

# 7,000/8,000/9,000/10,000/11,000/12,000 lb Capacities

## Engine Powered Forklift Trucks Cushion Tire

### MAIN VEHICLE SPECIFICATIONS

			DOOSAN	DOOSAN	DOOSAN	DOOSAN	DOOSAN				
CHARACTERISTICS	1	Manufacture		DOOSAN	DOOSAN	DOOSAN	DOOSAN	DOOSAN			
	2	Model		GC35S-5	GC40S-5	GC45S-5	GC50C-5	GC55C-5			
	3	Load Capacity	at rated load center	lb(kg)	7,000(3,500)	8,000(4,000)	9,000(4,500)	10,000(5,000)	12,000(5,500)		
	4	Load Center		in(mm)	24(500)	24(500)	24(600)	24(600)	24(600)		
	5	Power type			LPG	LPG	LPG	LPG	LPG		
	6	Operator type			Driver-seated	Driver-seated	Driver-seated	Driver-seated	Driver-seated		
	7	Tire type			C	C	C	C	C		
	8	Wheels (x=Driven)			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	in(mm)	113.4(2,880)	113.4(2,880)	113.4(2,880)	103.5(2,630)	103.5(2,630)		
	10	Free Lift		in(mm)	6.3(160)	6.3(160)	6.3(160)	6.3(160)	6.3(160)		
	12	Fork Carriage			III	III	IV	IV	IV		
	13	Forks	Length x Width x Thickness	in(mm)	48.0x5.9x2.0 (1,220x150x50)	48.0x5.9x2.0 (1,220x150x50)	48.0x5.9x2.0 (1,220x150x50)	48.0x5.9x2.0 (1,220x150x50)	48.0x5.9x2.0 (1,220x150x50)		
			Fork Spacing(Min x Max)	in(mm)	12.2(310)/42.6(1,082)	12.2(310)/42.6(1,082)	13.4(340)/50.8(1,290)	13.4(340)/50.8(1,290)	13.4(340)/50.8(1,290)		
	14	Tilt of Mast			deg	5 / 6	5 / 6	5 / 6	5 / 6	5 / 6	
	15		Length to Fork Face	in(mm)	105.6(2,682)	105.7(2,686)	111.3(2,828)	113.3(2,878)	118.5(3,010)		
	16	Overall Dimensions	Overall Width	in(mm)	50.0(1,270)	50.0(1,270)	55.9(1,420)	55.9(1,420)	55.9(1,420)		
			Mast Lowered Height	in(mm)	84.1(2,135)	84.1(2,135)	86.0(2,185)	86.0(2,185)	86.0(2,185)		
			Mast Extended Height	in(mm)	162.0(4,115)	162.0(4,115)	169.9(4,315)	160.0(4,065)	160.0(4,065)		
			Overhead Guard Height	in(mm)	84.8(2,155)	84.8(2,155)	84.8(2,155)	84.8(2,155)	84.8(2,155)		
			Seat Height	in(mm)	44.3(1,125)	44.3(1,125)	44.3(1,125)	44.3(1,125)	44.3(1,125)		
	19		Turning Radius		Minimum outside	in(mm)	92.9(2,360)	94.5(2,400)	99.6(2,530)	101.6(2,580)	103.5(2,630)
	22		Load Moment Center		in(mm)	19.9(505)	19.9(505)	19.9(505)	20.3(515)	20.3(515)	
	23		Aisle 90 degree stacking(add load length & clearance)		in(mm)	112.8(2,865)	114.4(2,905)	119.5(3,035)	121.9(3,095)	123.8(3,145)	
PERFORMANCE	24	Travel Speed	Loaded / Unloaded	mph(km/h)	11.2 / 12.7 (18 / 19)	11.2 / 11.8 (18 / 19)	13.0 / 13.7 (21 / 22)	13.0 / 13.7 (21 / 22)	13.0 / 13.7 (21 / 22)		
	25	Lifting Speed	Loaded / Unloaded	fpm(mm/s)	98.4 / 108.3 (500 / 550)	94.5 / 108.3 (480 / 550)	94.5 / 98.4 (480 / 500)	88.6 / 98.4 (450 / 500)	88.6 / 98.4 (450 / 500)		
	26	Lowering Speed	Loaded / Unloaded	fpm(mm/s)	104.3 / 88.6 (530 / 450)	98.4 / 88.6 (500 / 450)	98.4 / 86.6 (480 / 440)	94.5 / 86.6 (480 / 440)	94.5 / 86.6 (480 / 440)		
