



# TECHNICAL SPECIFICATIONS

## Pneumatic Forklift Trucks

D20S / D25S / D30S / D33S-5 & D35C-5

G20E / G25E / G30E-5

G20P / G25P / G30P / G33P-5 & G35C-5

**PRO5**  
SERIES



# 2,000/2,500/3,000/3,250/3,500 kg Capacities

Engine Powered Forklift Trucks

Pneumatic Tire, Diesel

## MAIN VEHICLE SPECIFICATIONS

				DOOSAN	DOOSAN	DOOSAN	DOOSAN	DOOSAN		
CHARACTERISTICS	1	Manufacture		DOOSAN	DOOSAN	DOOSAN	DOOSAN	DOOSAN		
	2	Model		D20S-5	D25S-5	D30S-5	D33S-5	D35C-5		
	3	Load Capacity	at rated load center	kg	2,000	2,500	3,000	3,250	3,500	
	4	Load Center		mm	500	500	500	500	500	
	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	3,230	3,230	3,230	3,230	3,000	
	10	Free Lift		mm	152	152	152	152	152	
	12	Fork Carriage	ISO Class		II	II	III	III	III	
	13	Forks	Length x Width x Thickness	mm	1,050x100x40	1,050x100x40	1,050x125x45	1,050x125x45	1,050x125x45	
			Fork Spacing(Min x Max)	mm	275x1,035	275x1,035	286x1,044	286x1,044	286x1,044	
	14	Tilt of Mast	Forward/Backward	deg	6 / 10	6 / 10	6 / 10	6 / 10	6 / 10	
	15	Overall Dimensions	Length to Fork Face	mm	2,530	2,595	2,700	2,730	2,765	
			Overall Width(Single / Dual Tire)	mm	1,170 / 1,625	1,170 / 1,625	1,197 / 1,625	1,197 / 1,625	1,255 / 1,625	
			Mast Lowered Height	mm	2,175	2,175	2,165	2,165	2,165	
			Mast Extended Height	mm	4,490	4,490	4,490	4,490	4,260	
			Overhead Guard Height	mm	2,183	2,183	2,183	2,183	2,183	
	19	Seat Height		mm	1,060	1,060	1,060	1,060	1,060	
	21	Turning Radius	Minimum outside	mm	2,220	2,265	2,365	2,395	2,420	
	22	Load Moment Center		mm	480	480	485	485	495	
	23	Aisle 90 degree stacking(add load length & clearance)		mm	2,700	2,745	2,850	2,880	2,915	
PERFORMANCE	24	Travel Speed	Loaded/Unloaded	km/h	19 / 19.5	19 / 19.5	18.5 / 19	18 / 18.5	18.5 / 19	
	25	Lifting Speed	Loaded/Unloaded	mm/s	530 / 550	520 / 550	500 / 550	490 / 550	420 / 550	
	26	Lowering Speed	Loaded/Unloaded	mm/s	510 / 460	510 / 460	510 / 460	510 / 460	510 / 460	
	28	Max. drawbar pull	Loaded at 1.0 mph (1.6km/h)	kg	1,765	1,740	1,830	1,820	1,750	
	30	Max. gradeability	Loaded at 1.0 mph (1.6km/h)	%	33	28	25	23.5	21.5	
	32	Total Service Weight, Unloaded		kg	3,580	3,950	4,450	4,630	4,810	
33	Axle Load	Loaded, Front/Rear	kg	4,930 / 650	5,660 / 790	6,580 / 870	6,940 / 940	7,340 / 970		
		Unloaded, Front/Rear	kg	1,720 / 1,860	1,650 / 2,300	1,840 / 2,610	1,800 / 2,830	1,780 / 3,030		
CHASSIS	35	Tires	Number of wheels(F/R)		2 / 2	2 / 2	2 / 2	2 / 2	2 / 2	
	36	Tires	Size, Front		7.00x15-12	7.00x15-12	28x9x15-12	28x9x15-12	250x15-18	
			Size, Rear		6.50x10-10	6.50x10-10	6.50x10-10	6.50x10-12	6.50x10-12	
	38	Wheel Base	Distance	mm	1,625	1,625	1,700	1,700	1,700	
	39	Tread Width	Front/Rear	mm	975 / 1,000	975 / 1,000	982 / 1,000	982 / 1,000	1,026 / 1,000	
	40	Ground Clearance	Loaded at the lowest point	mm	115	115	108	108	108	
			Loaded at center of wheelbase	mm	152	152	152	152	152	
42	Brakes	Service		Foot / Hyd	Foot / Hyd	Foot / Hyd	Foot / Hyd	Foot / Hyd		
		Parking		Hand / Mech	Hand / Mech	Hand / Mech	Hand / Mech	Hand / Mech		
POWER TRAIN	45	Battery	Voltage/Ampere	V/AH	12 / 85	12 / 85	12 / 85	12 / 85	12 / 85	
	49	Engine	Model		4TNE98	4TNE98	4TNE98	4TNE98	4TNE98	
			Rated Power(DIN)	HP/rpm		59 / 2,300	59 / 2,300	59 / 2,300	59 / 2,300	59 / 2,300
				kW/rpm		43.7 / 2,300	43.7 / 2,300	43.7 / 2,300	43.7 / 2,300	43.7 / 2,300
			Maximum Torque	N-m/rpm		181 / 1,600	181 / 1,600	181 / 1,600	181 / 1,600	181 / 1,600
	52	Cylinders/Displacements	cc	3,319	3,319	3,319	3,319	3,319		
	55	Transmission	Type		powershift	powershift	powershift	powershift	powershift	
			Number of Speed (Fwd/Rev)		1 / 1	1 / 1	1 / 1	1 / 1	1 / 1	
57	Hydraulic Pressure	System	bar	181	195	216	216	216		
		Attachment	bar	156	156	156	156	156		

