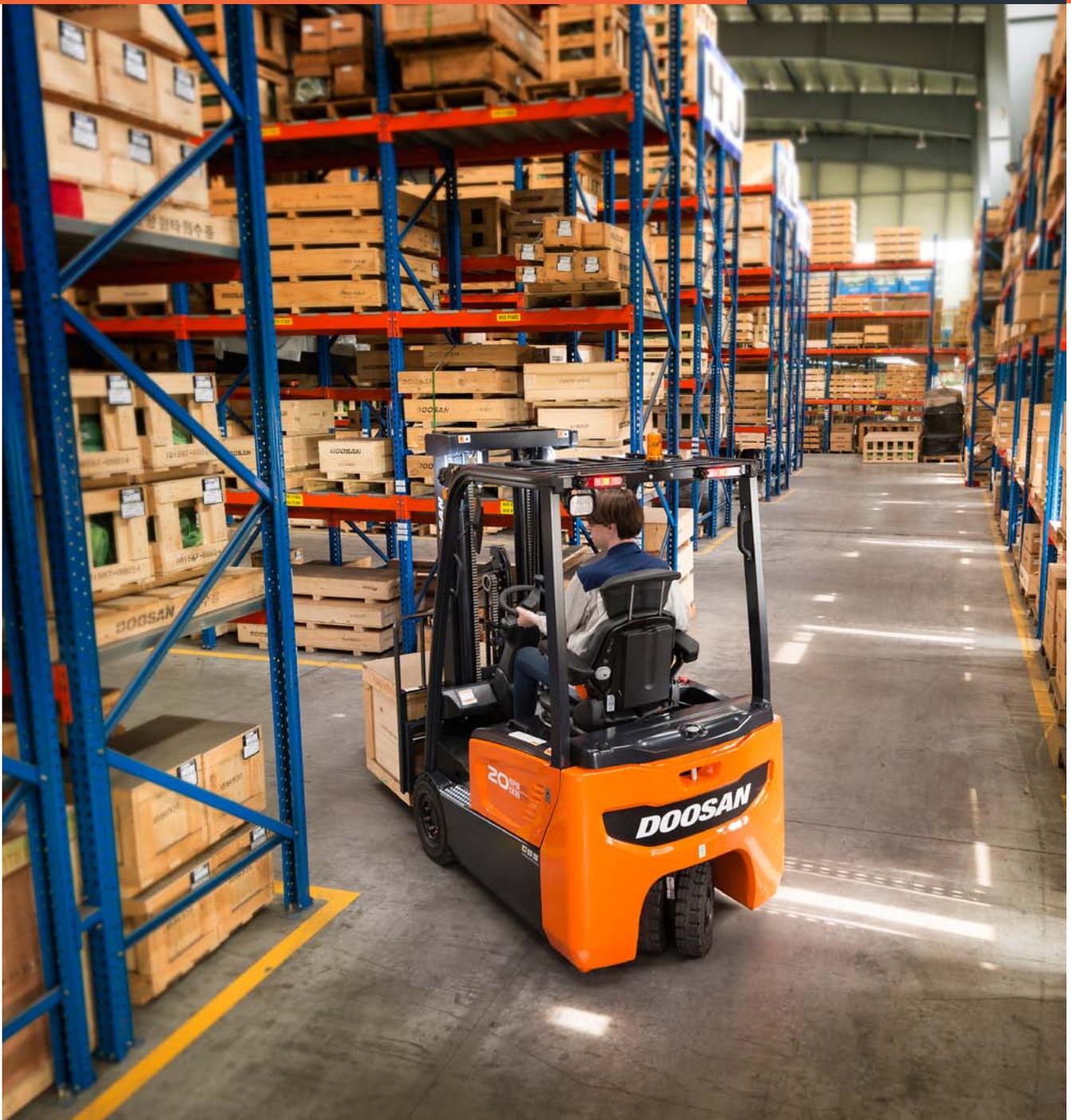




B15T-7 / B18T-7 / B18TL-7 / B20T-7 / B20TL-7
B16X-7 / B18X-7 / B20X-7

7 SERIES FORKLIFTS

Electric 1.5 to 2.0 ton capacity 3 & 4 Wheel



Leading the way

The new world class 7 Series trucks from Doosan

The new 7 Series of 3 and 4 wheel electric counterbalance forklift trucks, continue to follow the core Doosan tradition of delivering simple, powerful performance, whilst most of all, delivering the best possible value for our customers.

