

MAST SPECIFICATIONS and RATED CAPACITIES

G35S-5, G40SC-5

Mast Type	Maximum Fork Height	Maximum Lowered Height	Fully Extended Height	Free Lift	Rated Load Capacities							
					G35S-5, G40SC-5							
					Tilt Angle				Load Capacities			
					Single Pneu.		Double Pneu.		Single Pneu.		Double Pneu.	
With Load Backrest	With Load Backrest	FWD	BWD	FWD	BWD	LC500mm	LC600mm	LC500mm	LC600mm			
mm	mm	mm	mm	mm	deg	deg	deg	deg	kg	kg	kg	kg
STD	3,000	2,225	4,265	160	8	10	8	10	4,000	3,655	4,000	3,655
	3,300	2,375	4,565	160	8	10	8	10	4,000	3,655	4,000	3,655
	3,650	2,550	4,915	160	8	10	8	10	4,000	3,655	4,000	3,655
	4,000	2,875	5,265	160	8	10	8	10	4,000	3,655	4,000	3,655
	4,250	3,000	5,515	160	8	10	8	10	4,000	3,655	4,000	3,655
	4,850	3,450	6,115	160	8	8	8	10	3,850	3,520	3,875	3,545
FF	3,000	2,205	4,250	1,005	8	10	8	10	4,000	3,660	4,000	3,660
	4,000	2,090	5,265	890	8	8	8	8	3,975	3,645	4,000	3,670
FFT	4,250	2,175	5,530	975	8	8	8	8	3,900	3,575	3,950	3,625
	4,700	2,325	5,980	1,125	8	8	8	8	3,775	3,465	3,800	3,485
	5,150	2,475	6,430	1,275	8	5	8	8	3,650	3,350	3,675	3,370
	5,600	2,625	6,880	1,425	8	3	8	8	3,525	3,235	3,550	3,255
	6,050	2,775	7,330	1,575	8	3	8	5	3,075	2,820	3,450	3,165

G40S-5, G45SC-5

Mast Type	Maximum Fork Height	Maximum Lowered Height	Fully Extended Height	Free Lift	Rated Load Capacities							
					G40S-5, G45SC-5							
					Tilt Angle				Load Capacities			
					Single Pneu.		Double Pneu.		Single Pneu.		Double Pneu.	
With Load Backrest	With Load Backrest	FWD	BWD	FWD	BWD	LC500mm	LC600mm	LC500mm	LC600mm			
mm	mm	mm	mm	mm	deg	deg	deg	deg	kg	kg	kg	kg
STD	3,000	2,230	4,270	160	8	10	8	10	4,500	4,115	4,500	4,115
	3,300	2,380	4,570	160	8	10	8	10	4,500	4,115	4,500	4,115
	3,650	2,555	4,920	160	8	10	8	10	4,500	4,115	4,500	4,115
	4,000	2,880	5,270	160	8	10	8	10	4,500	4,115	4,500	4,115
	4,250	3,005	5,520	160	8	10	8	10	4,500	4,115	4,500	4,115
	4,850	3,455	6,120	160	8	8	8	10	4,400	4,025	4,425	4,045
FF	3,000	2,210	4,255	1,010	8	10	8	10	4,500	4,115	4,500	4,115
	4,000	2,090	5,270	890	8	8	8	8	4,500	4,125	4,500	4,125
FFT	4,250	2,180	5,535	980	8	8	8	8	4,475	4,105	4,500	4,125
	4,700	2,330	5,985	1,130	8	8	8	8	4,325	3,965	4,350	3,990
	5,150	2,480	6,435	1,280	8	5	8	8	4,175	3,830	4,225	3,875
	5,600	2,630	6,885	1,430	8	3	8	5	4,050	3,715	4,075	3,740
	6,050	2,780	7,335	1,580	8	3	8	3	3,800	3,485	3,950	3,625

