



Doosan Infracore  
Forklifts

**PRO5**  
SERIES



**B15T / B18T / B20T - 5**  
Capacity Range 3,000 - 4,000lb 3 Wheel



**B16X / B18X / B20X - 5**  
Capacity Range 3,000 - 4,000lb 4 Wheel

#### Full Product Line

Doosan offers a full line of lift trucks from 3,000lb(1,500kg) to 36,000lb(16,000kg) pounds to fill all your material handling needs. Contact your dealer for specific information on our various models and configurations.

#### Complete Distribution Network

Doosan lift trucks are sold and serviced by 95 dealers at over 200 locations in the U.S and Canada.

Call us at 1-800-323-9662 for the location of a dealer near you, or visit us at [www.doosanlift.com](http://www.doosanlift.com)

For corporate information go to :  
[www.dhiac.com](http://www.dhiac.com)

## Electric Powered Forklifts

B15T / B18T / B20T - 5

Capacity Range 3,000 to 4,000lb 3 Wheel

B16X / B18X / B20X - 5

Capacity Range 3,000 to 4,000lb 4 Wheel

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Doosan Infracore  
Forklifts

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AUTHORIZED DEALER

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

B15T / B18T / B20T  
B16X / B18X / B20X  
**New Electric Powered Forklifts**

innovative thinking... in-the-iron

**Taking the industry lead...**

Doosan design breakthrough takes AC technology a leap beyond conventional forklifts by introducing revolutionary AC power and efficiency to both drive and hydraulic motors taking the industry lead in electric truck design and performance.

We've designed this new generation of Doosan electrics to be **STRONG, SAFE, STABLE, SMART** and **STYLISH**.



Our customers can be confident that their material handling needs will be met and even surpassed in one compact, productive and efficient package with our new electric powered forklifts.

Our design team has integrated the advances of AC technology with user defined comfort and performance needs generated from extensive marketplace research - resulting in a new electric truck that excels in **Performance, Practicality & Production**.

The **PRO 5** Series provides a complete package of AC technological advances in the **Drive, Hydraulic and Steering** systems. This combination goes beyond the typical AC drive Motor only configuration found on other makes, to maximize benefits both on the production floor and to your bottom line!

**ac power**  
Productivity Comes Standard

**DRIVE THE DIFFERENCE...**

**Doosan AC Drive & Hydraulic technology**

...enhances your investment in equipment, personnel & efficiency

How do you keep your Purchasing, Production & Accounting departments happy?

The **PRO 5** Series will do just that and more with :

- Operator compartment design that optimizes driver comfort to keep your operator fresh, effective and productive... all day, everyday.
- AC Drive & Hydraulic motors promote energy efficiency that generates more run time per battery charge for greater productivity and increased efficiency.
- Elimination of motor brushes, commutators and directional and hydraulic contactors decreases maintenance and minimizes downtime, to reduce overall operating costs.

DOOSAN PRO 5 SERIES with Active Control Technology. Performance, Energy, Safety and Operator Comfort

**ACT**  
Active Control Technology



**DRIVE DOOSAN !**

from front to back...the new **PRO 5 Series**  
will satisfy the most demanding owners & operators.

**OWNERS**  
...want a lift truck that makes good economic sense.

**OPERATORS**  
...want a lift truck that is both comfortable & productive.

ALL OF THEIR NEEDS ARE MET  
BY THE PRO5 SERIES!!

5. Fully Hydraulic Power Steering  
Has no mechanical connection between steering wheel and steer axle which eliminates kickback and gives operator precise steering control with low steering effort regardless of truck speed.



6. Roomy Operator Compartment  
Designed for comfort. Optimized pedal positions, combined with an infinitely tiltable steering wheel and full slide seat adjustment effectively eliminates operator fatigue.

7. Outstanding Visibility  
Achieved with SEE-THRU mast and overhead guard with a low rise cowl design that optimizes operator sight lines forward, up and to the load.

8. Breakthrough Anisometric Overhead Guard  
Revolutionary design permits quick and easy installation of weather panels when and where they are needed.

9. Audible Back-up Buzzer  
To alert pedestrian traffic of vehicle proximity and location.

10. Tool-less Battery Side Covers  
Enhance stylish appearance and permits convenient & open service access.

Maximized forward Visibility



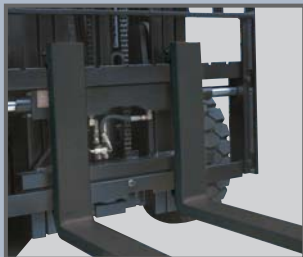
Repositioned hydraulic hoses, sheave and pipes provide clear visibility through the mast. All auxiliary hoses for attachments are aligned behind mast chain and cylinders.

3. Directional Lever  
Hand actuated to easily select forward or reverse for smooth and responsive directional change.

4. Seat Belt Indicator  
Activates as a warning if seat belt is not fastened when truck is in operating mode.



Optional Mono-Ped Foot Directional Control permits hands free directional changes while maintaining full control of other operating functions.



Integral or Hang-on Sideshifter makes load positioning quick and easy for superior material handling efficiency.



Multi-functional Convenience Tray provides cup holder, paperwork clip and storage tray to keep operator organized, efficient and effective.



Electric sensor in brake oil reservoir advises when fluid refill is needed.



Optional Finger-Tip actuated hydraulic valve controls permit precise controlled load movement by literally lifting only a finger to significantly reduce operator movement and expended effort.



Optional Equipment Deluxe Suspension Seat smooths out road bumps and operating jolts.



OIL - COOLED DISC BRAKES

Oil-Cooled Disc Brakes as standard equipment eliminates outside contamination to significantly extend brake life and dramatically decrease maintenance costs. These brakes have service intervals 5-times longer than conventional shoe brakes and come with Doosan INDUSTRY EXCLUSIVE FEATURES.

DRIVE THE DIFFERENCE...

DRIVE DOOSAN !

# Productivity... is standard equipment!

The ultimate judge of any Lift Truck is its productivity and that's where Doosan AC CONTROL SYSTEM really shines!

AGGRESSIVE  
ACCELERATION

+

PRECISE  
CONTROL

+

RUN TIME PER  
BATTERY CHARGE

=PRODUCTIVITY



With just the touch of a button, operators can select the performance mode that best meets their production needs.

### E-Mode(Economy)

Maximizes energy savings for over 8-hours operation on a battery charge.

### S-Mode (Standard)

Performance equivalent to DC motor powered vehicles.

### H-Mode (High Speed)

Maximum drive & lift speeds.

And thanks to our closed-loop speed feedback system, the ITC (Intelligent Torque Control) continuously monitors loads on the traction and hydraulic motors to maintain equivalent operating speeds whether truck is loaded or unloaded. This allows the operator to optimize operational efficiencies thereby maximizing the productivity equation.



### AC MOTORS

...control Drive Hydraulic and Steering functions. Utilizes 3 inverters to convert current in the truck battery to smooth, precise and productive

operation. Hydraulic motor and twin drive motors are brushless making them virtually maintenance free.



### AC CONTROLLER

...consists of 3 independent power modules directly linked to drive, hydraulic and steering functions with a main logic controller board that manages,

directs and monitors every operating system on the truck. Permits programmable adjustments to operating functions for customized truck performance. Provides both run-time and trouble shooting diagnostic capability.

# Intelligent Instrument and Control Panels ...at the head of the class!



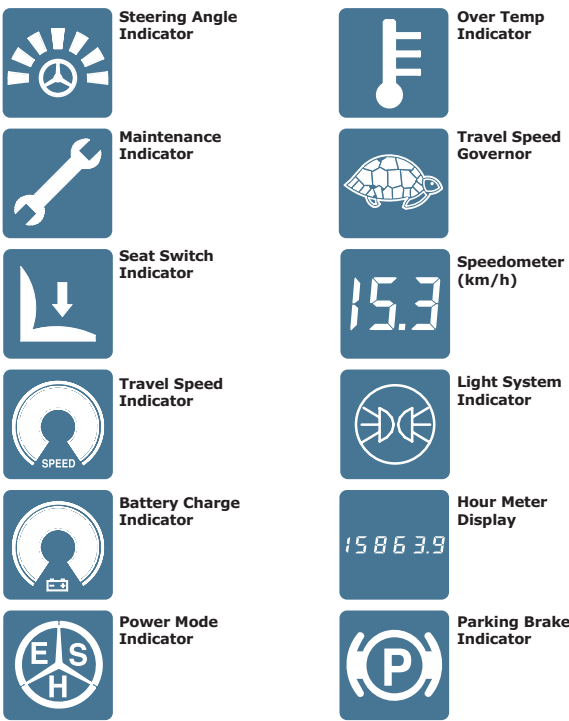
The combination of LED displays and 7-digit graphic LCD display intelligently provides operators with all the information they need, including operational information, diagnostics, and programmable settings. The 4 display buttons offers a choice of four power modes; heavy duty, standard duty, economic duty and slow travel speed mode. Standard instrument images are displayed at the right.



