



BOP15S-9

9 SERIES ORDER PICKER

Electric 3000 lbs capacity



Leading the way

The new 9series order picker is the perfect equipment for picking small items.

With the excellent truck performance, operator can perform the picking process more efficiently.

Operator compartment is designed to increase convenience and productivity.

Thanks to the various safety features, new order picker exceeds the highest demands for safe operation.



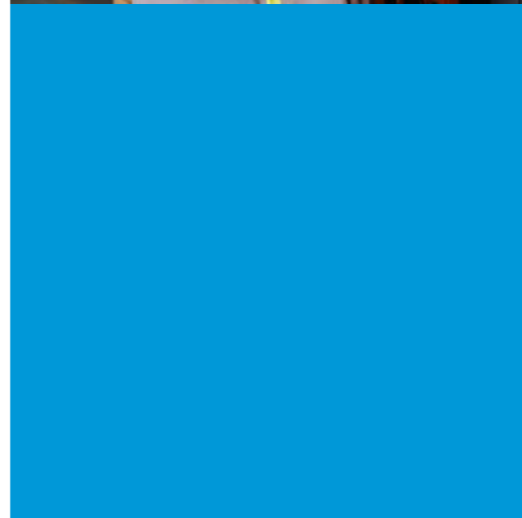
“ Above all, safety is most important feature in high level order picking. It is equipped with a variety of safety devices, allowing operators to use it with confidence. ”

- Safety**
- Highly stable mast operation
 - Lifting & lowering speed deceleration.
 - Various safety interlock functions.



“ Good visibility makes driving easier. Fast lifting speed gets the picking job done quickly. ”

- Productivity**
- Powerful motor and AC controller
 - Superior visibility
 - Bright LED light



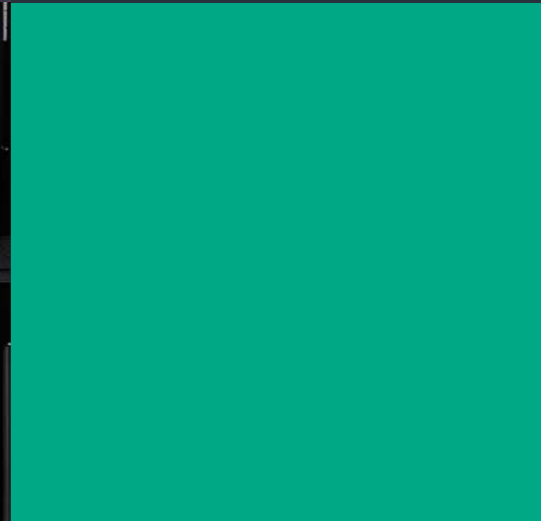
“ With the dedicated service network of Doosan, we always maintain the maximum utilization. ”

- Service**
- Doosan service network coverage
 - Quick service response
 - Easy access to main components.



“ Thanks to the wide platform, working at high places is stable. And additional devices can be mounted easily. ”

- Convenience**
- Wide platform with cushion mat
 - 5V/12V Power jack, Accessory bar
 - Dual battery connector



Streamline your Warehouse with New Doosan 9 Series Order Picker

Doosan's new 9series order picker combines outstanding performance, durability and convenience with the highest level of safety features, making your warehouse logistics more productive and efficient.

HIGHEST LEVEL OF SAFETY

- The mast with high stiffness, makes operation more stable.
- Lifting & lowering impact are minimized by decelerating the speed.
- Various **Safety interlock** prevents unexpected accident.
- Traveling/turning speed are controlled along with the mast height & steering angle.
- Safety light on both way protects pedestrians from collision.

EXCELLENT OPERATOR COMFORT

- The **Wide platform** and cushion mat help job more safe and comfortable.
- With the additional power supply and accessory bar, various devices can be mounted.
- Ergonomically designed control lever reduces wrist fatigue and prevents malfunctions.
- The charging connector can be connected directly to the **Dual battery connector**.

