



## Cushion Forklift Trucks

GC15S/GC18S-5 & GC20SC-5

GC20E/GC25E/GC30E/GC33E-5

GC20P/GC25P/GC30P/GC33P-5

3,000lb to 6,500lb Capacity

**PRO5**  
SERIES



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

Doosan's Outstanding Reputation for Durable, Dependable and Operator Friendly Cushions is Further Enhanced with Our New 3,000lb(1,500kg) to 6,500lb(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 Cushions will Increase Productivity and lower your Operating Costs with Features Like:

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



**DRIVE THE DIFFERENCE...**





**DRIVE DOOSAN !**



# *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.



**DRIVE THE DIFFERENCE...**

## ***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**

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



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# *Engine Compartment Designed for Service Ease*



*DRIVE THE DIFFERENCE...*

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

The Doosan forklifts powerful 2.0L, 2.4L LPG engine are EPA compliant 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.

## ● G420FE LPG Engine

The low fuel consumption and highly-efficient 2.0 liter G420FE 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.



## ● G424IE LPG Engine

This engine includes a silent chain timing belt that aids in the reduction of noise levels and helps to improve efficiency. An aluminum cylinder block and oil pan also help to reduce noise. Additionally, fuel efficiency is increased thanks to the use of abrasion resistant materials and specially designed 'beehive type' valve springs.



## ● G424FE LPG Engine

The optional 2.4 liter G424FE 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



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*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 standard equipment on all 3,000lb~6,500lb (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 5year/10,000 hour warranty.



## **Power reversal transmission**

Top mounted control valve  
✓accurately modulates clutch oil pressure  
✓smooth forward / reverse direction changes  
✓long transmission life  
✓permits up to 5mph on-the-go-shifting

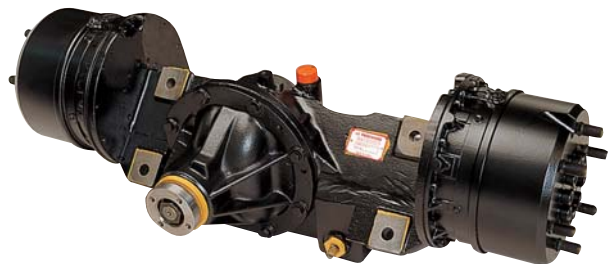
Top located plug type test ports  
✓easy to check and clean



## **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



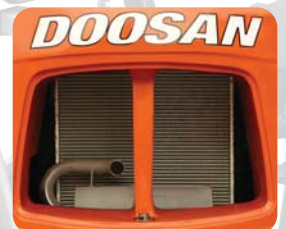
## **Hydrostatic steering system**

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

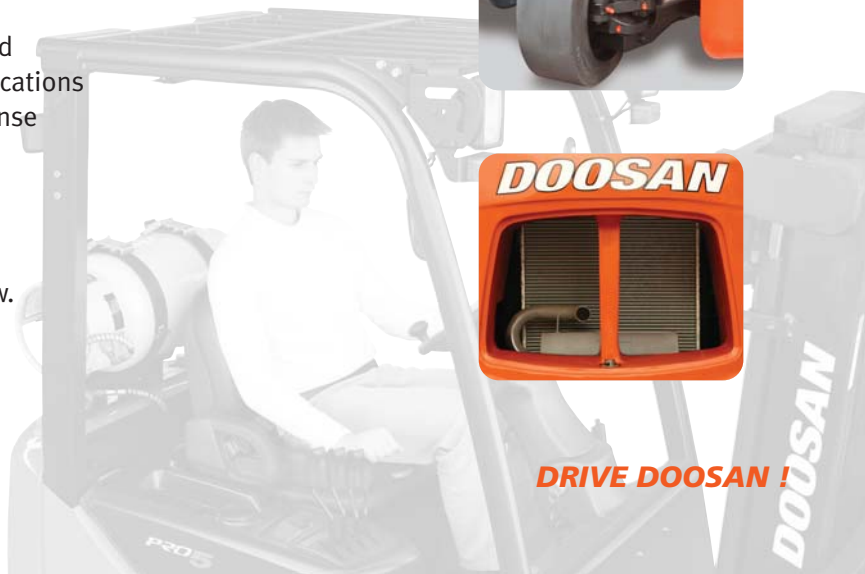


## **Increased Cooling Capacity**

Aluminum radiator provides excellent cooling capacity with improved air flow.