G45S-5, G50SC-5

Mast Type	Maximum Fork Height	Maximum Lowered Height	Fully Extended Height	Free Lift	Rated Load Capacities							
					G45S-5, G50SC-5							
					Tilt Angle				Load Capacities			
					Single Pneu.		Double Pneu.		Single Pneu.		Double Pneu.	
With Load Backrest	With Load Backrest	FWD	BWD	FWD	BWD	LC500mm	LC600mm	LC500mm	LC600mm			
mm	mm	mm	mm	mm	deg	deg	deg	deg	kg	kg	kg	kg
STD	3,000	2,230	4,420	160	8	10	8	10	5,000	4,570	5,000	4,570
	3,300	2,380	4,720	160	8	10	8	10	5,000	4,570	5,000	4,570
	3,650	2,555	5,070	160	8	10	8	10	5,000	4,570	5,000	4,570
	4,000	2,880	5,420	160	8	10	8	10	5,000	4,570	5,000	4,570
	4,250	3,005	5,770	160	8	10	8	10	5,000	4,570	5,000	4,570
	4,850	3,455	6,270	160	8	5	8	10	4,900	4,480	4,950	4,525
FF	3,000	2,210	4,400	860	8	10	8	10	5,000	4,575	5,000	4,575
	4,000	2,090	5,415	740	8	8	8	8	5,000	4,585	5,000	4,585
FFT	4,250	2,180	5,680	830	8	8	8	8	4,975	4,565	5,000	4,585
	4,700	2,330	6,130	980	8	8	8	8	4,800	4,400	4,850	4,450
	5,150	2,480	6,580	1,130	8	3	8	8	4,650	4,265	4,700	4,310
	5,600	2,630	7,030	1,280	8	3	8	5	4,500	4,125	4,550	4,175
	6,050	2,780	7,480	1,430	8	3	8	3	3,575	3,280	4,025	3,690

Note : Mast Specifications & Rated Capacities are based on standard chassis with pneumatic tire and without side shifter.

G50S-5, G55SC-5

Mast Type	Maximum Fork Height	Maximum Lowered Height*	Fully Extended Height	Free Lift	Rated Load Capacities							
					G50S-5, G55SC-5							
					Tilt Angle				Load Capacities			
					Single Pneu.		Double Pneu.		Single Pneu.		Double Pneu.	
With Load Backrest	With Load Backrest	FWD	BWD	FWD	BWD	LC500mm	LC600mm	LC500mm	LC600mm			
mm	mm	mm	mm	mm	deg	deg	deg	deg	kg	kg	kg	kg
STD	2,750	2,230	4,170	170	8	10	8	10	5,500	5,030	5,500	5,030
	3,050	2,380	4,470	170	8	10	8	10	5,500	5,030	5,500	5,030
	3,400	2,555	4,820	170	8	10	8	10	5,500	5,030	5,500	5,030
	3,750	2,880	5,170	170	8	10	8	10	5,500	5,030	5,500	5,030
	4,000	3,005	5,420	170	8	10	8	10	5,500	5,030	5,500	5,030
	4,600	3,455	6,020	170	8	8	8	10	5,500	5,030	5,500	5,030
FF	2,875	2,210	4,275	870	8	10	8	10	5,500	5,035	5,500	5,035
	3,875	2,090	5,290	750	8	8	8	8	5,500	5,050	5,500	5,050
FFT	4,125	2,180	5,555	840	8	8	8	8	5,500	5,050	5,500	5,050
	4,575	2,330	6,005	990	8	8	8	8	5,375	4,935	5,425	4,980
	5,025	2,480	6,455	1,140	8	5	8	8	5,200	4,775	5,150	4,725
	5,475	2,630	6,905	1,290	8	3	8	5	4,650	4,270	4,750	4,360
	5,925	2,780	7,355	1,440	8	3	8	5	3,625	3,330	3,525	3,235

G55C-5

Mast Type	Maximum Fork Height	Maximum Lowered Height*	Fully Extended Height	Free Lift	Rated Load Capacities							
					G55C-5							
					Tilt Angle				Load Capacities			
					Single Pneu.		Double Pneu.		Single Pneu.		Double Pneu.	
With Load Backrest	With Load Backrest	FWD	BWD	FWD	BWD	LC600mm	LC600mm					
mm	mm	mm	mm	mm	deg	deg	deg	deg	kg	kg		
STD	2,750	2,230	4,170	170	8	10	8	10	5,500	5,500		
	3,050	2,380	4,470	170	8	10	8	10	5,500	5,500		
	3,400	2,555	4,820	170	8	10	8	10	5,500	5,500		
	3,750	2,880	5,170	170	8	10	8	10	5,500	5,500		
	4,000	3,005	5,420	170	8	10	8	10	5,500	5,500		
	4,600	3,455	6,020	170	8	8	8	10	5,400	4,900		
FF	2,875	2,210	4,275	870	8	10	8	10	5,500	5,500		
	3,875	2,090	5,290	750	8	8	8	8	5,500	5,500		
FFT	4,125	2,180	5,555	840	8	8	8	8	5,500	5,500		
	4,575	2,330	6,005	990	8	8	8	8	5,500	5,500		
	5,025	2,480	6,455	1,140	8	5	8	8	5,150	4,925		
	5,475	2,630	6,905	1,290	8	3	8	5	4,500	4,575		
	5,925	2,780	7,355	1,440	8	3	8	5	3,500	3,375		

Note : Mast Specifications & Rated Capacities are based on standard chassis with pneumatic tire and without side shifter.



