

# MAST SPECIFICATION and RATED CAPACITIES

## DG15S-5

Mast type	Maximum fork height	Maximum lowered height	Fully extended height	Free lift	Rated load capacities		
					DG15S-5		
					Tilt angle		Load capacities
			with load backrest	with load backrest	FWD	BWD	LC 500mm
	mm	mm	mm	mm	deg	deg	kg
STD	3,000	2,035	4,055	135	6	8	1,500
	3,300	2,185	4,355	135	6	8	1,500
	3,500	2,285	4,555	135	6	8	1,500
	3,700	2,385	4,755	135	6	8	1,500
	4,000	2,585	5,055	135	6	8	1,500
	4,500	2,835	5,555	135	6	8	1,500
FF	2,700	1,885	3,755	880	6	8	1,500
	3,000	2,035	4,055	1,030	6	8	1,500
	3,300	2,185	4,355	1,180	6	8	1,500
FFT	4,000	1,915	5,055	910	6	8	1,500
	4,500	2,080	5,555	1,075	6	8	1,475
	4,750	2,165	5,805	1,160	6	8	1,425
	5,000	2,280	6,055	1,275	6	5	1,400
	5,500	2,515	6,555	1,510	6	5	1,275
	6,000	2,680	7,055	1,675	6	5	975

## DG18S-5

Mast type	Maximum fork height	Maximum lowered height	Fully extended height	Free lift	Rated load capacities		
					DG18S-5		
					Tilt angle		Load capacities
	mm	mm	mm	mm	FWD	BWD	LC 500mm
	mm	mm	mm	mm	deg	deg	kg
STD	3,000	2,035	4,055	135	6	8	1,750
	3,300	2,185	4,355	135	6	8	1,750
	3,500	2,285	4,555	135	6	8	1,750
	3,700	2,385	4,755	135	6	8	1,750
	4,000	2,585	5,055	135	6	8	1,750
	4,500	2,835	5,555	135	6	8	1,750
FF	2,700	1,885	3,755	880	6	8	1,750
	3,000	2,035	4,055	1,030	6	8	1,750
	3,300	2,185	4,355	1,180	6	8	1,750
FFT	4,000	1,915	5,055	910	6	8	1,750
	4,500	2,080	5,555	1,075	6	8	1,750
	4,750	2,165	5,805	1,160	6	8	1,500
	5,000	2,280	6,055	1,275	6	5	1,575
	5,500	2,515	6,555	1,510	6	5	1,200
	6,000	2,680	7,055	1,675	6	5	900

## DG20SC-5

Mast type	Maximum fork height	Maximum lowered height	Fully extended height	Free lift	Rated load capacities		
					DG20SC-5		
					Tilt angle		Load capacities
	mm	mm	mm	mm	FWD	BWD	LC 500mm
	mm	mm	mm	mm	deg	deg	kg
STD	3,000	2,035	4,060	140	6	8	2,000
	3,300	2,185	4,360	140	6	8	2,000
	3,500	2,285	4,560	140	6	8	2,000
	3,700	2,385	4,760	140	6	8	2,000
	4,000	2,585	5,060	140	6	8	2,000
	4,500	2,835	5,560	140	6	8	1,675
FF	2,700	1,885	3,760	880	6	8	2,000
	3,000	2,035	4,060	1,030	6	8	2,000
	3,300	2,185	4,360	1,180	6	8	2,000
FFT	4,000	1,915	5,060	910	6	8	2,000
	4,500	2,080	5,560	1,075	6	8	1,700
	4,750	2,165	5,810	1,160	6	8	1,750
	5,000	2,280	6,060	1,275	6	5	1,525
	5,500	2,515	6,560	1,510	6	5	1,150
	6,000	2,680	7,060	1,675	6	5	850

Note : Mast specifications & rated Capacities are based on standard chassis with dual pneumatic tire and without side shifter.

**DOOSAN**

Doosan Industrial Vehicle Europe N.V.

Europark-Noord 36A  
9100 Sint-Niklaas  
Belgium

Website : [www.doosaniv.com](http://www.doosaniv.com)

MEADG18S-5-221216ENV1 (December2022)

