



TECHNICAL SPECIFICATIONS

Pneumatic Forklift Trucks

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

D40SC / D45SC / D50SC-5 / D55SC-2

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

G40SC / G45SC / G50SC-5 / G55SC-2

GC35S / GC40S / GC45S-5 & GC50C / GC55C-5

3,500kg to 5,500kg Capacity

PRO5
SERIES



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

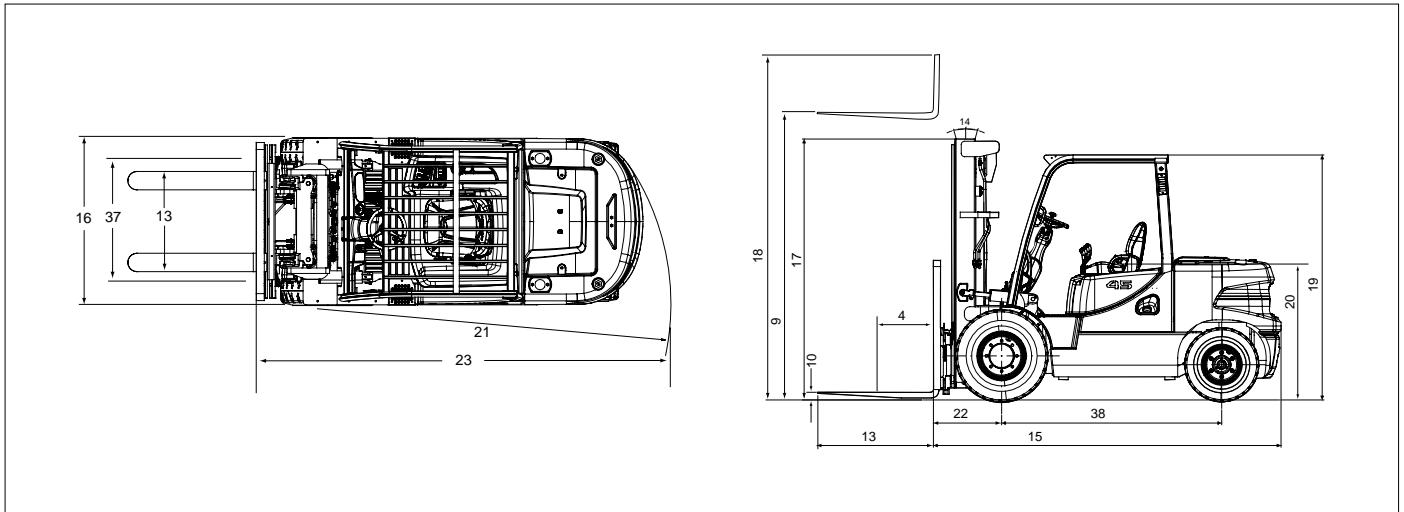
Engine Powered Forklift Trucks Pneumatic Tire

