



GC15S-9 / GC18S-9 / GC20SC-9  
GC20S-9 / GC25S-9 / GC30S-9 / GC33S-9  
GC35S-9 / GC45S-9 / GC55C-9  
GC35BCS-9 / GC45BCS-9 / GC55BCS-9

## 9 SERIES FORKLIFTS

Internal Combustion Cushion Tire Forklifts  
LP 3,000 lb. to 12,000 lb. Capacity




# Leading the way

The new world class 9 Series trucks from Doosan

The new 9 Series of 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 9 Series trucks exceed the highest demands for safe operation.

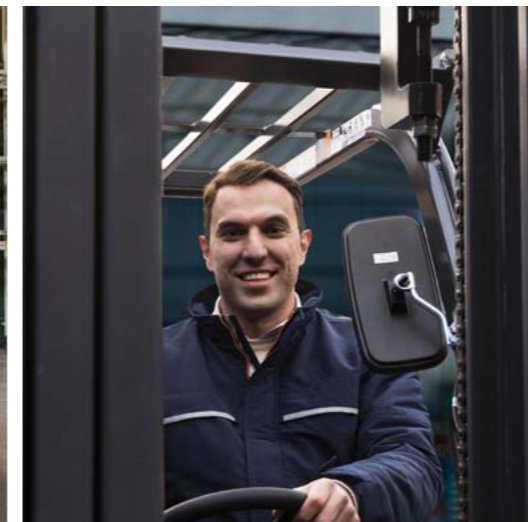
Doosan guarantees the highest quality of engines and its components, because we use well-proven engines, which also means we guarantee the best supply of spare parts at the most competitive prices. Robust chassis design and heavy duty build quality ensure Doosan's 9-series is enough for any application.



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

**PRODUCTIVITY**

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



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

**SERVICEABILITY**

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

“ The robustness of the Doosan truck gets the toughest of jobs done ”

**SAFETY AND ERGONOMICS**

- Electronic parking brake
- Robust frame structure
- Operator Sensing System(OSS)
- Anti cinching type seat belt



## Features overview

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



The IF Award is an global design competition. Doosan GC-9 series forklift wins the **iF DESIGN AWARDS 2019**.

