



Doosan Infracore  
Forklifts

## Cushion Forklift Trucks

GC15S/GC18S-5 & GC20SC-5

GC20E/GC25E/GC30E/GC33E-5

GC20P/GC25P/GC30P/GC33P-5

**PRO5**  
SERIES

**PRO5**  
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GC15S/GC18S-5 & GC20SC-5  
1500kg, 1750kg, 2000kg  
Cushion Tire



GC20E/GC25E/GC30E/GC33E-5  
GC20P/GC25P/GC30P/GC33P-5  
2000Kg, 2500kg, 3000kg  
Cushion Tire



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AUTHORIZED DEALER

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



## *Redesigned....From The Ground Up!*

Doosan's Outstanding Reputation for Durable, Dependable and Operator Friendly forklifts is Further Enhanced with Our New 1,500kg to 3,000kg Heart-of-the-Line Pro 5 Series. Providing a Well Balanced Mix of Enhanced Technology, Operator Comfort Refinements, Performance Efficiencies and Serviceability Advances, These New Cushion forklifts will Increase Productivity and lower your Operating Costs with Features Like:

- ✓ *Optimized Operator Comfort Provisions*
- ✓ *High Powered, Fuel efficient, and Tier-3 Compliant LPG Engine*
- ✓ *Virtually Maintenance-free Oil cooled Disc Brakes*
- ✓ *Power Reversal Transmission*
- ✓ *Lift and Tilt Locking Hydraulic Control Valve*
- ✓ *OSS(Operator Sensing System)*





# A Comfortable Operator Enhances Truck Performance

Our ergonomically designed and spacious operator compartment combined with a variety of operational enhancements will facilitate ease of operation and help boost output in any application.



## Operator Friendly Features Include:

- **Spacious and Well Planned Operator compartment**

Ample operator leg room, tiltable steering column and ergonomically positioned operator pedals combined with a low cowl height facilitate ease of operation.



- **Integrated Instrument Panel**

The centralized and integrated easy-to-read instrument panel maximizes operator efficiency. Fuel gauge, engine hour meter, engine oil pressure, coolant and transmission temperature, mast interlock, transmission neutral, seat belt, brake oil level indicator keeps operator aware and informed of all vehicle performance systems.



- **Convenience Package**

Handles refreshments, paperwork, small tools, etc. for operator efficiency.



- **Auto Tilt Leveling (Optional)**

Returns mast to upright vertical position with the push of a button.



- **Operator Sensing System**

- ✓ Parking alarm : Alarm warning when operator leaves the seat without applying parking brake
- ✓ Seat belt indicator : Seat belt warning light for 10 seconds reminds operator to fasten seat belt
- ✓ Neutral shift feature : Transmission is automatically shifted into neutral when the operator leaves the seat.



- **Rear Grab Bar with Horn (Optional)**

When operator drives in reverse, rear grab bar enables horn activation to alert surrounding personnel.



# Engine Compartment Designed for Service Ease



## High Powered and Fuel - Efficient LPG Engines Provide High Performance Levels

The Doosan forklifts powerful 2.0L, 2.4L LPG engine for reduced emissions. These in-line, 4-cylinder, water cooled, overhead valve engines provide high torque at low engine speeds for applications requiring ramp loading and unloading, fast lift speeds, or heavy hydraulic flow requirements.



### ● G420F(E) LPG Engine

The low fuel consumption and highly-efficient 2.0 liter G420F(E) LPG engine includes automatic valve lash adjusters which help to reduce engine maintenance. Five main bearings provide a solid and stable support base to the crankshaft for additional durability and longer life.



### ● G424F(E) LPG Engine

The optional 2.4 liter G424F(E) LPG engine provides greater torque and higher performance. The engine includes automatic valve lash adjusters which help to reduce engine maintenance. Five main bearings provide a solid and stable support base to the crankshaft for additional durability and a longer life.

### ● Integration of Electrical Components for Easy Maintenance

Fuse and relay box located in front of engine.