### AC CONTROLLER

The Command Center of the PRO 5 Series is our AC Controller consisting of a main logic board and three independent power modules with direct links to each drive motor and the hydraulic motor. This control unit regulates and monitors the following functions :

- ✓ Anti-Roll Back and Anti-Roll Down with adjustable ramp stop time
- ✓ Regenerative Braking
- ✓ Electrically Assisted Braking
- ✓ Static Return to Off (SRO)
- ✓ Drive Speed Compensation (Load/Unload)
- ✓ Drive Speed Acceleration/Deceleration/Reduction
- ✓ Continuous Lift Speed Control/ Pump Motor Speed Compensation
- ✓ Battery Discharge Indicator with Adjustable Reset Value
- ✓ Over Temperature Protection for power modules and Motors
- ✓ Low and High Voltage Limit
- ✓ Diagnostics and Stored Error Codes
- ✓ Power Line Fault Detection (Fuse/Contactor)
- ✓ Continuous Temperature Measuring (Controller, Motor)
- ✓ Full Protection against Short or Open Circuits





Doosan Infracore  
Forklifts

# Electric Powered Forklifts

B15T / B18T / B20T - 5

Capacity Range 3000 - 4000lb 3 Wheel, 36 and 48 volt

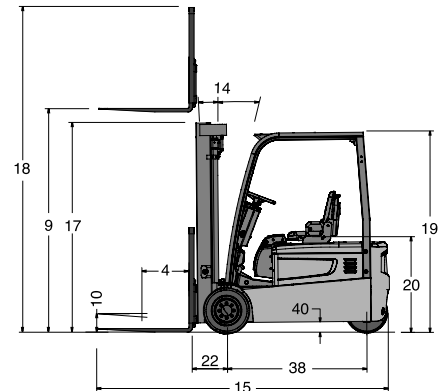
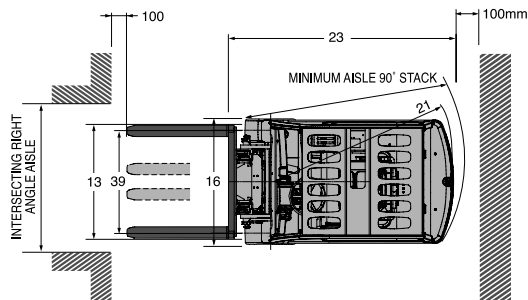
**PRO5**  
S E R I E S



# SPECIFICATIONS(36V AC TRUCK)

| CHARACTERISTICS | 2  | Model                                                                             |                                 |           | B15T                                  | B18T                                  | B20T                                  |
|-----------------|----|-----------------------------------------------------------------------------------|---------------------------------|-----------|---------------------------------------|---------------------------------------|---------------------------------------|
|                 | 3  | Load Capacity                                                                     | at rated load center            | lb(kg)    | 3000(1500)                            | 3500(1750)                            | 4000(2000)                            |
|                 | 4  | Load Center                                                                       |                                 | in(mm)    | 24(500)                               | 24(500)                               | 24(500)                               |
|                 | 5  | Power Type                                                                        |                                 |           | Electric                              | Electric                              | Electric                              |
|                 | 6  | Operator Type                                                                     |                                 |           | Driver Seated                         | Driver Seated                         | Driver Seated                         |
|                 | 7  | Tire Type                                                                         | E : Solid Soft, C : Cushion     |           | E, C                                  | E, C                                  | E, C                                  |
|                 | 8  | Wheels (x=Driven)                                                                 |                                 |           | 2x / 2                                | 2x / 2                                | 2x / 2                                |
|                 | 9  | Max. Fork Height                                                                  | with STD 2-stage mast           | in(mm)    | 130(3300)                             | 130(3300)                             | 130(3300)                             |
| DIMENSIONS      | 10 | Free Lift                                                                         |                                 | in(mm)    | 5.1(130)                              | 5.1(130)                              | 5.3(135)                              |
|                 | 12 | Fork Carriage                                                                     | ISO Class                       |           |                                       |                                       |                                       |
|                 | 13 | Forks                                                                             | Thickness × Width × Length      | in(mm)    | 1.4 × 3.9 × 41.3<br>(35 × 100 × 1050) | 1.4 × 3.9 × 41.3<br>(35 × 100 × 1050) | 1.6 × 3.9 × 41.3<br>(40 × 100 × 1050) |
|                 |    |                                                                                   | Fork Spacing(Min / Max)         | in(mm)    | 9.5 × 35.6(240 × 905)                 | 9.5 × 35.6(240 × 905)                 | 9.5 × 35.6(240 × 905)                 |
|                 | 14 | Tilt of Mast                                                                      | Forward / Backward              | deg       | 5 / 7                                 | 5 / 7                                 | 5 / 7                                 |
|                 | 15 | Overall Dimensions                                                                | Length to Fork Face             | in(mm)    | 73.5(1868)                            | 78.8(2001)                            | 79.0(2006)                            |
|                 | 16 |                                                                                   | Overall Width                   | in(mm)    | 42.9(1090)                            | 42.9(1090)                            | 42.9(1090)                            |
|                 | 17 |                                                                                   | Mast Lowered Height             | in(mm)    | 78.7(2000)                            | 78.7(2000)                            | 78.7(2000)                            |
|                 | 18 |                                                                                   | Mast Extended Height            | in(mm)    | 159.3(4045)                           | 159.3(4045)                           | 159.4(4050)                           |
|                 | 19 |                                                                                   | Overhead Guard Height           | in(mm)    | 83.5(2120)                            | 83.5(2120)                            | 83.5(2120)                            |
|                 | 20 |                                                                                   | Seat Height                     | in(mm)    | 36.2(919)                             | 36.2(919)                             | 36.2(919)                             |
|                 | 21 | Turning Radius                                                                    | Minimum outside                 | in(mm)    | 58.7(1492)                            | 64.0(1625)                            | 64.0(1625)                            |
|                 | 22 | Load Moment Center                                                                |                                 | in(mm)    | 14.8(376)                             | 14.8(376)                             | 15.0(381)                             |
|                 | 23 | Right Angle Stacking Aisle Width<br>With Pallets 32in × 48in / 40in × 48in[L × W] |                                 | in(mm)    | 139.6 / 125.7<br>(3318 / 3194)        | 135.9 / 131<br>(3451 / 3327)          | 136 / 131.2<br>(3456 / 3332)          |
| PERFORMANCE     | 24 | Speed                                                                             | Travel, Loaded / Unloaded       | mph(km/h) | 8.7/8.7(14.0 / 14.0)                  | 8.7/8.7(14.0 / 14.0)                  | 8.7/8.7(14.0 / 14.0)                  |
|                 | 25 |                                                                                   | Lifting, Loaded / Unloaded      | fpm(mm/s) | 61/108(310 / 550)                     | 61/108(310 / 550)                     | 61/108(310 / 550)                     |
|                 | 26 |                                                                                   | Lowering, Loaded / Unloaded     | fpm(mm/s) | 98/88(500 / 450)                      | 98/88(500 / 450)                      | 98/88(500 / 450)                      |
|                 | 28 | Max. Drawbar Pull                                                                 | Loaded                          | lb(kg)    | 2733(1240)                            | 2734(1240)                            | 2734(1240)                            |
|                 | 30 | Max. Gradeability                                                                 | at 1.6 km/h, Loaded             | %         | 24                                    | 23                                    | 22                                    |
| WEIGHT          | 32 | Total Weight                                                                      | With minimum weight of battery  | lb(kg)    | 7024(3186)                            | 7297(3310)                            | 8084(3667)                            |
|                 | 33 | Axle Load, Loaded                                                                 | Front / Rear                    | lb(kg)    | 9021 / 1310(4092 / 594)               | 9844 / 1312(4465 / 595)               | 11028 / 1466(5002 / 665)              |
|                 | 34 | Axle Load, Unloaded                                                               | Front / Rear                    | lb(kg)    | 3450 / 2574(1565 / 1621)              | 3596 / 3702(1631 / 1679)              | 3869 / 4215(1755 / 1912)              |
| CHASSIS         | 35 | Tires                                                                             | Number of wheels (Front / Rear) |           | 2 / 2                                 | 2 / 2                                 | 2 / 2                                 |
|                 | 36 |                                                                                   | Size, Front                     |           | 18 × 7 × 12.12                        | 18 × 7 × 12.12                        | 18 × 7 × 12.12                        |
|                 | 37 |                                                                                   | Size, Rear                      |           | 15 × 6 × 11.25                        | 15 × 6 × 11.25                        | 15 × 6 × 11.25                        |
|                 | 38 | Wheel Base                                                                        | Distance                        | in(mm)    | 49.8(1264)                            | 55(1397)                              | 55(1397)                              |
|                 | 39 | Tread Width                                                                       | Front                           | in(mm)    | 35.5(902)                             | 35.5(902)                             | 35.5(902)                             |
|                 |    |                                                                                   | Rear                            | in(mm)    | 7.8(198)                              | 7.8(198)                              | 7.8(198)                              |
|                 | 40 | Ground Clearance                                                                  | Loaded at lowest                | in(mm)    | 3.4(86)                               | 3.4(86)                               | 3.4(86)                               |
|                 |    |                                                                                   | at center of wheelbase          | in(mm)    | 3.9(100)                              | 3.9(100)                              | 3.9(100)                              |
|                 | 42 | Brakes                                                                            | Service                         |           | Hydraulic                             | Hydraulic                             | Hydraulic                             |
|                 | 43 |                                                                                   | Parking                         |           | Mechanical                            | Mechanical                            | Mechanical                            |
| POWER TRAIN     | 45 | Battery                                                                           | Type                            |           | Lead-acid                             | Lead-acid                             | Lead-acid                             |
|                 |    |                                                                                   | Voltage / Capacity(Max)         | V/AH      | 36 / 880                              | 36 / 1100                             | 36 / 1100                             |
|                 |    |                                                                                   | Minimum Weight                  | lb(kg)    | 1543(700)                             | 1764(800)                             | 2315(1050)                            |
|                 | 47 | Electric Motors                                                                   | Drive Motor - 1Hour Rating      | hp(kW)    | 6.7(5.0) × 2                          | 6.7(5.0) × 2                          | 6.7(5.0) × 2                          |
|                 |    |                                                                                   | Hydraulic Motor - 20% Duty      | hp(kW)    | 16(12)                                | 16(12)                                | 16(12)                                |
|                 | 54 | Control Type                                                                      |                                 | type      | MOSFET Inverter                       | MOSFET Inverter                       | MOSFET Inverter                       |
|                 | 55 | Transfer                                                                          | Brake Type                      | type      | ODB                                   | ODB                                   | ODB                                   |
|                 | 57 | Relief Pressure                                                                   | Lift                            | psi(kpa)  | 2870(19800)                           | 2870(19800)                           | 3125(21550)                           |
|                 |    |                                                                                   | Attachment                      | psi(kpa)  | 2030(14000)                           | 2030(14000)                           | 2030(14000)                           |