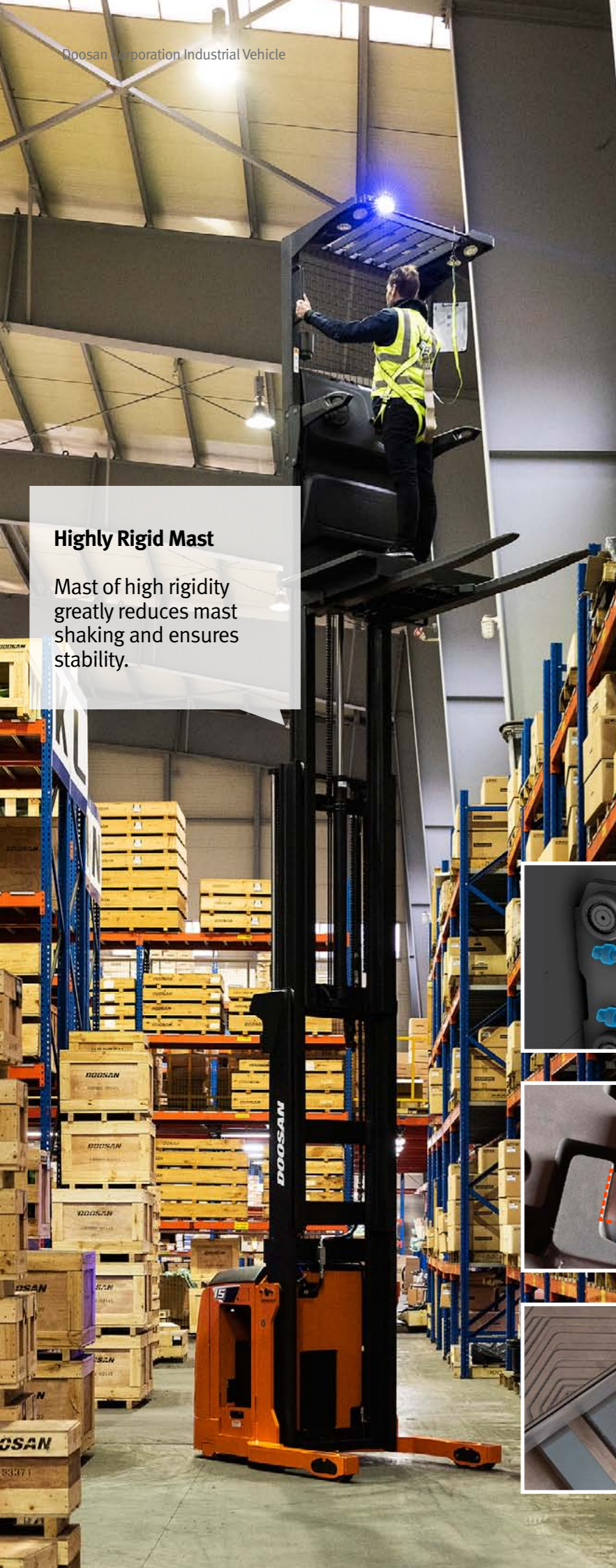
OUTSTANDING PRODUCTIVITY

- A brighter, longer-life **LED light** increases enhances visibility.
- The combination of powerful motor and reliable AC controller provides top-tier level of traveling/lifting speed.
- **Front/lateral visibility** are maximized to ensure safer driving.
- **Pre height selector** function automatically lifts up to the preset height.

UNBEATABLE DURABILITY

- Highly durable **Stellana tire** guarantees lifetime in harsh environment.
- **ZF transfer** with excellent durability gives lower noise and longer lifetime.
- **Curtis AC controller**(IP 65 rated) is very reliable and well proven in tough applications





HIGHEST LEVEL OF SAFETY

Doosan 9 Series Order Picker with the highest level of safety features prevents unexpected accidents.

Stable Mast Operation

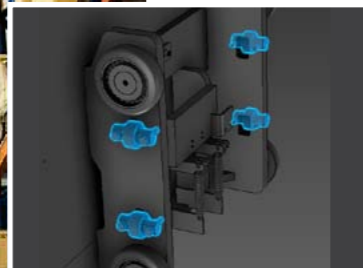
Thanks to the highly rigid mast, operator can work stably even at the height.

Cushion for Mast Lifting/Lowering

- Reduce lifting/lowering speed at the end point to minimize impact.
- Impact is minimized by absorbing the shock when switching cylinders between primary and secondary.

Smooth Lifting / Lowering

When it stops in the middle stage, it controls the speed to stop smoothly.