### ● Dual Element Air Cleaner

Heavy duty air cleaning system extends engine service life and allows clean, cool air into the engine intake system.



### ● Tool - less Side Cover and Floor Plate Simplifies Serviceability





# A Hallmark of Durability and Reliability



DRIVE THE DIFFERENCE...

## Doosan's Goal is to Make Your Material Handling Operation as Efficient and Reliable as Possible by Minimizing Your Forklifts Down Time to Reduce Overall Maintenance Cost.

### Oil- Cooled Disc Brakes(ODB)

Virtually maintenance-free, ODB is equipment on all 1,500kg~3,000kg series forklifts. The enclosed brake system eliminates outside contamination significantly extending the brake life up to 5 times longer when compared to conventional shoe brakes. That's why they come with our industry exclusive warranty.



### Power reversal transmission

Top mounted control valve  
✓ accurately modulates clutch oil pressure  
✓ smooth forward / reverse direction changes  
✓ long transmission life



Top located plug type test ports  
✓ easy to check and clean

### Full floating drive axle

Strong one-piece cast housing  
✓ axle components aligned  
✓ high tensile alloy steel axle shaft extends axle life



Splined side gear, drive hub gears transmit high torque to drive wheels

### Hydrostatic steering system

✓ Fully hydrostatic steering  
✓ Self-aligning taper roller bearings  
✓ Designed to operate in contaminated environments and high impact applications  
✓ Low effort steering and faster response



### Increased Cooling Capacity

Aluminum radiator provides excellent cooling capacity with improved air flow.



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# Proven Quality, Responsive Service and A Reliable Partner...

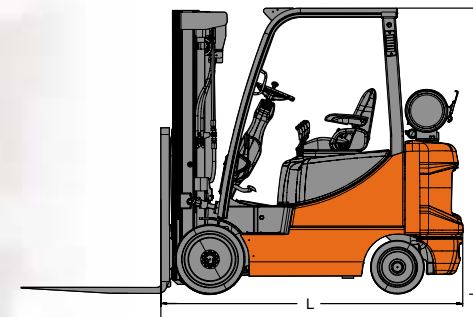
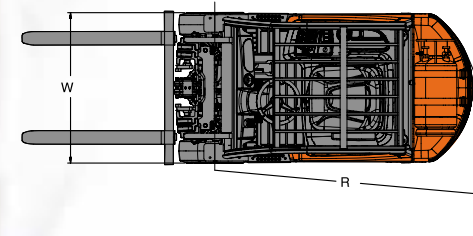
After sales servicing of Doosan forklifts is available from the selling dealership backed by Doosan's own customer service center. And Doosan provides 100% parts inventory to insure any downtime is minimized.

When you own a Doosan forklift, our high quality, responsive customer support team comes with it.

The Doosan network starts with your local dealer and ends with a national team of highly qualified and experienced personnel standing ready to support all your material handling needs.



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## Option Availability

● : Standard   ○ : Optional

| Options  | GC15/18S-5 & GC20SC-5 | GC20/25/30/33E-5 | GC20/25/30/33P-5 |
|--|-----------------------|------------------|------------------|
| Drive in Rack Overhead Guard                     | ○                     | ○                | ○                |
| Oil- Cooled Disc Brakes                          | ●                     | ●                | ●                |
| Precleaner                                       | ○                     | ○                | ○                |
| Catalytic Muffler                                | n/a                   | ○                | ○                |
| Modular Operator Cabin                           | n/a                   | ○                | ○                |
| Radiator Screen                                  | ○                     | ○                | ○                |
| Non Marking Tire(Solid)                          | ○                     | ○                | ○                |
| Mono Pad Foot Direction and Acceleration Control | ○                     | ○                | ○                |
| AutoShift (Single,Dual Tire)                     | ○                     | ○                | ○                |
| Engine Shutdown                                  | ○                     | ○                | ○                |
| Swingout LP MTG                                  | n/a                   | ○                | ○                |
| Swingdown LP MTG                                 | n/a                   | ○                | ○                |
| Lift and Tilt locking Hydraulic Control Valve    | ●                     | ●                | ●                |
| Auto Tilt Leveling                               | ○                     | ○                | ○                |
| Rear Grab Bar with Horn                          | ○                     | ○                | ○                |
| Quad Mast  | n/a                   | ○                | ○                |
| Hydraulic Accumulator                            | ○                     | ○                | ○                |
| Integral Sideshifter                             | ○                     | ○                | ○                |
| Integral Shifting Fork Positioner                | ○                     | ○                | ○                |
| Hook on Sideshifter                              | ○                     | ○                | ○                |
| UL LPS,DS Rating                                 | ○                     | ○                | ○                |

