22	Load Moment Center		in(mm)	18.4 (467)	18.4 (467)	19.0 (482)	18.4 (467)	18.4 (467)	19.0 (482)	
23	Aisle 90 degree stacking(add load length & clearance)		in(mm)	107 (2,717)	108.9 (2,767)	112.5 (2,857)	107 (2,717)	108.9 (2,767)	112.5 (2,857)	
PERFORMANCE	24	Travel Speed	Loaded / Unloaded	mph (km/h)	12.1 / 13.1 (19.5 / 21)	12.1 / 13.1 (19.5 / 21)	12.4 / 13.4 (20 / 21.5)	11.8 / 12.4 (19 / 20)	11.8 / 12.4 (19 / 20)	12.1 / 12.7 (19.5 / 20.5)
	25	Lifting Speed	Loaded / Unloaded	fpm (mm/s)	102.3 / 112.2 (520 / 570)	100.4 / 112.2 (510 / 570)	96.4 / 112.2 (490 / 570)	98.3 / 108.2 (500 / 550)	98.3 / 108.2 (500 / 550)	98.3 / 108.2 (500 / 550)
	26	Lowering Speed	Loaded / Unloaded	fpm (mm/s)	100.4 / 90.6 (510 / 460)	100.4 / 90.6 (510 / 460)	100.4 / 90.6 (510 / 460)	110.2 / 114.1 (560 / 580)	110.2 / 114.1 (560 / 580)	108.2 / 114.1 (550 / 580)
	28	Max. drawbar pull	Loaded at 1.0 mph (1.6km / h)	lb(kg)	4,057(1,840)	4,012(1,820)	3,858 (1,750)	3,638 (1,650)	3,583 (1,625)	3,230 (1,465)
	30	Max. gradeability	Loaded at 1.0 mph (1.7km / h)	%	35	29	24	31	26	20
WEIGHT	32	Total Service Weight, Unloaded		lb(kg)	7,870 (3,570)	8,686 (3,940)	9,830 (4,460)	7,672 (3,480)	8,488 (3,850)	9,524 (4,320)
	33	Axle Load	Loaded, Front / Rear	lb (kg)	10,803 / 1,477 (4,900 / 670)	12,456 / 1,742 (5,650 / 790)	14,462 / 1,984 (6,560 / 900)	10,274 / 1,808 (4,660 / 820)	11,905 / 2,094 (5,400 / 950)	13,690 / 2,447 (6,210 / 1,110)
			Unloaded, Front / Rear	lb (kg)	3,726 / 4,145 (1,690 / 1,880)	3,637 / 5,049 (1,650 / 2,290)	3,858 / 5,975 (1,750 / 2,710)	2,998 / 4,674 (1,360 / 2,120)	3,307 / 5,180 (1,500 / 2,350)	3,704 / 5,820 (1,680 / 2,640)
CHASSIS	35	Tires	Number of wheels(F / R)		2 / 2	2 / 2	2 / 2	2 / 2	2 / 2	2 / 2
	36	Size, Front			7.00 x 12-12PR	7.00 x 12-12PR	28 x 9 x 15-12PR	7.00 x 12 - 12PR	7.00 x 12 - 12PR	28 x 9 x 15 - 12PR
			Size, Rear		6.00 x 9-10PR	6.00 x 9-10PR	6.50 x 10-10PR	6.00 x 9 - 10PR	6.00 x 9 - 10PR	6.50 x 10 - 10PR
	38	Wheel Base	Distance	in(mm)	64.7 (1,650)	64.7 (1,650)	64.7 (1,650)	64.7 (1,650)	64.7 (1,650)	64.7 (1,650)
	39	Tread Width	Front / Rear	in (mm)	38.2 / 38.6 (970/980)	38.2 / 38.6 (970/980)	39.4 / 38.6 (1,000 / 980)	38.2 (970)	38.2 (970)	39.4 (1,000)
	40	Ground Clearance	Loaded at the lowest point	in(mm)	3.9 (100)	3.9 (100)	4.6 (118)	3.9 (100)	3.9 (100)	4.6 (118)
			Loaded at center of wheelbase	in(mm)	4.5 (113)	4.5 (113)	5.2 (132)	4.5 (113)	4.5 (113)	5.2 (132)
	42	Brakes	Service		Hyd	Hyd	Hyd	Hyd	Hyd	Hyd
Parking				Mech	Mech	Mech	Mech	Mech	Mech	
45	Battery	Voltage / Ampere	V / AH	12 / 90	12 / 90	12 / 90	12 - 65	12 - 65	12 - 65	
POWER TRAIN	49	Engine	Model		4TNE98	4TNE98	4TNE98	G424FE	G424FE	G424FE
			Rated Power(DIN)	HP/rpm	59 / 2,300	59 / 2,300	59 / 2,300	62 / 2,550	62 / 2,550	62 / 2,550
	50	Maximum Torque	kW/rpm	43.7 / 2,300	43.7 / 2,300	43.7 / 2,300	46.2 / 2,550	46.2 / 2,550	46.2 / 2,550	
			lb · ft/rpm	134 / 1,600	134 / 1,600	134 / 1,600	134 / 2,200	134 / 2,200	134 / 2,200	
	51	Cylinders / Displacements	N · m/rpm	181 / 1,600	181 / 1,600	181 / 1,600	181 / 2,200	181 / 2,200	181 / 2,200	
			cc	4 / 3,319	4 / 3,319	4 / 3,319	4 / 2,405	4 / 2,405	4 / 2,405	
55	Transmission	Type		powershift	powershift	powershift	powershift	powershift	powershift	
		Number of Speed (Fwd / Rev)		1 / 1	1 / 1	1 / 1	1 / 1	1 / 1	1 / 1	
57	Hydraulic Pressure	System	psi(bar)	2,625 (181)	2,625 (181)	3,048 (210)	2,625 (181)	2,625 (181)	3,048 (210)	
		Attachment	psi(bar)	2,262 (156)	2,262 (156)	2,262 (156)	2,320 (160)	2,320 (160)	2,320 (160)	