## Dimensional drawings

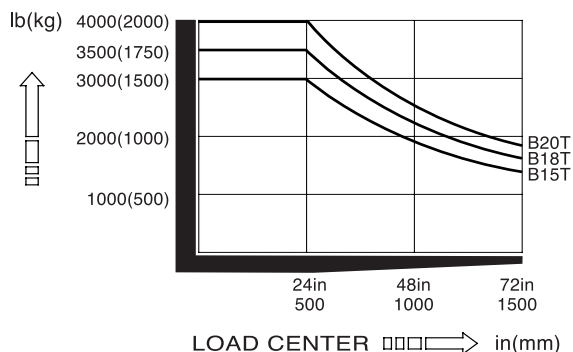


# SPECIFICATIONS(48V AC TRUCK)

| CHARACTERISTICS | 2  | Model                                                                             |                                 |           | B15T                                 | B18T                                 | B20T                                 |
|-----------------|----|-----------------------------------------------------------------------------------|---------------------------------|-----------|--------------------------------------|--------------------------------------|--------------------------------------|
|                 | 3  | Load Capacity                                                                     | at rated load center            | lb(kg)    | 3000(1500)                           | 3500(1750)                           | 4000(2000)                           |
|                 | 4  | Load Center                                                                       |                                 | in(mm)    | 24(500)                              | 24(500)                              | 24(500)                              |
|                 | 5  | Power Type                                                                        |                                 |           | Electric                             | Electric                             | Electric                             |
|                 | 6  | Operator Type                                                                     |                                 |           | Driver Seated                        | Driver Seated                        | Driver Seated                        |
|                 | 7  | Tire Type                                                                         | E : Solid Soft, C : Cushion     |           | E, C                                 | E, C                                 | E, C                                 |
|                 | 8  | Wheels (x=Driven)                                                                 |                                 |           | 2x / 2                               | 2x / 2                               | 2x / 2                               |
|                 | 9  | Max. Fork Height                                                                  | with STD 2-stage mast           | in(mm)    | 130(3300)                            | 130(3300)                            | 130(3300)                            |
| DIMENSIONS      | 10 | Free Lift                                                                         |                                 | in(mm)    | 5.1(130)                             | 5.1(130)                             | 5.3(135)                             |
|                 | 12 | Fork Carriage                                                                     | ISO Class                       |           |                                      |                                      |                                      |
|                 | 13 | Forks                                                                             | Thickness × Width × Length      | in(mm)    | 1.4 × 3.9 × 35.4<br>(35 × 100 × 900) | 1.4 × 3.9 × 35.4<br>(35 × 100 × 900) | 1.6 × 3.9 × 35.4<br>(40 × 100 × 900) |
|                 |    |                                                                                   | Fork Spacing(Min / Max)         | in(mm)    | 9.5 × 35.6(240 × 905)                | 9.5 × 35.6(240 × 905)                | 9.5 × 35.6(240 × 905)                |
|                 | 14 | Tilt of Mast                                                                      | Forward / Backward              | deg       | 5 / 7                                | 5 / 7                                | 5 / 7                                |
|                 | 15 | Overall Dimensions                                                                | Length to Fork Face             | in(mm)    | 73.5(1868)                           | 78.8(2001)                           | 79.0(2006)                           |
|                 | 16 |                                                                                   | Overall Width                   | in(mm)    | 42.9(1090)                           | 42.9(1090)                           | 42.9(1090)                           |
|                 | 17 |                                                                                   | Mast Lowered Height             | in(mm)    | 84.6(2150)                           | 84.6(2150)                           | 84.6(2150)                           |
|                 | 18 |                                                                                   | Mast Extended Height            | in(mm)    | 4345(171.1)                          | 4345(171.1)                          | 4350(171.3)                          |
|                 | 19 |                                                                                   | Overhead Guard Height           | in(mm)    | 83.4(2118)                           | 83.4(2118)                           | 83.4(2118)                           |
|                 | 20 |                                                                                   | Seat Height                     | in(mm)    | 919(36.2)                            | 919(36.2)                            | 919(36.2)                            |
|                 | 21 | Turning Radius                                                                    | Minimum outside                 | in(mm)    | 58.7(1492)                           | 64.0(1625)                           | 64.0(1625)                           |
|                 | 22 | Load Moment Center                                                                |                                 | in(mm)    | 14.8(376)                            | 14.8(376)                            | 15.0(381)                            |
|                 | 23 | Right Angle Stacking Aisle Width<br>With Pallets 32in × 48in / 40in × 48in[L × W] |                                 | in(mm)    | 139.6 / 125.7<br>(3318 / 3194)       | 135.9 / 131<br>(3451 / 3327)         | 136 / 131.2<br>(3456 / 3332)         |
| PERFORMANCE     | 24 | Speed                                                                             | Travel, Loaded / Unloaded       | mph(km/h) | 10.6 / 10.6(17.0 / 17.0)             | 10.6 / 10.6(17.0 / 17.0)             | 10.6 / 10.6(17.0 / 17.0)             |
|                 | 25 |                                                                                   | Lifting, Loaded / Unloaded      | fpm(mm/s) | 78.7 / 118.1(400 / 600)              | 78.7 / 118.1(400 / 600)              | 78.7 / 118.1(400 / 600)              |
|                 | 26 |                                                                                   | Lowering, Loaded / Unloaded     | fpm(mm/s) | 98 / 88(500 / 450)                   | 98 / 88(500 / 450)                   | 98 / 88(500 / 450)                   |
|                 | 28 | Max. Drawbar Pull                                                                 | Loaded                          | lb(kg)    | 2866(1300)                           | 2866(1300)                           | 2866(1300)                           |
|                 | 30 | Max. Gradeability                                                                 | at 1.6 km/h, Loaded             | %         | 26                                   | 25                                   | 24                                   |
| WEIGHT          | 32 | Total Weight                                                                      | with minimum weight of battery  | lb(kg)    | 6859(3111)                           | 7134(3236)                           | 7932(3598)                           |
|                 | 33 | Axle Load, Loaded                                                                 | Front / Rear                    | lb(kg)    | 8938 / 1228(4054 / 557)              | 9760 / 1232(4427 / 559)              | 10955 / 1387(4969 / 629)             |
|                 | 34 | Axle Load, Unloaded                                                               | Front / Rear                    | lb(kg)    | 3364 / 3494(1526 / 1585)             | 3510 / 3634(1592 / 1644)             | 3796 / 4136(1722 / 1876)             |
| CHASSIS         | 35 | Tires                                                                             | Number of wheels (Front / Rear) |           | 2 / 2                                | 2 / 2                                | 2 / 2                                |
|                 | 36 |                                                                                   | Size, Front                     |           | 18 × 7-8                             | 18 × 7-8                             | 200 × 50-10                          |
|                 | 37 |                                                                                   | Size, Rear                      |           | 15 × 4.5-8                           | 15 × 4.5-8                           | 16 × 6-8                             |
|                 | 38 | Wheel Base                                                                        | Distance                        | in(mm)    | 49.8(1264)                           | 55(1397)                             | 55(1397)                             |
|                 | 39 | Tread Width                                                                       | Front                           | in(mm)    | 35.5(902)                            | 35.5(902)                            | 35.5(902)                            |
|                 |    |                                                                                   | Rear                            | in(mm)    | 6.6(167)                             | 6.6(167)                             | 7.9(201)                             |
|                 | 40 | Ground Clearance                                                                  | Loaded at lowest                | in(mm)    | 3.4(86)                              | 3.4(86)                              | 3.4(86)                              |
|                 |    |                                                                                   | at center of wheelbase          | in(mm)    | 3.9(100)                             | 3.9(100)                             | 3.9(100)                             |
|                 | 42 | Brakes                                                                            | Service                         |           | Hydraulic                            | Hydraulic                            | Hydraulic                            |
|                 | 43 |                                                                                   | Parking                         |           | Mechanical                           | Mechanical                           | Mechanical                           |
| POWER TRAIN     | 45 | Battery                                                                           | Type                            |           | Lead-acid                            | Lead-acid                            | Lead-acid                            |
|                 |    |                                                                                   | Voltage / Capacity(Max)         | V/AH      | 48 / 550                             | 48 / 770                             | 48 / 770                             |
|                 |    |                                                                                   | Minimum Weight                  | lb(kg)    | 1543(700)                            | 1764(800)                            | 2315(1050)                           |
|                 | 47 | Electric Motors                                                                   | Drive Motor - 1Hour Rating      | hp(kW)    | 6.7(5.0) × 2                         | 6.7(5.0) × 2                         | 6.7(5.0) × 2                         |
|                 |    |                                                                                   | Hydraulic Motor - 20% Duty      | hp(kW)    | 16(12)                               | 16(12)                               | 16(12)                               |
|                 | 54 | Control Type                                                                      |                                 | type      | MOSFET Inverter                      | MOSFET Inverter                      | MOSFET Inverter                      |
|                 | 55 | Transfer                                                                          | Brake Type                      | type      | ODB                                  | ODB                                  | ODB                                  |
|                 | 57 | Relief Pressure                                                                   | Lift                            | psi(kpa)  | 2870(19800)                          | 2870(19800)                          | 3125(21550)                          |
|                 |    |                                                                                   | Attachment                      | psi(kpa)  | 2030(14000)                          | 2030(14000)                          | 2030(14000)                          |