GC15S-9



GC25S-9



GC35S-9



GC45BCS-9



### PRODUCTIVITY GAINS

**Powerful and Reliable Powertrain**  
- 1/4T : PSI Engine  
- 2T : GCT Engine

**Oil-Cooled Disc Brakes (ODB)**

**Dual Element Air Cleaner**

**Applied visibility Mast (for 2.0/2.5T)**

**Increased Cooling capacity**

### ENHANCED SAFETY

**Operator Sensing System (OSS)**

**Robust Frame Structure**

**Strong Structure Overhead Guard**

**Anti Cinching type, Orange color Seat belt**

**Round view mirror (2/4T)**

### ERGONOMICS DESIGN

**Large and Easy Grip Entry Bar**

**Easy to get on / off by lowering the height of the step plate**

**New Display (Pin Code access, Eco Mode select function)**

**Telescopic and tilting Steering Column**

**USB Port for charging mobile phone**

**Sears seat is applied / Added Document clip**

**Electronic Parking system**

### BETTER SERVICEABILITY

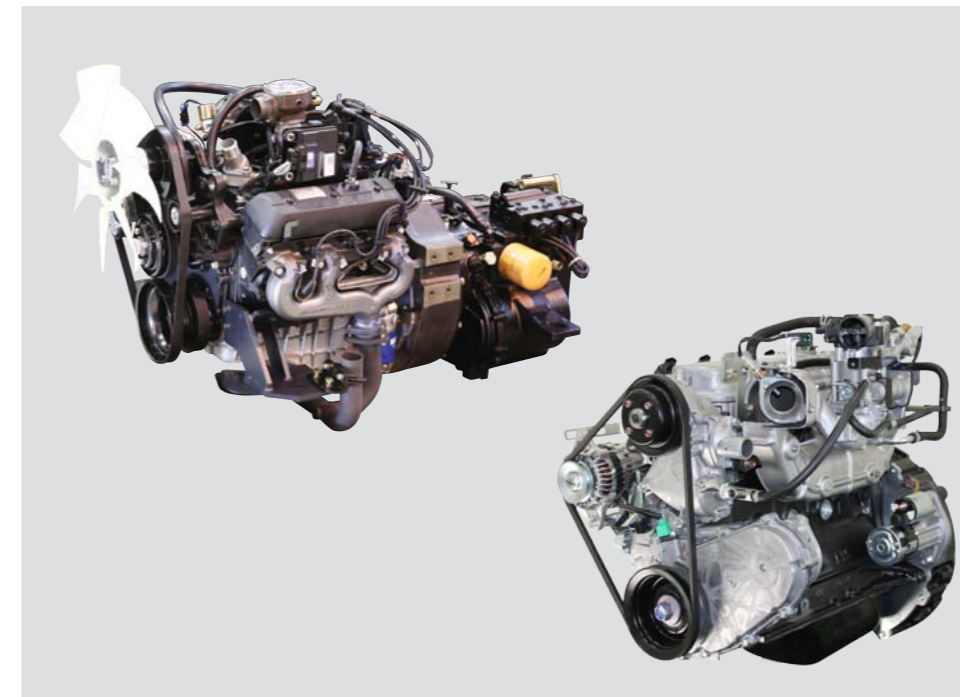
**Wide angle Open Hood w/ Locking Type Gas Spring**

**Tool-Less Side Panel and Floor Plate**

**Junction Box : Integration of Fuses and Relays**

**Increase Oil change cycle (500hrs à 2000hrs)**

# Productivity gains



### PSI Engine (1ton / 4 ton)

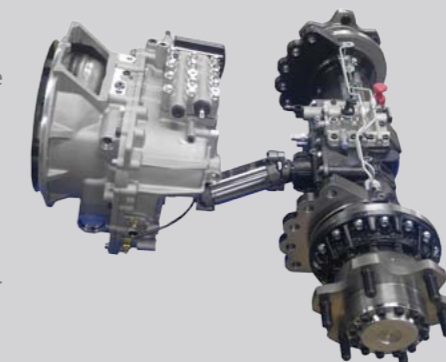
Superior engine performance is driven by an ECU that intergrates and coordinates all critical functions including: governor, variable ignition timing, air-fuel ratio control and engine protection.

### GCT Engine (2ton)

GCT GK25 LP engine provides excellent performance, Low noise, Low vibration and Durability. The reliability and durability of this engine are already proven in the industrial engine field. Also this engine meets CARB and EPA emission regulation.

### Tranmission & Drive axle

The Drive axle applies electronic parking brake and it provides convenience. No negative effect on braking due to environmental influences or service related downtime due to the enclosed design. Drive axle and Transmission are separate type and Full floating drive axle is advantageous for vibration.



### Increased Durability

By Nodular iron crankshaft has undercut & rolled fillets

### Improved Fuel consumption

By using roller valve lifters for reduced friction and improved fuel economy

### ODB (Oil cooled Disk Brake)

There are 3 to 5 double slided 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



### Multi-engine performance mapping system

Doosan offers 2 performance engine maps, which gives you the choice between STD mode and Eco mode. Eco mode limits engine performance but can reduce the fuel consumption by approximately 5%.

# Productivity gains

## Excellent Visibility and Improved Pedal Force



Neatly arranged hydraulic hoses and chains provide clear front visibility through the wide view mast.



### Improved Pedal Force

Improvement of Inching Valve Structure and Increase of Brake Capacity. It is reduced the pedal force by 35% than previous model.



# Ergonomics Design

## Display

Various functions are added, and it is possible to operate through the display.



## Electronic Parking Brake

Easy to operate and provides comfort.



Large Grab bar

Sears Seat

Comfortable Steering Wheel Size

Tilting & Telescopic steering column



## USB Port

Possible to charge your phone and get a blue light for easy location



## Document clip

located on the right side of the seat for simple paperwork.



