

# Pro-5 Series Forklifts

## Pneumatic Diesel 3.5 to 5.5 ton Series

Interim Tier-4 / Stage III B



# 3,500/4,000/4,500/5,000/5,500kg Capacities

## Engine Powered Forklift Trucks Pneumatic Tire, Diesel

### MAIN VEHICLE SPECIFICATIONS

CHARACTERISTICS	1	Manufacturer			DOOSAN	DOOSAN	DOOSAN
	2	Model			D35S-5	D40S-5	D45S-5
	3	Load 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		Diesel	Diesel	Diesel
	6	Operator type			Driver-seated	Driver-seated	Driver-seated
	7	Tire type	P:Pnu, E:Solid Soft, C: Cush		P	P	P
	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	mm	3,000	3,000	3,000
	10	Free Lift		mm	160	160	160
	11	Fork Carriage	ISO Class		III	III	IV
	12	Forks	Length x Width x Thickness	mm	1,050 x 150 x 50	1,050 x 150 x 50	1,200 x 150 x 50
			Fork Spacing(Min x Max)	mm	310 x 1,182	310 x 1,182	340 x 1,290
	13	Tilt of Mast	Forward / Backward	deg	8 / 10	8 / 10	8 / 10
	14	Overall Dimensions	Length to Fork Face	mm	3,100	3,151	3,265
			Overall Width	mm	1,372	1,451	1,451
			Mast Lowered Height	mm	2,225	2,230	2,230
			Mast Extended Height	mm	4,265	4,270	4,420
			Overhead Guard Height	mm	2,225	2,230	2,230
			Seat Height	mm	1,248	1,255	1,255
	20	Turning Radius	Minimum outside	mm	2,770	2,820	2,865
	21	Load Moment Center		mm	561	561	561
22	Aisle 90 degree stacking(add load length & clearance)		mm	3,331	3,381	3,426	
PERFORMANCE	23	Travel Speed	Loaded / Unloaded	km/h	24.7 / 25.4	24.7 / 25.4	24.7 / 25.4
	24	Lifting Speed	Loaded / Unloaded	mm/s	547 / 592	542 / 592	537 / 592
	25	Lowering Speed	Loaded / Unloaded	mm/s	490 / 471	490 / 471	490 / 471
	26	Max. Drawbar pull	Loaded at 1.0 mph (1.6km / h)	kg	3,300	3,300	3,360
	27	Max. Gradeability	Loaded at 1.0 mph (1.6km / h)	%	40.3	35.9	35.4
WEIGHT	28	Total Service Weight, Unloaded		kg	5,790	6,180	6,550
	29	Axle Load	Loaded, Front / Rear	kg	8,215 / 1,075	8,980 / 1,200	9,800 / 1,250
			Unloaded, Front / Rear	kg	2,685 / 3,105	2,660 / 3,520	2,810 / 3,740
CHASSIS	31	Tires	Number of wheels(F / R)		2 / 2	2 / 2	2 / 2
	32	Size, Front			8.25 x 15-14	300 x 15-18	300 x 15-18
			Size, Rear		7.00 x 12-12	7.00 x 12-12	7.00 x 12-12
	34	Wheel Base	Distance	mm	2,000	2,000	2,100
	35	Tread Width	Front / Rear	mm	1,138 / 1,115	1,153 / 1,115	1,153 / 1,115
	36	Ground Clearance	Loaded at the lowest point	mm	160	160	160
			Loaded at center of wheelbase	mm	205	205	205
	38	Brakes	Service		Shoe / Disc	Shoe / Disc	Shoe / Disc
			Parking		Ratchet	Ratchet	Ratchet
POWER TRAIN	40	Battery	Voltage / Ampere	V/AH	24 / 75	24 / 75	24 / 75
	41	Engine	Model		Kubota V3800	Kubota V3800	Kubota V3800
	42	Rated Power(DIN)	HP/rpm		92 / 2,400	92 / 2,400	92 / 2,400
			kW/rpm		68.6 / 2,400	68.6 / 2,400	68.6 / 2,400
	43	Maximum Torque		N-m/rpm	335 / 1,500	335 / 1,500	335 / 1,500
	44	Cylinders / Displacements		CC	4 / 3,769	4 / 3,769	4 / 3,769
	45	Transmission	Type		Powershift	Powershift	Powershift
Number of Speed (Fwd / Rev)				2 / 2	2 / 2	2 / 2	
46	Hydraulic Pressure	System	bar	190	190	210	
		Attachment	bar	140	140	140	

