

MAIN VEHICLE SPECIFICATIONS (EPA Tier-4i)									
CHARACTERISTICS	1	Manufacturer			DOOSAN	DOOSAN	DOOSAN	DOOSAN	DOOSAN
	2	Model			D35S-5	D40S-5	D45S-5	D50C-5	D55C-5
	3	Load Capacity	at rated load center	lb(kg)	8,000(3,500)	9,000(4,000)	10,000(4,500)	11,000(5,000)	12,000(5,500)
	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)			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(3000)	118.1(3000)	118.1(3000)	120(3050)	120(3050)
	10	Free Lift		in(mm)	6.3(160)	6.3(160)	6.3(160)	6.7(170)	6.7(170)
	11	Fork Carriage	ISO Class		III	III	IV	IV	IV
	12	Forks	Length x Width x Thickness	in(mm)	41.3x5.9x2.0 0 (1,050 x 150 x 50)	41.3x5.9x2.0 (1,050 x 150 x 50)	47.2x5.9x2.0 (1,200 x 150 x 50)	47.2x5.9x2.0 (1,200 x 150 x 50)	47.2x5.9x2.0 (1,200 x 150 x 50)
			Fork Spacing(Min x Max)	in(mm)	12.2(310) x 46.5(1,182)	12.2(310) x 46.5(1,182)	13.4(340) x 50.8(1,290)	13.4(340) x 50.8(1,290)	13.4(340) x 50.8(1,290)
	13	Tilt of Mast	Forward/Backward	deg	8 / 10	8 / 10	8 / 10	8 / 10	8 / 10
	14	Overall Dimensions	Length to Fork Face	in(mm)	122.0(3100)	124.1(3151)	128.5(3265)	129.9(3300)	131.9(3350)
	15		Overall Width	in(mm)	54.0(1372)	57.1(1451)	57.1(1451)	57.1(1451)	57.1(1451)
	16		Mast Lowered Height	in(mm)	87.6(2225)	87.8(2230)	87.8(2230)	93.7(2380)	93.7(2380)
	17		Mast Extended Height	in(mm)	167.9(4265)	168.1(4270)	174.0(4420)	176.0(4470)	176.0(4470)
	18		Overhead Guard Height	in(mm)	87.6(2225)	87.8(2230)	87.8(2230)	87.8(2230)	87.8(2230)
	19	Seat Height	in(mm)	49.1(1248)	49.4(1255)	49.4(1255)	49.4(1255)	49.4(1255)	
	20	Turning Radius	Minimum outside	in(mm)	109.1(2770)	111.0(2820)	112.8(2865)	115.4(2930)	117.7(2990)
	21	Load Moment Center		in(mm)	22.1(561)	22.1(561)	22.1(561)	22.4(571)	22.4(571)
22	Aisle 90 degree stacking (add load length & clearance)		in(mm)	131.1(3331)	133.1(3381)	134.9(3426)	137.8(3501)	140.2(3561)	
PERFORMANCE	23	Travel Speed	Loaded/Unloaded	mph (km/h)	15.6 / 16.7 (25.1 / 27.1)	15.7 / 16.8 (25.3 / 27.1)	15.5 / 16.8 (25 / 27.1)	15.4 / 16.8 (24.8 / 27)	24.7 / 26.9
	24	Lifting Speed	Loaded/Unloaded	fpm(m/s)	108.3 / 116.1	106.3 / 116.1 (540 / 590)	106.3 / 116.1 (540 / 590)	104.3 / 116.1 (530 / 590)	102.4 / 116.1 (520 / 590)
	25	Lowering Speed	Loaded/ Unloaded	fpm(m/s)	90.7 / 88.6 (461 / 450)	90.7 / 88.6 (461 / 450)	90.7 / 88.6 (461 / 450)	92.7 / 88.6 (471 / 450)	92.7 / 88.6 (471 / 450)
	26	Max. drawbar pull	Loaded at 1.0(1.6) mph(km/h)	lb(kg)	7,699(3,492)	7,575(3,436)	7,621(3,457)	7,566(3,432)	7,504(3,404)