## 3,000 ~ 4,000lb (1,500 ~ 2,000kg) 3 Wheel Electric Powered Lift Trucks

### LOAD CAPACITY CHART



### Standard equipment

36 Volt or 48 Volt electric chassis with AC system  
 Battery connector  
 Tires  
 3-section valves with 2-levers  
 Seat  
 130in(3300mm) STD 2-stage mast  
 Without battery & charger

Tilt cylinder (5 deg.fwd/7 deg.bwd)  
 Carriage  
 Load backrest  
 35.4in(900mm) fork

### A standard chassis includes :

36 Volt or 48 Volt electric system  
 Oil-cooled Disc Brake  
 Power steering  
 AC(Alternating Current) control panel  
 Tilt steering wheel  
 2 Front flood lights  
 DC/DC converter

# MAST SPECIFICATIONS

## B15T (36V / 48V)

| Mast Type | Maximum Fork Height |      | Fully Lowered Height |      | Fully Extended Height |      |                   |      | Free Lift          |      |                   |      | Solid Soft Tire |         |                 |            | Cushion Tire |         |                 |            |
|-----------|---------------------|------|----------------------|------|-----------------------|------|-------------------|------|--------------------|------|-------------------|------|-----------------|---------|-----------------|------------|--------------|---------|-----------------|------------|
|           |                     |      |                      |      | With Load Backrest    |      | W/O Load Backrest |      | With Load Backrest |      | W/O Load Backrest |      | Tilt Angle      |         | Load Capacities |            | Tilt Angle   |         | Load Capacities |            |
|           | in                  | mm   | in                   | mm   | in                    | mm   | in                | mm   | in                 | mm   | in                | mm   | FWD deg         | BWD deg | LC24in lb       | LC500mm kg | FWD deg      | BWD deg | LC24in lb       | LC500mm kg |
| STD       | 118                 | 3000 | 78.7                 | 2000 | 159.3                 | 4045 | 141.7             | 3600 | 5.1                | 130  | 5.1               | 130  | 5               | 7       | 3000            | 1500       | 5            | 7       | 3000            | 1500       |
| STD       | 130                 | 3300 | 84.6                 | 2150 | 171.1                 | 4345 | 153.5             | 3900 | 5.1                | 130  | 5.1               | 130  | 5               | 7       | 3000            | 1500       | 5            | 7       | 3000            | 1500       |
| STD       | 138                 | 3500 | 88.6                 | 2250 | 178.9                 | 4545 | 161.4             | 4100 | 5.1                | 130  | 5.1               | 130  | 5               | 7       | 3000            | 1500       | 5            | 7       | 3000            | 1500       |
| STD       | 146                 | 3700 | 92.5                 | 2350 | 186.8                 | 4745 | 169.3             | 4300 | 5.1                | 130  | 5.1               | 130  | 5               | 7       | 3000            | 1500       | 5            | 7       | 3000            | 1500       |
| STD       | 157                 | 4000 | 100.4                | 2550 | 198.6                 | 5045 | 181.1             | 4600 | 5.1                | 130  | 5.1               | 130  | 5               | 7       | 2950            | 1500       | 5            | 7       | 3000            | 1500       |
| STD       | 177                 | 4500 | 110.2                | 2800 | 218.3                 | 5545 | 200.8             | 5100 | 5.1                | 130  | 5.1               | 130  | 5               | 7       | 2850            | 1425       | 5            | 7       | 2900            | 1450       |
| FF        | 106                 | 2700 | 72.8                 | 1850 | 147.4                 | 3745 | 130.9             | 3325 | 33.3               | 845  | 49.8              | 1265 | 5               | 5       | 3000            | 1500       | 5            | 5       | 3000            | 1500       |
| FF        | 118                 | 3000 | 78.7                 | 2000 | 159.3                 | 4045 | 142.7             | 3625 | 39.2               | 995  | 55.7              | 1415 | 5               | 5       | 3000            | 1500       | 5            | 5       | 3000            | 1500       |
| FF        | 130                 | 3300 | 84.6                 | 2150 | 171.1                 | 4345 | 154.5             | 3925 | 45.1               | 1145 | 61.6              | 1565 | 5               | 5       | 3000            | 1500       | 5            | 5       | 3000            | 1500       |
| FFT       | 157                 | 4000 | 74.0                 | 1880 | 198.8                 | 5050 | 182.3             | 4630 | 34.4               | 875  | 51.0              | 1295 | 5               | 5       | 2900            | 1450       | 5            | 5       | 2950            | 1475       |
| FFT       | 177                 | 4500 | 80.5                 | 2045 | 218.3                 | 5545 | 201.8             | 5125 | 40.9               | 1040 | 57.5              | 1460 | 5               | 5       | 2800            | 1400       | 5            | 5       | 2850            | 1425       |
| FFT       | 187                 | 4750 | 83.9                 | 2130 | 228.1                 | 5795 | 211.6             | 5375 | 44.3               | 1125 | 60.8              | 1545 | 5               | 5       | 2700            | 1350       | 5            | 5       | 2750            | 1375       |
| FFT       | 197                 | 5000 | 88.4                 | 2245 | 238.0                 | 6045 | 221.5             | 5625 | 48.8               | 1240 | 65.4              | 1660 | 5               | 5       | 2600            | 1300       | 5            | 5       | 2700            | 1350       |
| FFT       | 217                 | 5500 | 97.6                 | 2480 | 257.9                 | 6550 | 241.3             | 6130 | 58.1               | 1475 | 74.6              | 1895 | 5               | 5       | 1850            | 975        | 5            | 5       | 2550            | 1275       |
| FFT       | 236                 | 6000 | 104.1                | 2645 | 277.4                 | 7045 | 260.8             | 6625 | 64.6               | 1640 | 81.1              | 2060 | 5               | 5       | 1200            | 650        | 5            | 5       | 2450            | 1225       |