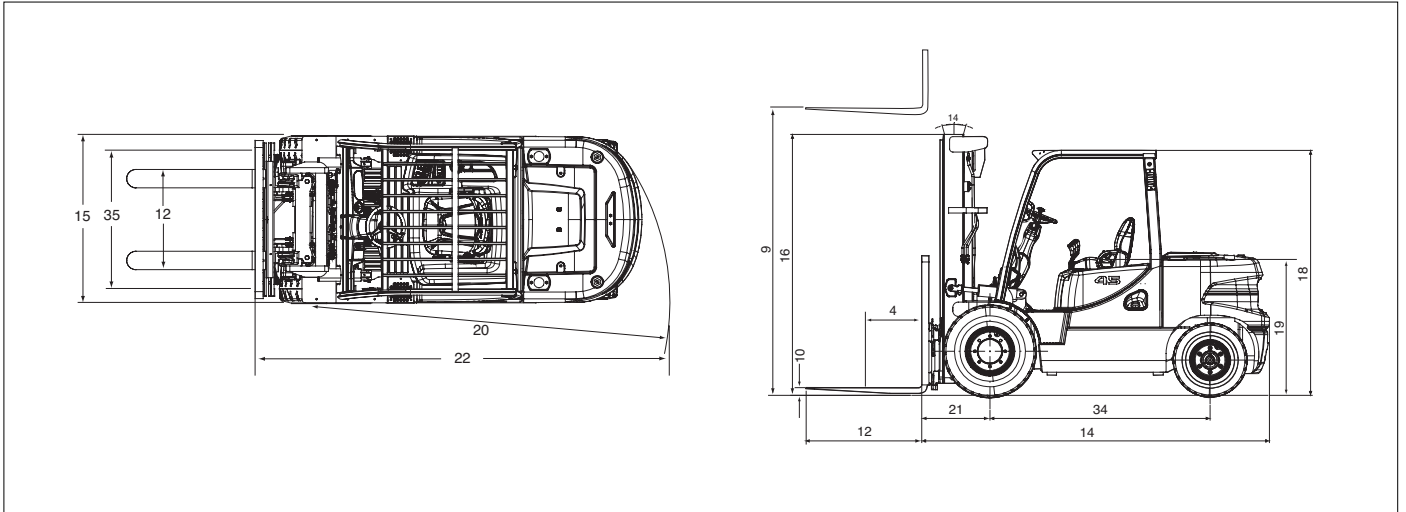
Note: Specification values quoted in this specification sheet has been rounded. Performance may vary due to operation conditions.  
Products and specifications are subject to improvement and change without prior notices.