MAIN VEHICLE SPECIFICATIONS

CHARACTERISTICS	1	Manufacture			DOOSAN	DOOSAN	DOOSAN	DOOSAN	DOOSAN	
	2	Model			D35S-5	D40S-5	D45S-5	D50C-5	D55C-5	
	3	Load Capacity	at rated load center	kg	3,500	4,000	4,500	5,000	5,500	
	4	Load Center		mm	600	600	600	600	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)	Front / Rear		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	mm	3,000	3,000	3,000	3,050	3,050	
	10	Free Lift		mm	160	160	160	170	170	
	12	Fork Carriage	ISO Class		III	III	IV	IV	IV	
	13	Forks	Length x Width x Thickness	mm	1,050x150x50	1,050x150x50	1,200x150x50	1,200x150x60	1,200x150x60	
			Fork Spacing(Min x Max)	mm	310 x 1,182	310 x 1,182	340 x 1,290	340 x 1,290	340 x 1,290	
	14	Tilt of Mast	Forward / Backward	deg	8 / 10	8 / 10	8 / 10	8 / 10	8 / 10	
	15	Overall Dimensions	Length to Fork Face	mm	3,100	3,151	3,265	3,300	3,350	
			Overall Width	mm	1,372	1,451	1,451	1,451	1,451	
			Mast Lowered Height	mm	2,225	2,230	2,230	2,380	2,380	
			Mast Extended Height	mm	4,265	4,270	4,420	4,470	4,470	
			Overhead Guard Height	mm	2,225	2,230	2,230	2,230	2,230	
	19	Seat Height		mm	1,248	1,255	1,255	1,255	1,255	
	21	Turning Radius	Minimum outside	mm	2,770	2,820	2,865	2,930	2,990	
	22	Load Moment Center		mm	561	561	561	571	571	
	23	Aisle 90 degree stacking(add load length & clearance)		mm	3,331	3,381	3,426	3,501	3,561	
PERFORMANCE	24	Travel Speed	Loaded / Unloaded	km/h	24 / 25	24 / 25	24 / 25	24 / 25	24 / 25	
	25	Lifting Speed	Loaded / Unloaded	mm/s	520 / 540	520 / 540	520 / 540	470 / 540	470 / 540	
	26	Lowering Speed	Loaded / Unloaded	mm/s	480 / 450	480 / 450	480 / 450	490 / 450	490 / 450	
	28	Max. drawbar pull	Loaded at 1.0 mph (1.6km / h)	kg	3,300	3,300	3,400	3,500	3,600	
	30	Max. gradeability	Loaded at 1.0 mph (1.7km / h)	%	38	35	32	30	28	
	32	Total Service Weight, Unloaded		kg	5,790	6,180	6,550	7,050	7,390	
WEIGHT	33	Axle Load	Loaded, Front / Rear	kg	8,215 / 1,075	8,980 / 1,200	9,800 / 1,250	10,680 / 1,370	11,370 / 1,520	
			Unloaded, Front / Rear	kg	2,685 / 3,105	2,660 / 3,520	2,810 / 3,740	2,890 / 4,160	2,800 / 4,590	
CHASSIS	35	Tires	Number of wheels(F / R)		2 / 2	2 / 2	2 / 2	2 / 2	2 / 2	
			Size, Front		8.25x15-14	300x15-18	300x15-18	300x15-18	300x15-18	
			Size, Rear		7.00x12-12	7.00x12-12	7.00x12-12	7.00x12-14	7.00x12-14	
	38	Wheel Base	Distance	mm	2,000	2,000	2,100	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	1,153 / 1,115	
	40	Ground Clearance	Loaded at the lowest point	mm	160	160	160	160	160	
			Loaded at center of wheelbase	mm	205	205	205	205	205	
	42	Brakes	Service		shoe / disc	shoe / disc	shoe / disc	shoe / disc	shoe / disc	
Parking				ratchet	ratchet	ratchet	ratchet	ratchet		
45	Battery	Voltage / Ampere	V/AH	24 / 75	24 / 75	24 / 75	24 / 75	24 / 75		
POWER TRAIN	49	Engine	Model		DB58S	DB58S	DB58S	DB58S	DB58S	
			Rated Power(DIN)	HP/rpm		91 / 2,200	91 / 2,200	91 / 2,200	91 / 2,200	91 / 2,200
				kW/rpm		68 / 2,200	68 / 2,200	68 / 2,200	68 / 2,200	68 / 2,200
			Maximum Torque	kgm/rpm		33 / 1,600	33 / 1,600	33 / 1,600	33 / 1,600	33 / 1,600
	52	Cylinders / Displacements	CC		6 / 5,785	6 / 5,785	6 / 5,785	6 / 5,785	6 / 5,785	
55	Transmission	Type		powershift	powershift	powershift	powershift	powershift		
		Number of Speed (Fwd / Rev)		2 / 2	2 / 2	2 / 2	2 / 2	2 / 2		
57	Hydraulic Pressure	System	bar	190	190	210	210	230		
		Attachment	bar	140	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.