## B18T (36V / 48V)

| Mast Type | Maximum Fork Height |      | Fully Lowered Height |      | Fully Extended Height |      |                   |      | Free Lift          |      |                   |      | Solid Soft Tire |         |                 |            | Cushion Tire |         |                 |            |
|-----------|---------------------|------|----------------------|------|-----------------------|------|-------------------|------|--------------------|------|-------------------|------|-----------------|---------|-----------------|------------|--------------|---------|-----------------|------------|
|           |                     |      |                      |      | With Load Backrest    |      | W/O Load Backrest |      | With Load Backrest |      | W/O Load Backrest |      | Tilt Angle      |         | Load Capacities |            | Tilt Angle   |         | Load Capacities |            |
|           | in                  | mm   | in                   | mm   | in                    | mm   | in                | mm   | in                 | mm   | in                | mm   | FWD deg         | BWD deg | LC24in lb       | LC500mm kg | FWD deg      | BWD deg | LC24in lb       | LC500mm kg |
| STD       | 118                 | 3000 | 78.7                 | 2000 | 159.3                 | 4045 | 141.7             | 3600 | 5.1                | 130  | 5.1               | 130  | 5               | 7       | 3500            | 1750       | 5            | 7       | 3500            | 1750       |
| STD       | 130                 | 3300 | 84.6                 | 2150 | 171.1                 | 4345 | 153.5             | 3900 | 5.1                | 130  | 5.1               | 130  | 5               | 7       | 3500            | 1750       | 5            | 7       | 3500            | 1750       |
| STD       | 138                 | 3500 | 88.6                 | 2250 | 178.9                 | 4545 | 161.4             | 4100 | 5.1                | 130  | 5.1               | 130  | 5               | 7       | 3500            | 1750       | 5            | 7       | 3500            | 1750       |
| STD       | 146                 | 3700 | 92.5                 | 2350 | 186.8                 | 4745 | 169.3             | 4300 | 5.1                | 130  | 5.1               | 130  | 5               | 7       | 3500            | 1750       | 5            | 7       | 3500            | 1750       |
| STD       | 157                 | 4000 | 100.4                | 2550 | 198.6                 | 5045 | 181.1             | 4600 | 5.1                | 130  | 5.1               | 130  | 5               | 7       | 3500            | 1750       | 5            | 7       | 3500            | 1750       |
| STD       | 177                 | 4500 | 110.2                | 2800 | 218.3                 | 5545 | 200.8             | 5100 | 5.1                | 130  | 5.1               | 130  | 5               | 7       | 3300            | 1650       | 5            | 7       | 3300            | 1650       |
| FF        | 106                 | 2700 | 72.8                 | 1850 | 147.4                 | 3745 | 130.9             | 3325 | 33.3               | 845  | 49.8              | 1265 | 5               | 5       | 3500            | 1750       | 5            | 5       | 3500            | 1750       |
| FF        | 118                 | 3000 | 78.7                 | 2000 | 159.3                 | 4045 | 142.7             | 3625 | 39.2               | 995  | 55.7              | 1415 | 5               | 5       | 3500            | 1750       | 5            | 5       | 3500            | 1750       |
| FF        | 130                 | 3300 | 84.6                 | 2150 | 171.1                 | 4345 | 154.5             | 3925 | 45.1               | 1145 | 61.6              | 1565 | 5               | 5       | 3500            | 1750       | 5            | 5       | 3500            | 1750       |
| FFT       | 157                 | 4000 | 74.0                 | 1880 | 198.8                 | 5050 | 182.3             | 4630 | 34.4               | 875  | 51.0              | 1295 | 5               | 5       | 3350            | 1700       | 5            | 5       | 3400            | 1700       |
| FFT       | 177                 | 4500 | 80.5                 | 2045 | 218.3                 | 5545 | 201.8             | 5125 | 40.9               | 1040 | 57.5              | 1460 | 5               | 5       | 3200            | 1650       | 5            | 5       | 3300            | 1650       |
| FFT       | 187                 | 4750 | 83.9                 | 2130 | 228.1                 | 5795 | 211.6             | 5375 | 44.3               | 1125 | 60.8              | 1545 | 5               | 3       | 3150            | 1575       | 5            | 5       | 3200            | 1625       |
| FFT       | 197                 | 5000 | 88.4                 | 2245 | 238.0                 | 6045 | 221.5             | 5625 | 48.8               | 1240 | 65.4              | 1660 | 5               | 3       | 3050            | 1525       | 5            | 5       | 3150            | 1575       |
| FFT       | 217                 | 5500 | 97.6                 | 2480 | 257.9                 | 6550 | 241.3             | 6130 | 58.1               | 1475 | 74.6              | 1895 | 5               | 3       | 2400            | 1250       | 5            | 5       | 3000            | 1500       |
| FFT       | 236                 | 6000 | 104.1                | 2645 | 277.4                 | 7045 | 260.8             | 6625 | 64.6               | 1640 | 81.1              | 2060 | 5               | 3       | 1650            | 875        | 5            | 5       | 2800            | 1400       |