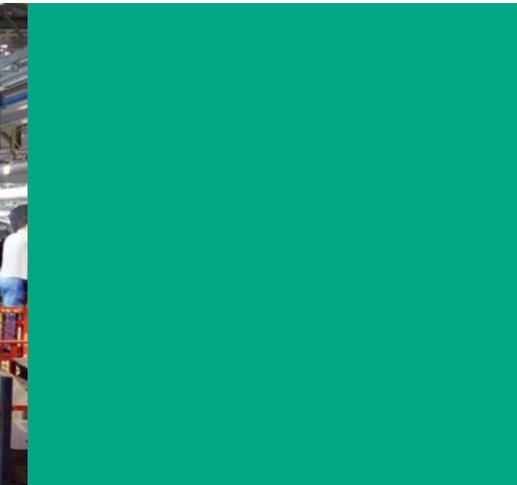
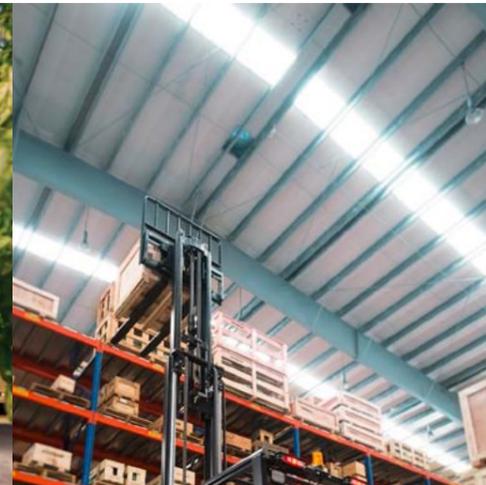
The specially designed ergonomic operator compartment keeps the operator in complete control at all times, improving productivity and reducing stress and fatigue. The new model offers improved visibility and the latest design in ergonomic hydraulic controls. Thanks to an improved durable design and an additional stability system, Doosan's new 7 Series electric trucks exceed the highest demands for safe operation.

Extended maintenance intervals and advanced technology components reduce the overall cost of maintenance. The latest in AC control systems provide an unbeatable combination of power, performance and reliability. Each parameter is fully adjustable to perfectly match every your individual requirement, providing maximum control and accuracy for every function.

“ Higher lifting and travel speed helps me to complete my job efficiently ”

PRODUCTIVITY

- Efficient performance
- Tight turning radius
- Optimized steering angle
- Excellent visibility



“ With the reassuring features of Doosan truck, operation is safe and comfortable ”

SAFETY AND ERGONOMICS

- Auto parking brake
- Unlimited ramp hold
- Operator Sensing System(OSS)
- Guardian Stability System(GSS)



“ The Doosan service support network has never let me down ”

SERVICEABILITY

- Doosan service network coverage
- Quick service response
- Easy to fix design



Features overview

Power, excellent performance, driving comfort, durability, and outstanding fuel efficiency will certainly satisfy you.

PRODUCTIVITY GAINS

- The shortest turning radius
- Optimized steering angle
- High visibility design
- Battery changing system
- Energy solution- Autofill
- Reliable operation
- ODB - Oil cooled disc brakes
- IP 43 motor

BETTER SERVICEABILITY

- Worldwide service network
- Doosan genuine parts
- Easy to access controller room
- Easy view
- Diagnostics tool