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.



# MAST SPECIFICATIONS and RATED CAPACITIES

## D/G 20S(E.P)-5

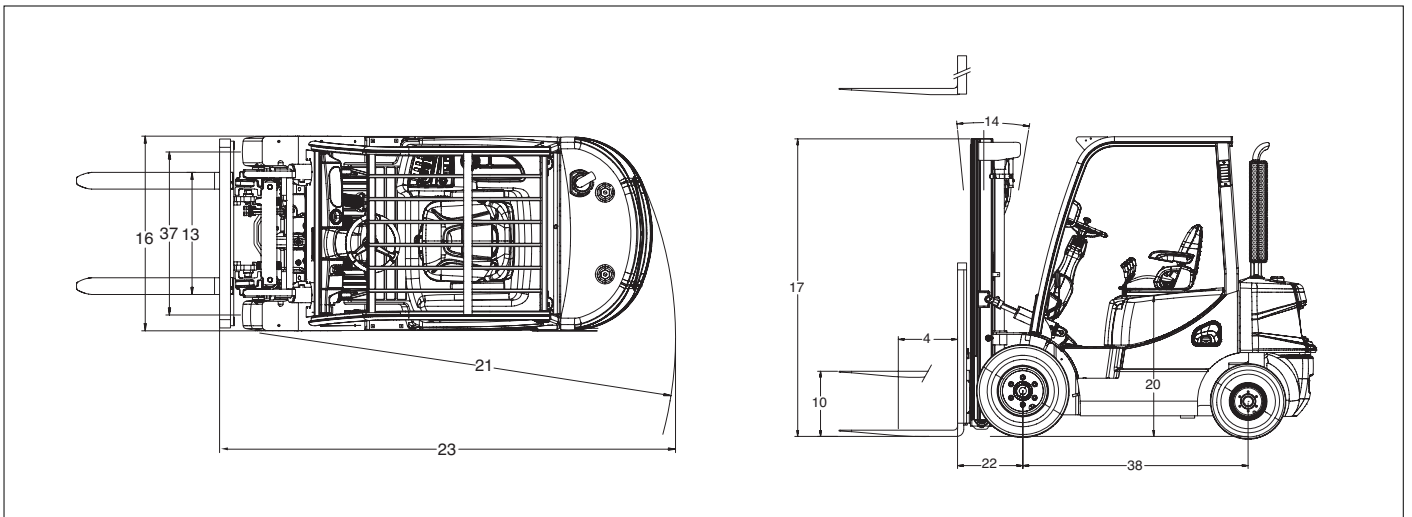
Mast type	Maximum Fork Height	Maximum Lowered Height	Fully Extended Height	Free Lift	Rated Load Capacities								
					D/G 20S(E.P)-5								
					With Load Backrest	With Load Backrest	Tilt Angle				Load Capacities		
							Single Pneu.		Double Pneu		Single Solid		Single Pneu.
FWD	BWD	FWD	BWD	FWD	BWD	LC 500mm	LC 500mm	LC 500mm					
	mm	mm	mm	mm	deg	deg	deg	deg	deg	deg	kg	kg	kg
STD	2030	1575	3290	147	6	10	6	10	6	10	2000	2000	2000
	2580	1850	3840	147	6	10	6	10	6	10	2000	2000	2000
	2950	2035	4210	147	6	10	6	10	6	10	2000	2000	2000
	3230	2175	4490	147	6	10	6	10	6	10	2000	2000	2000
	3500	2425	4765	147	6	10	6	10	6	10	2000	2000	2000
	3800	2575	5065	147	6	10	6	10	6	10	2000	2000	2000
	3950	2650	5215	147	6	10	6	10	6	10	2000	2000	2000
	4350	2850	5615	147	6	10	6	10	6	10	2000	2000	2000
	4960	3150	6215	147	6	5	6	10	6	10	1900	1925	1975
FF	2580	1850	3840	645	6	10	6	10	6	10	2000	2000	2000
	2950	2035	4210	830	6	10	6	10	6	10	2000	2000	2000
	3230	2175	4490	970	6	10	6	10	6	10	2000	2000	2000
	3600	2425	4865	1220	6	10	6	10	6	10	2000	2000	2000
FFT	3900	1900	5165	695	6	8	6	8	6	8	2000	2000	2000
	4290	2035	5570	830	6	8	6	8	6	8	2000	2000	2000
	4730	2175	5990	970	6	8	6	8	6	8	1950	1950	2000
	5560	2525	6815	1320	6	3	6	8	6	8	1650	1825	1875