DIMENSIONAL DRAWING



MAST SPECIFICATIONS and RATED CAPACITIES

D,G35S-5, D,G40SC-5

Mast type	Maximum Fork Height	Maximum Lowered Height	Fully Extended Height	Free Lift	Rated Load Capacities					
					D,G35S-5, D,G40SC-5					
			With Load Backrest	With Load Backrest	Tilt Angle				Load Capacities	
					Single Pneu.		Double Pneu.		Single Pneu.	Double Pneu.
FWD	BWD	FWD	BWD	LC500mm	LC500mm					
	mm	mm	mm	mm	deg	deg	deg	deg	kg	kg
STD	3000	2225	4265	160	8	10	8	10	3700	3700
	3300	2375	4565	160	8	10	8	10	3700	3700
	3650	2550	4915	160	8	10	8	10	3700	3700
	4000	2875	5265	160	8	10	8	10	3700	3700
	4250	3000	5515	160	8	10	8	10	3685	3685
	4850	3450	6115	160	8	8	8	10	3520	3540
FF	3000	2205	4250	1005	8	10	8	10	3700	3700
FFT	4000	2090	5265	890	8	8	8	8	3680	3705
	4250	2175	5530	975	8	8	8	8	3595	3645
	4700	2325	5980	1125	8	8	8	8	3460	3480
	5150	2475	6430	1275	8	5	8	8	3320	3345
	5600	2625	6880	1425	8	3	8	8	3185	3210
	6050	2775	7330	1575	8	3	8	5	2750	3095

D,G40S-5, D,G45SC-5

Mast type	Maximum Fork Height	Maximum Lowered Height	Fully Extended Height	Free Lift	Rated Load Capacities					
					D,G40S-5, D,G45SC-5					
			With Load Backrest	With Load Backrest	Tilt Angle				Load Capacities	
					Single Pneu.		Double Pneu.		Single Pneu.	Double Pneu.
FWD	BWD	FWD	BWD	LC500mm	LC500mm					
	mm	mm	mm	mm	deg	deg	deg	deg	kg	kg
STD	3000	2230	4270	160	8/10	10	8/10	10	4170	4170
	3300	2380	4570	160	8/10	10	8/10	10	4170	4170
	3650	2555	4920	160	8/10	10	8/10	10	4170	4170
	4000	2880	5270	160	8/10	10	8/10	10	4170	4170
	4250	3005	5520	160	8/10	10	8/10	10	4160	4160
	4850	3455	6120	160	8/8	8	8/10	10	4035	4055
FF	3000	2210	4255	1010	8/10	10	8/10	10	4175	4175
FFT	4000	2090	5270	890	8/8	8	8/8	8	4180	4180
	4250	2180	5535	980	8/8	8	8/8	8	4140	4165
	4700	2330	5985	1130	8/8	8	8/8	8	3975	4000
	5150	2480	6435	1280	8/5	5	8/8	5	3810	3860
	5600	2630	6885	1430	8/3	3	8/5	3	3675	3695
	6050	2780	7335	1580	8/3	3	8/3	3	3420	3375