## Main Specification

| Sales Model                 |            | GC15S-5     | GC18S-5 | GC20SC-5 | GC20E-5     | GC25E-5 | GC30E-5 |
|-----------------------------|------------|-------------|---------|----------|-------------|---------|---------|
| Rated Load Capacity         | kg         | 1500        | 1750    | 2000     | 2000        | 2500    | 3000    |
| Load Center                 | mm         | 500         | 500     | 500      | 500         | 500     | 500     |
| Overall Length to Fork Face | L mm       | 2051.5      | 2106.5  | 2138.5   | 2218        | 2268    | 2333    |
| Truck Overall Width         | W mm       | 940         | 991     | 991      | 1110        | 1110    | 1110    |
| Height of Overhead Guard    | H mm       | 2060        | 2060    | 2060     | 2150        | 2150    | 2150    |
| Minimum Turning Radius      | R mm       | 1816        | 1881    | 1932     | 2000        | 2045    | 2105    |
| Travel Speed, Loaded        | km/h       | 18          | 18      | 18       | 16          | 16      | 16      |
| Lifting Speed, Loaded       | mm/s       | 600         | 600     | 600      | 530         | 510     | 500     |
| Wheel Base                  | mm         | 1225        | 1225    | 1225     | 1410        | 1410    | 1410    |
| Engine Models               |            | G420F(E)    |         |          | G420F(E)    |         |         |
| Rated Power of Engine       | kW(HP)/rpm | 34(46)/2300 |         |          | 40(54)/2500 |         |         |
| Max Torque                  | kgf.m/rpm  | 15/1600     |         |          | 16/1600     |         |         |
| Displacements               | cc         | 1975        |         |          | 1975        |         |         |

| Sales Model                 |            | GC33E-5     | GC20P-5     | GC25P-5 | GC30P-5 | GC33P-5 |
|-----------------------------|------------|-------------|-------------|---------|---------|---------|
| Rated Load Capacity         | kg         | 3000        | 2000        | 2500    | 3000    | 3000    |
| Load Center                 | mm         | 600         | 500         | 500     | 500     | 600     |
| Overall Length to Fork Face | L mm       | 2368        | 2218        | 2268    | 2333    | 2368    |
| Truck Overall Width         | W mm       | 1110        | 1110        | 1110    | 1110    | 1110    |
| Height of Overhead Guard    | H mm       | 2150        | 2150        | 2150    | 2150    | 2150    |
| Minimum Turning Radius      | R mm       | 2135        | 2000        | 2045    | 2105    | 2135    |
| Travel Speed, Loaded        | km/h       | 16          | 16          | 16      | 16      | 16      |
| Lifting Speed, Loaded       | mm/s       | 500         | 530         | 510     | 500     | 500     |
| Wheel Base                  | mm         | 1410        | 1410        | 1410    | 1410    | 1410    |
| Engine Models               |            | G420F(E)    | G424F(E)    |         |         |         |
| Rated Power of Engine       | kW(HP)/rpm | 40(54)/2500 | 48(64)/2550 |         |         |         |
| Max Torque                  | kgf.m/rpm  | 16/1600     | 19/2200     |         |         |         |
| Displacements               | cc         | 1975        | 2405        |         |         |         |

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