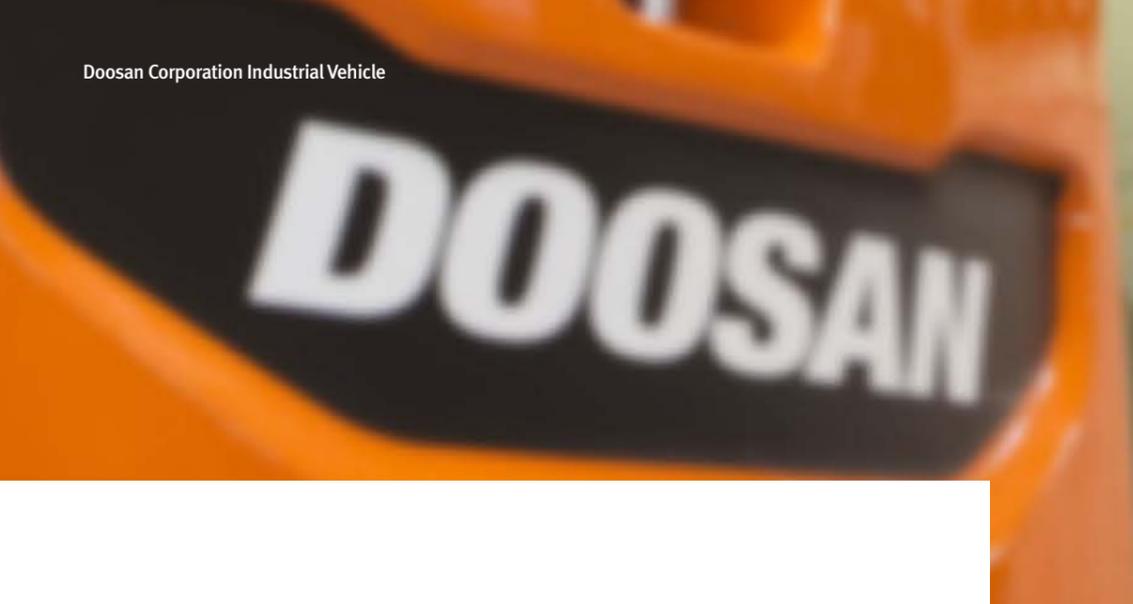


ENHANCED SAFETY & ERGONOMICS

- Unlimited ramp hold
- Automatic speed control
- Large panoramic mirror
- LED lights
- Blue spot light
- Rear grab handle with horn
- Emergency switch
- Guardian stability system (GSS)

ADDITIONAL FEATURES

- Low battery alarm
- Brake oil level indicator
- Turtle mode
- Finger tip controls
- Adjustable column
- Adjustable seat
- Mast Lowering Inter-Lock & Tilt Lock (ISO3691)
- The hydraulic locking
- Operator sensing system (OSS)



PERFORMANCE



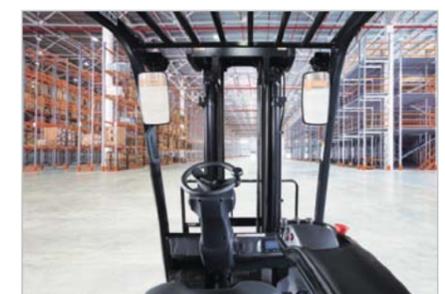
Productivity gains



The shortest turning radius
Enhancing productivity in tight spaces

Optimized Steering Angle

The operator can easily change the driving mode by a switch on the dash. The ECO mode will reduce the fuel consumption.



Excellent visibility

The precise designed overhead guard profile with angled roof bars provide a clear view upwards whilst ensuring ultimate strength for safety.



Battery changing system

This allows the battery to slide out of the side of the battery compartment for easier and faster battery exchange.

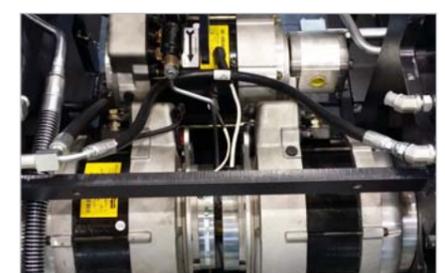


Reliable Operation

Curtis AC controllers provide an unbeatable combination of power, performance and functionality. They are very reliable and well proven.

ODB (Oil cooled Disk Brake)

There are 3 to 5 double sided discs per wheel. Discs are submerged in oil, keeping them cool and limiting wear. The Doosan ODB system is completely enclosed and sealed from outside contaminants protecting the inner workings of the brake system from dirt, water, shrink wrap and broken pallets



IP43 dust and water protection Drive and Pump

The new sealed controllers are rated to IP65 and the motors are rated to IP43 proven.

