



Doosan Infracore
Forklifts

TECHNICAL SPECIFICATIONS

4 Wheels Electric Forklift Trucks

B15S/B18S-5

BC15S/BC18S-5 & BC20SC-5

1,500kg to 2,000kg Capacity

PRO5
SERIES



1,500/1,750 kg Capacities

4 Wheel Electric Forklift Trucks

MAIN VEHICLE SPECIFICATIONS

CHARACTERISTICS	1	Manufacture			DOOSAN	DOOSAN
	2	Model			B15S-5	B18S-5
	3	Load Capacity	at rated load center	kg	1,500	1,750
	4	Load Center		mm	500	500
	5	Power type			AC electric	AC electric
	6	Operator type			driver seated	driver seated
	7	Tire type	P:Pnu, E:Solid Soft, C: Cush		P,E	P,E
	8	Wheels (x=Driven)			x2 / 2	x2 / 2
DIMENSIONS	9	Max. Fork Height	with STD 2-stage mast	mm	3,000	3,000
	10	Free Lift		mm	130	130
	12	Fork Carriage	ISO Class		II	II
	13	Forks	Length x Width x Thickness	mm	900 x 100 x 35	900 x 100 x 35
			Fork Spacing(Min x Max)	mm	240 x 905	240 x 905
	14	Tilt of Mast	Forward/Backward	deg	6 / 10	6 / 10
	15	Overall Dimensions	Length to Fork Face	mm	1,970	2,020
			Overall Width	mm	1,090	1,090
			Mast Lowered Height	mm	2,015	2,015
			Mast Extended Height	mm	4,050	4,050
			Overhead Guard Height	mm	2,120	2,120
			Seat Height	mm	1,060	1,060
	21	Turning Radius	Minimum outside	mm	1,825	1,855
	22	Load Moment Center		mm	394	394
	23	Aisle 90 degree stacking(add load length & clearance)		mm	2,219	2,249
PERFORMANCE	24	Travel Speed	Loaded/Unloaded	48V	km/h	17.0 / 17.0
	25	Lifting Speed	Loaded/Unloaded	48V	mm/s	400 / 600
	26	Lowering Speed	Loaded/Unloaded		mm/s	500 / 450
	28	Max. drawbar pull	Loaded (5 min. rating)	kg	1,070	1,090
	30	Max. gradeability	Loaded (5 min. rating)	kg	24	22
	WEIGHT	32	Total Service Weight	with minimum weight of battery	kg	3,087
33		Axle Load at Loaded	Front/Rear	kg	3,993 / 594	4,401 / 695
34		Axle Load at Unloaded	Front/Rear	kg	1,420 / 1,667	1,399 / 1,947
35			Number of wheels(F/R)		2 / 2	2 / 2
CHASSIS	36	Tires	Size, Front	mm	6.50-10	6.50-10
			Size, Rear	mm	5.00-8	5.00-8
			Wheel Base	Distance	mm	1,250
	39	Tread Width	Front	mm	890	890
			Rear	mm	890	890
	40	Ground Clearance	at the lowest point	mm	95	95
			at center of wheelbase	mm	95	95
	42	Brakes	Service		Foot / Hyd	Foot / Hyd
Parking				Hand / Mech	Hand / Mech	
POWER TRAIN	45	Battery	Type		lead-acid	lead-acid
			Max. Capacity (5 Hours)	AH	450	500
			Battery compartment sizes(WxLxH)	mm	1,010 x 727 x 470	1,010 x 727 x 470
			Weight(Minimum)	kg	800	890
	47	Electric Motors	Drive motor(1 HR Rating)	48V	kW	10
48	Hyd. Motor(15% Duty)		48V	kW	12	12
54	Control Type	with electric drive			MOSFET Inverter	MOSFET Inverter
57	Relief Pressure	System	bar	199	199	
		Attachment	bar	140	140	
	Noise Level	Leq@operator's ear-empty travel	dB(A)	68	68	

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.

