



Doosan Infracore
Forklifts

Pneumatic and Cushion Forklift Trucks

D35S / D40S / D45S-5 & D50C / D55C-5

G35S / G40S / G45S-5 & G50C / G55C-5

3,500kg to 5,500kg Capacity

PRO5
SERIES



3,500/4,000/4,500/5,000 /5,500kg Capacities

Engine Powered Forklift Trucks

Pneumatic Tire

MAIN VEHICLE SPECIFICATIONS

		DOOSAN	DOOSAN	DOOSAN	DOOSAN			
CHARACTERISTICS	1	Manufacture		DOOSAN	DOOSAN	DOOSAN	DOOSAN	
	2	Model		D35S-5	D40S-5	D45S-5	D50C-5	
	3	Load Capacity	at rated load center	kg	3,500	4,000	4,500	5,000
	4	Load Center		mm	600	600	600	600
	5	Power type	Elec, Diesel, LPG, Gasoline		Diesel	Diesel	Diesel	Diesel
	6	Operator type			Driver-seated	Driver-seated	Driver-seated	Driver-seated
	7	Tire type	P:Pnu, E:Solid Soft, C: Cush		P	P	P	P
	8	Wheels (x=Driven)	Front / Rear		x 2 / 2	x 2 / 2	x 2 / 2	x 2 / 2
DIMENSIONS	9	Max. Fork Height	with STD 2-stage mast	mm	3,000	3,000	3,000	3,050
	10	Free Lift		mm	160	160	160	170
	12	Fork Carriage	ISO Class		III	III	IV	IV
	13	Forks	Length x Width x Thickness	mm	1,050 x 150 x 50	1,050 x 150 x 50	1,200 x 150x50	1,200 x 150x60
			Fork Spacing(Min x Max)	mm	310 x 1,182	310 x 1,182	340 x 1,290	340 x 1,290
	14	Tilt of Mast	Forward / Backward	deg	8 / 10	8 / 10	8 / 10	8 / 10
	15	Overall Dimensions	Length to Fork Face	mm	3,100	3,151	3,265	3,300
			Overall Width	mm	1,372	1,451	1,451	1,451
			Mast Lowered Height	mm	2,225	2,230	2,230	2,380
			Mast Extended Height	mm	4,265	4,270	4,420	4,470
			Overhead Guard Height	mm	2,225	2,230	2,230	2,230
			Seat Height	mm	1,248	1,255	1,255	1,255
	21	Turning Radius	Minimum outside	mm	2,770	2,820	2,865	2,930
	22	Load Moment Center		mm	561	561	561	571
	23	Aisle 90 degree stacking(add load length & clearance)		mm	3,331	3,381	3,426	3,501
PERFORMANCE	24	Travel Speed	Loaded / Unloaded	km/h	24 / 25	24 / 25	24 / 25	24 / 25
	25	Lifting Speed	Loaded / Unloaded	mm/s	520 / 540	520 / 540	520 / 540	470 / 540
	26	Lowering Speed	Loaded / Unloaded	mm/s	480 / 450	480 / 450	480 / 450	490 / 450
	28	Max. drawbar pull	Loaded at 1.0 mph (1.6km / h)	kg	3,470	3,450	3,470	3,450
	30	Max. gradeability	Loaded at 1.0 mph (1.6km / h)	%	38	35	32	30
WEIGHT	32	Total Service Weight, Unloaded		kg	5,790	6,180	6,550	7,050
	33	Axle Load	Loaded, Front / Rear	kg	8,215 / 1,075	8,980 / 1,200	9,800 / 1,250	10,680 / 1,370
			Unloaded, Front / Rear	kg	2,685 / 3,105	2,660 / 3,520	2,810 / 3,740	2,890 / 4,160
	35	Number of wheels(F / R)			2 / 2	2 / 2	2 / 2	2 / 2
36	Tires	Size, Front		8.25 x 15-14	300 x 15-18	300 x 15-18	300 x 15-18	
		Size, Rear		7.00 x 12-12	7.00 x 12-12	7.00 x 12-12	7.00 x 12-14	
		Wheel Base	Distance	mm	2,000	2,000	2,100	2,100
39	Tread Width	Front / Rear	mm	1,138 / 1,115	1,153 / 1,115	1,153 / 1,115	1,153 / 1,115	
CHASSIS	40	Ground Clearance	Loaded at the lowest point	mm	160	160	160	160
			Loaded at center of wheelbase	mm	205	205	205	205
	42	Brakes	Service		shoe / disc	shoe / disc	shoe / disc	shoe / disc
			Parking		ratchet	ratchet	ratchet	ratchet
45	Battery	Voltage / Ampere	V/AH	24 / 75	24 / 75	24 / 75	24 / 75	
POWER TRAIN	49	Engine	Model		DB58S	DB58S	DB58S	DB58S
			Rated Power(DIN)	HP/rpm	92 / 2,200	92 / 2,200	92 / 2,200	92 / 2,200
				kW/rpm	68 / 2,200	68 / 2,200	68 / 2,200	68 / 2,200
			Maximum Torque	N-m/rpm	324 / 1,600	324 / 1,600	324 / 1,600	324 / 1,600
	52	Cylinders / Displacements	CC	6 / 5,785	6 / 5,785	6 / 5,785	6 / 5,785	
	55	Transmission	Type		powershift	powershift	powershift	powershift
Number of Speed (Fwd / Rev)				2 / 2	2 / 2	2 / 2	2 / 2	
57	Hydraulic Pressure	System	bar	190	190	210	210	
		Attachment	bar	140	140	140	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.