Authorised Dealer

**DOOSAN**

D15S-5/D18S-5/D20SC-5

G15S-5/G18S-5/G20SC-5

## PRO-5 SERIES FORKLIFTS

Pneumatic diesel & LPG 1.5 to 2.0 tonne capacity

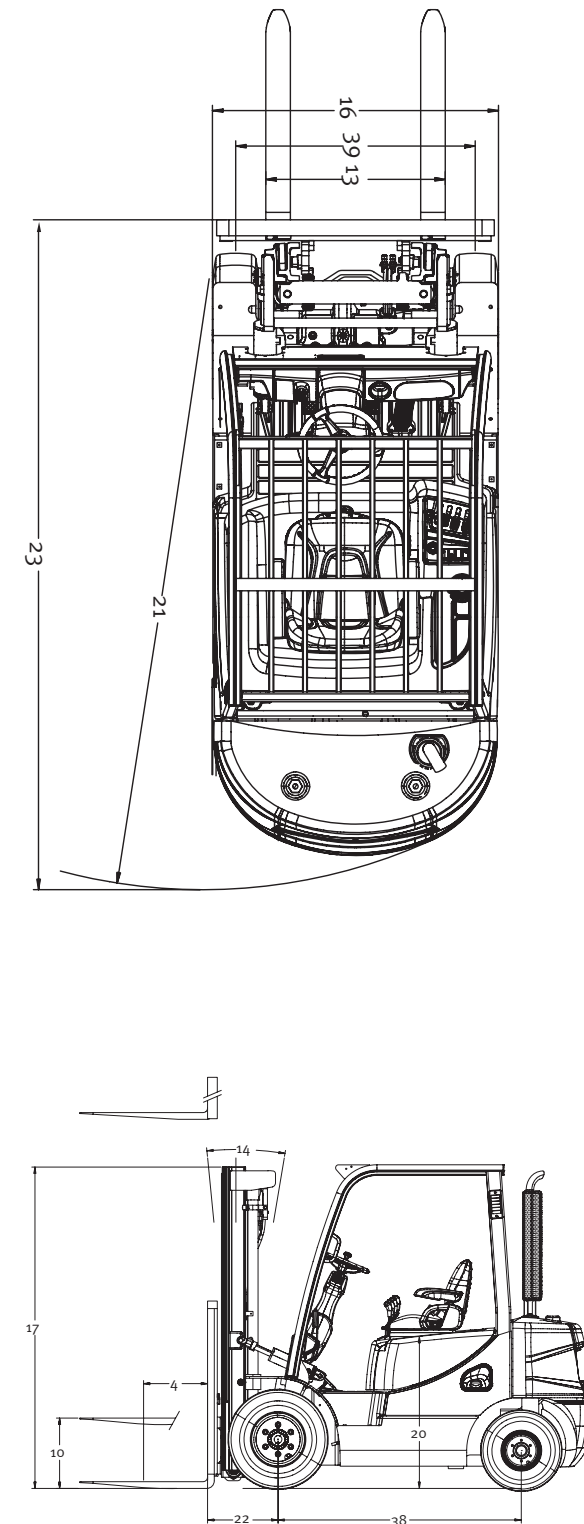
Euro Stage IIIA/Tier III/Non-certified



# Technical Data according to VDI 2198

			Doosan			Doosan			Doosan			
			D15S-5			D18S-5			D20SC-5			
Characteristics	1.1	Manufacturer			Doosan	Doosan	Doosan					
	1.2	Model			D15S-5	D18S-5	D20SC-5					
	1.3	Drive			diesel - Euro IIIA	diesel - Euro IIIA	diesel - Euro IIIA					
	1.4	Operator type			seated	seated	seated					
	1.5	Load capacity	Q	kg	1,500	1,750	2,000					
	1.6	Load center	c	mm	500	500	500					
	1.8	Load distance: centre of drive axle to fork	x	mm	394	394	399					
	1.9	Wheelbase	y	mm	1,400	1,400	1,400					
	Weight	2.1	Service weight		kg	2,880	3,090	3,250				
2.2		Axle loading, loaded, front/rear		kg	3,800/580	4,165/675	4,545/705					
2.3		Axle loading, unloaded, front/rear		kg	1,340/1,540	1,290/1,800	1,260/1,990					
Tyres	3.1	Tyres: pneumatic (P), solid (E)			P	P	P					
	3.2	Tyre size, Front			6.50X10-12	6.50X10-12	6.50X10-12					
	3.3	Tyre size, Rear			5.00X8-10	5.00X8-10	5.00X8-10					
	3.5	Wheels, number Front/Rear (x leng= driven wheels)			2X/2	2X/2	2X/2					
	3.6	Tread, front	b11	mm	890	890	890					
	3.7	Tread, rear	b12	mm	910	910	910					
	Dimensions	4.1	Tilt of mast/fork carriage forward/backward	$\alpha/\beta$	°	6/8	6/8	6/8				
4.2		Height, mast lowered	h1	mm	2,185	2,185	2,185					
4.3		Free lift	h2	mm	135	135	140					
4.4		Max. fork height	h3	mm	3,300	3,300	3,300					
4.5		Height, mast extended	h4	mm	4,355	4,355	4,360					
4.7		Height of overhead guard	h6	mm	2,170	2,170	2,170					
4.8		Height of seat	h7	mm	1,005	1,005	1,005					
4.20		Length to forkface	l2	mm	2,170	2,215	2,250					
4.21		Overall width	b1/b2	mm	1,070	1,070	1,070					
4.22		Fork dimensions	s/e/l	mm	35X100X900	35X100X900	40X100X900					
4.23		Fork carriage ISO 2328, class/type A,B			II	II	II					
4.24		Fork carriage width	b3	mm	973	973	973					
4.24a		Fork spacing (min x max)		mm	240 X 905	240 X 905	240 X 905					
4.31		Ground clearance, loaded, below mast	m1	mm	120	120	120					
4.32		Ground clearance, center of wheelbase	m2	mm	150	150	150					
4.34.1		Aisle width for pallets 1,000 X 1,200 crossways	Ast	mm	3,571	3,616	3,649					
4.34.2		Aisle width for pallets 800 X 1,200 lengthways	Ast	mm	3,771	3,816	3,849					
4.35		External turning radius	Wa	mm	1,977	2,022	2,050					
4.36		Internal turning radius	b13	mm	744	744	744					
Performance data		5.1	Travel speed, loaded/unloaded		km/h	19/20	19/20	19/20				
	5.2	Lift speed, loaded/unloaded		mm/s	600/630	600/630	600/630					