	28	Max. drawbar pull	Loaded at 1.0 mph (1.6km / h)	lb(kg)	5,340(2,422)	5,212(2,346)	5,578(2,530)	5,816(2,638)	5,944(2,696)		
	30	Max. gradeability	Loaded at 1.0 mph (1.7km / h)	%	27	24	23	22	21		
WEIGHT	32	Total Service Weight, Unloaded		lb(kg)	12,059(5,470)	12,897(5,850)	14,330(6,500)	15,410(6,990)	16,182(7,340)		
	33	Axle Load	Loaded, Front / Rear	lb(kg)	17,571 / 2,205 (7,970 / 1,000)	19,158 / 2,557 (8,690 / 1,160)	21,550 / 2,701 (9,775 / 1,225)	23,435 / 2,998 (10,630 / 1,360)	24,998 / 3,329 (11,330 / 1,510)		
			Unloaded, Front / Rear	lb(kg)	4,916 / 7,143 (2,230 / 3,240)	4,696 / 8,201 (2,130 / 3,720)	5,501 / 8,830 (2,495 / 4,005)	5,556 / 9,844 (2,520 / 4,470)	5,291 / 10,891 (2,400 / 4,940)		
	34										
CHASSIS	35		Number of wheels(F / R)		2 / 2	2 / 2	2 / 2	2 / 2	2 / 2		
	36	Tires	Size, Front		22x9x16	22x9x16	22X12X16	22X12X16	22X12X16		
			Size, Rear		18x6x12-1 / 8	18x7x12-1 / 8	18X8X12.1	18X8X12.1	18X8X12.1		
	38	Wheel Base		Distance	in(mm)	64.2(1,630)	64.2(1,630)	70.5(1,790)	70.5(1,790)	70.5(1,790)	
	39	Tread Width		Front / Rear	in(mm)	41.0 / 41.1 (1,042 / 1,044)	41.0 / 41.1 (1,042 / 1,044)	43.9 / 41.1 (1,116 / 1,044)	43.9 / 41.1 (1,116 / 1,044)	43.9 / 41.1 (1,116 / 1,044)	
	40	Ground Clearance	Loaded at the lowest point	in(mm)	5.1(130)	5.1(130)	5.1(130)	5.1(130)	5.1(130)		
			Loaded at center of wheelbase	in(mm)	5.1(130)	5.1(130)	5.1(130)	5.1(130)	5.1(130)		
	43	Brakes	Service		foot / hyd	foot / hyd	foot / hyd	foot / hyd	foot / hyd		
Parking				hand / mech	hand / mech	hand / mech	hand / mech	hand / mech			
45	Battery		Voltage / Ampere	V/AH	12 / 75	12 / 75	12 / 75	12 / 75	12 / 75		
POWER TRAIN	49		Manufacturer / Model		G643E	G643E	G643E	G643E	G643E		
	50	Engine	Rated Power(DIN)	HP/rpm	93 / 2,450	93 / 2,450	93 / 2,450	93 / 2,450	93 / 2,450		
				kW/rpm	69 / 2,450	69 / 2,450	69 / 2,450	69 / 2,450	69 / 2,450		
				lb_ft/rpm	222 / 1,400	222 / 1,400	222 / 1,400	222 / 1,400	222 / 1,400		
	51	Maximum Torque		kg_m/rpm	31 / 1,400	31 / 1,400	31 / 1,400	31 / 1,400	31 / 1,400		
				CC	6 / 4,294	6 / 4,294	6 / 4,294	6 / 4,294	6 / 4,294		
	52	Cylinders / Displacements				6 / 4,294	6 / 4,294	6 / 4,294	6 / 4,294	6 / 4,294	
55	Transmission	Type			powershift	powershift	powershift	powershift	powershift		
		Number of Speed (Fwd / Rev)			2 / 2	2 / 2	2 / 2	2 / 2	2 / 2		
57	Hydraulic Pressure	System		psi(bar)	2,755(190)	3,045(210)	3,045(210)	3,045(210)	3,335(230)		
		Attachment		psi(bar)	2,030(140)	2,030(140)	2,030(140)	2,030(140)	2,030(140)		

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.