4 Wheel Electric Forklift Trucks

B40X / B45X / B50X-5

4,000kg to 5,000kg Capacity

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4,000kg to 5,000kg Capacity
80 VOLT
Solid Soft Rider Tire

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AUTHORIZED DEALER

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

B40X / 45X / 50X-5
4 WHEEL ELECTRIC TRUCK

High Performance, Great Productivity, Energy Efficiency, Superior Ergonomics and Easy Service You Only Get All with A New Generation of Doosan Electric Forklifts

- Optimized operator compartment, especially FCU (Front Cockpit Unit), provides driving & operating comfort.
- A.C.T. (Active Control Technology) incorporated into full AC (Drive and Hydraulic) system provides smooth & perfect control.
- Proven and durable components provide enhanced maintenance interval and reliability.
- Operator-friendly features provide operating pleasure.
- AC Motors & OCDB provide incredible and outstanding productivity.
- ISO 3691 regulation introduced in control valve and O.S.S. (Operator Sensing System) provide industry best driving & operating safety.
- Tool-less side cover and wide open hood provide great serviceability.

DRIVE THE DIFFERENCE...

DRIVE DOOSAN !

Satisfaction comes Standard !

Due to Enhanced Comfort Features Designed to Be Simple and Easily Adjustable, The Operator Compartment Will Make You Feel Right At Home.

- **Auto Tilt Leveling (Optional).**
  Easily returns mast to upright vertical position with simply pushing the button.

- **Finger-tip Controlled Hydraulic Control Valve (Optional)**
  Permits precisely controlled load movement by literally lifting only a finger to significantly reduce operator movement and expended effort.

- **Deluxe Suspension Seat (Optional) with OSS**
  A comfortable deluxe suspension seat with OSS(operator sensing system), a large seatback angle, longer seat travel length and operator's weight resistance on front side allow multiple adjustments for optimum seating comfort.

- **Convenience Tray**
  Easily handles refreshments, paperwork, small tools and etc for operator efficiency.

- **Spacious Operator compartment**
  Wide open leg room, stepless tiltable steering column and ergonomically located operator pedals with low cowl height facilitate anti fatigue operating.

- **High Visibility Overhead Guard and Front-end**
  Wider mast window, repositioned hydraulic hoses and flat bar style overhead guard optimize operator sight lines forward, up and to the load.

Productive, But Energy Efficient !

The bottom line for evaluating a lift truck is PRODUCTIVITY....
and that's where the Pro5 Series really stands out.
Productivity of an electric truck is a combination of speed, control and energy consumption --- which have been achieved through several exclusive Doosan design innovations.

DOOSAN Exclusive ACT (Active Control Technology)

This innovative system provides several productivity advantages:

- Active Performance Control :
  self-adjusts performance criteria to changes in operating conditions
- Active Energy control :
  maintains consistent performance through 80% of battery charge life
- Active Comfort Control :
  customizes operating parameters to match driver's style for increased comfort, confidence & control
- Active Heat Control :
  system self protects when overheating detected to correct temperature imbalance

Operator-Centric Performance Selection

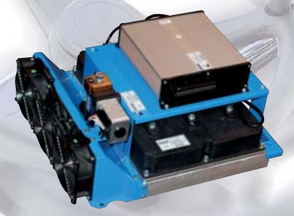
Operator controls the truck's performance capability and can optimize productivity and battery consumption rate to match application requirements.

- H-mode (High Performance)
- S-mode (Standard Performance)
- E-mode (Energy Efficient Performance)
- Turtle mode
  (Reduces Travel Speed while maintaining lift speed)

More Work per Battery Charge

Programmable operating functions customize truck performance for energy efficiency to achieve more run time per battery charge.

ITC (Intelligent Torque Control)



Closed-loop feedback system monitors loads on drive and hydraulic motors to maintain speed consistency whether the truck is empty or loaded.
It also provides :

- Responsive acceleration
- Excellent gradeability
- Full protection against short / open circuits
- Continuous temperature monitoring of panel and motors

to maximize material handling productivity.

DRIVE THE DIFFERENCE...

DRIVE DOOSAN !

Safety Comes First !

DRIVE THE DIFFERENCE...