	5.3	Lowering speed, loaded/unloaded		mm/s	500/450	500/450	500/450					
	5.5	Drawbar pull, loaded (@ 1.6km/h)		N	1,392	1,392	1,392					
	5.6	Max. drawbar pull, loaded (@ 1.6km/h)		N	1,400	1,400	1,400					
	5.7	Gradeability, loaded/unloaded(@ 1.6km/h)		%	33	30	28					
	5.8	Max. gradeability, loaded/unloaded		%	32	30	29					
	5.10	Service brake			foot/hydraulic	foot/hydraulic	foot/hydraulic					
	Combustion Engine	7.1	Engine Manufacturer/type			Kubota/V2403	Kubota/V2403	Kubota/V2403				
		7.2	Engine power according to DIN ISO1585		kW	34.2	34.2	34.2				
7.3		Rated speed		min-1	2,400	2,400	2,400					
7.3.1		Maximum torque		Nm	156	156	156					
7.4		Number of cylinders/displacement		-/cm <sup>3</sup>	4/2,434	4/2,434	4/2,434					
7.10		Battery Voltage/normal capacity		V/Ah	12/60	12/60	12/60					
Addition Data	10.1	Operating pressure for attachments		bar	176	199	216					
	10.2	Oil flow for attachments		l/min	60	60	60					
	10.4	Fuel tank capacity		l	47	47	47					
	10.7	Sound level at the driver's ear according to EN 12 053		dB(A)	83	83	83					

		Doosan		Doosan		Doosan	
		G15S-5		G18S-5		G20SC-7	
		diesel - Euro IIIA		diesel - Euro IIIA		diesel - Euro IIIA	
		seated		seated		seated	
		1,500		1,750		2,000	
		500		500		500	
		394		394		399	
		1,400		1,400		1,400	
		2,800		3,010		3,170	
		3,775/525		4,140/620		4,520/650	
		1,320/1,480		1,270/1,740		1,235/1,935	
		P		P		P	
		6.50X10-12		6.50X10-12		6.50X10-12	
		5.00X8-10		5.00X8-10		5.00X8-10	
		2X/2		2X/2		2X/2	
		890		890		890	
		910		910		910	
		6/8		6/8		6/8	
		2,185		2,185		2,185	
		135		135		140	
		3,300		3,300		3,300	
		4,355		4,355		4,360	
		2,170		2,170		2,170	
		1,005		1,005		1,005	
		2,170		2,215		2,250	
		1,070		1,070		1,070	
		35X100X900		35X100X900		40X100X900	
		II		II		II	
		973		973		973	
		240 X 905		240 X 905		240 X 905	
		120		120		120	
		150		150		150	
		3,571		3,616		3,649	
		3,771		3,816		3,849	
		1,977		2,022		2,050	
		744		744		744	
		18/19		18/19		18/19	
		600/650		600/650		600/650	
		500/450		500/450		500/450	
		1,440		1,430		1,420	
		1,440		1,430		1,420	
		36.1		31.0		28.5	
		35.5		31.0		28.5	
		foot/hydraulic		foot/hydraulic		foot/hydraulic	
		HMC/G4241		HMC/G4241		HMC/G4241	
		36.4		36.4		36.4	
		2,450		2,450		2,450	
		148.5		148.5		148.5	
		4/2,359		4/2,359		4/2,359	
		12/45		12/45		12/45	
		176		199		216	
		60		60		60	
		47		47		47	
		81		81		81	



Note: Specification values quoted in this specification sheet have been rounded. Performance may vary depending on operating conditions. Products and specifications are subject to improvement and change without prior notice.