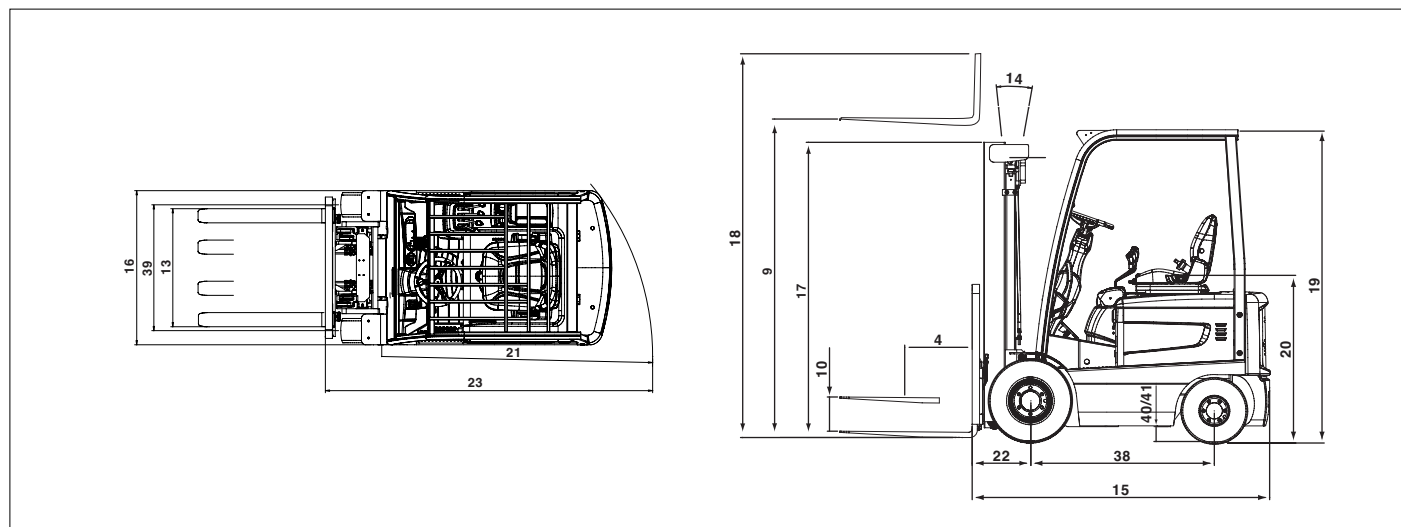
1,500/1,750/2,000 kg Capacities

4 Wheel Electric Forklift Trucks

MAIN VEHICLE SPECIFICATIONS

CHARACTERISTICS	1	Manufacture			DOOSAN	DOOSAN	DOOSAN	
	2	Model			BC15S-5	BC18S-5	BC20SC-5	
	3	Load Capacity	at rated load center	kg	1,500	1,750	2,000	
	4	Load Center		mm	500	500	500	
	5	Power type			AC Electric	AC Electric	AC Electric	
	6	Operator type			Driver seated	Driver seated	Driver seated	
	7	Tire type	P:Pnu, E:Solid Soft, C: Cush		C	C	C	
	8	Wheels (x=Driven)			x 2 / 2	x 2 / 2	x 2 / 2	
DIMENSIONS	9	Max. Fork Height	with STD 2-stage mast	mm	3,300	3,300	3,300	
	10	Free Lift		mm	130	130	135	
	12	Fork Carriage	ISO Class		II	II	II	
	13	Forks	Length x Width x Thickness	mm	1,050X100X35	1,050X100X35	1,050X100X40	
			Fork Spacing(Min x Max)	mm	240X905	240X905	240X905	
	14	Tilt of Mast	Forward/Backward	deg	6 / 8	6 / 8	6 / 8	
	15	Overall Dimensions	Length to Fork Face	mm	1,933	1,973	2,028	
			Overall Width	mm	945	945	991	
			Mast Lowered Height	mm	2,130	2,130	2,130	
			Mast Extended Height	mm	4,345	4,345	4,345	
			Overhead Guard Height	mm	2,207	2,207	2,207	
			Seat Height	mm	1,135	1,135	1,135	
	21	Turning Radius	Minimum outside	mm	1,760	1,778	1,808	
22	Load Moment Center		mm	394	394	399		
23	Aisle 90 degree stacking(add load length & clearance)		mm	2,158	2,176	2,211		
PERFORMANCE	24	Travel Speed	Loaded/Unloaded	36V	km/h	14.0 / 15.0	14.0 / 15.0	14.0 / 15.0
			Loaded/Unloaded	48V	km/h	17.0 / 17.0	17.0 / 17.0	17.0 / 17.0
	25	Lifting Speed	Loaded/Unloaded	36V	mm/s	370 / 550	340 / 550	320 / 550
			Loaded/Unloaded	48V	mm/s	400 / 600	400 / 600	400 / 600
	26	Lowering Speed	Loaded/Unloaded		mm/s	500 / 450	500 / 450	500 / 450
	28	Max. drawbar pull	Loaded (5 min. rating)		kg	630	630	630
30	Max. gradeability	Loaded (5 min. rating)		(%)	14	13	12	
WEIGHT	32	Total Service Weight	with minimum weight of battery	kg	3,170	3,350	3,570	
	33	Axle Load at Loaded	Front/Rear	kg	3,890 / 640	4,270 / 670	4,612 / 768	
	34	Axle Load at Unloaded	Front/Rear	kg	1,405 / 1,765	1,365 / 1,985	1,305 / 2,265	
	35		Number of wheels(F/R)		2 / 2	2 / 2	2 / 2	
36	Tires	Size, Front			18 X 6 X 12.1	18 X 6 X 12.1	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	mm	1,220	1,220	1,220		
39	Tread Width	Front	mm	787	787	813		
		Rear	mm	787	787	787		
40	Ground Clearance	at the lowest point	mm	68	68	68		
		at center of wheelbase	mm	80	80	80		
42	Brakes	Service			Foot / Hyd	Foot / Hyd	Foot / Hyd	
		Parking			Hand / Mech	Hand / Mech	Hand / Mech	
POWER TRAIN	45	Battery	Type			lead-acid	lead-acid	lead-acid
			Max. Capacity (5 Hours)	36V	AH	880	880	880
				48V	AH	585	585	585
			Battery compartment sizes(WxLxH)	mm		909 X 695 X 613	909 X 695 X 613	909 X 695 X 613
			Weight(Minimum)	36V	kg	839	839	839
				48V	kg	850	850	850
	47	Electric Motors	Drive motor(1 HR Rating)	36V	kW	10	10	10
				48V	kW	10	10	10
			Hyd. Motor(15% Duty)	36V	kW	12	12	12
				48V	kW	12	12	12
54	Control Type	with electric drive			MOSFET Inverter	MOSFET Inverter	MOSFET Inverter	
57	Relief Pressure	System	bar		198.4	198.4	198.4	
		Attachment	bar		155	155	155	
	Noise Level	Leq	dB		68	68	68	