## Lower Anti Slip Step Plate

Enables easy entry and exit. Also wide anti slip step plates keeps operator's safety in any weather condition. It is easy to get on/off the truck for lower height

# Enhanced Safety



### 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.



### Round view mirror (2/4T)

Increase safety by securing rear view ability with a round view mirror



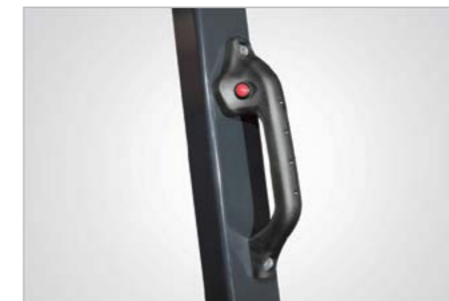
### Large panoramic mirror (Option)

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



### Safety Light (Option)

The safety light is an driving path warning system for passenger's safety especially in aisles, corners and in confusing crossing areas.



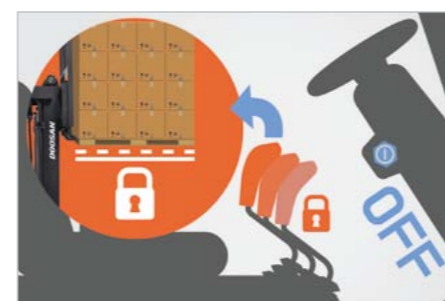
### Rear grab handle with horn (Option)

The horn button on the rear assist grab bar enhances the comfort and safety while traveling in reverse by allowing the operator to sound the horn and still maintain full control of the vehicle.



### Anti-Cinch Type Seat Belt

This provides not only comfort but safety to operator, thanks to the function which is not locking in the normal operation and working at a sudden accidents.



### Mast Inter-lock (ISO 3691)

If the operator gets off the seat or turn off the forklift, the hydraulic tilt, lift and lower locking system will be activated automatically.



### Seat Belt Interlocking (Option)

Truck will not move without fastened seat belt. Tilt, Lift and Lower function disabled if the seatbelt is not fastened.



### 4th Lever Interlocking (Option)

Very useful at the application where the clamp attachment is used. It prevents the cargo dropping accidents by touching 4th lever unconsciously.

# Better Serviceability



### Easy to access

- Integrated Electrical Components.
- Wide hood opening range for best accessibility.
- Tool-less floor plate.
- Great location of fuel filter for serviceability.
- Optimized location to service :  
 Battery, air cleaner, filters, dipstick gauges  
 Integration of fuses and relays

### 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.



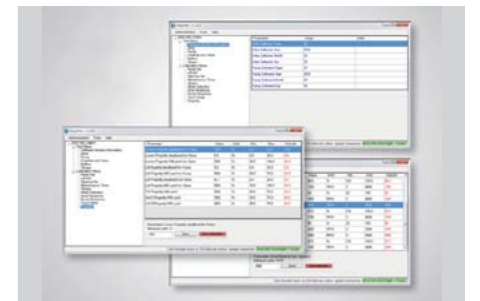
### Doosan Genuine Parts

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



### Increased Oil Change Cycle

Change cycle interval is 2,000hrs



### 4G Display (1ton / 4ton)

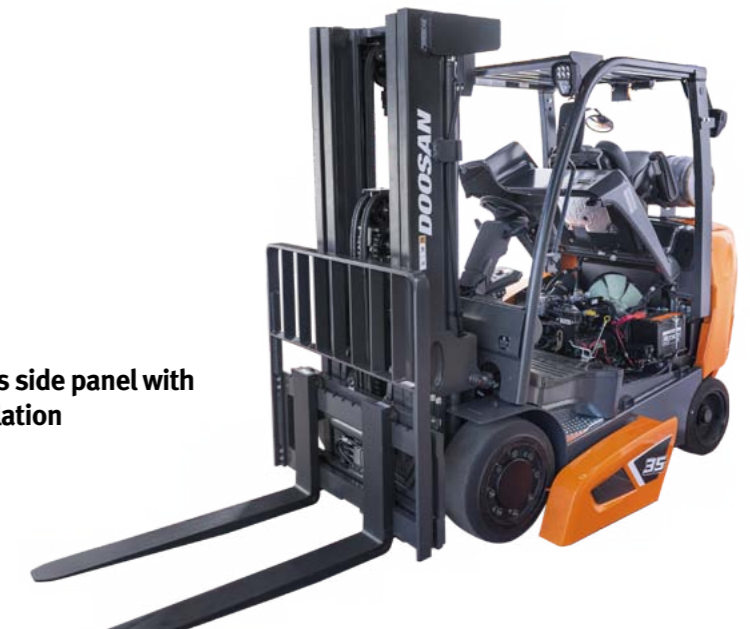
To examine the forklift and set the program with notebook only (without a special tool)