Side Roller

Minimize left and right shaking by applying the side rollers.



Mast Pad

Minimize forward-backward shaking by applying the mast pads.



Pallet Clamp

Prevent pallet from being slipped by clamping the stringer.
- Stringer size between 1.5" to 5.9"

Safety Interlock

The various safety interlock functions always check the truck to operate safety.

Chain Tension

If the chain tension gets loosened, all functions are restricted except for the mast lifting.

Side Gate

If the side gate is raised, only lowering is allowed.

Foot Switch

If it is not pressed, all functions are restricted and parking brake is applied automatically.



Battery Side Cover

If the battery side cover is not fixed, only lowering is allowed.



Rear Door/ Hood

If they are open, all functions are restricted.



Safety Assistant Functions

Safety assistant functions helps safe operation.

Auto Centering

At start up, steering wheel is aligned to the forward direction to prevent potential accident.

Rail Guidance (Option)

Side rollers on each side help the vehicle go straight. If the roller is pushed, the drive tire is automatically aligned to forward direction until the roller is released.

Auto Deceleration

- Travel speed is automatically reduced along with the mast height.
- Travel speed is automatically reduced along with the steering angle.

Auto Parking Brake

It is automatically applied 3 seconds after truck stops.

Safety Light

Warning is given to pedestrians by reflecting the blue light on both side.



OUTSTANDING PRODUCTIVITY

The combination of powerful motor, transfer and AC controller maximizes the performance and gives best productivity in various applications.



Fast and Responsive Lifting

The combination of powerful pump motor and reliable AC controller provides most competitive lifting speed.



Pre Height Selector (Option)

Preset height in advance (Max 8 different height)
If you choose the height, it will lift up to the height automatically.

Clear Visibility

Mast layout is optimized to secure wide inner width.
No front obstruction by applying primary cylinder.



Fast Travel Speed

The fast travel speed delivers high productivity in a large warehouse.



Bright LED Light

LED lamp lights the operator compartment and pallet area, providing brighter view.



EXCELLENT OPERATOR COMFORT

The operator compartment is filled with a variety of ergonomic designs. The operator can work efficiently with less fatigue.

Convenience Devices

5V USB Power
12V Power jack



Cup Holder (Option)



Operator cooling fan (Option)



Dual Battery Connector

Dual battery connector maximizes convenience of charging. Charging connector can be connected directly without disconnecting the battery connector.



Bright and Intuitive Display

- Clear visibility even outdoors.
- It can also control the truck's performance settings.



Spacious Storage

- Upper : for Document / Small items
- Lower : for Large items



Accessory Bar for Additional Devices

Accessory bar on both side
- Document clip board (Option)
- Scanner holder (Option)



Ergonomic Control Handle

Ergonomic design and layout.
- Rubber grip for anti-slip
- Driving/ Lifting / Lowering / Horn



Wide Platform

Doosan 9 series order picker provides most competitive space. Large platform makes picking safer and more convenient.



Cushion Floor Mat

Cushion floor mat reduces fatigue by absorbing vibration and impact.
- Surface: Rubber with anti skid pattern
- Inner: PE foam



UNBEATABLE DURABILITY

Highly durable main component with qualified suppliers, assuring longer service interval and less maintenance cost.

IP43 Rated Enclosed Motor

Powerful motors that have been proven in the market for years ensure durability. All drive/pump/steering motors are IP43 rated.

Longer Service Interval

- Hyd. Oil Filter : 2,000hrs
- Hyd. Oil : 2,500hrs
- Transfer oil : No exchange after first 50hrs of oil change

Reliable AC Controller

IP 65 rated AC controller is very reliable and well proven in tough applications.



Durable Tire and Load Wheels

Highly durable Stellana poly urethane tire meets the premium performance required in heavy duty application.



ZF Transfer

Patented hypoid bevel gear set reduces heat, noise and wear-out. No need for additional oil change after first 50 hours of oil change.



SERVICEABILITY SIMPLIFIED

Every structure is designed for easy access to the main components. Swing out rear door and removable front cover enable easier and quicker maintenance.

