Cushion and Pneumatic Forklift Trucks

G35S / G40S / G45S-5 & G50C / G55C-5
GC35S / GC40S / GC45S-5 & GC50C / GC55C-5

7,000lb to 12,000lb Capacity

NEW
EPA Tier-3

G35S / GC40S / GC45S-5
7,000lb (3,500kg) 8,000lb (4,000kg) 9,000lb (4,500kg) 10,000lb (5,000kg) 12,000lb (5,500kg)
Cushion Tire

G35S / G40S / G45S-5 & G50C / G55C-5
7,000lb (3,500kg) 8,000lb (4,000kg) 9,000lb (4,500kg) 11,000lb (5,000kg) 12,000lb (5,500kg)
Pneumatic Tire

Doosan Industrial Vehicle America Corp.
2905 Shuenee Industrial Parkway,
Suwanee,GA 30024 U.S.A
Tel : 770-831-2200
Fax : 770-831-2250

Authorized Dealer

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

PSC083844-Sept.2011
Field Proven and Endurance Tested... To Give You the Best Forklift Value on the Market.

That’s what Doosan has put into the design, development and production of the D/G/GC45S-5 series, to provide customers with:

- Optimized Operator Comfort & Safety
- Proven and Durable Components
- High Powered and Fuel efficient Diesel and LPG Engines for High Performance including Low Emissions and Minimal Vibration
- Enhanced Maintenance and Serviceability
- Virtually Maintenance-free Oil Cooled Disc Brakes
- 2 Speed Autoshift Transmission
- Lift and Tilt Locking Hydraulic Control Valve
- OSS (Operator Sensing System)
- A Variety of Operator Friendly Features
Operator Comfort for Driver Efficiency is One of Doosan’s Top Priorities

Doosan forklifts are designed to keep your operation and operators running at peak efficiency. Enhanced comfort features ensures operators do not experience fatigue or strain during everyday operation.

Designed to be simple, and easily adjusted, this operator compartment will make your driver feel right at home.

• **High Visibility Overhead Guard and Front-end**
  Wider mast window, repositioned hydraulic hoses and flat bar style overhead guard optimizes operator sight lines forward, up and to the load.

• **Integrated Instrument Panel**
  The centralized and 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 ever aware of all vehicle performance systems.

• **Convenience Tray**
  Easily handles refreshments, paperwork, small tools, etc for operator efficiency.

• **Auto Tilt Leveling (Optional)**
  Easily returns mast to upright vertical position with the simple push of a button.

• **Deluxe Suspension Seat with OSS (Operator Sensing System)**
  A comfortable deluxe suspension seat with OSS (Operator Sensing System), a large seatback angle, longer seat travel length and operator's weight resistance on front side allow multiple adjustments for optimum seating comfort.
  - Parking alarm
  - Seat belt indicator
  - Neutral shift feature

• **Spacious Operator compartment**
  Wide open operator leg room, stepless tiltable steering column and ergonomically located operator pedals with a low cowl height facilitate ease of operation.

• **Optimum Pedal System (OPS)**
  Furnishes excellent feel of the drive system and the electronic accelerator provides secure and exact speed control.
Doosan’s Goal is to Make Your Material Handling Operation as Efficient and Reliable as Possible, by minimizing Down Time to Reduce Overall Maintenance Cost.

- **Oil-Cooled Disc Brakes (ODB)**
  Oil cooled disc brakes are available as an option on all D,G,C45S-5 series pneumatic and cushion forklifts and are especially recommended for applications in humid, abrasive or corrosive environments, or with ramp, loading and unloading applications. This enclosed brake system eliminates outside contamination, significantly extending brake life and decreasing maintenance costs. Oil cooled disc brakes have service intervals 5 times longer than conventional shoe brakes, and require little to no maintenance.

- **Power Reversal Transmission**
  Top mounted control valve on the transmission precisely modulates clutch oil pressure for smooth forward/reverse directional changes, permitting on-the-go shifting up to 5 mph.

- **Hydrostatic Steering System**
  - No mechanical connections between steering wheel and steer axle for reduced maintenance.
  - Easy Access grease fittings for proper lubrication.
  - Sealed tapered roller bearings offer protection against contamination and in high impact applications.
  - Provides low effort steering with quick steering response.

- **Air Cleaner**
  A large capacity, dual element air cleaner permits long service intervals. The primary filter can be washed and re-used up to 5 times. A high air intake on the overhead guard is standard, and aids in drawing clean, cool air into the engine intake system.

- **Full Floating Drive Axle**
  Strong one-piece cast housing keeps axle components aligned. High tensile strength alloy steel axle shafts extends axle life while splined side gear & drive wheel hub gears transmit high torque to the drive wheels.
A Hallmark of Durability and Reliability

High powered and fuel-efficient diesel and LPG engines provide high performance levels and insure long term power plant efficiency.

- **GM V6 4.3L (94HP)**
  The well known, proven GM 4.3L LP Gas engine has excellent durability. Low noise and minimal vibration features add to operators comfort. And engine complies with Tier-3 emission regulations.

- **Doosan Infracore DB58S (91HP)**
  This powerful 6-cylinder 5.8L diesel engine delivers excellent power to meet the needs of the most demanding applications. DB58S diesel engines comply with EPA Tier-2 emission regulations.

- **D439E 3.9L (91HP)**
  This 3.9 Liters Common Rail turbo-intercooler (air cooler) Diesel engine complies with EPA Tier-3 regulation. The electric governed engine control system provides high performance with a simplified diagnostic system. Four cylinders, Common Rail Direct Injection, full range electrical governor and a heavy duty fuel filter with water separator, all add up to a powerful and efficient power plant.
Proven Quality, Responsive Service and A Reliable Partner...

After sales service of Doosan forklifts is available from your authorized local dealer 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.

**Main Specification**

<table>
<thead>
<tr>
<th>Sales Model</th>
<th>DB45S-5</th>
<th>640S-5</th>
<th>644S-5</th>
<th>630S-5</th>
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<tbody>
<tr>
<td>Rated Load Capacity (ton)</td>
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<td>2.0</td>
<td>2.5</td>
<td>3.0</td>
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<tr>
<td>Overall Length (mm)</td>
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<td>Overall Width (mm)</td>
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| **Option Availability**

- **Standard**
  - Fuel Cap with Key
  - Preheater
  - Vertical Exhaust Tubing
  - Catalytic Muffler*
  - Modular Operator Cabin Type A/B/C
  - Full Operator Cabinet
  - Air Conditioner
  - Non Marking Tire(Solid)
  - Swing Arm Rake/Leaning
  - More Pedal Force and Acculturate Control
  - Automatic Auger Drive (Dual For)
  - Engine Shutdown
  - Tilt and Tilt Lockout hydraulic Control Valve
  - Auto Tilt Leveling
  - Rear Grab Bar with Horn
  - Hydraulic Accumulator
  - Integral Side Shifting Fork Positioner
  - Hook on Sidestacker

- **Optional**

  **Displacements (cc)**

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**DRIVE THE DIFFERENCE...**