### 2 Pices Floor Mat

Easy to install and remove

### Tool- less side panel with air ventilation







**ALL-ROUND PLAYER  
IN THE VARIOUS APPLICATION**



A	B	C	D
15.5	19.5	24.5	28.5
120 00.0			

42  
80 DB  
246 8 030-1  
Hbbins-tt

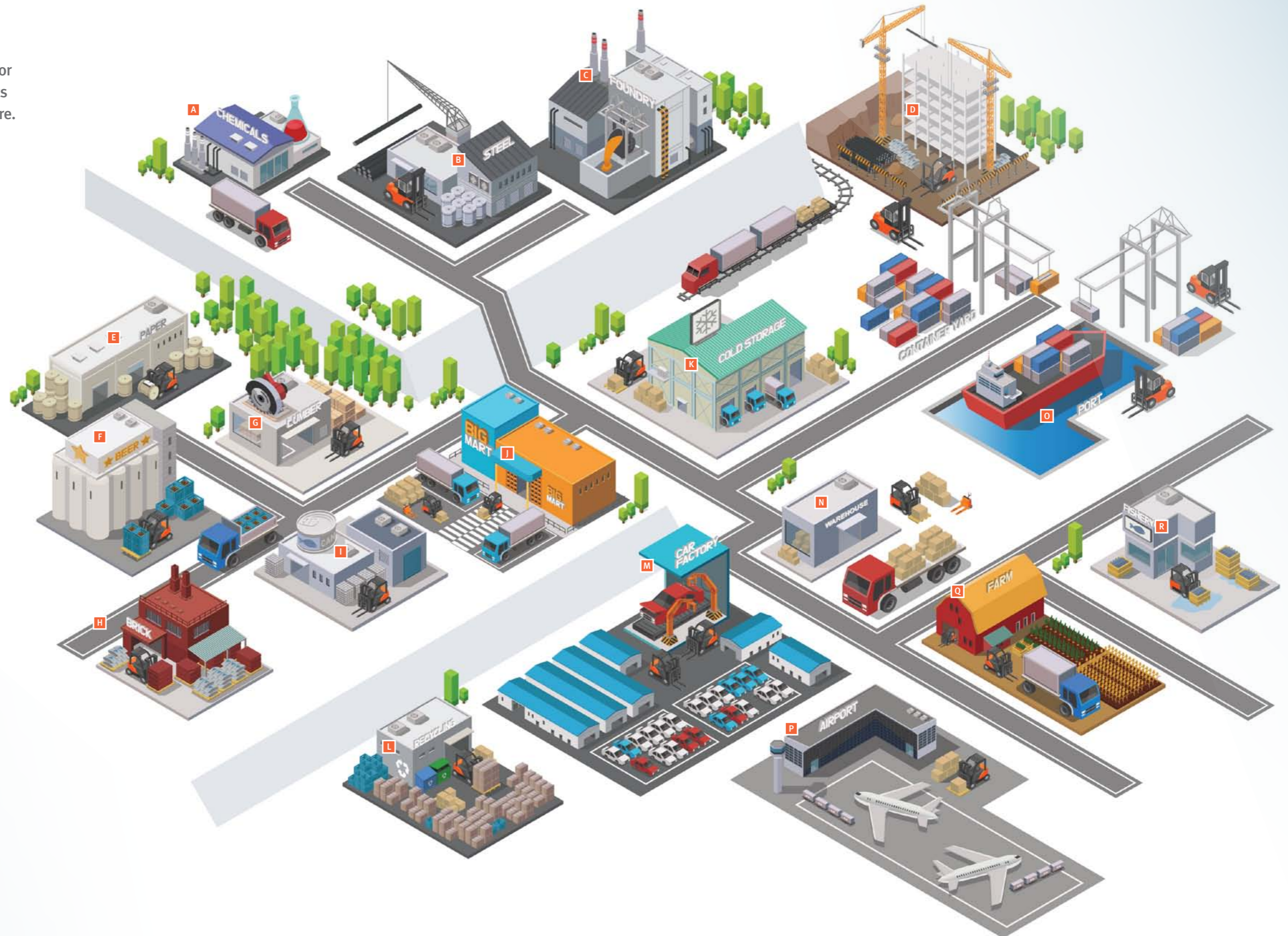
14.6m  
37.7m  
119.7m  
15.80m  
16 330kg

P. 480

## The best proposal for every application

Doosan can provide you with the best proposal for your operation, from internal combustion forklifts to electric warehouse equipments and much more. Please contact Doosan to discuss your needs.