## B20T (36V / 48V)

| Mast Type | Maximum Fork Height |      | Fully Lowered Height |      | Fully Extended Height |      |                   |      | Free Lift          |      |                   |      | Solid Soft Tire |         |                 |            | Cushion Tire |         |                 |            |
|-----------|---------------------|------|----------------------|------|-----------------------|------|-------------------|------|--------------------|------|-------------------|------|-----------------|---------|-----------------|------------|--------------|---------|-----------------|------------|
|           |                     |      |                      |      | With Load Backrest    |      | W/O Load Backrest |      | With Load Backrest |      | W/O Load Backrest |      | Tilt Angle      |         | Load Capacities |            | Tilt Angle   |         | Load Capacities |            |
|           | in                  | mm   | in                   | mm   | in                    | mm   | in                | mm   | in                 | mm   | in                | mm   | FWD deg         | BWD deg | LC24in lb       | LC500mm kg | FWD deg      | BWD deg | LC24in lb       | LC500mm kg |
| STD       | 118                 | 3000 | 78.7                 | 2000 | 159.4                 | 4050 | 141.9             | 3605 | 5.3                | 135  | 5.3               | 135  | 5               | 7       | 4000            | 2000       | 5            | 7       | 4000            | 2000       |
| STD       | 130                 | 3300 | 84.6                 | 2150 | 171.3                 | 4350 | 153.7             | 3905 | 5.3                | 135  | 5.3               | 135  | 5               | 7       | 4000            | 2000       | 5            | 7       | 4000            | 2000       |
| STD       | 138                 | 3500 | 88.6                 | 2250 | 179.1                 | 4550 | 161.6             | 4105 | 5.3                | 135  | 5.3               | 135  | 5               | 7       | 4000            | 2000       | 5            | 7       | 4000            | 2000       |
| STD       | 146                 | 3700 | 92.5                 | 2350 | 187.0                 | 4750 | 169.5             | 4305 | 5.3                | 135  | 5.3               | 135  | 5               | 7       | 4000            | 2000       | 5            | 7       | 4000            | 2000       |
| STD       | 157                 | 4000 | 100.4                | 2550 | 198.8                 | 5050 | 181.3             | 4605 | 5.3                | 135  | 5.3               | 135  | 5               | 7       | 4000            | 2000       | 5            | 7       | 4000            | 2000       |
| STD       | 177                 | 4500 | 110.2                | 2800 | 218.5                 | 5550 | 201.0             | 5105 | 5.3                | 135  | 5.3               | 135  | 5               | 7       | 3900            | 1950       | 5            | 7       | 4000            | 2000       |
| FF        | 106                 | 2700 | 72.8                 | 1850 | 147.6                 | 3750 | 131.1             | 3330 | 33.3               | 845  | 49.8              | 1265 | 5               | 5       | 4000            | 2000       | 5            | 5       | 4000            | 2000       |
| FF        | 118                 | 3000 | 78.7                 | 2000 | 159.4                 | 4050 | 142.9             | 3630 | 39.2               | 995  | 55.7              | 1415 | 5               | 5       | 4000            | 2000       | 5            | 5       | 4000            | 2000       |
| FF        | 130                 | 3300 | 84.6                 | 2150 | 171.3                 | 4350 | 154.7             | 3930 | 45.1               | 1145 | 61.6              | 1565 | 5               | 5       | 4000            | 2000       | 5            | 5       | 4000            | 2000       |
| FFT       | 157                 | 4000 | 74.0                 | 1880 | 199.0                 | 5055 | 182.5             | 4635 | 34.4               | 875  | 51.0              | 1295 | 5               | 5       | 3900            | 1950       | 5            | 5       | 4000            | 2000       |
| FFT       | 177                 | 4500 | 80.5                 | 2045 | 218.5                 | 5550 | 202.0             | 5130 | 40.9               | 1040 | 57.5              | 1460 | 5               | 5       | 3750            | 1875       | 5            | 5       | 3950            | 1975       |
| FFT       | 187                 | 4750 | 83.9                 | 2130 | 228.3                 | 5800 | 211.8             | 5380 | 44.3               | 1125 | 60.8              | 1545 | 5               | 5       | 3650            | 1825       | 5            | 5       | 3850            | 1925       |
| FFT       | 197                 | 5000 | 88.4                 | 2245 | 238.2                 | 6050 | 221.7             | 5630 | 48.8               | 1240 | 65.4              | 1660 | 5               | 5       | 3600            | 1800       | 5            | 5       | 3800            | 1900       |
| FFT       | 217                 | 5500 | 97.6                 | 2480 | 258.1                 | 6555 | 241.5             | 6135 | 58.1               | 1475 | 74.6              | 1895 | 5               | 5       | 3400            | 1700       | 5            | 5       | 3600            | 1800       |
| FFT       | 236                 | 6000 | 104.1                | 2645 | 277.6                 | 7050 | 261.0             | 6630 | 64.6               | 1640 | 81.1              | 2060 | 5               | 5       | 3150            | 1575       | 5            | 5       | 3150            | 1500       |

Note : These load capacities are based on the standard chassis without side shifter.

Specification values quoted in this catalog have been rounded.

DOOSAN products and specifications are subject to improvement and change without notice.

Performance may vary due to operating conditions.

The performance shown represents nominal values obtained under typical operating conditions.



