

# DOOSAN FORKLIFTS

Pneumatic LP/DF  
4,000 lb. to 7,000 lb. Capacity

**DOOSAN**

G20E-7 | G25E-7 | G30E-7 | G33E-7, G35EC-7

7-SERIES



# Technical Specifications

		Technical Data								
CHARACTERISTICS	1.1	Manufacturer			Doosan	Doosan	Doosan	Doosan	Doosan	
	1.2	Model Designation			G20E-7	G25E-7	G30E-7	G33E-7	G35EC-7	
	1.3	Drive: LP/DF			LP/DF	LP/DF	LP/DF	LP	LP	
	1.4	Operator Type: Seated			Seated	Seated	Seated	Seated	Seated	
	1.5	Load Capacity	Q	lb(kg)	4,000 (2,000)	5,000 (2,500)	6,000 (3,000)	6,500 (3,250)	7,000 (3,500)	
	1.6	Load Center	c	in(mm)	24 (500)	24 (500)	24 (500)	24 (500)	24 (500)	
	1.8	Load Distance: Center of Driveaxle to Fork	x	in(mm)	18.9 (480)	18.9 (480)	19.1 (485)	19.1 (485)	19.5 (495)	
	1.9	Wheelbase	y	in(mm)	64.0 (1,625)	64.0 (1,625)	66.9 (1,700)	66.9 (1,700)	66.9 (1,700)	
	WEIGHT	2.1	Service Weight		lb(kg)	7,904 (3,585)	8,741 (3,965)	9,678 (4,390)	10,064 (4,565)	10,516 (4,770)
2.2		Axle Loading, Laden, Front/Rear		lb(kg)	10,858/1,455 (4,925/660)	12,445/1,808 (5,645/820)	14,297/1,995 (6,485/905)	14,198/2,480 (6,440/1,125)	15,961/2,271 (7,240/1,030)	
2.3		Axle Loading, Unladen, Front/Rear		lb(kg)	3,792/4,112 (1,720/1,865)	3,616/5,126 (1,640/2,325)	3,847/5,831 (1,745/2,645)	3,748/6,316 (1,700/2,865)	3,726/6,790 (1,690/3,080)	
TIRES	3.1	Tires: Pneumatic (P)			P	P	P	P	P	
	3.2	Tire Size, Front			7.00x15-12	7.00x15-12	28x9x15-12	28x9x15-12	250x15-18	
	3.3	Tire Size, Rear			6.50x10-10	6.50x10-10	6.50x10-10	6.50x10-12	6.50x10-12	
	3.5	Wheels, # Front/Rear (x = driven wheels)			2x/2	2x/2	2x/2	2x/2	2x/2	
	3.6	Tread, Front	b11	in (mm)	38.4 (975)	38.4 (975)	38.7 (982)	38.7 (982)	40.4 (1,026)	
	3.7	Tread, Rear	b12	in (mm)	39.37 (1,000)	39.37 (1,000)	39.37 (1,000)	39.37 (1,000)	39.37 (1,000)	
DIMENSIONS	4.1	Mast/Fork Carriage Tilt, Forward/Backward	f°/b°	°	6/10	6/10	6/10	6/10	6/10	
	4.2	Height, Mast Lowered	h1	in (mm)	85.6 (2,175)	85.6 (2,175)	85.2 (2,165)	85.2 (2,165)	85.2 (2,165)	
	4.3	Free Lift	h2	in (mm)	5.98 (152)	5.98 (152)	5.98 (152)	5.98 (152)	5.98 (152)	
	4.4	Lift	h3	in (mm)	127 (3,230)	127 (3,230)	127 (3,230)	127 (3,230)	118 (3,000)	
	4.5	Height, Mast Extended	h4	in (mm)	177 (4,490)	177 (4,490)	177 (4,490)	177 (4,490)	168 (4,260)	
	4.7	Height of Overhead Guard (Cabin)	h6	in (mm)	85.9 (2,183)	85.9 (2,183)	85.9 (2,183)	85.9 (2,183)	85.9 (2,183)	
	4.8	Height of Seat	h7	in (mm)	40.4 (1,026)	40.4 (1,026)	40.4 (1,026)	40.4 (1,026)	40.4 (1,026)	
	4.19	Overall Length	l1	in (mm)	140 (3,565)	143 (3,630)	147 (3,744)	149 (3,774)	150 (3,809)	
	4.2	Length to Fork Face	l2	in (mm)	99.6 (2,530)	102 (2,595)	106 (2,700)	107 (2,730)	109 (2,765)	
	4.21	Overall Width	b1/b2	in (mm)	45.7 (1,160)	45.7 (1,160)	47.1 (1,197)	47.1 (1,197)	49.4 (1,255)	
	4.22	Fork Dimensions	s/e/l	in (mm)	(40x100x1,050)	(40x100x1,050)	(45x125x1,050)	(45x125x1,050)	(45x125x1,050)	