# 3,500/4,000/4,500/5,000/5,500 kg Capacities

## Engine Powered Forklift Trucks Pneumatic Tire, Diesel

DOOSAN	DOOSAN	DOOSAN	DOOSAN	DOOSAN	DOOSAN
D50C-5	D55C-5	D40SC-5	D45SC-5	D50SC-5	D55SC-5
5,000	5,500	4,000	4,500	5,000	5,500
600	600	500	500	500	500
Diesel	Diesel	Diesel	Diesel	Diesel	Diesel
Driver-seated	Driver-seated	Driver-seated	Driver-seated	Driver-seated	Driver-seated
P	P	P	P	P	P
x 2 / 2	x 2 / 2	x 2 / 2	x 2 / 2	x 2 / 2	x 2 / 2
3,050	3,050	3,000	3,000	3,000	3,050
170	170	160	160	160	170
IV	IV	III	III	IV	IV
1,200 x 150 x 60	1,200 x 150 x 60	1,050 x 150 x 50	1,050 x 150 x 50	1,200 x 150 x 50	1,200 x 150 x 60
340 x 1,290	340 x 1,290	310 x 1,182	310 x 1,182	340 x 1,290	340 x 1,290
8 / 10	8 / 10	8 / 10	8 / 10	8 / 10	8 / 10
3,300	3,350	3,100	3,151	3,265	3,300
1,451	1,451	1,372	1,451	1,451	1,451
2,380	2,380	2,225	2,230	2,230	2,380
4,470	4,470	4,265	4,270	4,420	4,470
2,230	2,230	2,225	2,230	2,230	2,230
1,255	1,255	1,255	1,255	1,255	1,255
2,930	2,990	2,770	2,820	2,865	2,930
571	571	561	561	561	571
3,501	3,561	3,331	3,381	3,426	3,501
24.7 / 25.4	24.7 / 25.4	24.7 / 25.4	24.7 / 25.4	24.7 / 25.4	24.7 / 25.4
532 / 592	527 / 592	547 / 592	542 / 592	537 / 592	532 / 592
500 / 471	500 / 471	490 / 471	490 / 471	490 / 471	500 / 471
3,390	3,400	3,300	3,300	3,360	3,390
30.7	27.4	40.3	35.9	35.4	30.7
7,050	7,390	5,790	6,180	6,550	7,050
10,680 / 1,370	11,370 / 1,520	8,805 / 985	9,540 / 1,140	9,800 / 1,250	10,680 / 1,370
2,890 / 4,160	2,800 / 4,590	2,685 / 3,105	2,660 / 3,520	2,810 / 3,740	2,890 / 4,160
2 / 2	2 / 2	2 / 2	2 / 2	2 / 2	2 / 2
300 x 15-18	300 x 15-18	8.25 x 15-14	300 x 15-18	300 x 15-18	300 x 15-18
7.00 x 12-14	7.00 x 12-14	7.00 x 12-12	7.00 x 12-12	7.00 x 12-12	7.00 x 12-14
2,100	2,100	2,000	2,000	2,100	2,100
1,153 / 1,115	1,153 / 1,115	1,138 / 1,115	1,153 / 1,115	1,153 / 1,115	1,153 / 1,115
160	160	160	160	160	160
205	205	205	205	205	205
Shoe / Disc	Shoe / Disc	Shoe / Disc	Shoe / Disc	Shoe / Disc	Shoe / Disc
Ratchet	Ratchet	Ratchet	Ratchet	Ratchet	Ratchet
24 / 75	24 / 75	24 / 75	24 / 75	24 / 75	24 / 75
Kubota V3800	Kubota V3800	Kubota V3800	Kubota V3800	Kubota V3800	Kubota V3800
92 / 2,400	92 / 2,400	92 / 2,400	92 / 2,400	92 / 2,400	92 / 2,400
68.6 / 2,400	68.6 / 2,400	68.6 / 2,400	68.6 / 2,400	68.6 / 2,400	68.6 / 2,400
335 / 1,500	335 / 1,500	335 / 1,500	335 / 1,500	335 / 1,500	335 / 1,500
4 / 3,769	4 / 3,769	4 / 3,769	4 / 3,769	4 / 3,769	4 / 3,769
Powershift	Powershift	Powershift	Powershift	Powershift	Powershift
2 / 2	2 / 2	2 / 2	2 / 2	2 / 2	2 / 2
210	230	190	190	210	210
140	140	140	140	140	140