**Doosan Infracore**  
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AUTHORIZED DEALER



**Doosan Infracore**  
Forklifts

# Electric Powered Forklifts

Capacity Range 3,000 - 4,000lb 4 Wheel

B16X - 5

B18X - 5

B20X - 5

## MAST SPECIFICATIONS AND RATED CAPACITIES

| Truck Model | Mast Type | Maximum Fork Height |      | Fully Lowered Height |      | Fully Extended Height |      |                   |      | Free Lift          |      |                   |      | Solid Soft Tire |                 |      |
|-------------|-----------|---------------------|------|----------------------|------|-----------------------|------|-------------------|------|--------------------|------|-------------------|------|-----------------|-----------------|------|
|             |           |                     |      |                      |      | With Load Backrest    |      | W/O Load Backrest |      | With Load Backrest |      | W/O Load Backrest |      | Tilt Angle      | Load Capacities |      |
|             |           | in                  | mm   | in                   | mm   | in                    | mm   | in                | mm   | in                 | mm   | in                | mm   | deg             | lb              | kg   |
| B16X        | STD       | 118                 | 3000 | 78.7                 | 2000 | 159.3                 | 4045 | 141.7             | 3600 | 5.1                | 130  | 5.1               | 130  | 7 / 7           | 3200            | 1600 |
|             | STD       | 130                 | 3300 | 84.6                 | 2150 | 171.1                 | 4345 | 153.5             | 3900 | 5.1                | 130  | 5.1               | 130  | 7 / 7           | 3200            | 1600 |
|             | STD       | 138                 | 3500 | 88.6                 | 2250 | 178.9                 | 4545 | 161.4             | 4100 | 5.1                | 130  | 5.1               | 130  | 7 / 7           | 3200            | 1600 |
|             | STD       | 146                 | 3700 | 92.5                 | 2350 | 186.8                 | 4745 | 169.3             | 4300 | 5.1                | 130  | 5.1               | 130  | 7 / 7           | 3200            | 1600 |
|             | STD       | 157                 | 4000 | 100.4                | 2550 | 198.6                 | 5045 | 181.1             | 4600 | 5.1                | 130  | 5.1               | 130  | 7 / 7           | 3200            | 1600 |
|             | STD       | 177                 | 4500 | 110.2                | 2800 | 218.3                 | 5545 | 200.8             | 5100 | 5.1                | 130  | 5.1               | 130  | 7 / 7           | 3200            | 1600 |
|             | FF        | 106                 | 2700 | 72.8                 | 1850 | 147.4                 | 3745 | 130.9             | 3325 | 33.3               | 845  | 49.8              | 1265 | 5 / 5           | 3200            | 1600 |
|             | FF        | 118                 | 3000 | 78.7                 | 2000 | 159.3                 | 4045 | 142.7             | 3625 | 39.2               | 995  | 55.7              | 1415 | 5 / 5           | 3200            | 1600 |
|             | FF        | 130                 | 3300 | 84.6                 | 2150 | 171.1                 | 4345 | 154.5             | 3925 | 45.1               | 1145 | 61.6              | 1565 | 5 / 5           | 3200            | 1600 |
|             | FFT       | 157                 | 4000 | 74.0                 | 1880 | 198.8                 | 5050 | 182.3             | 4630 | 34.4               | 875  | 51.0              | 1295 | 5 / 5           | 3200            | 1600 |
|             | FFT       | 177                 | 4500 | 80.5                 | 2045 | 218.3                 | 5545 | 201.8             | 5125 | 40.9               | 1040 | 57.5              | 1460 | 5 / 5           | 3100            | 1550 |
|             | FFT       | 187                 | 4750 | 83.9                 | 2130 | 228.1                 | 5795 | 211.6             | 5375 | 44.3               | 1125 | 60.8              | 1545 | 5 / 5           | 3000            | 1500 |
|             | FFT       | 197                 | 5000 | 88.4                 | 2245 | 238.0                 | 6045 | 221.5             | 5625 | 48.8               | 1240 | 65.4              | 1660 | 5 / 5           | 2900            | 1450 |
|             | FFT       | 217                 | 5500 | 97.6                 | 2480 | 257.9                 | 6550 | 241.3             | 6130 | 58.1               | 1475 | 74.6              | 1895 | 5 / 5           | 2700            | 1350 |
|             | FFT       | 236                 | 6000 | 104.1                | 2645 | 277.4                 | 7045 | 260.8             | 6625 | 64.6               | 1640 | 81.1              | 2060 | 5 / 5           | 2450            | 1250 |
| B18X        | STD       | 118                 | 3000 | 78.7                 | 2000 | 159.3                 | 4045 | 141.7             | 3600 | 5.1                | 130  | 5.1               | 130  | 5 / 7           | 3600            | 1800 |
|             | STD       | 130                 | 3300 | 84.6                 | 2150 | 171.1                 | 4345 | 153.5             | 3900 | 5.1                | 130  | 5.1               | 130  | 5 / 7           | 3600            | 1800 |
|             | STD       | 138                 | 3500 | 88.6                 | 2250 | 178.9                 | 4545 | 161.4             | 4100 | 5.1                | 130  | 5.1               | 130  | 5 / 7           | 3600            | 1800 |
|             | STD       | 146                 | 3700 | 92.5                 | 2350 | 186.8                 | 4745 | 169.3             | 4300 | 5.1                | 130  | 5.1               | 130  | 5 / 7           | 3600            | 1800 |
|             | STD       | 157                 | 4000 | 100.4                | 2550 | 198.6                 | 5045 | 181.1             | 4600 | 5.1                | 130  | 5.1               | 130  | 5 / 7           | 3600            | 1800 |
|             | STD       | 177                 | 4500 | 110.2                | 2800 | 218.3                 | 5545 | 200.8             | 5100 | 5.1                | 130  | 5.1               | 130  | 5 / 7           | 3400            | 1700 |
|             | FF        | 106                 | 2700 | 72.8                 | 1850 | 147.4                 | 3745 | 130.9             | 3325 | 33.3               | 845  | 49.8              | 1265 | 5 / 5           | 3600            | 1800 |
|             | FF        | 118                 | 3000 | 78.7                 | 2000 | 159.3                 | 4045 | 142.7             | 3625 | 39.2               | 995  | 55.7              | 1415 | 5 / 5           | 3600            | 1800 |
|             | FF        | 130                 | 3300 | 84.6                 | 2150 | 171.1                 | 4345 | 154.5             | 3925 | 45.1               | 1145 | 61.6              | 1565 | 5 / 5           | 3600            | 1800 |
|             | FFT       | 157                 | 4000 | 74.0                 | 1880 | 198.8                 | 5050 | 182.3             | 4630 | 34.4               | 875  | 51.0              | 1295 | 5 / 5           | 3600            | 1800 |
|             | FFT       | 177                 | 4500 | 80.5                 | 2045 | 218.3                 | 5545 | 201.8             | 5125 | 40.9               | 1040 | 57.5              | 1460 | 5 / 5           | 3500            | 1750 |
|             | FFT       | 187                 | 4750 | 83.9                 | 2130 | 228.1                 | 5795 | 211.6             | 5375 | 44.3               | 1125 | 60.8              | 1545 | 5 / 5           | 3200            | 1600 |
|             | FFT       | 197                 | 5000 | 88.4                 | 2245 | 238.0                 | 6045 | 221.5             | 5625 | 48.8               | 1240 | 65.4              | 1660 | 5 / 5           | 3150            | 1550 |
|             | FFT       | 217                 | 5500 | 97.6                 | 2480 | 257.9                 | 6550 | 241.3             | 6130 | 58.1               | 1475 | 74.6              | 1895 | 5 / 5           | 2950            | 1475 |
|             | FFT       | 236                 | 6000 | 104.1                | 2645 | 277.4                 | 7045 | 260.8             | 6625 | 64.6               | 1640 | 81.1              | 2060 | 5 / 5           | 2750            | 1350 |
| B20X        | STD       | 118                 | 3000 | 78.7                 | 2000 | 159.4                 | 4050 | 141.9             | 3605 | 5.3                | 135  | 5.3               | 135  | 5 / 7           | 4000            | 2000 |
|             | STD       | 130                 | 3300 | 84.6                 | 2150 | 171.3                 | 4350 | 153.7             | 3905 | 5.3                | 135  | 5.3               | 135  | 5 / 7           | 4000            | 2000 |
|             | STD       | 138                 | 3500 | 88.6                 | 2250 | 179.1                 | 4550 | 161.6             | 4105 | 5.3                | 135  | 5.3               | 135  | 5 / 7           | 4000            | 2000 |
|             | STD       | 146                 | 3700 | 92.5                 | 2350 | 187.0                 | 4750 | 169.5             | 4305 | 5.3                | 135  | 5.3               | 135  | 5 / 7           | 4000            | 2000 |
|             | STD       | 157                 | 4000 | 100.4                | 2550 | 198.8                 | 5050 | 181.3             | 4605 | 5.3                | 135  | 5.3               | 135  | 5 / 7           | 4000            | 2000 |
|             | STD       | 177                 | 4500 | 110.2                | 2800 | 218.5                 | 5550 | 201.0             | 5105 | 5.3                | 135  | 5.3               | 135  | 5 / 7           | 3800            | 1900 |
|             | FF        | 106                 | 2700 | 72.8                 | 1850 | 147.6                 | 3750 | 131.1             | 3330 | 33.3               | 845  | 49.8              | 1265 | 5 / 5           | 4000            | 2000 |
|             | FF        | 118                 | 3000 | 78.7                 | 2000 | 159.4                 | 4050 | 142.9             | 3630 | 39.2               | 995  | 55.7              | 1415 | 5 / 5           | 4000            | 2000 |
|             | FF        | 130                 | 3300 | 84.6                 | 2150 | 171.3                 | 4350 | 154.7             | 3930 | 45.1               | 1145 | 61.6              | 1565 | 5 / 5           | 4000            | 2000 |
|             | FFT       | 157                 | 4000 | 74.0                 | 1880 | 199.0                 | 5055 | 182.5             | 4635 | 34.4               | 875  | 51.0              | 1295 | 5 / 5           | 3800            | 1900 |
|             | FFT       | 177                 | 4500 | 80.5                 | 2045 | 218.5                 | 5550 | 202.0             | 5130 | 40.9               | 1040 | 57.5              | 1460 | 5 / 5           | 3800            | 1900 |
|             | FFT       | 187                 | 4750 | 83.9                 | 2130 | 228.3                 | 5800 | 211.8             | 5380 | 44.3               | 1125 | 60.8              | 1545 | 5 / 5           | 3600            | 1800 |
|             | FFT       | 197                 | 5000 | 88.4                 | 2245 | 238.2                 | 6050 | 221.7             | 5630 | 48.8               | 1240 | 65.4              | 1660 | 5 / 5           | 3500            | 1725 |
|             | FFT       | 217                 | 5500 | 97.6                 | 2480 | 258.1                 | 6555 | 241.5             | 6135 | 58.1               | 1475 | 74.6              | 1895 | 5 / 5           | 3200            | 1650 |
|             | FFT       | 236                 | 6000 | 104.1                | 2645 | 277.6                 | 7050 | 261.0             | 6630 | 64.6               | 1640 | 81.1              | 2060 | 5 / 5           | 3000            | 1500 |

Note : These load capacities are based on the standard chassis without side shifter.

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The performance shown represents nominal values obtained under typical operating conditions.

### ■ Standard equipment

48 Volt electric chassis with AC system

Battery connector

Tires

3-section valve with 2-levers

Seat

3300mm STD 2-stage mast

Tilt cylinder (5 deg.fwd / 7 deg.back)

Carriage

Load backrest

900mm fork

Without battery & charger

### ■ A standard chassis includes

48 Volt electrical system

Oil-cooled Disc Brake

Power steering

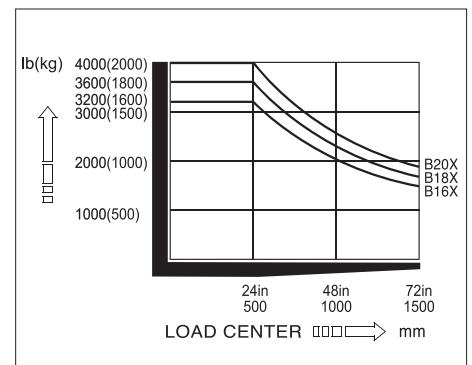
AC(Alternative Current) control panel

Tilt steering wheel

2 Front floodlights

DC/DC converter

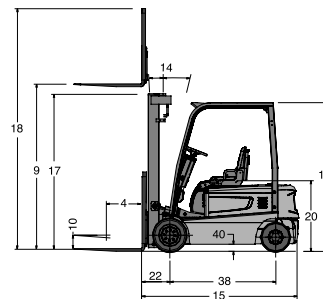
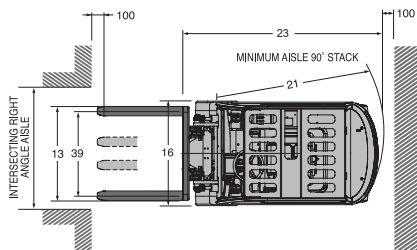
### ■ LOAD CAPACITY CHART



