GEN2 Series

Diesel • LPG • Gasoline 2.0/2.5/3.0/3.5 ton

CLARK
THE FORKLIFT
The GEN2 Forklift has been developed with CLARK's leading edge technology.

The body is styled by US based industrial design specialist FITCH. The Millennium Forklift design is both stylish and elegant. With enhanced performance CLARK forklifts have evolved as the world’s best. Rest assured that you are choosing the best when you choose CLARK.
CLARK’s Gen2 series offers Superior Performance

Mast Bearing
Canted roller bearings reduce horizontal rail flex. The sealed roller bearings are permanently lubricated and ensure even distribution of the load to each bearing.

Compact overall width to fit in to confined work areas
Greater adaptability to narrow work areas exists because of the compact overall width. It's effective in applications where you have not been able to previously use 3.5 ton forklifts and where 3.0 ton forklifts provide insufficient load capacity. Excellent acceleration makes the C35 more efficient. It improves your work place productivity.

Excellent traveling capacity & stability
Offers rapid travel speed with the use of a wide track and large diameter drive tires.

Tilt Angle of Mast
A mast tilt angle of 8° forward and 10° backward helps the easy and efficient loading and unloading of raw or finished material. When installing attachments, it is easy to select the correct tilt angles by exchanging spacers and rod end without replacing tilt cylinders.

Superior Controllability
Brake system uses linings that have large contact surfaces. Auto-adjustment to allow for lining wear is standard. Effortless brake operation is provided by high quality friction pad material. A dust shield fitted to the brake system ensures superior brake operation in rainy or dusty environments and subsequently prolongs the life of the brakes. Also, a double action brake master cylinder increases the internal pressure by instantly providing large fluid flow. This helps reduce pedal travel and maintains smooth operation.

High-tech Hydraulic System
The hydraulic fluid control valve and pump are assembled and installed as a single unit. This feature restricts over 90% of fluid flow in the unlikely event of steering failure. The implementation of a tilt lock valve (which stops tilt operation when the engine is not running) and an anti stall function in the main valve result in superior performance and enhanced safety.
The C35 has great potential in narrow or tight work environments because of its optimized compact size. In many applications where users need attachments such as in the chemical, paper manufacturing and the food & beverage industries.
CLARK’s Gen2 series offers

Ergonomic Design

**Electrical Transmission**
Electric transmission controls provide fingertip direction selection. Transmission direction is controlled by electric solenoids lessening maintenance and repairs.

**Superior Vision**
The high visibility upright foosturing lift cylinders nested behind the mast rails and a high vantage point seating position provides for excellent driver visibility.

**Halogen Headlight and Tail Lamp**
Halogen headlights together with efficient tail lamps provide excellent illumination for indoor or night operation.

**Comfortable Driver’s Compartment**
A standard seat belt and optional side vangs are provided for operator safety. Seat itself is adjustable toward and back-ward, total of 150mm movement, and the back support angle is also adjustable in 3 stage, each allowing 10° movement. A durable molded seat with adjust-able backrest, 150mm total horizontal movement and backpocket for storage of manuals and other documents is also standard. Optional full suspension seat protects driver’s back.

**Ergonomically Designed Steering Column**
The steering wheel position can be adjusted to suit individual operator’s requirements. Total range of adjustment is 38°.
Centralized Instrument Dash Board
LED instrument cluster provides details of operational status, filter replacement and LPG fuel level.

1. Coolant temperature gauge
2. T/M oil temperature warning lamp
3. Hyd oil filter warning lamp
4. EG pressure warning lamp
5. Air filter warning lamp
6. Battery discharge warning lamp
7. Maintenance icon
8. Turn signal pilot lamp
9. Rear mirror
10. Optional demister lamp
11. Optional demister lamp
12. Air preheating pilot lamp
13. Seat test pilot lamp
14. Parking brake pilot lamp
15. Fuel gauge
16. Headlight switch
17. Rear light switch
18. Selection switch of function
CLARK's Gen2 series offers Superior Durability

LPG Engine
The highly fuel-efficient Mitsubishi 468A LPG engine is fitted with an IMPCO Cobra LPG system providing an extremely high degree of reliability and excellent performance. An optional power-up system can increase the rated horsepower by 20% to meet the demands of high load and extreme working condition applications.

