

CLARK MATERIAL HANDLING COMPANY



**CGC40/45/50/55/60/70**

CUSHION - LPG • 4.0/4.5/5.0/5.5/6.0/7.0 TON  
8000/9000/10,000/11,000/13,500/15,500 lbs. (4000-7000 kg)



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## SOLID PERFORMER



### SO YOU SAY YOU WANT DURABILITY

THE CGC40/70-SERIES PROUDLY ADDS TO CLARK'S UNIQUE HISTORY OF BUILDING THE BEST FORKLIFTS WITH EVOLUTIONARY STEPS IN ERGONOMICS, POWER, SAFETY, DURABILITY, AND PERFORMANCE. THESE MODELS, DESIGNED FOR DISTRIBUTION, MANUFACTURING AND WAREHOUSING OF ALL TYPES, ARE SUITED FOR THE TOUGHEST APPLICATIONS.

**CLARK**  
FORKTRUCKS

## DURABLE. PERIOD.

**ONE-PIECE FRAME** made from formed and welded steel plate protects against impact damage and extends useful life of the truck. CGC60/70 models have tilt cylinders mounted overhead, anchored with heavy frame structure. Frame members provide additional operator protection and reduce upright deflection for increased stability and load control.

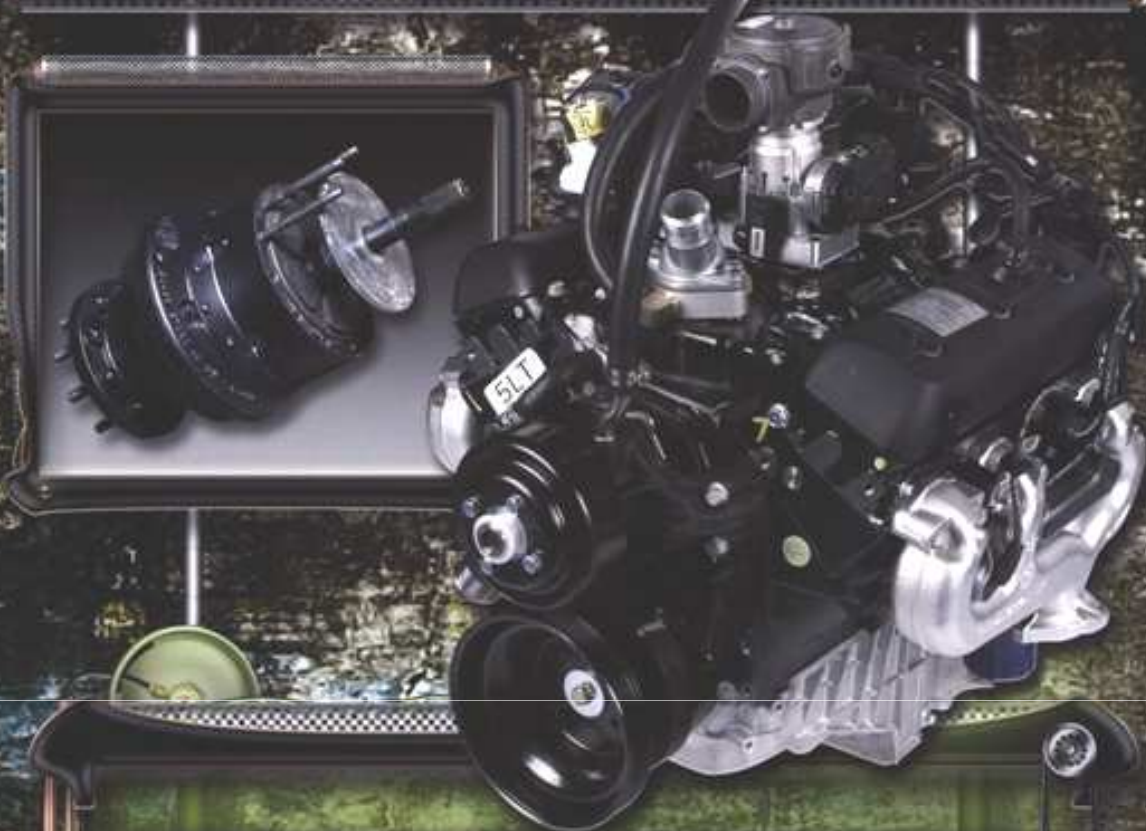
**TRANSAXLE** The integral axle and transmission allow direct connection of transmission output to the axle gearing with no exposed seals or driveshafts to wear or collect debris. A common sump allows both axle and transmission lube to be cooled with the transmission cooling system. Modulated forward-reverse shifts prevent shocks to gearing and wheel spin. An inching valve controlled with the left brake pedal provides smooth transmission engagement and allows fast lifting while controlling travel speed. Heavy-duty torque convertor, clutches, and axle gearing extend life and minimize service requirements. Two speeds are standard on CGC60/70 models, optional on CGC40/55.



**UPRIGHT & CARRIAGE** Sealed, canted rollers minimize deflection and sideplay in both upright and carriage. Six carriage rollers and two side thrust rollers reduce roller contact stress to extend upright life. Hydraulic cushioning valves provide silent staging of the rails to reduce shock during both lifting and lowering.

**STEERING AXLE** Rugged, simple axle design uses a double-ended hydraulic cylinder to provide steer force. Steer linkage with sealed spherical bearings connects the cylinder to steer knuckles. No stops or adjustments are required. Linkage pivot pins are "double shear" design to withstand impact without loosening or breaking. Linkage and kingpin bearings are greasable to exclude dirt and extend life.