Wide Open Rear door & Hood

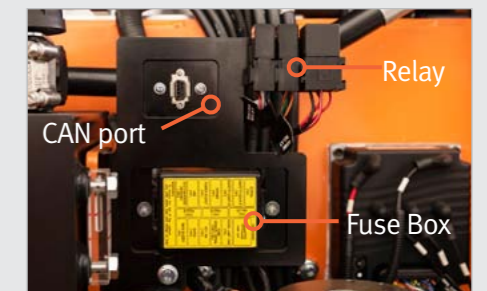
Easy access to the main components when opening the rear door and upper hood.

Removable Drive Tire Cover

More easier tire replacement by removing the tire cover.

Junction Box

Fuse, relay, CAN port are concentrated for quicker maintenance.



Easyview

Diagnose the forklift and set the parameters with laptop only. (without a special tool)



Worldwide service network

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.

- Head quarter
- Overseas offices and service centers



Main Specifications

Major Specification		BOP15S-9		
Load Capacity / Rated Load	lb(kg)	3000 (1360)		
Load Center Distance	in(mm)	24 (610)		
Maximum Fork Height	in(mm)	210(5330)	240 (6100)	273(6940)
Length to Face of Forks	in(mm)	78 (1982)		
Overall Width (Chassis)	in(mm)	40 (1016)		
Baseleg Overall Width	in(mm)	42(1065)	42 (1065)	48(1219)
Lowered Mast Height	in(mm)	95.3(2420)	105.3(2675)	116.3(2955)
Extended Mast Height	in(mm)	296.7(7535)	327 (8305)	360(9145)
Fork height when fully lowerd	in(mm)	3 (75)		
Ground Clearance, Center of Wheelbase	in(mm)	2 (52)		
Turning Radius	in(mm)	67.8 (1722)		
Travel Speed, Loaded / Unloaded	mph(km/h)	7.5/7.5 (12/12)		
Lift Speed, Loaded / Unloaded	fpm(m/s)	45/67 (0.23/0.34)		
Lowering Speed, Loaded / Unloaded	fpm(m/s)	80/80 (0.40/0.40)		
Service Weight /wo Battery	lb(kg)	6237 (2829)		
Minimum battery weight	lb(kg)	1413 (641)		
Maximum Battery Compartment (L x W x H)	in(mm)	13.2x35x32.3 (335x890x820)		



Standard Features and Optional Extras

Standard features
Optional extras

Highest level of safety

Highly rigid mast	Standard features
Cushion for mast lifting/lowering	Standard features
Smooth lifting / lowering	Standard features
Various safety interlock	Standard features
Travelling/Turning speed control	Standard features
Electro magnetic parking brake	Standard features
Manual pallet clamp	Standard features
Safety light (both way)	Standard features
Auto centering	Standard features
Amber strobe light	Standard features
Fire extinguisher	Optional extras
Ground strap	Optional extras
Rail guidance	Optional extras

Outstanding productivity

Bright LED light	Standard features
Clear front/lateral visibility	Standard features
Articulating tandem load Wheels	Standard features
Wire mesh screen	Standard features
Clear polycarbonate screen	Optional extras
Pre height selector	Optional extras
Cold storage/Freezer package	Optional extras

Excellent operator comfort

Wide platform	Standard features
Cushioned floor mat	Standard features
Dual battery connector	Standard features
Ergonomic control lever	Standard features
Spacious storage	Standard features
Bright and intuitive display	Standard features
Accessory bar for additional device	Standard features
5V USB power, 12V Power jack	Standard features
Operator cooling fan	Optional extras
Document clip	Optional extras
Scanner holder	Optional extras
Cup holder	Optional extras

Unbeatable durability

Highly durable Stellana tire / load wheel	Standard features
ZF transfer	Standard features
IP65 rated full AC controller	Standard features
IP43 rated drive & pump motor	Standard features
Longer service interval	Standard features

