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## GX Plus Forklifts

### Pneumatic 2.0 to 3.0 ton Series

D20G/D25G/D30G PLUS

G20G/G25G/G30G PLUS

Euro Stage IIIA for Europe



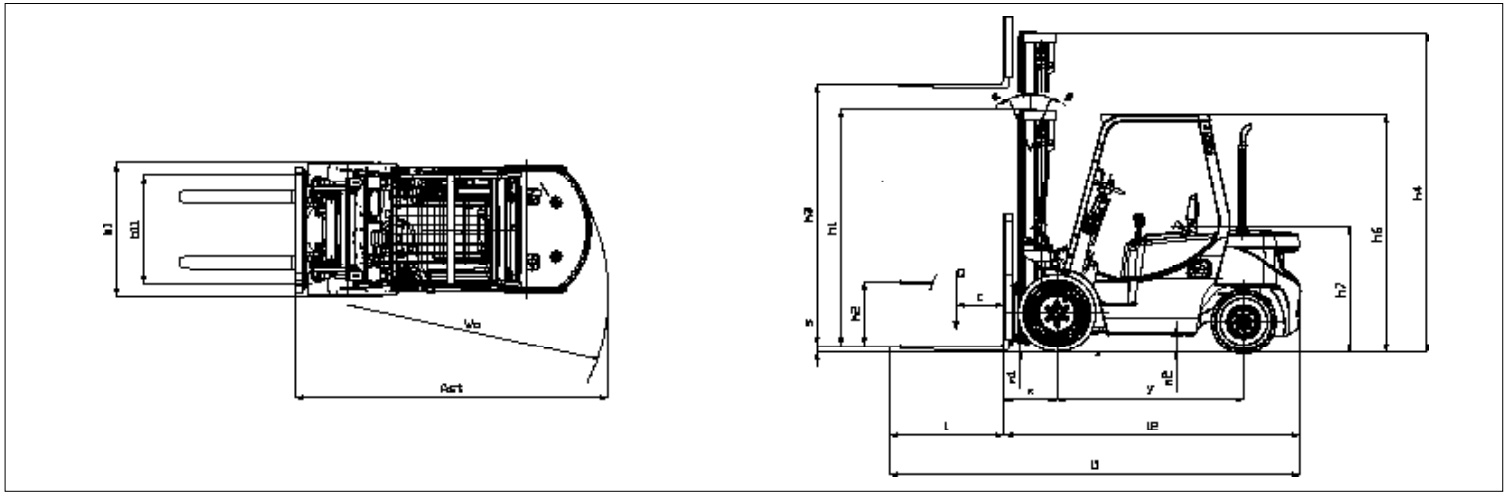
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# Technical Data according to VDI 2198

Characteristics	1.1	Manufacturer		Doosan	Doosan	Doosan	
	1.2	Model designation		D20G PLUS	D25G PLUS	D30G PLUS	
	1.3	Drive: Diesel, Gasoline, LP		Diesel	Diesel	Diesel	
	1.4	Operator type: Hand, Pedestrian, Standing, Seated, Order-picker		Seated	Seated	Seated	
	1.5	Load Capacity	Q	kg	2,000	2,500	3,000
	1.6	Load Center	c	mm	500	500	500
	1.8	Load Distance: Center of Driveaxle to fork	x	mm	467	467	482
	1.9	Wheelbase	y	mm	1,650	1,650	1,700
	Weight	2.1	Service weight		3,570	3,890	4,330
2.2		Axle Loading, Laden Front/Rear		4,900/670	5,610/780	6,465/865	
2.3		Axle Loading, Unladen Front/Rear		1,690/1,880	1,610/2,280	1,730/2,600	
Tyres	3.1	Tyres: pneumatic (P), superelastic (SE), cushion (C)		P	P	P	
	3.2	Tyre size, Front		7.00x12-12PR	7.00x12-12PR	28x9x15-14PR	
	3.3	Tyre size, Rear		6.00x9-10PR	6.00x9-10PR	6.50x10-10PR	
	3.5	Wheels, number Front/Rear (x = driven wheels)		X2/2	X2/2	X2/2	
	3.6	Tread, Front	b11	mm	970	970	1,000
	3.7	Tread, Rear	b12	mm	980	980	980
	Dimensions	4.1	Tilt of Mast/Fork carriage Forward/Backward		α/β	°	6/12
4.2		Height, Mast lowered		h1	mm	2,038	
4.3		Free Lift		h2	mm	150	
4.4		Lift		h3	mm	3,000	
4.5		Height, Mast Extended		h4	mm	4,251	
4.7		Height of Overhead Guard(Cabin)		h6	mm	2,143	
4.8		Height of Seat		h7	mm	1,168	
4.19		Overall Length		l1	mm	3,570	
4.20		Length to Forkface		l2	mm	2,520	
4.21		Overall Width		b1/b2	mm	1,165	
4.22		Fork Dimensions		s/e/l	mm	45X100X1,050	
4.23		Fork carriage ISO 2328, class/type A,B				II	
4.24		Fork carriage width		b3	mm	1,000	
4.31		Ground Clearance, laden, below mast		m1	mm	100	
4.32		Ground Clearance, center of wheelbase		m2	mm	113	
4.34.1		Aisle with for pallets 1,000 x 1,200 crossways		Ast	mm	3,915	
4.34.2		Aisle with for pallets 800 x 1,200 lengthways		Ast	mm	4,185	
4.35		Turning Radius		Wa	mm	2,250	
4.36		Internal Turning Radius		b13	mm	710	
Performance data		5.1	Travel Speed, Laden/Unladen			km/h	18/19
	5.2	Lift Speed, Laden/Unladen			mm/s	510/560	
	5.3	Lowering Speed, Laden/Unladen			mm/s	420/550	
	5.5	Drawbar pull, Laden/Unladen(@ 1.6km/h)			N	14,610/13,780	
	5.6	Max. Drawbar pull, Laden/Unladen			N	17,500/16,580	
	5.7	Gradeability, Laden/Unladen(@ 1.6km/h)			%	25.3/42.7	
	5.8	Max. Gradeability, Laden/Unladen			%	33.4/53.3	
	5.10	Service Brake				Hydraulic	
	Combustion Engine	7.1	Engine Manufacturer/type		YANMAR/4TNE94L	YANMAR/4TNE94L	YANMAR/4TNE94L
		7.2	Engine power according to DIN ISO1585			kW	34.2
7.3		Rated Speed			min-1	2,200	
7.3.1		Torque at 1/min			N•m	162 @ 1,500	
7.4		Number of Cylinders/Displacement			-/cm3	4/4/3,053	
7.10		Battery Voltage/normal capacity			V/Ah	12/90	
Addition Data	10.1	Operating pressure for attachments			bar	160	
	10.2	Oil volume for attachments			l/min	65	
	10.4	Fuel Tank Capacity			l	50	

