

GENERAL SPECIFICATION

D35/40/45S-5, D50/55C-5, D40/45/50/55SC-5

CHARACTERISTICS				
1	Manufacturer			Doosan
2	Model			D35S-5
3	Capacity	at rated load center	kg	3,500
4	Load center		mm	600
5	Power type	Elec, Diesel , LPG, Gasoline		Diesel
6	Operator type	Stand-on, Driver-seated		Driver-seated
7	Tire type	P=Pneu, E=Solid, C=Cushion		P
8	Wheels(x=driven)	number, front/rear		x2/2
DIMENSIONS				
9	Max. Fork Height	with STD 2-Stage Mast	mm	3,000
10	Free lift	with STD 2-Stage Mast	mm	160
11	Fork carriage	ISO class		III
12	Forks	Length x Width x Thickness	mm	1,050x150x50
13		Fork Spacing (min X max)	mm	310 x 1,182
14	Tilt of mast	Forward/Backward	deg	8/10
15	Overall dimensions	Length to Fork Face	mm	3,100
16		Overall Width	mm	1,372
17		Mast Lowered Height	mm	2,225
18		Mast Extended Height	mm	4,265
19		Overhead guard Height	mm	2,225
20		Seat Height	mm	1,248
21	Turning radius	Minimum outside	mm	2,770
22	Load Moment constant		mm	561
23	90° Stacking aisle		mm	3,331
PERFORMANCE				
24	Speed	Travel, loaded/unloaded	km/h	24 / 25
25		Lift, loaded/unloaded	mm/s	520 / 540 540 / 575
26		Lowering, loaded/unloaded	mm/s	480 / 450
27	Drawbar pull	at 1.6 km/h, loaded	kg	3,470 3,470
28	Gradeability	at 1.6 km/h, loaded	%	38 40
WEIGHT				
29	Total weight	Unloaded	kg	5,790 5,760
30	Axle load	with loaded, front/rear	kg	8,215/1,075 8,100/1,160
31		without loaded, front/rear	kg	2,685/3,105 2,565/3,195
CHASSIS				
32	Tires	Number of front/rear		2/2
33		Size, front single		8.25x15-14
34		Size, rear		7.00x12-12
35	Wheel base		mm	2,000
36	Tread	Front/Rear	mm	1,138/1,115
37	Ground clearance	loaded, at the lowest point	mm	160
38		loaded, at center of wheelbase	mm	205
39	Brake	Service		Foot/Hyd
40		Parking		
DRIVE				
41	Battery	Voltage/Ampere-hour	V/AH	24/75
42	Engine	Manufacturer/Model		DB58S D439E
43		Rated output (at rpm)	kW/rpm	68.0/2,200 68/2,300
44		Max. torque	Nm/rpm	324/1,600 324/1,600
45		Cycle/Cylinders/Displacement	cc	4/6/5,785 4/4/3,900
46		Transmission	type	
47		No. of Speeds forward/reverse		2/2
48	Operating pressure	System/Attachment	bar	190/140

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.

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CHARACTERISTICS									
Doosan		Doosan		Doosan		Doosan		Doosan	
D40S-5		D45S-5		D50C-5		D55C-5		D55SC-5	
4,000		4,500		5,000		5,500		5,500	
600		600		600		600		600	
Diesel		Diesel		Diesel		Diesel		Diesel	
Driver-seated		Driver-seated		Driver-seated		Driver-seated		Driver-seated	
P		P		P		P		P	
x2/2		x2/2		x2/2		x2/2		x2/2	
3,000		3,000		3,050		3,050		3,050	
160		160		170		170		170	
III		IV		IV		IV		IV	
1,050x150x50		1,200x150x50		1,200x150x60		1,200x150x60		1,200x150x60	
310 x 1,182		340 x 1,290		340 x 1,290		340 x 1,290		340 x 1,290	
8/10		8/10		8/10		8/10		8/10	
3,150		3,265		3,300		3,350		3,350	
1,451		1,451		1,451		1,451		1,451	
2,230		2,230		2,380		2,380		2,380	
4,270		4,420		4,470		4,470		4,470	
2,230		2,230		2,230		2,230		2,230	
1,255		1,255		1,255		1,255		1,255	
2,820		2,865		2,930		2,990		2,990	
561		561		571		571		571	
3,381		3,426		3,501		3,561		3,561	
24 / 25		24 / 25		24 / 25		24 / 25		24 / 25	
520 / 540 535 / 575		520 / 540 530 / 575		470 / 540 525 / 575		470 / 540 520 / 575		470 / 540 525 / 575	
480 / 450		480 / 450		490 / 450		490 / 450		490 / 450	
3,450 3,410		3,470 3,430		3,450 3,410		3,430 3,390		3,430 3,390	
35 35.5		32 35		30 30.5		28 28		28 28	
6,180 6,100		6,550 6,540		7,050 7,020		7,390 7,360		7,390 7,360	
8,980/1,200 8,810/1,290		9,800/1,250 9,690/1,350		10,680/1,370 10,530/1,490		11,370/1,520 11,230/1,630		11,370/1,520 11,230/1,630	
2,660/3,520 2,490/3,610		2,810/3,740 2,700/3,840		2,890/4,160 2,740/4,280		2,800/4,590 2,660/4,700		2,800/4,590 2,660/4,700	
2/2		2/2		2/2		2/2		2/2	
300x15-18		300x15-18		300x15-18		300x15-18		300x15-18	
7.00x12-12		7.00x12-12		7.00x12-14		7.00x12-14		7.00x12-14	
2,000		2,100		2,100		2,100		2,100	
1,153/1,115		1,153/1,115		1,153/1,115		1,153/1,115		1,153/1,115	
160		160		160		160		160	
205		205		205		205		205	
Foot/Hyd		Foot/Hyd		Foot/Hyd		Foot/Hyd		Foot/Hyd	
Hand/Mech		Hand/Mech		Hand/Mech		Hand/Mech		Hand/Mech	
24/75		24/75		24/75		24/75		24/75	
DB58S D439E		DB58S D439E		DB58S D439E		DB58S D439E		DB58S D439E	
68.0/2,200 68/2,300		68.0/2,200 68/2,300		68.0/2,200 68/2,300		68.0/2,200 68/2,300		68.0/2,200 68/2,300	
324/1,600 324/1,600		324/1,600 324/1,600		324/1,600 324/1,600		324/1,600 324/1,600		324/1,600 324/1,600	
4/6/5,785 4/4/3,900		4/6/5,785 4/4/3,900		4/6/5,785 4/4/3,900		4/6/5,785 4/4/3,900		4/6/5,785 4/4/3,900	
Powershift		Powershift		Powershift		Powershift		Powershift	
2/2		2/2		2/2		2/2		2/2	
190/140		210/140		210/140		230/140		230/140	