- A** Chemical factory
- B** Steel factory
- C** Foundry
- D** Construction site
- E** Paper factory
- F** Beverage warehouse
- G** Lumber factory
- H** Building material factory
- I** Food Processing factory
- J** Whole sale
- K** Cold storage warehouse
- L** Recycling site
- M** Automotive factory
- N** Warehouse
- O** Port
- P** Airport
- Q** Farm
- R** Fishery warehouse



# Main Specifications

MAJOR SPECIFICATION		GC15S-9	GC18S-9	GC20SC-9	GC20S-9	GC25S-9	GC30S-9	GC33S-9	GC35S-9	GC35S-9 BCS	GC45S-9	GC45S-9 BCS	GC55C-9	GC55C-9 BCS
Load Capacity	lb/kg	3,000 (1,500)	3,500 (1,750)	4,000 (2,000)	4,000 (2,000)	5,000 (2,500)	6,000 (3,000)	6,500 (3,250)	8,000 (3,620)	10,000 (4,500)	12,000 (5,500)	8,000 (3,620)	10,000 (4,500)	12,000 (5,500)
Load Center	inch/mm	24 (500)	24 (500)	24 (500)	24 (500)	24 (500)	24 (500)	24 (500)	24 (600)	24 (600)	24 (600)	24 (600)	24 (600)	24 (600)
Load Distance: Center of Driveaxle to fork	inch/mm	15.5 (394)	15.5 (394)	15.7 (399)	16.3 (415)	16.3 (415)	16.5 (420)	16.5 (420)	17.6 (447)	18.0 (457)	17.9 (454)	17.6 (447)	17.6 (447)	17.9 (454)
Wheelbase	inch/mm	50.6 (1,285)	50.6 (1,285)	50.6 (1,285)	56.3 (1,430)	56.3 (1,430)	56.3 (1,430)	56.3 (1,430)	61.8 (1,570)	70.5 (1,790)	70.5 (1,790)	61.8 (1,570)	61.8 (1,570)	70.5 (1,790)
Height, Mast lowered	inch/mm	78 (1,980)	78 (1,980)	78 (1,980)	83.9 (2,130)	83.9 (2,130)	83.9 (2,130)	83.9 (2,130)	86.0 (2,185)	86.0 (2,185)	86.0 (2,185)	86.0 (2,185)	86.0 (2,185)	86.0 (2,185)
Free Lift	inch/mm	5.1 (130)	5.1 (130)	5.3 (135)	5.8 (147)	5.8 (147)	6 (152)	6 (152)	6.3 (160)	6.3 (160)	6.3 (160)	6.3 (160)	6.3 (160)	6.3 (160)
Lift	inch/mm	118 (3,000)	118 (3,000)	118 (3,000)	127 (3,230)	127 (3,230)	127 (3,230)	127 (3,230)	118.1 (3,000)	118.1 (3,000)	108.3 (2,750)	118.1 (3,000)	118.1 (3,000)	108.3 (2,750)
Height, Mast Extended	inch/mm	159.3 (4,045)	159.3 (4,045)	159.4 (4,050)	176.4 (4,480)	176.4 (4,480)	176.4 (4,480)	176.4 (4,480)	168.0 (4,265)	173.8 (4,415)	164.0 (4,165)	168.0 (4,265)	173.8 (4,415)	164.0 (4,165)
Height of Overhead Guard(Cabin)	inch/mm	81 (2,060)	81 (2,060)	81 (2,060)	83.6 (2,125)	83.6 (2,125)	83.6 (2,125)	83.6 (2,125)	84.8 (2,155)	84.8 (2,155)	84.8 (2,155)	84.8 (2,155)	84.8 (2,155)	84.8 (2,155)
Height of Seat	inch/mm	41.5 (1,055)	41.5 (1,055)	41.5 (1,055)	43 (1,095)	43 (1,095)	43 (1,095)	43 (1,095)	43.5 (1,105)	43.5 (1,105)	43.5 (1,105)	43.5 (1,105)	43.5 (1,105)	43.5 (1,105)
Overall Length	inch/mm	124.1 (3,152)	124.9 (3,173)	127.1 (3,228)	130.9 (3,325)	133.1 (3,380)	135.4 (3,440)	136.8 (3,475)	149.2 (3,790)	153.1 (3,890)	155.5 (3,950)	144.9 (3,680)	148.5 (3,773)	151.8 (3,855)
Length to Forkface	inch/mm	82.8 (2,102)	83.6 (2,123)	85.7 (2,178)	89.6 (2,275)	91.7 (2,330)	94.1 (2,390)	95.5 (2,425)	102.0 (2,590)	105.9 (2,690)	108.3 (2,750)	97.6 (2,480)	101.3 (2,573)	104.5 (2,655)
Overall Width	inch/mm	37 (940)	37 (940)	37 (940)	41.9 (1,065)	41.9 (1,065)	43.7 (1,110)	43.7 (1,110)	50.0 (1,270)	55.9 (1,420)	55.9 (1,420)	50.0 (1,270)	55.9 (1,420)	55.9 (1,420)
Turning Radius	inch/mm	71.9 (1,826)	73.5 (1,867)	74.4 (1,891)	76.2 (1,935)	78 (1,980)	80.3 (2,040)	81.5 (2,070)	90.5 (2,298)	95.1 (2,415)	97 (2,463)	82.8 (2,104)	87.9 (2,232)	94.5 (2,400)

