



Doosan Infracore
Forklifts

Electric Powered Forklifts

B15T / B18T / B20T - 5

Capacity Range 1,500 to 2,000kg 3 Wheel

B16X / B18X / B20X - 5

Capacity Range 1,600 to 2,000kg 4 Wheel

PRO5
SERIES

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Forklifts

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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 **PRO5** 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 **PRO5** 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 PRO5 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 PRO 5 SERIES!!**



1. Rear View Mirrors

Keep operators posted, aware and alert to what's going on around them.

2. Lockable Parking Brake Lever with Warning

Double-acting lever actuation with button release keeps truck braked while exiting and entering vehicle. Buzzer activates when operator leaves seat without engaging park brake.

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.

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.

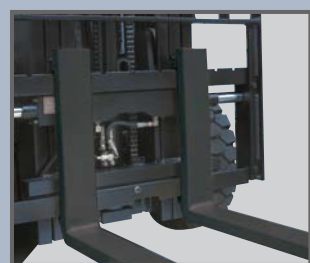
Maximized forward Visibility



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



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,

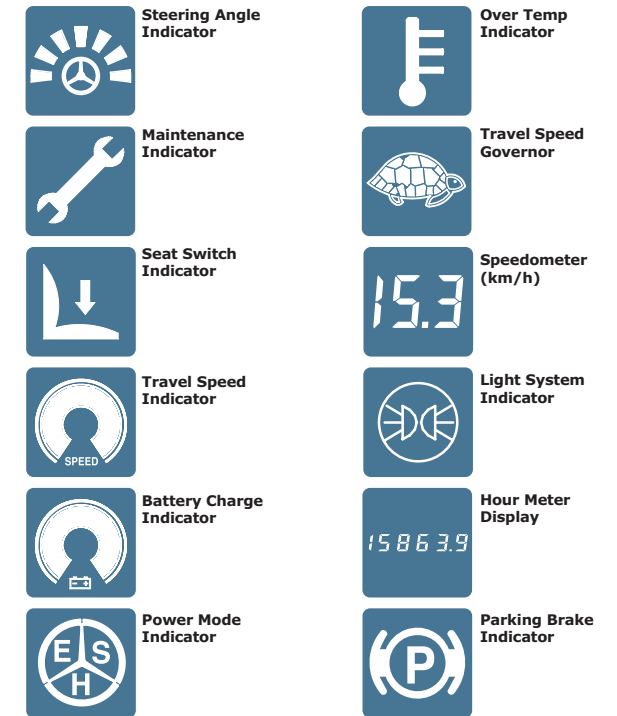
directs and monitors every operating system on the truck. Permits programmable adjustments to operating functions for customized truck performance. Provides both run-time and trouble shooting diagnostic capability.

DRIVE THE DIFFERENCE...

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

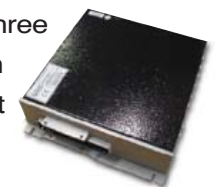


The combination of LED displays and 7-digit graphic LCD display intelligently provides operators with all the information they need, including operational information, diagnostics, and programmable settings. The 4 display buttons offers a choice of four power modes; heavy duty, standard duty, economic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



AC CONTROLLER

The Command Center of the **PRO5** 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

DRIVE DOOSAN !