	4.23	Fork carriage ISO 2328, Class/Type A,B			II/A	II/A	III/A	III/A	III/A	
	4.24	Fork Carriage Width	b3	in (mm)	43.4 (1,103)	43.4 (1,103)	43.9 (1,115)	43.9 (1,115)	43.9 (1,115)	
	4.31	Ground Clearance, Laden, Below Mast	m1	in (mm)	4.53 (115)	4.53 (115)	4.13 (105)	4.13 (105)	4.13 (105)	
	4.32	Ground Clearance, Center of Wheelbase	m2	in (mm)	5.63 (143)	5.63 (143)	5.63 (143)	5.63 (143)	5.63 (143)	
	4.34.1	Aisle Width for Pallets L=48" x W=40"	Ast	in (mm)	154 (3,905)	155.5 (3,950)	159.5 (4,050)	160.5 (4,080)	162 (4,115)	
	4.35	Turning Radius	Wa	in (mm)	87.4 (2,220)	89.2 (2,265)	93.1 (2,365)	94.3 (2,395)	95.3 (2,420)	
	4.36	Internal Turning Radius	b13	mph (km/h)	30.5 (775)	30.5 (775)	30.6 (761)	30.6 (761)	30.6 (761)	
	PERFORMANCE	5.1	Travel Speed, Laden/Unladen		fpm (m/s)	12/12.5 (19/20)	12/12.5 (19/20)	11/12 (18/19)	11/12 (18/19)	11/12 (18/19)
5.2		Lift Speed, Laden/Unladen		fpm (m/s)	108/112 (0.55/0.57)	105/112 (0.54/0.57)	102/112 (0.52/0.57)	105/116 (0.54/0.59)	104/116 (0.53/0.59)	
5.3		Lowering Speed, Laden/Unladen		fpm (m/s)	3,900/3,840 (17,346/17,080)	3,988/3,883 (17,738/17,274)	4,032/3,969 (17,934/17,655)	4,010/3,973 (17,836/17,674)	3,878/3,827 (17,248/17,024)	
5.5		Drawbar Pull, Laden/Unladen (@1 mph)		lb (N)	4,428/4,328 (19,698/19,251)	4,538/4,375 (20,188/19,460)	4,649/4,507 (20,678/20,046)	4,627/4,515 (20,580/20,083)	4,450/4,315 (19,796/19,194)	
5.6		Max. Drawbar Pull, Laden/Unladen		lb (N)	33.6/56.4	29.3/50.3	26.0/46.5	24.2/44.3	22.0/39.6	
5.7		Gradeability, Laden/Unladen (@1 mph)		%	38.2/63.5	33.4/56.7	30.0/52.8	27.9/50.4	25.1/44.6	
5.8		Max. Gradeability, Laden/Unladen		%	38.2/63.5	33.4/56.7	30.0/52.8	27.9/50.4	25.1/44.6	
5.10		Service Brake			Foot/Hydraulic	Foot/Hydraulic	Foot/Hydraulic	Foot/Hydraulic	Foot/Hydraulic	
COMBUSTION		7.1	Engine Manufacturer		Type	HMC2.4	HMC2.4	HMC2.4	HMC2.4	HMC2.4
		7.2	Engine Power as per DIN ISO1585		hp (kW)	59.0 (47.8)	59.0 (47.8)	59.0 (47.8)	59.0 (47.8)	59.0 (47.8)
	7.3	Rated Speed		min-1	2,300	2,300	2,300	2,300	2,300	
	7.3.1	Torque @ 2,000 RPM - 1/min		ft·lbs (N·m)	132 (179)	132 (179)	132 (179)	132 (179)	132 (179)	
	7.4	Number of Cylinders/Displacement		-/cc (-/cm <sup>3</sup> )	4/2,359	4/2,359	4/2,359	4/2,359	4/2,359	
	7.10	Battery Voltage/Normal Capacity		V/Ah	12/50	12/50	12/50	12/50	12/50	
ADDITIONAL DATA	10.1	Operating Pressure for Attachments		psi (bar)	2,260 (156)	2,260 (156)	2,260 (156)	2,260 (156)	2,260 (156)	
	10.2	Oil Volume for Attachments		gpm (l/min)	15.9 (60)	15.9 (60)	15.9 (60)	15.9 (60)	15.9 (60)	
	10.4	Fuel Tank Capacity		gal (l)	13.8 (51)	13.8 (51)	13.8 (51)	13.8 (51)	13.8 (51)	
	10.7	Sound Level at Driver's Ear as per EN 12 053		dB (A)	84	84	84	84	84	

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



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