# Standard Features and Optional Extras

SAFETY & STABILITY	OPERATOR COMFORT (ERGONOMIC)	PRODUCTIVITY	DURABILITY & SERVICEABILITY
Direction Lever Function	Adjustable Steering column	Electric Controlled TCI(Turbo Charged Intercooler) Doosan Engines	Electronic Control Units(ECU) Cover
Mast Lowering Interlock	Integrated Instrument Panel	Pedal Location(Accelerator, Brake and Inching)	Use waterproof connectors
Operation Sensing System	USB Port	Inching Pedal	Dual Element Air Cleaner
ELR Type Orange Seat Belt	Document Clip	Powershift Transmission	Easy to Service
Round View Mirror (2ton / 4ton)	Sears Seat	Full Floating Driveaxle (w/ ODB)	- Integrated Electric Components (Relays and Fuses)
Combination Lamps(LED)	Electronic Parking Brake	Dual Element Air Cleaner	- Tool-less Footplate
Autoshift Controller	Clip Board	Weight Scale	- Wide Hood Open Range
Panoramic Mirror	Grammer Seat	Box Car Special	2 Pieces Floor Mat
Rear Grab Bar	Mono-Ped	Vented Side Panel	Pre-Cleaner
Back-up buzzer	Steering Knob		Radiator Screen
Swing Out and Down LP Cradle	Cup hold		Heavy Duty Cooling Package
	Fan		

■ Standard features  
■ Optional extras

\* 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.

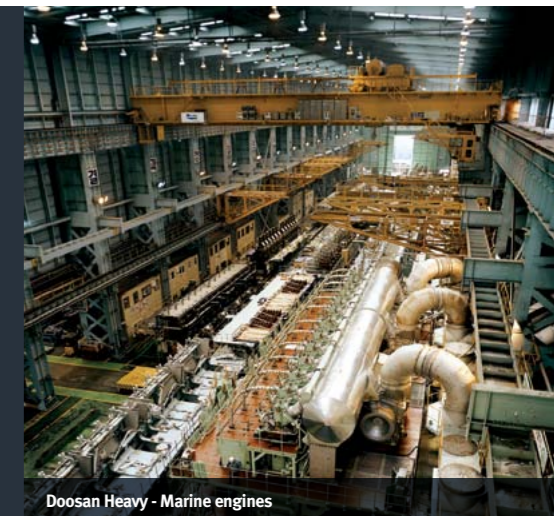
## Doosan, surging as a global company

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 21<sup>st</sup> 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

2019 Feb

Authorized Dealer



Doosan Corporation Industrial Vehicle  
Web site: [www.doosan-iv.com](http://www.doosan-iv.com)