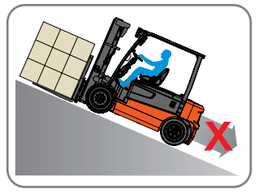
Doosan's Goal Is to Make Your Driving As Safe And Stable As Possible !

- **Lift Lock and Tilt Lock Function (ISO 3691)**
  Lift and tilt function are locked when operator leaves truck or truck is key off condition, which minimize any risks.

- **OSS (Operator Sensing System)**
  Audible alarm will sound when operator leaves the seat without parking brake applied.

  Truck is not moving with directional switch in either forward or reverse when operator leaves the truck without parking brake applied. (automatically return to neutral position)

- **Parking Brake with Stopper**
  Prevents parking brake release from external shock

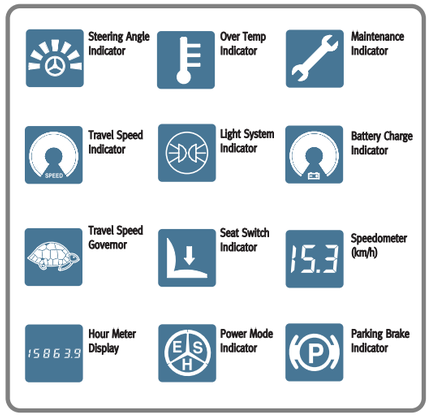


- **Anti Roll Back & Down**
  Stop on ramp, anti roll back & down system protects truck's slip.

- **Steering Angle Sensing System**
  The angle sensing information controls the travel speed at turning operation. It automatically reduces the travel speed to the optimum speed at the cornering.

- **Intelligent Instrument and Control Panels**

The combination of LED displays and 7-digit graphic LCD display intelligently provides operators with all the details 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.



DRIVE DOOSAN !

Minimized Maintenance and Easy serviceability is One of Doosan's Top Priorities

Oil- Cooled Disc Brakes(ODB)

Virtually maintenance-free, ODB is standard equipment on the PRO5 Series,B45X-5. The enclosed brake system eliminates outside contamination significantly extending the brake life up to 5 times longer when compared to conventional shoe brakes.

Rugged and Durable Twin Drive Axle

Doosan unique designed twin drive axle is installed on PRO5 Series, B45X-5. It is controlled by integrated drive controller and the twin drive axle effectively transfers the power and torque of the drive motor to the final drive for smooth and quite operation.

Maintenance Free Electric Motors

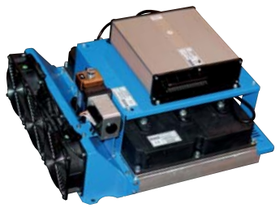
Our innovative AC technology of drive and hydraulic motors eliminates motor brushes, commutators and directional contactors, thus reducing maintenance and decreasing overall operating costs. The large, 10kw drive motor provides outstanding power capability troughout the operating shift.

Run Time and Trouble shooting Diagnostics

Our truck talks to you!
The Controller provides both run-time and trouble-shooting diagnostic capability to tell you the source of a problem so it can be corrected quickly and easily.
In addition all controller programming can be locked in to guard against tampering.

AC Controller has power to B45X-5

The Command Center of the B45X PRO 5 Series is our AC Controller consisting of a main logic board and independent power modules with direct links to drive motor and the hydraulic motor to manage, direct and monitor every operating system on the truck.
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

Intelligent Technology Provides Industry Best Maneuverability !

■ Option Availability

● : Standard ○ : Optional

Options	B40X / B45X / B50X-5
Lift and Tilt Locking Hydraulic Control Valve	●
Finger Tip Control Hydraulic Valve	○
Solid Soft Tires	●
Non-marking Tires	○
Full Suspension Deluxe Seat - Vinyl	○
Full Suspension Deluxe Seat with Armrest	○
Modular Operator Cabs	○
Mono-ped Foot Direction and Acceleration Control	○
Emergency Switch	○
Cold Storage Package	○
Keyless Ignition Switch	○
Knob - Steering Wheel	○
Two Front and Rear Combination Lights	○
One Rear Flood Light	○
Back-up Alarm	○
Rear Strobe Light	○
Rear View Mirror	○
Integral Sideshifting Fork Positioner	○
Quad Mast	○
Hydraulic Accumulator	○