# DIMENSIONAL DRAWING



## MAST SPECIFICATIONS and RATED CAPACITIES

### D35S-5, D40SC-5

Mast type	Maximum Fork Height	Maximum Lowered Height	Fully Extended Height With Load Backrest	Free Lift With Load Backrest	Rated Load Capacities							
					D35S-5, D40SC-5							
					Tilt Angle				Load Capacities			
					Single Pneu.		Double Pneu.		Single Pneu.		Double Pneu.	
					FWD	BWD	FWD	BWD	LC500mm	LC600mm	LC500mm	LC600mm
					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

### D40S-5, D45SC-5

Mast type	Maximum Fork Height	Maximum Lowered Height	Fully Extended Height With Load Backrest	Free Lift With Load Backrest	Rated Load Capacities							
					D40S-5, D45SC-5							
					Tilt Angle				Load Capacities			
					Single Pneu.		Double Pneu.		Single Pneu.		Double Pneu.	
					FWD	BWD	FWD	BWD	LC500mm	LC600mm	LC500mm	LC600mm
					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	5	4,175	3,830	4,225	3,875
	5,600	2,630	6,885	1,430	8	3	8	3	4,050	3,715	4,075	3,740
	6,050	2,780	7,335	1,580	8	3	8	3	3,800	3,485	3,750	3,440

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

**D45S-5, D50SC-5**

Mast type	Maximum Fork Height	Maximum Lowered Height	Fully Extended Height With Load Backrest	Free Lift With Load Backrest	Rated Load Capacities							
					D45S-5, D50SC-5							
					Tilt Angle				Load Capacities			
					Single Pneu.		Double Pneu.		Single Pneu.		Double Pneu.	
FWD	BWD	FWD	BWD	LC500mm	LC600mm	LC500mm	LC600mm					
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	5,670	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	4,700	4,295
FF	3,000	2,210	4,400	860	8	10	8	10	5,000	4,575	5,000	4,575
FFT	4,000	2,090	5,415	740	8	8	8	8	5,000	4,585	5,000	4,585
	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	4,525	4,150
	5,600	2,630	7,030	1,280	8	3	8	5	4,500	4,125	4,125	3,785
	6,050	2,780	7,480	1,430	8	3	8	3	3,575	3,280	3,575	3,280

**D50C-5, D55SC-5**

Mast type	Maximum Fork Height	Maximum Lowered Height	Fully Extended Height With Load Backrest	Free Lift With Load Backrest	Rated Load Capacities							
					D50C-5, D55SC-5							
					Tilt Angle				Load Capacities			
					Single Pneu.		Double Pneu.		Single Pneu.		Double Pneu.	
FWD	BWD	FWD	BWD	LC500mm	LC600mm	LC500mm	LC600mm					
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	5,125	4,690
FF	2,875	2,210	4,275	870	8	10	8	10	5,500	5,035	5,500	5,035
FFT	3,875	2,090	5,290	750	8	8	8	8	5,500	5,050	5,500	5,050
	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	4,600	4,220
	5,475	2,630	6,905	1,290	8	3	8	5	4,650	4,270	4,200	3,855
	5,925	2,780	7,355	1,440	8	3	8	5	3,625	3,330	3,275	3,005

**D55C-5**

Mast type	Maximum Fork Height	Maximum Lowered Height	Fully Extended Height With Load Backrest	Free Lift With Load Backrest	Rated Load Capacities							
					D55C-5							
					Tilt Angle				Load Capacities			
					Single Pneu.		Double Pneu.		Single Pneu.		Double Pneu.	
FWD	BWD	FWD	BWD	LC500mm	LC500mm							
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		
FFT	3,875	2,090	5,290	750	8	8	8	8	5,500	5,500		
	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	4,425		
	5,475	2,630	6,905	1,290	8	3	8	5	4,500	4,050		
	5,925	2,780	7,355	1,440	8	3	8	5	3,500	3,125		

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

Oil Cooled Disc Brakes  
Operator Sensing System  
**EQUIPPED**



ISO 9001



ISO 14001



PSCo807B4 (Oct.2012)



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AUTHORIZED DEALER

Product and specifications are subject to improvement and change without notice.