	6010	2675	7265	1470	6	3	6	8	6	5	1300	1750	1825
	6500	2915	7760	1710	6	3	6	8	6	3	975	1675	1750

## D/G 25S(E.P)-5

Mast type	Maximum Fork Height	Maximum Lowered Height	Fully Extended Height	Free Lift	Rated Load Capacities								
					D/G 25S(E.P)-5								
					With Load Backrest	With Load Backrest	Tilt Angle				Load Capacities		
							Single Pneu.		Double Pneu		Single Solid		Single Pneu.
FWD	BWD	FWD	BWD	FWD	BWD	LC 500mm	LC 500mm	LC 500mm					
	mm	mm	mm	mm	deg	deg	deg	deg	deg	deg	kg	kg	kg
STD	2030	1575	3290	147	6	10	6	10	6	10	2500	2500	2500
	2580	1850	3840	147	6	10	6	10	6	10	2500	2500	2500
	2950	2035	4210	147	6	10	6	10	6	10	2500	2500	2500
	3230	2175	4490	147	6	10	6	10	6	10	2500	2500	2500
	3500	2425	4765	147	6	10	6	10	6	10	2500	2500	2500
	3800	2575	5065	147	6	10	6	10	6	10	2500	2500	2500
	3950	2650	5215	147	6	10	6	10	6	10	2500	2500	2500
	4350	2850	5615	147	6	5	6	10	6	10	2500	2500	2500
	4960	3150	6215	147	6	3	6	10	6	8	2075	2450	2500
FF	2580	1850	3840	645	6	10	6	10	6	10	2500	2500	2500
	2950	2035	4210	830	6	10	6	10	6	10	2500	2500	2500
	3230	2175	4490	970	6	10	6	10	6	10	2500	2500	2500
	3600	2425	4865	1220	6	10	6	10	6	10	2500	2500	2500
FFT	3900	1900	5165	695	6	8	6	8	6	8	2500	2500	2500
	4290	2035	5570	830	6	5	6	8	6	8	2500	2500	2500
	4730	2175	5990	970	6	3	6	8	6	8	2450	2500	2500
	5560	2525	6815	1320	6	3	6	8	6	5	1525	2325	2400
	6010	2675	7265	1470	6	3	6	8	6	3	1175	2250	2300
	6500	2915	7760	1710	6	3	6	5	6	3	875	2150	1850