	27	Max. gradeability	Loaded/Unloaded (5 min. rating)	%	40.3	35.9	35.4	30.7	27.4
WEIGHT	28	Total Service Weight	Unloaded	lb(kg)	12,765(5,790)	13,625(6,180)	14,440(6,550)	15,543(7,050)	16,292(7390)
	29	Axle Load	Loaded, Front / Rear	lb(kg)	18,111 / 2,370	19,798 / 2646 (8,980 / 7760)	21,605 / 2,756 (9,800 / 1,250)	23,545 / 3020 (10,680 / 1,370)	25,007 / 3351 (11,370 / 1,510)
	30		Unloaded, Front / Rear	lb(kg)	5,919 / 6,845 (2,685 / 3,100)	5,864 / 7760 (2,660 / 3,520)	6,195 / 8,245 (2,810 / 3,740)	6,371 / 9,171 (2,890 / 4,160)	6,173 / 10,119 (2,800 / 4,590)
CHASSIS	31	Tires	Number of wheels (F/R)		2 / 2	2 / 2	2 / 2	2 / 2	2 / 2
	32		Size , Front		8.25 x 15-14	300 x 15-18	300 x 15-18	300 x 15-18	300 x 15-18
	33		Size , Rear		7.00 x 12-12	7.00 x 12-12	7.00 x 12-12	7.00 x 12-14	7.00 x 12-14
	34	Wheel Base	Distance	in(mm)	78.7(2000)	78.7(2000)	82.7(2100)	82.7(2100)	82.7(2100)
	35	Tread Width	Front / Rear	in(mm)	44.8/43.9 (1,138 / 1,115)	45.4/43.9 (1,153 / 1,115)	45.4/43.9 (1,153 / 1,115)	45.4/43.9 (1,153 / 1,115)	45.4/43.9 (1,153 / 1,115)
	36	Ground Clearance	Loaded at the lowest point	in(mm)	6.3(160)	6.3(160)	6.3(160)	6.3(160)	6.3(160)
	37		Loaded at center of wheelbase	in(mm)	8.1(205)	8.1(205)	8.1(205)	8.1(205)	8.1(205)

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	38	Brakes	Service		Shoe / Disc	Shoe / Disc	Shoe / Disc	Shoe / Disc	Shoe / Disc	
	39		Parking		Ratchet	Ratchet	Ratchet	Ratchet	Ratchet	
<b>POWER TRAIN</b>	40	Battery	Voltage / Ampere	V/AH	24 / 75	24 / 75	24 / 75	24 / 75	24 / 75	
	41	Engine	Manufacturer		Kubota	Kubota	Kubota	Kubota	Kubota	
	42		Model		V3800	V3800	V3800	V3800	V3800	
	43		Rated Power (DIN)	HP/rpm		92 / 2,400	92 / 2,400	92 / 2,400	92 / 2,400	92 / 2,400
				kW/rpm		68.6 / 2,400	68.6 / 2,400	68.6 / 2,400	68.6 / 2,400	68.6 / 2,400
	44		Maximum Torque	lb_ft/rpm		247.1 / 1,500	247.1 / 1,500	247.1 / 1,500	247.1 / 1,500	247.1 / 1,500
		kg_m/rpm			34.2 / 1,500	34.2 / 1,500	34.2 / 1,500	34.2 / 1,500	34.2 / 1,500	
	45	Cylinders/ Displacements	cc		4 / 3,769	4 / 3,769	4 / 3,769	4 / 3,769	4 / 3,769	
	46	Transmission	Type		Powershift	Powershift	Powershift	Powershift	Powershift	
			Number of Speed (Fwd/Rev)		2 / 2	2 / 2	2 / 2	2 / 2	2 / 2	
47	Hydraulic Pressure	System	psi(bar)	2755(190)	2755(190)	3,045(210)	3,045(210)	3,335(230)		
		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.