**DRIVE DOOSAN !**



***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.

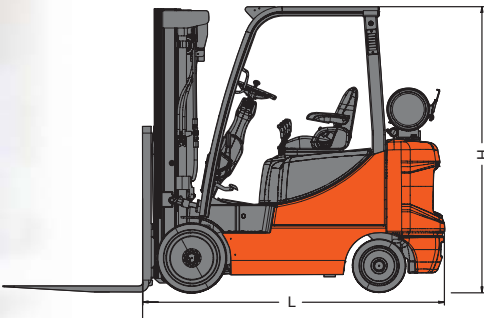
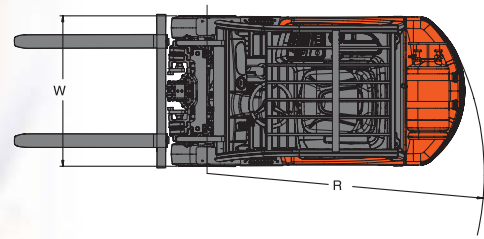


***DRIVE THE DIFFERENCE...***



## 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	●	●	●
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, Rating	○	○	○

## Main Specification

Sales Model		GC15S-5	GC18S-5	GC20SC-5	GC20E-5	GC25E-5	GC30E-5
Rated Load Capacity	lb(kg)	3000(1500)	3500(1750)	4000(2000)	4000(2000)	5000(2500)	6000(3000)
Load Center	in(mm)	24(500)	24(500)	24(500)	24(500)	24(500)	24(500)
Overall Length to Fork Face	L in(mm)	80.8(2051.5)	82.9(2106.5)	84.1(2138.5)	87.3(2218)	89.3(2268)	91.9(2333)
Truck Overall Width	W in(mm)	37(940)	39(991)	39(991)	43.7(1110)	43.7(1110)	43.7(1110)
Height of Overhead Guard	H in(mm)	81(2060)	81(2060)	81(2060)	84.6(2150)	84.6(2150)	84.6(2150)
Minimum Turning Radius	R in(mm)	71.5(1816)	74(1881)	76(1932)	78.7(2000)	80.5(2045)	82.9(2105)
Travel Speed, Loaded	mph(km/h)	11.3(18)	11.3(18)	11.3(18)	9.9(16)	9.9(16)	9.9(16)
Lifting Speed, Loaded	fpm(mm/s)	118.1(600)	118.1(600)	118.1(600)	104.3(530)	100.4(510)	98.4(500)
Wheel Base	in(mm)	48.2(1225)	48.2(1225)	48.2(1225)	55.5(1410)	55.5(1410)	55.5(1410)
Engine Models		G420FE			G424IE		
Rated Power of Engine	HP(kW) /rpm	46(34) /2300			65.3(48.7) /2600		
Max Torque	lb.ft(kgf.m) /rpm	112(15) /1600			137.2(19) /1900		
Displacements	cc	1975			4/4/2359		

Sales Model		GC33E-5	GC20P-5	GC25P-5	GC30P-5	GC33P-5
Rated Load Capacity	lb(kg)	6500(3000)	4000(2000)	5000(2500)	6000(3000)	6500(3000)
Load Center	in(mm)	24(600)	24(500)	24(500)	24(500)	24(600)
Overall Length to Fork Face	L in(mm)	93.2(2368)	87.3(2218)	89.3(2268)	91.9(2333)	93.2(2368)
Truck Overall Width	W in(mm)	43.7(1110)	43.7(1110)	43.7(1110)	43.7(1110)	43.7(1110)
Height of Overhead Guard	H in(mm)	84.6(2150)	84.6(2150)	84.6(2150)	84.6(2150)	84.6(2150)
Minimum Turning Radius	R in(mm)	84.1(2135)	78.7(2000)	80.5(2045)	82.9(2105)	84.1(2135)
Travel Speed, Loaded	mph(km/h)	9.9(16)	9.9(16)	9.9(16)	9.9(16)	9.9(16)
Lifting Speed, Loaded	fpm(mm/s)	98.4(500)	104.3(530)	100.4(510)	98.4(500)	98.4(500)
Wheel Base	in(mm)	55.5(1410)	55.5(1410)	55.5(1410)	55.5(1410)	55.5(1410)
Engine Models		G424IE		G424FE		
Rated Power of Engine	HP(kW) /rpm	65.3(48.7) /2600		64(48) /2550		
Max Torque	lb.ft(kgf.m) /rpm	137.2(19) /1900		135(19) /2200		
Displacements	cc	4/4/2359		2405		

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## PRO5 SERIES



**GC15S/GC18S-5 & GC20SC-5**  
3,000lb(1,500kg) 3,500lb(1,750kg) ,  
4,000lb(2,000kg)  
Cushion Tire



**GC20E/GC25E/GC30E/GC33E-5**  
**GC20P/GC25P/GC30P/GC33P-5**  
4,000lb(2,000kg) 5,000lb(2,500kg) ,  
6,000lb(3,000kg) 6,500lb(3,000kg)  
Cushion Tire

### Full Product Line

Doosan offers a full line of lift trucks from 3,000lb(1,500kg) to 36,000lb(16,000kg) to fill all your material handling needs. Contact your dealer for specific information on our various models and configurations.

### Complete Distribution Network

Doosan lift trucks are sold and serviced by 95 dealers at over 200 locations in the U.S and Canada. Call us at 1-800-323-9662 for the location of a dealer near you, or visit us at [www.doosanlift.com](http://www.doosanlift.com)

For corporate information go to :  
[www.dhiac.com](http://www.dhiac.com)



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AUTHORIZED DEALER

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

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