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CHARACTERISTICS									
Doosan		Doosan		Doosan		Doosan		Doosan	
D40SC-5		D45SC-5		D50SC-5		D55SC-5		D55SC-5	
4,000		4,500		5,000		5,500		5,500	
500		500		500		500		500	
Diesel		Diesel		Diesel		Diesel		Diesel	
Driver-seated		Driver-seated		Driver-seated		Driver-seated		Driver-seated	
P		P		P		P		P	
x2/2		x2/2		x2/2		x2/2		x2/2	
3,000		3,000		3,000		3,050		3,050	
160		160		160		170		170	
III		III		IV		IV		IV	
1,050x150x50		1,050x150x50		1,200x150x50		1,200x150x60		1,200x150x60	
310 x 1,182		310 x 1,182		340 x 1,290		340 x 1,290		340 x 1,290	
8/10		8/10		8/10		8/10		8/10	
3,100		3,150		3,265		3,300		3,300	
1,372		1,451		1,451		1,451		1,451	
2,225		2,230		2,230		2,380		2,380	
4,265		4,270		4,420		4,470		4,470	
2,225		2,230		2,230		2,230		2,230	
1,248		1,255		1,255		1,255		1,255	
2,770		2,820		2,865		2,930		2,930	
561		561		561		571		571	
3,331		3,381		3,426		3,501		3,501	
24 / 25		24 / 25		24 / 25		24 / 25		24 / 25	
520 / 540 540 / 575		520 / 540 535 / 575		520 / 540 530 / 575		470 / 540 525 / 575		470 / 540 525 / 575	
480 / 450		480 / 450		480 / 450		480 / 450		490 / 450	
3,470 3,470		3,450 3,410		3,470 3,430		3,450 3,410		3,450 3,410	
38 40		35 35.5		32 35		30 30.5		30 30.5	
5,790 5,760		6,180 6,100		6,550 6,540		7,050 7,020		7,050 7,020	
8,215/1,075 8,100/1,160		8,980/1,200 8,810/1,290		9,800/1,250 9,690/1,350		10,680/1,370 10,530/1,490		10,680/1,370 10,530/1,490	
2,685/3,105 2,565/3,195		2,660/3,520 2,490/3,610		2,810/3,740 2,700/3,840		2,890/4,160 2,740/4,280		2,890/4,160 2,740/4,280	
2/2		2/2		2/2		2/2		2/2	
8.25x15-14		300x15-18		300x15-18		300x15-18		300x15-18	
7.00x12-12		7.00x12-12		7.00x12-12		7.00x12-14		7.00x12-14	
2,000		2,000		2,100		2,100		2,100	
1,138/1,115		1,153/1,115		1,153/1,115		1,153/1,115		1,153/1,115	
160		160		160		160		160	
205		205		205		205		205	
Foot/Hyd		Foot/Hyd		Foot/Hyd		Foot/Hyd		Foot/Hyd	
Hand/Mech		Hand/Mech		Hand/Mech		Hand/Mech		Hand/Mech	
24/75		24/75		24/75		24/75		24/75	
DB58S D439E		DB58S D439E		DB58S D439E		DB58S D439E		DB58S D439E	
68.0/2,200 68/2,300		68.0/2,200 68/2,300		68.0/2,200 68/2,300		68.0/2,200 68/2,300		68.0/2,200 68/2,300	
324/1,600 324/1,600		324/1,600 324/1,600		324/1,600 324/1,600		324/1,600 324/1,600		324/1,600 324/1,600	
4/6/5,785 4/4/3,900		4/6/5,785 4/4/3,900		4/6/5,785 4/4/3,900		4/6/5,785 4/4/3,900		4/6/5,785 4/4/3,900	
Powershift		Powershift		Powershift		Powershift		Powershift	
2/2		2/2		2/2		2/2		2/2	
190/140		190/140		210/140		210/140		210/140	

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