## SPECIFICATIONS(48V AC TRUCK)

| CHARACTERISTICS | 2  | Model                                                                            |                                 |            | B16X                             | B18X                             | B20X                             |
|-----------------|----|----------------------------------------------------------------------------------|---------------------------------|------------|----------------------------------|----------------------------------|----------------------------------|
|                 | 3  | Load Capacity                                                                    | at rated load center            | lb(kg)     | 3000(1600)                       | 3500(1800)                       | 4000(2000)                       |
|                 | 4  | Load Center                                                                      |                                 | in(mm)     | 24(500)                          | 24(500)                          | 24(500)                          |
|                 | 5  | Power Type                                                                       |                                 |            | Electric                         | Electric                         | Electric                         |
|                 | 6  | Operator Type                                                                    |                                 |            | Driver Seated                    | Driver Seated                    | Driver Seated                    |
|                 | 7  | Tire Type                                                                        | E : Solid Soft, C : Cushion     |            | E                                | E                                | E                                |
|                 | 8  | Wheels (x=Driven)                                                                |                                 |            | 2x / 2                           | 2x / 2                           | 2x / 2                           |
|                 | 9  | Max. Fork Height                                                                 | with STD 2-stage mast           | in(mm)     | 130(3300)                        | 130(3300)                        | 130(3300)                        |
| DIMENSIONS      | 10 | Free Lift                                                                        |                                 | in(mm)     | 5.1(130)                         | 5.1(130)                         | 5.1(135)                         |
|                 | 12 | Fork Carriage                                                                    | ISO Class                       |            |                                  |                                  |                                  |
|                 | 13 | Forks                                                                            | Thickness × Width × Length      | in(mm)     | 1.4 × 3.9 × 35.4(35 × 100 × 900) | 1.4 × 3.9 × 35.4(35 × 100 × 900) | 1.6 × 3.9 × 35.4(40 × 100 × 900) |
|                 |    |                                                                                  | Fork Spacing(Min / Max)         | in(mm)     | 240 / 905                        | 240 / 905                        | 240 / 905                        |
|                 | 14 | Tilt of Mast                                                                     | Forward / Backward              | deg        | 5 / 7                            | 5 / 7                            | 5 / 7                            |
|                 | 15 | Overall Dimensions                                                               | Length to Fork Face             | in(mm)     | 82.4(2093)                       | 82.4(2093)                       | 82.6(2098)                       |
|                 | 16 |                                                                                  | Overall Width                   | in(mm)     | 42.9(1090)                       | 42.9(1090)                       | 44.1(1119)                       |
|                 | 17 |                                                                                  | Mast Lowered Height             | in(mm)     | 84.6(2150)                       | 84.6(2150)                       | 84.6(2150)                       |
|                 | 18 |                                                                                  | Mast Extended Height            | in(mm)     | 171.1(4345)                      | 171.1(4345)                      | 171.3(4350)                      |
|                 | 19 |                                                                                  | Overhead Guard Height           | in(mm)     | 78.2(1985)                       | 78.2(1985)                       | 78.2(1985)                       |
|                 | 20 |                                                                                  | Seat Height                     | in(mm)     | 36.2(919)                        | 36.2(919)                        | 36.2(919)                        |
|                 | 21 | Turning Radius                                                                   | Minimum outside                 | in(mm)     | 77.0(1955)                       | 77.0(1955)                       | 77.0(1955)                       |
|                 | 22 | Load Moment Center                                                               |                                 | in(mm)     | 14.8(376)                        | 14.8(376)                        | 15.0(381)                        |
|                 | 23 | Right Angle Stacking Aisle Width<br>With Pallets 1200 × 800 / 1000 × 1200[L × W] |                                 | in<br>(mm) | 146.9 / 139.0<br>(3731 / 3531)   | 146.9 / 139.0<br>(3731 / 3531)   | 147.1/139.2<br>(3736 / 3536)     |
| PERFORMANCE     | 24 | Speed                                                                            | Travel, Loaded / Unloaded       | mph(km/h)  | 10.6 / 10.6(17 / 17)             | 10.6 / 10.6(17 / 17)             | 10.6 / 10.6(17 / 17)             |
|                 | 25 |                                                                                  | Lifting, Loaded / Unloaded      | fpm(mm/s)  | 78.5 / 117.8(400 / 600)          | 78.5 / 117.8(400 / 600)          | 78.5 / 117.8(400 / 600)          |
|                 | 26 |                                                                                  | Lowering, Loaded / Unloaded     | fpm(mm/s)  | 98.2 / 88.4(500 / 450)           | 98.2 / 88.4(500 / 450)           | 98.2 / 88.4(500 / 450)           |
|                 | 28 | Max, Drawbar Pull                                                                | Loaded                          | lb(kg)     | 2866(1300)                       | 2866(1300)                       | 2866(1300)                       |
|                 | 30 | Max, Gradeability                                                                | at 1.6 km/h, Loaded             | %          | 26                               | 25                               | 25                               |
| WEIGHT          | 32 | Total Weight                                                                     | With minimum weight of battery  | lb(kg)     | 6878(3120)                       | 7253(3290)                       | 7584(3440)                       |
|                 | 33 | Axle Load, Loaded                                                                | Front / Rear                    | lb(kg)     | 9259 / 1150(4200 / 521)          | 9932 / 1290(4505 / 585)          | 10624 / 1369(4819 / 621)         |
|                 | 34 | Axle Load, Unloaded                                                              | Front / Rear                    | lb(kg)     | 3565 / 3314(1617 / 1503)         | 3527 / 3728(1600 / 1691)         | 3492 / 4094(1584 / 1857)         |
| CHASSIS         | 35 | Tires                                                                            | Number of wheels (Front / Rear) |            | 2 / 2                            | 2 / 2                            | 2 / 2                            |
|                 | 36 |                                                                                  | Size, Front                     |            | 18 × 7-8                         | 200 × 50-10                      | 200 × 50-10                      |
|                 | 37 |                                                                                  | Size, Rear                      |            | 16 × 6-8                         | 16 × 6-8                         | 16 × 6-8                         |
|                 | 38 | Wheel Base                                                                       | Distance                        | in(mm)     | 55.5(1410)                       | 55.5(1410)                       | 55.5(1410)                       |
|                 | 39 | Tread Width                                                                      | Front                           | in(mm)     | 35.5(902)                        | 35.9(912)                        | 35.9(912)                        |
|                 |    |                                                                                  | Rear                            | in(mm)     | 35.0(890)                        | 35.0(890)                        | 35.0(890)                        |
|                 | 40 | Ground Clearance                                                                 | Loaded at lowest                | in(mm)     | 86                               | 86                               | 86                               |
|                 | 41 |                                                                                  | at center of wheelbase          | in(mm)     | 3.9(100)                         | 3.9(100)                         | 3.9(100)                         |
|                 | 42 | Brakes                                                                           | Service                         |            | Hydraulic                        | Hydraulic                        | Hydraulic                        |
|                 | 43 |                                                                                  | Parking                         |            | Mechanical                       | Mechanical                       | Mechanical                       |
| POWER TRAIN     | 45 | Battery                                                                          | Type                            |            | Lead-acid                        | Lead-acid                        | Lead-acid                        |
|                 |    |                                                                                  | Voltage / Capacity(Max)         | V/AH       | 48 / 770                         | 48 / 770                         | 48 / 770                         |
|                 |    |                                                                                  | Minimum Weight                  | lb(kg)     | 2315(1050)                       | 2315(1050)                       | 2315(1050)                       |
|                 | 47 | Electric Motors                                                                  | Drive Motor - 1Hour Rating      | hp(kW)     | 5.0 × 2                          | 5.0 × 2                          | 5.0 × 2                          |
|                 | 48 |                                                                                  | Hydraulic Motor - 20% Duty      | hp(kW)     | 12.0                             | 12.0                             | 12.0                             |
|                 | 54 | Control Type                                                                     | type                            |            | MOSSET Inverter                  | MOSSET Inverter                  | MOSSET Inverter                  |
|                 | 55 | Transfer                                                                         | Brake Type                      | type       | ODB                              | ODB                              | ODB                              |
|                 | 57 | Relief Pressure                                                                  | Lift                            | psi(kpa)   | 2870(19800)                      | 2870(19800)                      | 3125(21550)                      |
|                 |    |                                                                                  | Attachment                      | psi(kpa)   | 2030(14000)                      | 2030(14000)                      | 2030(14000)                      |

## Dimensional drawings



**Doosan Infracore**  
Forklifts

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