Strong Structure
Interlocking uprights design utilizing specially rolled I-beam inner rail and C-channel section outer rails provide high strength under severe load condition and provide greater tolerance with unbalanced load situations.

Advanced Power

Higher strength mast
- Increased capacity fork bars provide more reliability and durability.
- Higher capacity lift chains.
- Revised stroke lift cylinders due to drive wheel tire size.

Reduction Emission

Hydraulic Steering System
Smother steering is made possible with an all hydraulic steering system and the sturdy steering axle is fitted with a shock resistant system making driving more comfortable.

Yanmar 4TNV94 Diesel engine
The Yanmar 4TNV94 Diesel DOHC engine comes complete with up-to-date design and modifications, ensuring the lowest harmful emissions like NDv, HC, CO, PM (Particulate Matter) which has a significant impact on humans, the environment and are class-tied as probable human carcinogen. Clark's standard diesel engine meets any emission regul-ation in the world like EPA Tier2 and Euro stage 2. This industry proven engine will provide the highest reliability and performance than any other conventional diesel engines in its class.

Oil Cooler
Heat Exchange Efficiency is increased with a separate Oil cooler incorporated in the radiator. The radiator is maintainable without the need to disassemble the counterweight and an optional dust shield screen can be fitted in front of the radiator reducing the efficiency loss from dust build up. A shield is fitted around the fan to reduce noise and to enhance the cooling effect by reducing air loss. Also, a protection guard is fitted around the radiator fan for additional safety.

Transaxle
The TA-30 transaxle developed by CLARK is exclusively designed for forklift use. Designed from engine to wheels in totality. For diesels, a high capacity torque converter is fitted as standard, making it the most powerful in its class. For LPG, when power-up engine option is used, the high capacity torque converter is also used.
High Strength One Body Frame

A one section frame made from high strength steel plate with the hydraulic oil tank on the right and the fuel tank on the left side completely protects the engine and axle from external shock.
CLARK’s Gen2 series offers
Easy Repair Maintenance

Wide Opening Engine Hood
A layered floor plate enables the disassembly without use of tools for easy maintenance. A wide opening engine hood provides easy access for maintenance while a gas cylinder makes effortless opening and closing possible.

LPG Tank Option
Optional swing type makes it easy to remove and replace LPG tank.

Inching System
A Mechanical Inching System is fitted. This is less prone to failure than hydraulic types and greatly enhances reliability.

Easy Repair Maintenance
Designed for easy engine and transmission oil checks.

Lower ownership cost and economical maintenance costs
The C35 fork lift will provide lower ownership cost compared to other 3.5ton forklifts. Fuel consumption is also very low for a truck of this capacity.
Air filter is easy to maintain and replace. An additional safety filter can be fitted for operation in severe dusty environments.

The Radiator can be repaired, maintained and replaced without disassembling the counter weight.

Spin-on filter for transmission and engine oil for easy maintenance.

Fuse box is placed next to foot pedal for easy access and checks.

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Safety

All CLARK forklifts, associated devices and tools are in conformance to CE, ANSI-ASME, OSHA and UL.