DIMENSIONAL DRAWING



MAST SPECIFICATIONS and RATED CAPACITIES

B15S-5

Mast type	Maximum Fork Height	Maximum Lowered Height	Fully Extended Height	Free Lift	Rated Load Capacities		
					B15S-5		
					Tilt Angle		Load Capacities
			With Load Backrest	With Load Backrest	FWD	BWD	LC 500mm
	mm	mm	mm	mm	deg	deg	kg
STD	3000	2015	4050	130	6	10	1500
	3300	2165	4350	130	6	10	1500
	3500	2265	4550	130	6	10	1500
	3700	2365	4750	130	6	10	1500
	4000	2565	5050	130	6	10	1475
FF	4500	2815	5550	130	6	6	1425
	2700	1865	3750	860	6	10	1500
	3000	2015	4050	1010	6	10	1500
FFT	3300	2165	4350	1160	6	10	1500
	4000	1895	5055	890	6	10	1425
	4500	2065	5550	1060	6	6	1350
	4750	2145	5800	1140	6	3	1325
	5000	2265	6050	1260	6	3	1275
	5500	2495	6555	1490	6	3	950
	6000	2665	7050	1660	6	3	700

B18S-5

Mast type	Maximum Fork Height	Maximum Lowered Height	Fully Extended Height	Free Lift	Rated Load Capacities		
					B18S-5		
					Tilt Angle		Load Capacities
	mm	mm	mm	mm	FWD	BWD	LC 500mm
	mm	mm	mm	mm	deg	deg	kg
STD	3000	2015	4050	130	6	10	1750
	3300	2165	4350	130	6	10	1750
	3500	2265	4550	130	6	10	1750
	3700	2365	4750	130	6	10	1750
	4000	2565	5050	130	6	6	1750
FF	4500	2815	5550	130	6	6	1450
	2700	1865	3750	860	6	10	1750
	3000	2015	4050	1010	6	10	1750
FFT	3300	2165	4350	1160	6	10	1750
	4000	1895	5055	890	6	6	1700
	4500	2065	5550	1060	6	3	1625
	4750	2145	5800	1140	6	3	1450
	5000	2265	6050	1260	6	3	1250
	5500	2495	6555	1490	6	3	900
	6000	2665	7050	1660	6	3	650