## THE POWER BEHIND THE PUNCH



**BRAKE SYSTEM** The CGC 40 SERIES features a self-adjusting caliper type dry disc brake system. Brakes are installed ahead of axle-end gearing for maximum smoothness and efficiency. Designed for rough-duty applications, brakes provide excellent dependability, durability, operator acceptance, brake life and ease of maintenance. The brake and wheel-end gearing can be removed as a unit without disturbing the upright axle. Brakes are applied with a hydraulic servo-type power brake valve.

**LPG ENGINE** The field-proven GM 4.3 V-6 engine is fitted with a camshaft driven dynamic balancer and hydraulic, zero-lash valve lifters for smooth, quiet operation. Hardened exhaust and intake valves and seats provide long life. The computer-controlled fuel system meets EPA low-emission requirements and includes an automatic engine shutdown system to protect against damage from engine overheat or loss of oil pressure. System can be simply diagnosed using automotive-style malfunction light and fault codes.

## KEEPING UPTIME TO A MAXIMUM

**COOLING SYSTEM** The cross-flow radiator design with engine oil oil cooler has wide fin spacing for reduced plugging. Tube-fin air to oil transmission cooler keeps transmission heat separate from engine coolant. A coolant recovery system allows easy fluid level checks and adding coolant without opening the pressurized radiator cap. The 6-blade fan uses a metal shroud to optimize performance and reduce noise. Options are available to limit debris entry into the engine compartment in severe trash environments.



**POWERTRAIN MAINTENANCE** The two-stage engine air filter removes 98% of incoming dust before it enters the filter media. Dust in the first stage is automatically removed with a dust ejection valve. A restriction indicator advises the mechanic when the filter should be changed. Optional safety element and high-mounted precleaner are available for operation in high-dust environments. All fluid levels can be checked from the engine compartment. The radiator can be maintained and replaced without removing the counterweight. Transmission and engine oil filters spin on for easy replacement. The fuse box is located on the cowl for easy access.

WAY TOO EASY



**ACCESS TO THE ENGINE COMPARTMENT IS SIMPLE** Pull a latch and the seat deck raises effortlessly on gas struts. Lift off the floorboard and in less than 30 seconds you have full access to the engine and transaxle, no tools required.

**CLARK**  
THE FORKLIFT.

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## THE SAFEST SEAT IN THE BUSINESS

**SAFETY SEAT** More than 160,000 safety seats have been installed on CLARK trucks. CLARK is the innovator of the safety seat and today our seats offer the best in safety features. Side wings and a standard seat belt, with retractors that won't tighten during use, are standard. The durable molded seat is adjustable horizontally up to six inches. Optional weight adjustment, semi-suspension seat and durable fabric covering are also available.

**VISIBILITY** is critical to an operator's performance and safety. CLARK's nested upright rails provide positive rail interlock and a narrow "column" to maximize the vision window. The overhead guard safety bars run parallel to the operator's line of sight. This results in less product damage when picking and pulling loads from rack locations. A clear, unobstructed view also protects your most valuable asset — your employees.

**HYDRAULIC SYSTEM** The tandem-pump hydraulic system uses a load-sensing flow control valve for steering to reduce horsepower loss and heat buildup. The main hydraulic valve incorporates adjustable flow controls for tilt and auxiliary functions to allow optimum performance of attachments. The sectional design allows easy addition of extra functions and simplifies service. Forward tilting is controlled with a counterbalance feature built into the spool of the tilt section. Upright mounted load lowering valve provides controlled lowering independent of engine speed. Separate lift cylinder mounted flow control valves limit oil flow to regulate upright lowering speed in the event of hose failure.

**PARKING BRAKE** The foot-applied parking brake can be released either by hand or with the operator's foot. Applying the parking brake places the transmission in neutral to prevent driving against the brake.



## SMOOTH OPERATOR

**COMFORT EQUALS PRODUCTIVITY** The largest operator compartment in the industry is supported on rubber mounts, reducing the amount of engine noise and vibration transmitted to the operator. This assures a more comfortable ride and greater frame durability. A thick rubber floor mat provides additional insulation against vibration. The CGC 40 operator cell places the seat, steering wheel, pedals and control levers in a single rubber-isolated structure. Pedals and controls are located and sized so they are easy to reach and operate.

**ELECTRONIC DIRECTIONAL CONTROLS** enable true fingertip operation, minimizing arm fatigue. Direction is controlled with a steering column mounted lever. Two speed models use a dash mounted Hi/Lo switch to select speed range.

**HYDROSTATIC POWER STEERING** with four turns lock-to-lock and low-effort centering springs provide the operator with excellent maneuverability and ease of control. Variable ratio steering reduces turns when the wheel is rotated rapidly to reduce operator fatigue.





DEPENDABLE PARTS = DEPENDABLE TRUCKS



**UNRIVALED PARTS SUPPORT** Our Louisville, Kentucky Aftermarket Distribution Center provides parts to CLARK dealers in over 250 North American locations and many international dealers. This CLARK owned and operated 184,000 square foot facility is dedicated to supporting the CLARK models built over the last 87+ years. This facility is focused on providing excellent off-the-shelf availability, quality parts, quick response time and competitive pricing.

**THE CLARK PartsPRO SYSTEM** is our industry-leading electronic parts and service documentation tool that provides CLARK dealers with a quick and accurate method of identifying parts for every CLARK forklift built since 1961. PartsPRO ensures the availability of the most current technical information and has the unique capability to create parts manuals specific to your mixed CLARK fleet, making it simple to positively identify and order from your local CLARK dealer. The right CLARK part — The First Time, Every Time.

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CLARK MATERIAL HANDLING COMPANY [www.clarkmhc.com](http://www.clarkmhc.com)  
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