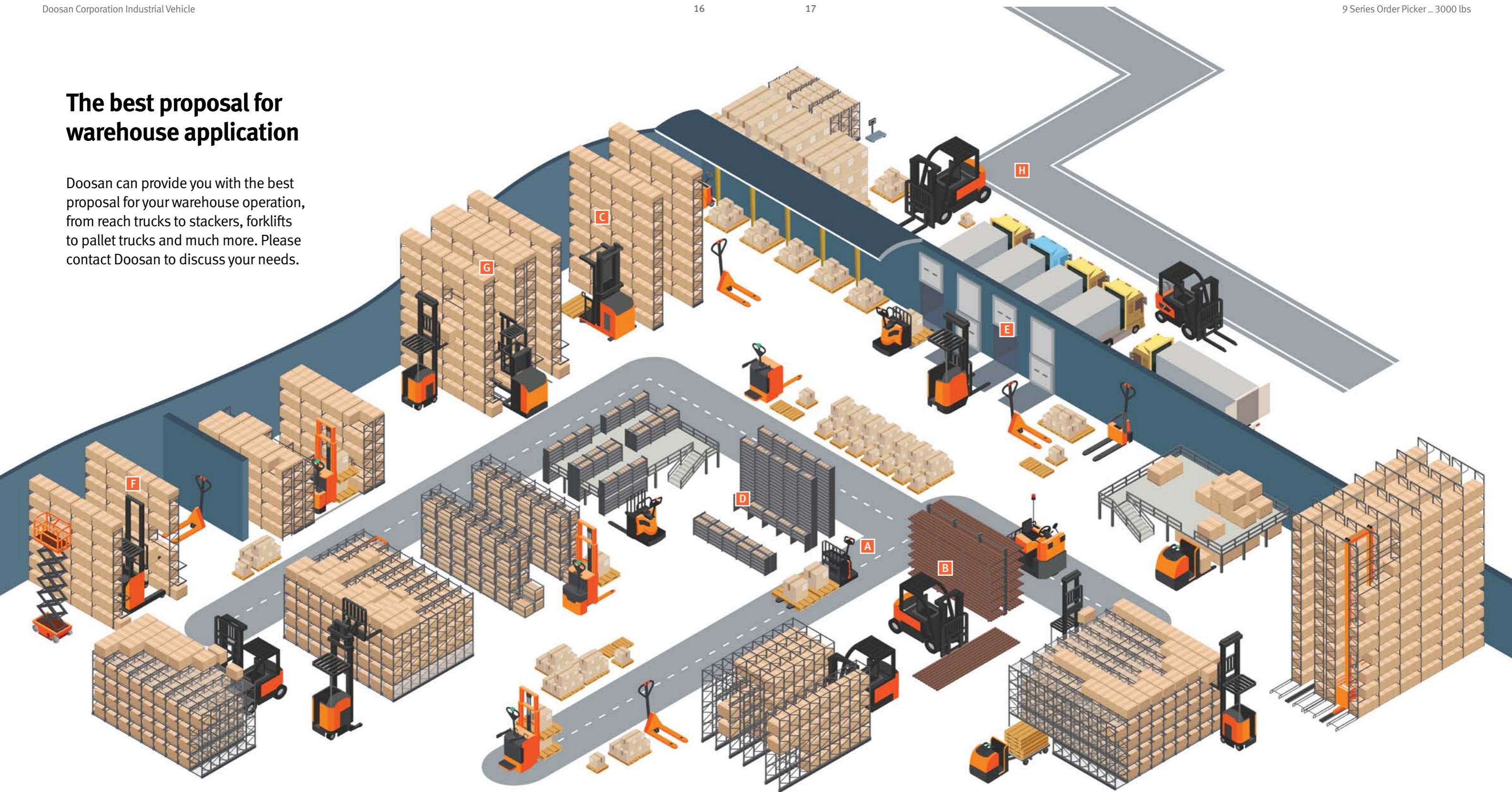
Serviceability simplified

Wide open rear door & hood	Standard features
Removable front cover	Standard features
Removable tire cover	Standard features
Junction box	Standard features
Battery roller	Standard features

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

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.

Complementary Products

Doosan manufactures wide range of quality warehouse equipment with the latest technology and safety features.

Doosan's forklifts and warehouse equipment bring efficiency to your operation, increasing overall productivity.

