



Doosan Infracore  
Forklifts

# TECHNICAL SPECIFICATIONS

## 3 Wheel Electric Forklift Trucks

B10R / 13R / 15R / 16R-5 (24V Rear Wheel Drive)

1,000kg to 1,600kg Capacity

**PRO5**  
SERIES



# 1,000/1,250/1,500/1,600 kg Capacities

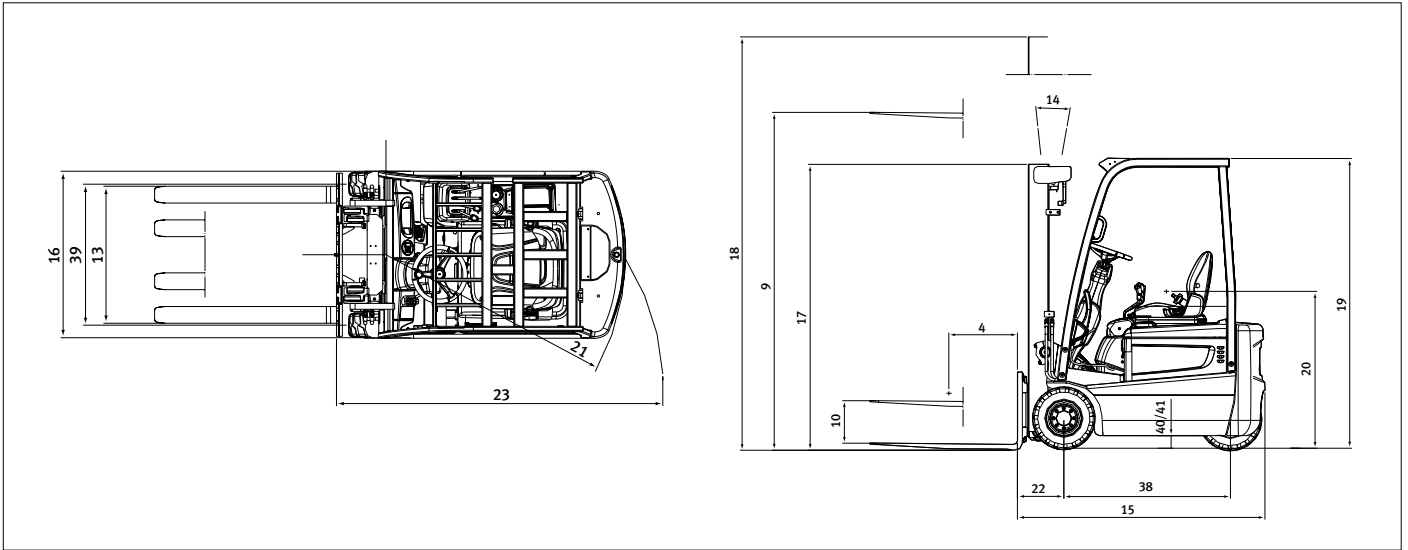
## 3 Wheel Electric Forklift Trucks

### MAIN VEHICLE SPECIFICATIONS

CHARACTERISTICS	2	Model		B10R-5	B13R-5	B15R-5	B16R-5		
	3	Load Capacity	at rated load center	kg	1000	1250	1500	1600	
	4	Load Center		mm	500	500	500	500	
	5	Power type			electric	electric	electric	electric	
	6	Operator type			rider seated	rider seated	rider seated	rider seated	
	7	Tire type	P:Pnumatic, E:Solid Soft, C: Cushion		P,E	P,E	P,E	E	
	8	Wheels (x=Driven)			2/1x	2/1x	2/1x	2/1x	
	DIMENSIONS	9	Max. Fork Height	with STD 2-stage mast	mm	3000	3000	3000	3000
10		Free Lift		mm	130	130	130	130	
12		Fork Carriage	ISO Class		II	II	II	II	
13		Forks	Thickness x Width x Length	mm	35x100x900	35x100x900	35x100x900	35x100x900	
			Fork Spacing(Min x Max)	mm	200x905	200x905	200x905	200x905	
14		Tilt of Mast	Forward/Backward	deg	3/6	3/6	3/6	3/6	
15		Overall Dimensions	Length to Fork Face	mm	1710	1735	1760	1785	
			Overall Width	mm	996	996	996	996	
			Mast Lowered Height	mm	2025	2025	2025	2025	
			Mast Extended Height	mm	4025	4025	4025	4025	
			Overhead Guard Height	mm	2067	2067	2067	2067	
20	Seat Height		mm	1010	1010	1010	1010		
21	Turning Radius	Minimum outside	mm	1380	1405	1430	1455		
22	Load Moment Center		mm	330	330	330	330		
23	Right Angle Stacking Aisle Width	With Pallet 1200X800/1000X1200[LXW]	mm	3039	3064	3089	3114		
PERFORMANCE	24	Speed	Travel, Loaded/Unloaded	km/h	12.5/13.5	12.0/13.0	12.0/12.5	12.0/12.5	
			Lifting, Loaded/Unloaded	mm/s	320/520	310/520	300/520	300/520	
			Lowering, Loaded/Unloaded	mm/s	500/450	500/450	500/450	500/450	
	28	Max. Drawbar pull	Loaded	kg	290/837	357/765	385/765	354/765	
30	Max. Gradeability	At 1.6 km/h, Loaded	%	19/25	19/25	16/25	15/25		
WEIGHT	32	Total Weight	with minimum weight of battery	kg	2451	2777	2951	3036	
	33	Axle Load at Loaded (Vertical)	Front/Rear	kg	3007/445	3486/541	3958/493	4109/527	