Enhanced safety features



Unlimited ramp hold (Auto parking brake)

The electro-magnetic auto parking brake (EPB) prevents the forklift from rolling back if the truck is stopped on a slope. Operators can dismount the truck easily without braking.



Automatic Speed Control

The angle sensing information controls the travel speed when turning sharply. It automatically reduces the travel speed to the optimal speed when cornering, reducing the risk of accidents or damage.



Large panoramic mirror

Provides the operator a clear view of the rear working area, improving working safety & efficiently.



LED lights

Brighter and last longer than traditional sealed beams or halogen lights



Safety light

Safety lights provide a visual warning by projecting a blue light on the floor to warn oncoming forklifts or pedestrians, helping prevent accidents in the workplace.



Rear grab handle with horn

Enhances safety, comfort and convenience when traveling in reverse.



Emergency switch

The operator can push the emergency switch with one hand on the steering wheel quickly.



GSS (Guardian Stability System)

1. Decrease of travel speed (up to 50%) when the mast is raised above the primary stage
2. Forward tilt is reduced by 2 degrees when the mast is raised above the primary stage
3. Alarm sounds when the mast is raised above the primary stage with the mast tilted more than 2 degrees

Better serviceability



Worldwide service network

- Head quarter
- Overseas offices and service centers



Doosan provides high-quality support, relying on its extensive dealer network. No matter where you are located, highly-skilled professionals are always ready to help you, guaranteeing maximum uptime.



Doosan Genuine Parts

The parts warehouse, supplies high quality Doosan parts to the dealer network.



Easy to access controller room

No need to open the hood to access the controller to change settings or connecting the diagnostics tool



Easy view

To examine the forklift and set the program with notebook only (without a special tool)



Diagnostics tool

Thanks to the kvaser connector, the performance settings can quickly and easily be fine-tuned. The Easy Viewer software has been developed by Curtis, exclusively for Doosan for maximum control over your truck settings.

Additional features



Low battery alarm

Lifting will be disabled when the battery is discharged to 20% during operation. This function protects the battery from damage and prevents sudden loss of power due to a dead battery.



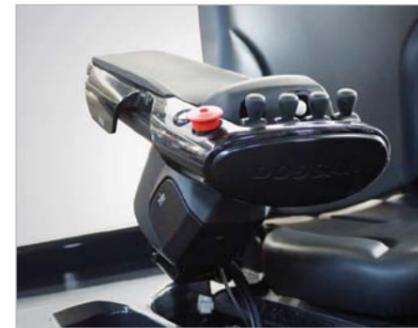
Brake oil level indicator

When the level in the brake oil reservoir is lower than minimum level, the low brake oil level indicator in the instrumental panel will flash to instruct the operator to add brake oil.



Turtle mode

By pushing the slow travel speed button when the truck operates in a warehouse, the truck travel speed will slow down to a predefined travel speed setting, without impacting the lifting speed. This mode ensures safely maneuvering in delicate operating situations.



Finger tip controls

Fast, precise and infinitely controllable fingertip control makes the 7 series effortless and efficient.



Adjustable column

The operator can adjust the position of the column for convenience and comfort.



Adjustable seat

The full suspension comfort seat is fully adjustable to accommodate every individual preference.



Mast Lowering Inter-Lock & Tilt Lock (ISO3691) The hydraulic locking

The hydraulic locking system prevents natural lowering and tilting. It safeguards the work array, the truck and the load even if the operator leaves the truck unattended.

OSS (Operator Sensing System)

Whenever the operator leaves the seat, the truck travel and mast lifting functions will stop. This systems avoids any unintended forklift movements when the operator is not seated.





WAREHOUSE SOLUTION



The best proposal for warehouse application

Doosan can provide you with the best proposal for your warehouse operation, from reach trucks to stackers, forklifts to pallet trucks and much more. Please contact Doosan to discuss your needs.



A Transport

Transporting is the process of moving product from one point to another. Distance travelled manoeuvrability requirements and the need for multi-tasking play a critical role in determining product selection.