TECHNICAL SPECIFICATIONS

Pneumatic Forklift Trucks

G35/40/45S-5, G50/55C-5

G40/45/50/55SC-5

3,500kg to 5,500kg Capacity



Doosan Industrial Vehicle Europe nv
 Europark-Noord 36A
 9100 Sint-Niklaas
 Belgium
 Tel.: +32 3 760 09 87
 Fax: +32 3 760 09 89
 Website: www.doosan-iv.eu

AUTHORIZED DEALER

EUG45S5-160504v2EN (May 2016)

Note : Mast Specifications & Rated Capacities are based on standard chassis with pneumatic tire and without side shifter.

GENERAL SPECIFICATIONS

CHARACTERISTICS						
1	Manufacturer		Doosan	Doosan	Doosan	
2	Model		G35S-5	G45S-5	G45S-5	
3	Capacity	at rated load center	kg	3,500	4,000	4,500
4	Load center		mm	600	600	600
5	Power type	elec, diesel, LPG, gasoline		LPG	LPG	LPG
6	Operator type			driver-seated	driver-seated	driver-seated
7	Tire type	P=pneumatic		P	P	P
8	Wheels(x=driven)	number, front/rear		x2/2	x2/2	x2/2
DIMENSIONS						
9	Max. Fork Height	with STD 2-stage mast	mm	3,000	3,000	3,000
10	Free lift	with STD 2-stage mast	mm	160	160	160
11	Fork carriage	ISO class		III	III	IV
12	Forks	Length x width x thickness	mm	1,050x150x50	1,050x150x50	1,200x150x50
13		Fork spacing (min / max)	mm	310/1,182	310/1,182	340/1,290
14	Tilt of mast	Forward/backward	deg	8/10	8/10	8/10
15	Overall dimensions	Length to fork face	mm	3,100	3,150	3,265
16		Overall width	mm	1,372	1,451	1,451
17		Mast lowered height	mm	2,225	2,230	2,230
18		Mast extended height	mm	4,265	4,270	4,420
19		Overhead guard height	mm	2,225	2,230	2,230
20		Seat height	mm	1,248	1,255	1,255
21	Turning radius	outside	mm	2,770	2,820	2,865
21a		inside	mm	1,007	1,007	1,070
22	Load moment constant		mm	561	561	561
23	90° stacking aisle (add load length & clearance)		mm	3,331	3,381	3,426
PERFORMANCE						
24	Speed	Travel, loaded/unloaded	km/h	20/21	19.5/20.5	19.5/20.5
25		Lift, loaded/unloaded	mm/s	500/540	500/540	500/540
26		Lowering, loaded/unloaded	mm/s	480/450	480/450	480/450
27	Drawbar pull	at 1.6 km/h, loaded	kg	3,050	3,000	3,000
28	Gradeability	at 1.6 km/h, loaded	%	34.7	30.8	28.2
WEIGHT						
29	Total weight	unloaded	kg	5,790	6,180	6,550
30	Axle load	loaded, front/rear	kg	8,215/1,075	8,980/1,200	9,800/1,250
31		unloaded, front/rear	kg	2,685/3,105	2,660/3,520	2,810/3,740
CHASSIS						
32	Tires	Number front/rear		2/2	2/2	2/2
33		Size, front single		8.25x15-14	300x15-18	300x15-18
34		Size, rear		7.00x12-12	7.00x12-12	7.00x12-12
35	Wheel base		mm	2,000	2,000	2,100
36	Tread	Front/rear	mm	1,138/1,115	1,153/1,115	1,153/1,115
37	Ground clearance	loaded, at the lowest point	mm	160	160	160
38		loaded, at center of wheelbase	mm	205	205	205
39	Brake	Service		foot/hyd	foot/hyd	foot/hyd
40		Parking		hand/mech	hand/mech	hand/mech
DRIVE						
41	Battery	Voltage/ampere-hour	V/AH	12/75	12/75	12/75
42	Engine	Manufacturer/model		PSI 4-3L	PSI 4-3L	PSI 4-3L
43		Rated output (at rpm)	kW/rpm	70.0/2,500	70.0/2,500	70.0/2,500
44		Max. torque	Nm/rpm	296/1,800	296/1,800	296/1,800
45		Cycle/cylinders/displacement	cc	4/6/4,294	4/6/4,294	4/6/4,294
46	Transmission	type		powershift	powershift	powershift
47		No. of speeds forward/reverse		2/2	2/2	2/2
48	Operating pressure	System/attachment	bar	190/140	190/140	210/140

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.