## D/G 30S(E.P)-5

Mast type	Maximum Fork Height	Maximum Lowered Height	Fully Extended Height	Free Lift	Rated Load Capacities								
					D/G 30S(E.P)-5								
					With Load Backrest	With Load Backrest	Tilt Angle				Load Capacities		
							Single Pneu.		Double Pneu		Single Solid		Single Pneu.
FWD	BWD	FWD	BWD	FWD	BWD	LC 500mm	LC 500mm	LC 500mm					
	mm	mm	mm	mm	deg	deg	deg	deg	deg	deg	kg	kg	kg
STD	2030	1565	3290	152	6	10	6	10	6	10	3000	3000	3000
	2580	1840	3840	152	6	10	6	10	6	10	3000	3000	3000
	2950	2025	4210	152	6	10	6	10	6	10	3000	3000	3000
	3230	2165	4490	152	6	10	6	10	6	10	3000	3000	3000
	3500	2415	4765	152	6	10	6	10	6	10	3000	3000	3000
	3800	2565	5065	152	6	10	6	10	6	10	3000	3000	3000
	3950	2640	5215	152	6	10	6	10	6	10	3000	3000	3000
	4350	2840	5615	152	6	5	6	10	6	10	3000	3000	3000
	4960	3140	6215	152	6	3	6	10	6	10	2525	2900	2975
FF	2580	1840	3840	640	6	10	6	10	6	10	3000	3000	3000
	2950	2025	4210	825	6	10	6	10	6	10	3000	3000	3000
	3230	2165	4490	965	6	10	6	10	6	10	3000	3000	3000
	3600	2415	4865	1215	6	10	6	10	6	10	3000	3000	3000
FFT	3900	1890	5165	690	6	8	6	8	6	8	2900	2900	2900
	4290	2025	5570	825	6	8	6	8	6	8	2900	2900	2900
	4730	2165	5990	965	6	3	6	8	6	8	2900	2900	2900
	5560	2515	6815	1315	6	3	6	8	6	5	1850	2750	2825
	6010	2665	7265	1465	6	3	6	5	6	3	1425	2675	2750