D,G45S-5, D,G50SC-5

Mast type	Maximum Fork Height	Maximum Lowered Height	Fully Extended Height	Free Lift	Rated Load Capacities					
					D,G45S-5, D,G50SC-5					
					Tilt Angle				Load Capacities	
					Single Pneu.		Double Pneu.		Single Pneu.	Double Pneu.
				FWD	BWD	FWD	BWD	LC500mm	LC500mm	
	mm	mm	mm	mm	deg	deg	deg	deg	kg	kg
STD	3000	2230	4420	160	8/10	10	8/10	10	4550	4550
	3300	2380	4720	160	8/10	10	8/10	10	4550	4550
	3650	2555	5070	160	8/10	10	8/10	10	4550	4550
	4000	2880	5420	160	8/10	10	8/10	10	4550	4550
	4250	3005	5670	160	8/10	10	8/10	10	4535	4535
	4850	3455	6270	160	8/5	5	8/10	10	4405	4225
FF	3000	2210	4400	860	8/10	10	8/10	10	4550	4550
FFT	4000	2090	5415	740	8/8	8	8/8	8	4555	4555
	4250	2180	5680	830	8/8	8	8/8	8	4520	4545
	4700	2330	6130	980	8/8	8	8/8	8	4330	4375
	5150	2480	6580	1130	8/3	3	8/8	8	4165	4050
	5600	2630	7030	1280	8/3	3	8/5	5	4005	3660
	6050	2780	7480	1430	8/3	3	8/3	3	3140	3140

D,G50S-5, D,G55SC-5

Mast type	Maximum Fork Height	Maximum Lowered Height	Fully Extended Height	Free Lift	Rated Load Capacities					
					D,G50S-5, D,G55SC-5					
					Tilt Angle				Load Capacities	
					Single Pneu.		Double Pneu.		Single Pneu.	Double Pneu.
				FWD	BWD	FWD	BWD	LC500mm	LC500mm	
	mm	mm	mm	mm	deg	deg	deg	deg	kg	kg
STD	2750	2230	4170	170	8/10	10	8/10	10	5015	5015
	3050	2380	4470	170	8/10	10	8/10	10	5015	5015
	3400	2555	4820	170	8/10	10	8/10	10	5015	5015
	3750	2880	5170	170	8/10	10	8/10	10	5015	5015
	4000	3005	5420	170	8/10	10	8/10	10	5015	5015
	4600	3455	6020	170	8/8	8	8/10	10	4975	4975
FF	2875	2210	4275	870	8/10	10	8/10	10	5015	5015
FFT	3875	2090	5290	750	8/8	8	8/8	8	5020	5020
	4125	2180	5555	840	8/8	8	8/8	8	5015	5015
	4575	2330	6005	990	8/8	8	8/8	8	4870	4870
	5025	2480	6455	1140	8/5	5	8/8	8	4680	4680
	5475	2630	6905	1290	8/3	3	8/5	5	4145	4145
	5925	2780	7355	1440	8/3	3	8/5	5	3185	3185

D,G55C-5 (COMPACT)

Mast type	Maximum Fork Height	Maximum Lowered Height	Fully Extended Height	Free Lift	Rated Load Capacities					
					D,G55C-5 (COMPACT)					
					Tilt Angle				Load Capacities	
					Single Pneu.		Double Pneu.		Single Pneu.	Double Pneu.
				FWD	BWD	FWD	BWD	LC500mm	LC500mm	
	mm	mm	mm	mm	deg	deg	deg	deg	kg	kg
STD	2750	2230	4170	170	8/10	10	8/10	10	5050	5050
	3050	2380	4470	170	8/10	10	8/10	10	5050	5050
	3400	2555	4820	170	8/10	10	8/10	10	5050	5050
	3750	2880	5170	170	8/10	10	8/10	10	5050	5050
	4000	3005	5420	170	8/10	10	8/10	10	5050	5050
	4600	3455	6020	170	8/8	8	8/10	10	4920	4455
FF	2875	2210	4275	870	8/10	10	8/10	10	5055	5055
FFT	3875	2090	5290	750	8/8	8	8/8	8	5060	5060
	4125	2180	5555	840	8/8	8	8/8	8	5050	5050
	4575	2330	6005	990	8/8	8	8/8	8	5020	5020
	5025	2480	6455	1140	8/5	5	8/8	8	4665	3995
	5475	2630	6905	1290	8/3	3	8/5	5	4040	3625
	5925	2780	7355	1440	8/3	3	8/5	5	3100	2755



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