BC15S

Mast type	Maximum Fork Height	Maximum Lowered Height	Fully Extended Height	Free Lift	Rated Load Capacities					
					BC15S					
					With Load Backrest	With Load Backrest	Tilt Angle		Load Capacities	
							FWD	BWD	Narrow Tire LC 500mm	Wide Tire LC 500mm
mm	mm	mm	mm	deg	deg	kg	kg			
STD	3000	1980	4045	130	6	8	1500	1500		
	3300	2130	4345	130	6	8	1500	1500		
	3500	2230	4545	130	6	8	1500	1500		
	3700	2330	4745	130	6	8	1500	1500		
	4000	2530	5045	130	6	8	1500	1500		
FF	4500	2780	5545	130	6	8	1300	1500		
	2700	1830	3745	825	6	5	1500	1500		
	3000	1980	4045	975	6	5	1500	1500		
FFT	3300	2130	4345	1125	6	5	1500	1500		
	4000	1860	5050	855	6	5	1500	1500		
	4500	2025	5545	1020	6	5	1500	1500		
	4750	2110	5795	1105	6	5	1450	1450		
	5000	2225	6045	1220	6	5	1300	1450		
6000	2460	6550	1455	1455	6	5	850	1350		
	2625	7045	1620	1620	6	5	600	1100		

BC18S

Mast type	Maximum Fork Height	Maximum Lowered Height	Fully Extended Height	Free Lift	Rated Load Capacities					
					BC18S					
					With Load Backrest	With Load Backrest	Tilt Angle		Load Capacities	
							FWD	BWD	Narrow Tire LC 500mm	Wide Tire LC 500mm
mm	mm	mm	mm	deg	deg	kg	kg			
STD	3000	1980	4045	130	6	8	1750	1750		
	3300	2130	4345	130	6	8	1750	1750		
	3500	2230	4545	130	6	8	1750	1750		
	3700	2330	4745	130	6	8	1750	1750		
	4000	2530	5045	130	6	8	1700	1700		
	4500	2780	5545	130	6	8	1300	1650		
FF	2700	1830	3745	825	6	5	1750	1750		
	3000	1980	4045	975	6	5	1750	1750		
	3300	2130	4345	1125	6	5	1750	1750		
FFT	4000	1860	5050	855	6	5	1700	1700		
	4500	2025	5545	1020	6	5	1600	1600		
	4750	2110	5795	1105	6	5	1550	1600		
	5000	2225	6045	1220	6	5	1300	1550		
	5500	2460	6550	1455	6	5	850	1450		
	6000	2625	7045	1620	6	3	800	1400		

BC20SC

Mast type	Maximum Fork Height	Maximum Lowered Height	Fully Extended Height	Free Lift	Rated Load Capacities					
					BC20SC					
					With Load Backrest	With Load Backrest	Tilt Angle		Load Capacities	
							FWD	BWD	Narrow Tire LC 500mm	Wide Tire LC 500mm
mm	mm	mm	mm	deg	deg	kg	kg			
STD	3000	1980	4050	135	6	8	2000	2000		
	3300	2130	4350	135	6	8	2000	2000		
	3500	2230	4550	135	6	8	2000	2000		
	3700	2330	4750	135	6	8	2000	2000		
	4000	2530	5050	135	6	8	1950	1950		
	4500	2780	5550	135	6	8	1450	1850		
FF	2700	1830	3750	825	6	5	2000	2000		
	3000	1980	4050	975	6	5	2000	2000		
	3300	2130	4350	1125	6	5	2000	2000		
FFT	4000	1860	5055	855	6	5	1900	1900		
	4500	2025	5550	1020	6	5	1800	1850		
	4750	2110	5800	1105	6	5	1750	1800		
	5000	2225	6050	1220	6	5	1450	1750		
	5500	2460	6555	1455	6	3	1300	1650		
	6000	2625	7050	1620	6	3	900	1200		



ISO 9001

ISO 14001

PRO5 SERIES



B15S / B18S-5
1,500kg 1,750kg
48 VOLT
Pneumatic Tire



BC15S / BC18S / BC20SC-5
1,500kg 1,750kg 2,000kg
36/48 VOLT
Cushion Tire

PSC0703B2 (Mar.2007)



Doosan Infracore
Forklifts

Head Office : 7-11, Hwasu-Dong, Dong-Gu, Incheon, Korea.
Tel : 82-32-211-5011 Fax : 82-32-211-5412
Seoul Office : 22nd floor, Doosan Tower Bldg, Euljiro 6-Ga
Jung-Gu, Seoul, Korea.
Tel : 82-2-3398-8633 Fax : 82-2-3398-8619
Web site : <http://iv.doosaninfracore.co.kr/eng>

AUTHORIZED DEALER

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