**D/G 33S(P)-5**

Mast type	Maximum Fork Height	Maximum Lowered Height	Fully Extended Height	Free Lift	Rated Load Capacities										
					D/G 33S(P)-5						Load Capacities				
					Tilt Angle		Single Pneu.		Double Pneu		Single Solid		Single Pneu.	Double Pneu	Single Solid
					FWD	BWD	FWD	BWD	FWD	BWD	FWD	BWD	LC 500mm	LC 500mm	LC 500mm
	mm	mm	mm	mm	deg	deg	deg	deg	deg	deg	kg	kg	kg		
STD	2030	1565	3290	152	6	10	6	10	6	10	3250	3250	3250		
	2580	1840	3840	152	6	10	6	10	6	10	3250	3250	3250		
	2950	2025	4210	152	6	10	6	10	6	10	3250	3250	3250		
	3230	2165	4490	152	6	10	6	10	6	10	3250	3250	3250		
	3500	2415	4765	152	6	10	6	10	6	10	3250	3250	3250		
	3800	2565	5065	152	6	10	6	10	6	10	3250	3250	3250		
	3950	2640	5215	152	6	10	6	10	6	10	3175	3250	3250		
	4350	2840	5615	152	6	5	6	10	6	10	3175	3250	3250		
	4960	3140	6215	152	6	3	6	10	6	8	2450	3125	3200		
FF	2580	1840	3840	640	6	10	6	10	6	10	3250	3250	3250		
	2950	2025	4210	825	6	10	6	10	6	10	3250	3250	3250		
	3230	2165	4490	965	6	10	6	10	6	10	3250	3250	3250		
	3600	2415	4865	1215	6	10	6	10	6	10	3250	3250	3250		
FFT	3900	1890	5165	690	6	8	6	8	6	8	3250	3250	3250		
	4290	2025	5570	825	6	5	6	8	6	8	3250	3250	3250		
	4730	2165	5990	965	6	3	6	8	6	8	2900	3175	3250		
	5560	2515	6815	1315	6	3	6	8	6	5	1750	2975	3050		
	6010	2665	7265	1465	6	3	6	5	6	3	1350	2875	2950		

**D/G 35C-5**

Mast type	Maximum Fork Height	Maximum Lowered Height	Fully Extended Height	Free Lift	Rated Load Capacities										
					D/G 35C-5						Load Capacities				
					Tilt Angle		Single Pneu.		Double Pneu		Single Solid		Single Pneu.	Double Pneu	Single Solid
					FWD	BWD	FWD	BWD	FWD	BWD	FWD	BWD	LC 500mm	LC 500mm	LC 500mm
	mm	mm	mm	mm	deg	deg	deg	deg	deg	deg	kg	kg	kg		
STD	1800	1565	3060	152	6	10	6	10	6	10	3500	3500	3500		
	2350	1840	3610	152	6	10	6	10	6	10	3500	3500	3500		
	2720	2025	3980	152	6	10	6	10	6	10	3500	3500	3500		
	3000	2165	4260	152	6	10	6	10	6	10	3500	3500	3500		
	3495	2415	4760	152	6	10	6	10	6	10	3500	3500	3500		
	3655	2565	4915	152	6	10	6	10	6	10	3500	3500	3500		
	3805	2640	5065	152	6	10	6	10	6	10	3500	3500	3500		
	4205	2840	5465	152	6	8	6	10	6	10	3425	3425	3500		
	4805	3140	6065	152	6	3	6	8	6	8	3250	3275	3375		
FF	2350	1840	3610	640	6	10	6	10	6	10	3500	3500	3500		
	2720	2025	3980	825	6	10	6	10	6	10	3500	3500	3500		
	3000	2165	4260	965	6	10	6	10	6	10	3500	3500	3500		
	3495	2415	4755	1215	6	10	6	10	6	10	3500	3500	3500		
FFT	3555	1890	4815	690	6	8	6	8	6	8	3400	3400	3400		
	3960	2025	5220	825	6	8	6	8	6	8	3400	3400	3400		
	4380	2165	5640	965	6	5	6	8	6	8	3375	3375	3400		
	4820	2335	6085	1135	6	3	6	8	6	8	3250	3250	3350		
	5205	2515	6465	1315	6	3	6	8	6	5	2600	3150	3250		
	5655	2665	6915	1465	6	3	6	5	6	3	1975	3050	3150		



# PRO5 SERIES



G20E / G25E / G30E-5  
G20P / G25P / G30P / G33P-5 & G35C-5  
2,000kg 2,500kg 3,000kg 3,300kg 3,500kg  
LP, Pneumatic Tire



D20S / D25S / D30S / D33S-5 & D35C-5  
2,000kg 2,500kg 3,000kg 3,300kg 3,500kg  
Diesel, Pneumatic Tire

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AUTHORIZED DEALER

Product and specifications are subject to improvement and change without notice.