Doosan		Doosan		Doosan	
G20G PLUS		G25G PLUS		G30G PLUS	
LP	Gas, LP	LP	Gas, LP	LP	Gas, LP
Seated		Seated		Seated	
2,000		2,500		3,000	
500		500		500	
467		467		482	
1,650		1,650		1,700	
3,480		3,830		4,450	
4,660/820		5,400/930		6,550/900	
1,360/2,120		1,630/2,200		1,775/2,675	
P		P		P	
7.00x12-12PR		7.00x12-12PR		28x9x15-14PR	
6.00x9-10PR		6.00x9-10PR		6.50x10-10PR	
X2/2		X2/2		X2/2	
970		970		1,000	
980		980		980	
6/12		6/12		6/12	
2,038		2,038		2,053	
150		150		150	
3,000		3,000		3,000	
4,251		4,251		4,251	
2,143		2,143		2,160	
1,168		1,168		1,185	
3,570		3,635		3,737	
2,520		2,585		2,687	
1,165		1,165		1,228	
45X100X1,050		45X100X1,050		45X122X1,050	
II		II		III	
1,000		1,000		1,042	
100		100		118	
113		113		132	
3,915		3,965		4,110	
4,185		4,235		4,325	
2,250		2,300		2,430	
710		710		735	
18/19		18/19		19/20	
490/520		490/520		490/520	
420/550		420/550		420/550	
17,110/16,570	17,260/16,670	17,010/16,480	17,160/16,570	15,840/15,690	15,980/15,740
22,020/20,840	22,510/21,430	21,820/20,740	22,410/21,320	20,250/19,660	20,790/20,200
30/54		28/48	29/48	22/38	22/39
44/74	41/77	37/65	38/67	29/55	29.7/52
Hydraulic		Hydraulic		Hydraulic	
MITSU/G424P(E)		MITSU/G424P(E)		MITSU/G424P(E)	
48.9	51.5	48.9	51.5	48.9	51.5
2,600		2,600		2,600	
183.2 @ 2,000	183.9 @ 2,200	183.2 @ 2,000	183.9 @ 2,200	183.2 @ 2,000	183.9 @ 2,200
4/4/2,351		4/4/2,351		4/4/2,351	
12/65		12/65		12/65	
160		160		160	
65		65		65	
50		50		50	

Product and specifications are subject to improvement and change without notice. Performance data and dimensions are nominal and subject to tolerances.