B Bulk Storage

Bulk storage areas allow for storage of large quantities of a similar product. Lift trucks used are typically no wider than the product being stored.

C Order picking

Order picking is the process of fulfilling customer orders. The product size, weight and storage method will determine the appropriate lift truck.

D Shelving

Full space utilisation of your warehouse also means effective use of steel and wire shelving. Small parts and similar sized materials can be stored efficiently.

E Dock Work

Any application that requires loading and unloading products from a delivery vehicle and staging them for further handling is considered dock work. The particular recommended dock truck will depend on your specific demands and the characteristics of your shipping and receiving areas.

F Rack Storage

Storage rack considerations determine effective vertical storage and product selectivity. The type of lift truck chosen for load handling will require specific aisle width and rack layout parameters.

G Narrow-Aisle

Narrow aisles offer several benefits by providing better storage utilisation. Less space is required for lift trucks to operate, while productivity and organisational efficiencies also improve. Back-to-back racking allows product to be stored two deep.

H Outdoor

Outdoor work can include tasks that require loading and unloading trucks and trailers, transporting loads and storing goods in racks and bulk locations. The surfaces may be improved but typically include rough terrain, gravel, pot holes, hills, and other obstacles.

Main Specifications

MAJOR SPECIFICATION		B15T-7	B18T-7	B18TL	B20T-7	B20TL-7	B16X-7	B18X-7	B20X-7
Classification		3 Wheel Electric				4 Wheel Electric			
Capacity	kg	1500	1750	1750	2000	2000	1600	1800	2000
Load centre	mm	500							
Wheel base	mm	1323	1423	1554	1446	1554	1495	1495	1495
Turning radius	mm	1515	1615	1756	1648	1756	1886	1886	1886
Load moment centre	mm	376	376	376	381	381	376	376	381
Travel speed	km/h	17/17	17/17	17/17	17/17	17/17	17/17	17/17	17/17
Lift speed	m/s	0.4/0.6	0.4/0.6	0.4/0.6	0.4/0.6	0.4/0.6	0.4/0.6	0.4/0.6	0.4/0.6
Lowering speed	m/s	0.5/0.45	0.5/0.45	0.5/0.45	0.5/0.45	0.5/0.45	0.5/0.45	0.5/0.45	0.5/0.45
Max. Gradeability(at 1.6km/h, Loaded)	%	26	25	25	24	24	26	25	24
Max. Drawbar pull(Loaded)	Kgf	1300	1300	1300	1300	1300	1300	1300	1300
Right angle stacking aisle width : 1000 x 1200	mm	3216	3316	3457	3354	3462	3446	3466	3471
Right angle stacking aisle width : 800 x 1200	mm	3341	3441	3582	3479	3587	3665	3665	3670
S/A Steering angle	deg.	90	90	90	90	90	86	86	86

Standard Features and Optional Extras

SAFETY & STABILITY, GUARDIAN STABILITY SYSTEM (GSS)

OSS (Operator sensing system)	Standard features
Neutral position for start	Standard features
Unlimited ramp hold	Standard features
Low battery warning alarm	Standard features
Brake oil & seat belt indicator	Standard features
(ISO 3691) Mast lowering inter-lock & tilt lock	Standard features
Emergency stop switch	Optional extras
Rear grab bar with horn switch	Optional extras
Auto tilt leveling	Optional extras
Guardian stability system : option	Optional extras

1. Decrease of travel speed (up to 50%) when the mast is raised above the primary stage
2. Forward tilt is reduced by 2 degrees when the mast is raised above the primary stage
3. Alarm sounds when the mast is raised above the primary stage with the mast tilted more than 2 degrees

Standard features

Optional extras

OPERATOR COMFORT (ERGONOMIC)

Entry grip entry bar & large entry step with anti-slip pattern	Standard features
Large & angled floor plate (leg room) with rubber cushion	Standard features
Rounded design battery hood cover	Standard features
Easy to read instrument panel	Standard features
Adjustable tilt steering column & easy grip (280 size) steering wheel	Standard features
Hydraulic control lever with direction switch	Standard features
Large cup holder, usb port & 12v electric jack, clip board	Standard features
New finger-tip control	Optional extras
Power grip knob	Optional extras
Premium seats : Grammer msg65 series	Optional extras
Panoramic mirror	Optional extras
LED Lights	Optional extras
Special height overhead guards	Optional extras
Mono pedals	Optional extras
Modular cabins	Optional extras

