

3,000/3,500/4,000 lb Capacities

Cushion Forklift

MAIN VEHICLE SPECIFICATIONS

CHARACTERISTICS	1	Manufacture		DOOSAN	DOOSAN	DOOSAN	
	2	Model		GC15S-5	GC18S-5	GC20SC-5	
	3	Load Capacity	at rated load center	lb(kg)	3,000(1,500)	3,500(1,750)	4,000(2,000)
	4	Load Center		in(mm)	24(500)	24(500)	24(500)
	5	Power type	Elec, Diesel, LPG, Gasoline		LP	LP	LP
	6	Operator type			Driver-seated	Driver-seated	Driver-seated
	7	Tire type	P:Pnu, E:Solid Soft, C: Cushion		C	C	C
	8	Wheels (x=Driven)	Front/Rear		X 2 / 2	X 2 / 2	X 2 / 2
DIMENSIONS	9	Max. Fork Height	with STD 2-stage mast	in(mm)	118(3,000)	118(3,000)	118(3,000)
	10	Free Lift		in(mm)	5.1(130)	5.1(130)	5.3(135)
	12	Fork Carriage	ISO Class		II	II	II
	13	Forks	Length x Width x Thickness	in(mm)	41 x 4 x 1.4 (1,050 x 100 x 35)	41 x 4 x 1.4 (1,050 x 100 x 35)	41 x 4 x 1.6 (1,050 x 100 x 40)
			Fork Spacing(Min x Max)	in(mm)	9.5 x 35.6 (240x 905)	9.5 x 35.6 (240x 905)	9.5 x 35.6 (240x 905)
	14	Tilt of Mast	Forward/Backward	deg	6 / 8	6 / 8	6 / 8
	15-21	Overall Dimensions	Length to Fork Face	in(mm)	80.8(2,051)	82.9(2,106)	84.1(2,138)
			Overall Width(in(mm))	in(mm)	37(940)	39(991)	39(991)
			Mast Lowered Height	in(mm)	78(1,980)	78(1,980)	78(1,980)
			Mast Extended Height	in(mm)	159.3(4,045)	159.3(4,045)	159.4(4,050)
			Overhead Guard Height	in(mm)	81(2,060)	81(2,060)	81(2,060)
			Seat Height(in(mm))	in(mm)	39.3(1,000)	39.3(1,000)	39.3(1,000)
	21	Turning Radius	Minimum outside	in(mm)	71.5(1,816)	74(1,881)	76(1,932)
22	Load Moment Center		in(mm)	15.5(394)	15.5(394)	15.7(399)	
23	Aisle 90 degree stacking(add load length & clearance)		in(mm)	86(2,210)	88(2,275)	89(2,331)	
PERFORMANCE	24	Travel Speed	Loaded/Unloaded	mph(km/h)	11.3 / 11.6 (18.0 / 18.5)	11.3 / 11.6 (18.0 / 18.5)	11.3 / 11.6 (18.0 / 18.5)
	25	Lifting Speed	Loaded/Unloaded	fpm(mm/s)	118.1 / 128 (600 / 650)	118.1 / 128 (600 / 650)	118.1 / 128 (600 / 650)
	26	Lowering Speed	Loaded/Unloaded	fpm(mm/s)	98.4 / 88.6 (500 / 450)	98.4 / 88.6 (500 / 450)	98.4 / 88.6 (500 / 450)
	28	Max. drawbar pull	Loaded at 1.0 mph (1.6km/h)	lb(kg)	1,400(635.0)	1,400(635.0)	1,400(635.0)
	30	Max. gradeability	Loaded at 1.0 mph (1.7km/h)	%	37	32	30
WEIGHT	32	Total Service Weight, Unloaded		lb(kg)	5,940(2,695)	6,510(2,955)	6,800(3,085)
	33	Axle Load	Loaded, Front/Rear	lb(kg)	7,840 / 1,100 (3,685 / 510)	8,345 / 1,450 (4,035 / 670)	9,400 / 1,400 (4,435 / 650)
			Unloaded, Front/Rear	lb(kg)	2,370 / 3,570 (1,075 / 1,620)	2,190 / 4,320 (995 / 1,960)	2,095 / 4,695 (955 / 2,130)
CHASSIS	35		Number of wheels(F/R)		2 / 2	2 / 2	2 / 2
	36	Tires	Size, Front		18 x 6 x 12.12	18 x 7 x 12.12	18 x 7 x 12.12
			Size, Rear		14 x 5 x 10	14 x 5 x 10	14 x 5 x 10
	38	Wheel Base	Distance	in(mm)	48.2 (1,225)	48.2 (1,225)	48.2 (1,225)
	39	Tread Width	Front/Rear	in(mm)	31 / 31 (787 / 787)	32 / 31 (813 / 787)	32 / 31 (813 / 787)
	40	Ground Clearance	Loaded at the lowest point	in(mm)	3 (75)	3 (75)	3 (75)
			Loaded at center of wheelbase	in(mm)	4.3 (110)	4.3 (110)	4.3 (110)
	42	Brakes	Service		Foot / Hyd	Foot / Hyd	Foot / Hyd
			Parking		Hand / Mech	Hand / Mech	Hand / Mech
45	Battery	Voltage/Ampere	V/AH	12 / 45	12 / 45	12 / 45	
POWER TRAIN	49	Engine	Manufacturer/Model		G420FE	G420FE	G420FE
			Rated Power(DIN)	HP/rpm	46 / 2,300	46 / 2,300	46 / 2,300
				kW/rpm	34 / 2,300	34 / 2,300	34 / 2,300
	51	Maximum Torque	lbf/rpm	112 / 1,600	112 / 1,600	112 / 1,600	
			kg-m/rpm	15 / 1,600	15 / 1,600	15 / 1,600	
	52		Cylinders/Displacements	cc	4 / 1,975	4 / 1,975	4 / 1,975
55	Transmission	Type		powershift	powershift	powershift	
		Number of Speed (Fwd/Rev)		1 / 1	1 / 1	1 / 1	
57	Hydraulic Pressure	System	psi(bar)	2,552(176)	2,885.5(199)	3,132(216)	
		Attachment	psi(bar)	2,552(176)	2,885.5(199)	3,132(216)	

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.