## MAST SPECIFICATION and RATED CAPACITIES

### D20G PLUS, G20G PLUS

Mast type	Maximum Fork Height		Maximum Lowered Height		Fully Extended Height		Free Lift		Rated Load Capacities											
									With Load Backrest		With Load Backrest		D20G PLUS, G20G PLUS							
													Tilt Angle				Load Capacities			
													Single Pneu.		Double Pneu		Single Pneu.		Double Pneu	
FWD	BWD	FWD	BWD	LC 500mm	LC 24in	LC 500mm	LC 24in													
mm		in		mm		in		deg	deg	deg	deg	kg	lb	kg	lb					
STD	3,000	118	2,030	80	4,247	167	150	6	6	12	6	12	2,000	4,000	2,000	4,000				
	3,300	130	2,180	86	4,530	178	150	6	6	10	6	10	2,000	4,000	2,000	4,000				
	3,500	138	2,280	90	4,730	186	150	6	6	10	6	10	2,000	4,000	2,000	4,000				
	4,000	157	2,580	102	5,330	210	150	6	6	10	6	10	2,000	4,000	2,000	4,000				
	4,500	177	2,830	111	5,830	230	150	6	6	6	6	10	2,000	4,000	2,000	4,000				
	5,000	197	3,080	121	6,330	249	150	6	6	6	6	10	1,625	3,550	1,975	4,400				
FF	3,210	126	2,130	84	4,460	176	925	36	6	10	6	10	2,000	4,000	2,000	4,000				
FFT	4,270	168	1,990	78	5,540	218	785	31	6	6	6	6	1,950	3,950	1,950	3,950				
	4,710	185	2,130	84	5,960	235	925	36	6	6	6	6	1,875	3,800	1,875	3,800				
	5,540	218	2,480	98	6,785	267	1,275	50	6	6	6	6	1,150	2,500	1,750	3,550				
	5,990	236	2,630	104	7,235	285	1,425	56	6	6	6	6	850	1,850	1,675	3,400				

### D25G PLUS, G25G PLUS

Mast type	Maximum Fork Height		Maximum Lowered Height		Fully Extended Height		Free Lift		Rated Load Capacities											
									With Load Backrest		With Load Backrest		D25G PLUS, G25G PLUS							
													Tilt Angle				Load Capacities			
													Single Pneu.		Double Pneu		Single Pneu.		Double Pneu	
FWD	BWD	FWD	BWD	LC 500mm	LC 24in	LC 500mm	LC 24in													
mm		in		mm		in		deg	deg	deg	deg	kg	lb	kg	lb					
STD	3,000	118	2,030	80	4,247	167	150	6	6	12	6	12	2,500	5,000	2,500	5,000				
	3,300	130	2,180	86	4,530	178	150	6	6	10	6	10	2,500	5,000	2,500	5,000				
	3,500	138	2,280	90	4,730	186	150	6	6	10	6	10	2,500	5,000	2,500	5,000				
	4,000	157	2,580	102	5,330	210	150	6	6	6	6	10	2,500	5,000	2,500	5,000				
	4,500	177	2,830	111	5,830	230	150	6	6	6	6	10	2,100	4,550	2,500	5,000				
	5,000	197	3,080	121	6,330	249	150	6	6	6	6	10	1,525	3,350	2,475	5,000				
FF	3,210	126	2,130	84	4,460	176	925	36	6	10	6	10	2,500	5,000	2,500	5,000				
FFT	4,270	168	1,990	78	5,540	218	785	31	6	6	6	6	2,375	5,000	2,450	5,000				
	4,710	185	2,130	84	5,960	235	925	36	6	6	6	6	1,800	3,950	2,375	4,800				
	5,540	218	2,480	98	6,785	267	1,275	50	6	4	6	6	1,225	2,700	2,200	4,500				
	5,990	236	2,630	104	7,235	285	1,425	56	6	4	6	6	900	2,000	2,125	4,350				

### D30G PLUS, G30G PLUS

Mast type	Maximum Fork Height		Maximum Lowered Height		Fully Extended Height		Free Lift		Rated Load Capacities											
									With Load Backrest		With Load Backrest		D30G PLUS, G30G PLUS							
													Tilt Angle				Load Capacities			
													Single Pneu.		Double Pneu		Single Pneu.		Double Pneu	
FWD	BWD	FWD	BWD	LC 500mm	LC 24in	LC 500mm	LC 24in													
mm		in		mm		in		deg	deg	deg	deg	kg	lb	kg	lb					
STD	3,000	118	2,045	81	4,247	167	150	6	6	12	6	12	3,000	6,000	3,000	6,000				
	3,300	130	2,195	86	4,530	178	150	6	6	10	6	10	3,000	6,000	3,000	6,000				
	3,500	138	2,295	90	4,730	186	150	6	6	10	6	10	3,000	6,000	3,000	6,000				
	4,000	157	2,595	102	5,330	210	150	6	6	6	6	10	3,000	6,000	3,000	6,000				
	4,500	177	2,845	112	5,830	230	150	6	6	4	6	10	2,825	6,000	3,000	6,000				
	5,000	197	3,095	122	6,330	249	150	6	6	4	6	6	2,025	4,500	2,875	5,850				
FF	3,210	126	2,145	84	4,460	176	940	37	6	10	6	10	3,000	6,000	3,000	6,000				
FFT	4,270	168	2,005	79	5,540	218	800	31	6	6	6	6	2,900	5,850	2,875	5,850				
	4,710	185	2,145	84	5,960	235	940	37	6	4	6	6	2,550	5,650	2,800	5,650				
	5,540	218	2,495	98	6,785	267	1,290	51	6	4	6	6	1,475	3,300	2,600	5,400				
	5,990	236	2,645	104	7,235	285	1,440	57	6	4	6	4	1,075	2,450	2,525	5,150				