	Doosan	Doosan
	G50C-5	G55C-5
	5,000	5,500
	600	600
	LPG	LPG
	driver-seated	driver-seated
	P	P
	x2/2	x2/2
	3,050	3,050
	170	170
	IV	IV
	1,200x150x60	1,200x150x60
	340/1,290	340/1,290
	8/10	8/10
	3,300	3,350
	1,451	1,451
	2,380	2,380
	2,225	2,230
	4,470	4,470
	2,230	2,230
	1,255	1,255
	2,930	2,990
	1,070	1,070
	571	571
	3,501	3,561
	19.5/20.5	19.5/20.5
	490/540	470/540
	490/450	490/450
	2,980	2,960
	25.5	24
	7,050	7,390
	10,680/1,370	11,370/1,520
	2,890/4,160	2,800/4,590
	2/2	2/2
	300x15-18	300x15-18
	7.00x12-14	7.00x12-14
	2,100	2,100
	1,153/1,115	1,153/1,115
	160	160
	205	205
	foot/hyd	foot/hyd
	hand/mech	hand/mech
	12/75	12/75
	PSI 4-3L	PSI 4-3L
	70.0/2,500	70.0/2,500
	296/1,800	296/1,800
	4/6/4,294	4/6/4,294
	powershift	powershift
	2/2	2/2
	210/140	230/140

	Doosan	Doosan	Doosan	Doosan
	G40SC-5	G45SC-5	G50SC-5	G55SC-5
	4,000	4,500	5,000	5,500
	500	500	500	500
	LPG	LPG	LPG	LPG
	driver-seated	driver-seated	driver-seated	driver-seated
	P	P	P	P
	x2/2	x2/2	x2/2	x2/2
	3,000	3,000	3,000	3,050
	160	160	160	170
	III	III	IV	IV
	1,050x150x50	1,050x150x50	1,200x150x50	1,200x150x60
	310 x 1,182	340x1,290	340x1,290	340x1,290
	8/10	8/10	8/10	8/10
	3,100	3,150	3,265	3,300
	1,372	1,451	1,451	1,451
	2,225	2,230	2,230	2,380
	4,265	4,270	4,420	4,470
	2,225	2,230	2,230	2,230
	1,125	1,125	1,125	1,125
	2,770	2,820	2,865	2,930
	1,007	1,007	1,070	1,070
	561	561	561	571
	3,331	3,381	3,426	3,501
	20/21	19.5/20.5	19.5/20.5	19.5/20.5
	500/540	500/540	500/540	490/540
	480/450	480/450	480/450	490/450
	3,410	3,410	3,400	3,400
	33.5	31	30	28
	5,790	6,180	6,550	7,050
	8,805/985	9,540/1,140	10,340/1,210	11,200/1,350
	2,685/3,105	2,660/3,520	2,810/3,740	2,890/4,160
	2/2	2/2	2/2	2/2
	8.25x15-14	300x15-18	300x15-18	300x15-18
	7.00x12-12	7.00x12-12	7.00x12-12	7.00x12-14
	2,000	2,000	2,100	2,100
	1,138/1,115	1,153/1,115	1,153/1,115	1,153/1,115
	160	160	160	160
	205	205	205	205
	foot/hyd	foot/hyd	foot/hyd	foot/hyd
	hand/mech	hand/mech	hand/mech	hand/mech
	12/75	12/75	12/75	12/75
	PSI 4-3L	PSI 4-3L	PSI 4-3L	PSI 4-3L
	70.0/2,500	70.0/2,500	70.0/2,500	70.0/2,500
	296/1,800	296/1,800	296/1,800	296/1,800
	4/6/4,294	4/6/4,294	4/6/4,294	4/6/4,294
	powershift	powershift	powershift	powershift
	2/2	2/2	2/2	2/2
	190/140	190/140	210/140	210/140

DIMENSIONAL DRAWING