- **Start in neutral**: If the Gear lever is not positioned in neutral, the engine will not start.
- **Tilt Lock Valve**: Prevents the accidental forward tilting of the mast while engine is switched off.
- **Gas Cylinder with Automatic Lock**: Prevents accidental closure of hood.
- **Safety valve**: Prevents accidental uncontrolled lowering in the event of oil pressure hose damage.
- **Forward and reverse travel is not possible whilst the parking brake is in the on position.**
CLARK’s Gen2 series offers

Excellent Performance & High Productivity

The most versatile forklifts in the industry

Gen2 series C20/25/30/35 Model have gained an excellent reputation in the world market by achieving the best productivity. It makes your business more profitable with great performance with economic cost.
Shock Absorption System

The driver's compartment is fitted with a shock absorption system that reduces vibration impact and engine noise (78dB). This ensures enhanced driver comfort and superior frame durability.
<table>
<thead>
<tr>
<th>CHARACTERISTICS</th>
<th>MODEL</th>
<th>C 20D</th>
<th>C 20L</th>
<th>C 25D</th>
<th>C 25L</th>
<th>C 30D</th>
<th>C 30L</th>
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<td>Max. Gradiability With Load</td>
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<td>Oiling Pressure</td>
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**STANDARD SPECIFICATIONS**

**DIMENSIONS**

**PERFORMANCE**

**WEIGHT**

**CHASSIS**

**ENGINE AND TRANSMISSION**

*Materials and specifications are subject to change without notice.*

![Image of a forklift](image-url)
## MAST SPECIFICATIONS & RATED CAPACITIES

<table>
<thead>
<tr>
<th>Mast Type</th>
<th>Maximum Fork Height</th>
<th>Overall Height of Mast</th>
<th>Free Lift</th>
<th>Till Range</th>
<th>Load Capacity at 500mm</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>mm</td>
<td>mm</td>
<td>mm</td>
<td>mm</td>
<td>kg</td>
</tr>
<tr>
<td></td>
<td>Mast Lowered</td>
<td>Mast Extended</td>
<td>With LBR</td>
<td>Without LBR</td>
<td>With LBR</td>
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<tr>
<td>2.8 - 2.5 km Mast</td>
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<td>2652</td>
<td>2649</td>
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<td>2120</td>
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<td>2Stage Mast</td>
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<td>2652</td>
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<td>3Stage Mast</td>
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<tr>
<td>Hi-Lo Mast</td>
<td>2120</td>
<td>2652</td>
<td>2649</td>
<td>2650</td>
<td>2120</td>
</tr>
</tbody>
</table>

### 2.8 - 2.5 km Mast
- Maximum Fork Height: 2120 mm
- Overall Height of Mast: 2652 mm
- Free Lift: 2649 mm
- Till Range: 2650 kg
- Load Capacity at 500mm: 2652 kg

### 2Stage Mast
- Maximum Fork Height: 2120 mm
- Overall Height of Mast: 2652 mm
- Free Lift: 2649 mm
- Till Range: 2650 kg
- Load Capacity at 500mm: 2652 kg

### 3Stage Mast
- Maximum Fork Height: 2120 mm
- Overall Height of Mast: 2652 mm
- Free Lift: 2649 mm
- Till Range: 2650 kg
- Load Capacity at 500mm: 2652 kg

### Hi-Lo Mast
- Maximum Fork Height: 2120 mm
- Overall Height of Mast: 2652 mm
- Free Lift: 2649 mm
- Till Range: 2650 kg
- Load Capacity at 500mm: 2652 kg

*Materials and specifications are subject to change without notice.*

*For more safety when you order high MHz mast, you are strongly recommended to keep the following suggestions:*

1. *2.8*2.5 mm MHz mast must be used with wide drive tire order.
2. *32*44 mm MHz mast must be used with dual drive tire order.

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### LOAD CAPACITY CHART

![Load Capacity Chart](chart.png)

**kg**

**mm**

- **C26D/L**
- **C25D/L**
- **C30D/L**
- **C35D/L**
CLARK specializes in manufacturing forklift trucks. CLARK provides the first class quality and service. For more than 80 years, CLARK has been setting the industry standard for on-the-job performance, reliability and durability in material handling equipment.

CMHA ISO 9001/14001 QUALITY

CMHA’s relentless pursuit of high quality and environmentally friendly standards has resulted in ISO 9001/14001 certification for design, development, production, installation and service of Forklifts.