



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

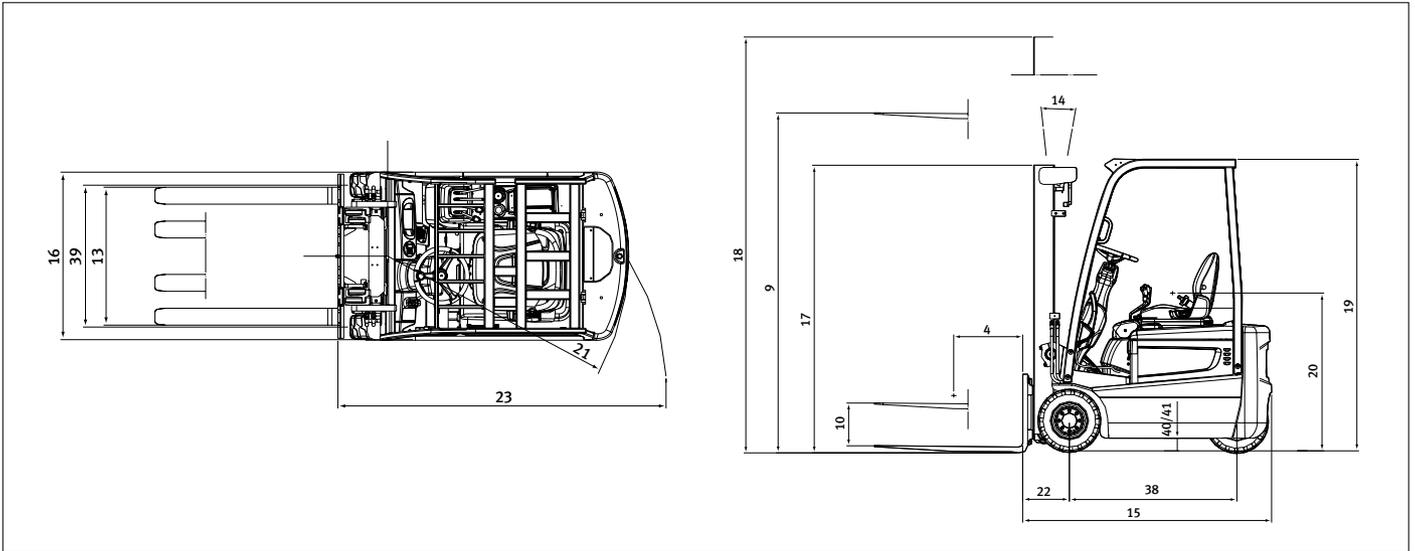
3 Wheel Electric Forklift Trucks

MAIN VEHICLE SPECIFICATIONS

| | | | | B10R-5 | B13R-5 | B15R-5 | B16R-5 | | |
|-----------------|----------------------------------|-------------------------------------|--------------------------------------|------------------------|----------------|----------------|----------------|----------------|------|
| | Model | | | | | | | | |
| 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 | | 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 | |
| | | | Size, Front | | 18x7-8 | 18x7-8 | 18x7-8 | 18x7-8 | |
| | | | 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 |
| | | | | at center of wheelbase | mm | 90 | 90 | 90 | 90 |
| 42 | Brakes | Service | | foot/hyd | foot/hyd | foot/hyd | foot/hyd | | |
| | | 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 | |
| | | | 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 |



ISO 9001

ISO 14001

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 |

(Mar.2007)

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AUTHORIZED DEALER

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