	Counterbalanced truck 3-wheel Electric 4-wheel Cushion 4-wheel Pneumatic Stand-up rider	Reach truck	High level order picker	Rider Pallet Truck	Hand Pallet Truck	Walkie Pallet Truck	Center Control Rider	Walkie Stacker	Walkie Reach Stacker	Tugger	Stock Chaser	Personnel Carrier	Burden Carrier
Loading/Unloading	V			V	V	V							
Transporting	V	V		V	V	V	V	V	V	V	V	V	V
Stacking	V	V						V	V				
Order picking			V	V			V						

COUNTERBALANCED FORKLIFT



4-wheel LPG cushion tire
3,000-12,000lb capacity



4-wheel, Diesel pneumatic tire
3,000-55,000lb capacity



3-wheel, Electric tire
3,000-4,000lb capacity



4-wheel, Electric cushion tire
3,000 - 6,500lb capacity

PRO-DUCTIVITY SERIES



Burden Carrier
4,400 - 5,500lb capacity



Personnel Carrier
600lb capacity



Stock Chaser
1,000lb capacity

CORE WAREHOUSE EQUIPMENTS LINE UP



Pantograph reach truck
BR18/20SP-7 PLUS
3,500/4,000lb capacity



Stand up rider
B15/18/20SU-9
3,000/3,500/4,000lb capacity



High level order picker
BOP15S-9
3,000lb capacity



Rider pallet truck
BER30/40S-9
6,000/8,000lb capacity

PALLET TRUCK / STACKER



Hand Pallet Truck
5,500lb capacity



Walkie Pallet Truck
4,500lb capacity



Center Control Rider
6,500lb capacity



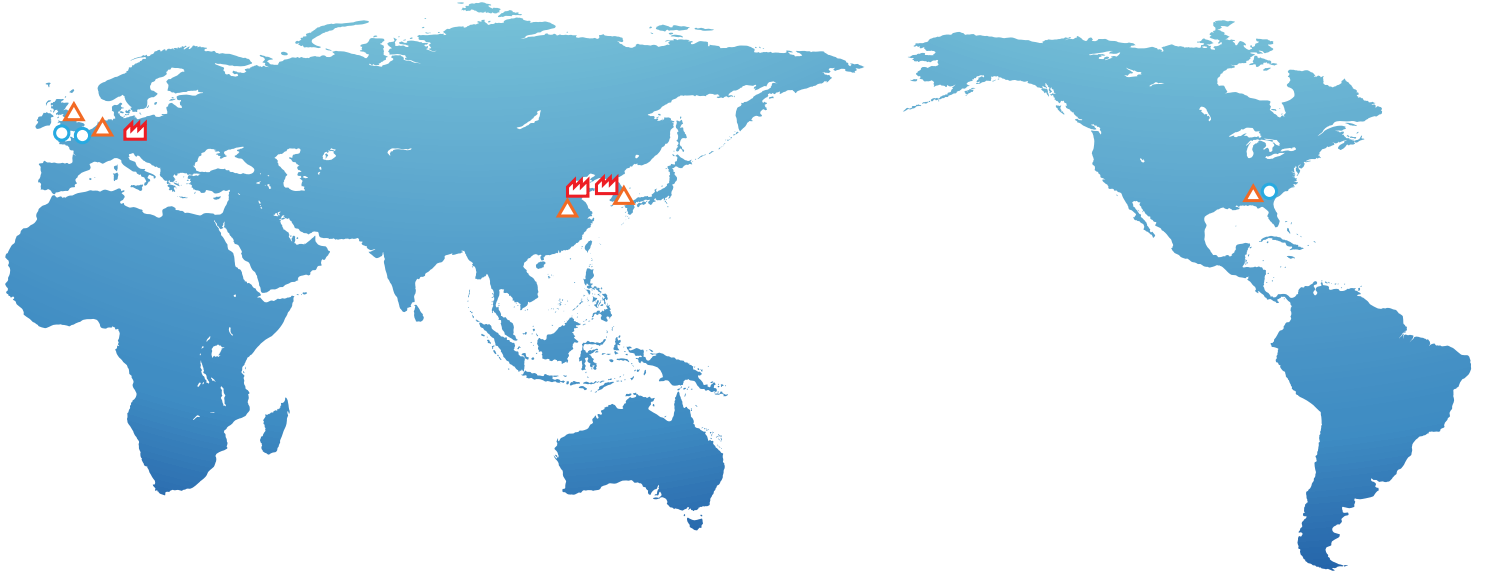
Tugger
10,000lb towing capacity



Walkie Stacker
3,300lb capacity



Walkie Reach Stacker
3,300lb capacity



- Production Subsidiary
- Sales Subsidiary
- ▲ Parts Depot Center



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

2019 Dec

Authorized Dealer