	34	Axle Load at Unloaded (Vertical)	Front/Rear	kg	1275/1176	1321/1455	1408/1543	1388/1648	
CHASSIS	35	Tires	Number of wheels(Front/ Rear)		2/1	2/1	2/1	2/1	
	36		Size, Front		18x7-8	18x7-8	18x7-8	18x7-8	
	37		Size, Rear		18x7-8	18x7-8	18x7-8	18x7-8	
	38	Wheel Base	Distance (forward x vertical x back)	mm	1111x1135x1185	1111x1135x1185	1161x1185x1235	1161x1185x1235	
	39	Tread Width	Front	mm	840	840	840	840	
			Rear	mm	0	0	0	0	
	40	Ground Clearance	Loaded	at lowest	mm	85	85	85	85
	41			at center of wheelbase	mm	90	90	90	90
42	Brakes	Service		foot/hyd	foot/hyd	foot/hyd	foot/hyd		
43		Parking		hand/mach	hand/mach	hand/mach	hand/mach		
POWER TRAIN	45	Battery	Type		lead-acid	lead-acid	lead-acid	lead-acid	
			Voltage/Capacity(Max)	V/AH	24/875	24/875	24/1000	24/1000	
			Minimum Weight	kg	450	600	675	675	
	47	Electric Motors	Drive motor - 1 Hour Rating	kW	5	5	5	5	
			48	Hyd. Motor - 20% Duty	kW	7	7	7	7
	54	Control Type		type	Inverter AC	Inverter AC	Inverter AC	Inverter AC	
	55	Transfer	Brake Type	type	AC	AC	AC	AC	
57	Relief Pressure	System	bar	159	159	159	175		
		Attachment	bar	159	159	159	159		

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.

# DIMENSIONAL DRAWING



## MAST SPECIFICATIONS and RATED CAPACITIES

### B10R-5

Mast type	Maximum Fork Height	Fully Lowered Height	Fully Extended Height		Free Lift		Solid Soft Tire	Pneumatic Tire
			With Load Backrest	W/O Load Backrest	With Load Backrest	W/O Load Backrest	Tilt Angle	Tilt Angle
							FWD/BWD	FWD/BWD
mm	mm	mm	mm	mm	mm	deg	deg	
STD	3000	2025	4045	3600	130	130	3/6	3/6
STD	3300	2175	4345	3900	130	130	3/6	3/6
STD	3500	2275	4545	4100	130	130	3/6	3/6
STD	3700	2375	4745	4300	130	130	3/6	3/6
STD	4000	2575	5045	4600	130	130	3/6	3/6
STD	4500	2825	5545	5100	130	130	3/6	3/6
FF	2700	1875	3745	3325	870	1290	3/6	3/6
FF	3000	2025	4045	3625	1020	1440	3/6	3/6
FF	3300	2175	4345	3925	1170	1590	3/6	3/6
FFT	4000	1905	5050	4630	900	1320	3/5	3/5
FFT	4500	2070	5545	5125	1065	1485	3/5	3/5
FFT	4750	2155	5795	5375	1150	1570	3/5	3/5
FFT	5000	2270	6045	5625	1265	1685	3/5	3/5
FFT	5500	2505	6550	6130	1500	1920	3/5	3/5
FFT	6000	2670	7045	6625	1665	2085	3/5	3/5