PRODUCTIVITY

Full ac system chassis	Standard features
Rounded design counterweight	Standard features
IP65 Rated Curtis controller	Standard features
IP43 Rated PAL enclosed type motors	Standard features
86° (BX) / 90° (BT) Steer axle clamp angle	Standard features
Electro-magnetic automatic parking brake (EPB)	Standard features
Hydraulic cushioned valve in secondary cylinder (FFL & FFT)	Standard features
Accessory for DIN type battery installation	Optional extras
Battery lift in and out system	Optional extras
Cooling options : Fans & Fin type controller	Optional extras
Application packages : Cold & Freezer, Beverage, Fishery	Optional extras

DURABILITY & SERVICEABILITY

Robust frame structure & strong structure overhead guard	Standard features
Easy to access controller & motors room	Standard features
Wide open battery hood cover	Standard features
Tool-less side cover with air ventilation	Standard features
Oil-cooled disc brakes (ODB)	Standard features
Durable heat-resisting(38”SQ)cables	Standard features

* Remark : This list is based on factory data. Standard or optional can vary for specific countries.

About Doosan

Values that drive our future growth

Trust in people is the foundation on which Doosan has built its century of success

Doosan has always put 'People' first for the past 100 years, based on our management philosophies.- 'Business is not meant to make profits, but to help people grow.' (Late Too Pyung Park, First Chairman), and continues to spur corporate development with global competitiveness originated from human resources.

Doosan the oldest, but fastest growing company

Doosan has recorded the longest business history since its inauguration in 1896, but has grown at its most rapid pace for the past 10 years.

Doosan-the global Infrastructure Support Business (ISB) company

Doosan has created in excess of 90% of its sales within the ISB sector through vigorous reorganisation of its business portfolio since 1998. In the past, 70% of our business was concentrated on consumer goods, but we have successfully transformed our business DNA to the infrastructure support business that constructs and reinforces social infrastructure.

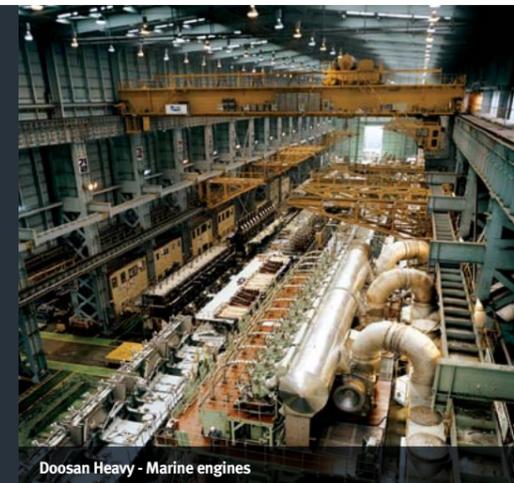
Doosan, surging as a global company

Doosan has become the global ISB leader based on its world class products and services. In addition, as a true global company, Doosan's overseas employees encompass 50% of its human resources, and overseas sales take more than over 60% of the total sales.



Doosan Infracore - Construction equipment

Committed To Our Customers
We are committed to our customers, providing superior products and excellent services to go with them into the future.



Doosan Heavy - Marine engines

Committed To Innovation
We remain committed to the advancement of new technologies and development of talented individuals, positioning us to respond effectively to the rapid changes taking place in the 21st century. Our mission is to strengthen our global position and become the industry leader well into the future.



Doosan Bobcat - Skid loader (with Doosan engine)



Doosan Way
The Doosan Way is our unique way of doing business; the philosophy and culture that will guide us to become the "Proud Global Doosan."



Our Promise
Doosan will be the partner you can count on, always putting our commitment to you first.



Doosan Heavy - Seawater desalination plants



-  Production Subsidiary
-  Sales Subsidiary
-  Parts Depot Center



2018 March

Authorized Dealer



Doosan Corporation Industrial Vehicle
 Web site: www.doosan-iv.com