### B13R-5

Mast type	Maximum Fork Height	Fully Lowered Height	Fully Extended Height		Free Lift		Solid Soft Tire	Pneumatic Tire
			With Load Backrest	W/O Load Backrest	With Load Backrest	W/O Load Backrest	Tilt Angle	Tilt Angle
							FWD/BWD	FWD/BWD
mm	mm	mm	mm	mm	mm	deg	deg	
STD	3000	2025	4045	3600	130	130	3/6	3/6
STD	3300	2175	4345	3900	130	130	3/6	3/6
STD	3500	2275	4545	4100	130	130	3/6	3/6
STD	3700	2375	4745	4300	130	130	3/6	3/6
STD	4000	2575	5045	4600	130	130	3/6	3/6
STD	4500	2825	5545	5100	130	130	3/6	3/6
FF	2700	1875	3745	3325	870	1290	3/6	3/6
FF	3000	2025	4045	3625	1020	1440	3/6	3/6
FF	3300	2175	4345	3925	1170	1590	3/6	3/6
FFT	4000	1905	5050	4630	900	1320	3/5	3/5
FFT	4500	2070	5545	5125	1065	1485	3/5	3/5
FFT	4750	2155	5795	5375	1150	1570	3/5	3/5
FFT	5000	2270	6045	5625	1265	1685	3/5	3/5
FFT	5500	2505	6550	6130	1500	1920	3/5	3/5
FFT	6000	2670	7045	6625	1665	2085	3/5	3/5



### B15R-5

Mast type	Maximum Fork Height	Fully Lowered Height	Fully Extended Height		Free Lift		Solid Soft Tire	Pneumatic Tire
			With Load Backrest	W/O Load Backrest	With Load Backrest	W/O Load Backrest	Tilt Angle	Tilt Angle
							FWD/BWD	FWD/BWD
mm	mm	mm	mm	mm	mm	deg	deg	
STD	3000	2025	4045	3600	130	130	3/6	3/6
STD	3300	2175	4345	3900	130	130	3/6	3/6
STD	3500	2275	4545	4100	130	130	3/6	3/6
STD	3700	2375	4745	4300	130	130	3/6	3/6
STD	4000	2575	5045	4600	130	130	3/6	3/6
STD	4500	2825	5545	5100	130	130	3/6	3/6
FF	2700	1875	3745	3325	870	1290	3/6	3/6
FF	3000	2025	4045	3625	1020	1440	3/6	3/6
FF	3300	2175	4345	3925	1170	1590	3/6	3/6
FFT	4000	1905	5050	4630	900	1320	3/5	3/5
FFT	4500	2070	5545	5125	1065	1485	3/5	3/5
FFT	4750	2155	5795	5375	1150	1570	3/5	3/5
FFT	5000	2270	6045	5625	1265	1685	3/5	3/5
FFT	5500	2505	6550	6130	1500	1920	3/5	3/5
FFT	6000	2670	7045	6625	1665	2085	3/5	3/5

### B16R-5

Mast type	Maximum Fork Height	Fully Lowered Height	Fully Extended Height		Free Lift		Solid Soft Tire	Pneumatic Tire
			With Load Backrest	W/O Load Backrest	With Load Backrest	W/O Load Backrest	Tilt Angle	Tilt Angle
							FWD/BWD	FWD/BWD
mm	mm	mm	mm	mm	mm	deg	deg	
STD	3000	2025	4045	3600	130	130	3/6	3/6
STD	3300	2175	4345	3900	130	130	3/6	3/6
STD	3500	2275	4545	4100	130	130	3/6	3/6
STD	3700	2375	4745	4300	130	130	3/6	3/6
STD	4000	2575	5045	4600	130	130	3/6	3/6
STD	4500	2825	5545	5100	130	130	3/6	3/6
FF	2700	1875	3745	3325	870	1290	3/6	3/6
FF	3000	2025	4045	3625	1020	1440	3/6	3/6
FF	3300	2175	4345	3925	1170	1590	3/6	3/6
FFT	4000	1905	5050	4630	900	1320	3/5	3/5
FFT	4500	2070	5545	5125	1065	1485	3/5	3/5
FFT	4750	2155	5795	5375	1150	1570	3/5	3/5
FFT	5000	2270	6045	5625	1265	1685	3/5	3/5
FFT	5500	2505	6550	6130	1500	1920	3/5	3/5
FFT	6000	2670	7045	6625	1665	2085	3/5	3/5

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AUTHORIZED DEALER

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