

**CLARK**

# C15

15/18/20s



Max Load Capacity  
3000 / 3500 / 4000 lbs.  
(1500 / 1800 / 2000 kg)

**CLARK**





- With four turns lock-to-lock the **hydrostatic power steering** provides the operator with excellent maneuverability and ease of control.

- The **operator compartment** is supported on specially engineered isolating mounts, reducing the amount of engine noise and vibration transmitted to the operator ensuring a more comfortable ride.

- 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 resulting in a **clear, unobstructed view**.

- Low, open foot steps with **traction plates** make entry/exit quick, easy, and safe.



- **Highly Maneuverable**
- **Easily Serviceable**
- **Broadly Flexible**
- **Extremely Dependable**

The GEN2 C15-Series proudly adds to CLARK’s unique history of building the best forklifts with evolutionary steps in **ergonomics, power, safety, durability** and **performance**. These narrow-width models, designed for distribution, manufacturing and warehousing of all types, are suited for the toughest applications.

Smooth Control + Easy Operation =  
**Operator Confidence & Optimum Comfort**



# 98%

The two-stage engine air filter removes **Ninety-Eight Percent** of incoming dust before it enters the filter media.

- Improved power and efficiency is achieved through comprehensive engine design integrating **multi-point sequential injection, dual overhead cams, four valves per cylinder, 10.5:1 high-compression** and **low friction diamond-like coating on cams & lifters**.
- The GEN2 series is designed to tackle any task placed in its path. The open-core, plate-fin radiator provides maximum cooling of the engine, transmission and axle in the harshest environments and the most demanding applications.

**Maximum Visibility + Minimum Fatigue =  
Ultimate Safety & Product Integrity**



- **THE CLARK PartsPRO® SYSTEM** is our industry-leading electronic parts and service documentation tool that provides 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 the correct part(s) from your local CLARK dealer. The right CLARK part — The First Time, Every Time.

***DEPENDABLE PARTS  
=  
DEPENDABLE TRUCKS***

## **CLARK's new Hip Restraint Seat System**

**CLARK's** newest seat reflects a year and a half of **CLARK** development and test time. Compliant with **ANSI B56.11.8** this seat combines operator comfort and productivity in a seat platform that promotes operator comfort and safety.

- Thick foam padding to promote operator comfort.
- Improved seat switch technology prevents inadvertent neutral shift.
- Easy to service and replace seat parts as needed.
- Meets industry vibration standards-less vibration on the operator.
- Seat adjustment of a total 6 inches fore and aft.
- 2.4 inches of vertical travel.
- Larger weight range (110 lbs. to 370 lbs.) and larger seat area to accommodate all body types.
- Restraints double as arm rests which allows the operator to be more comfortable when leaning left or right.
- High visibility orange belt- easy to see
- 30 degrees of back angle.
- Promotes 3 points entry/exit as per ANSI requirements.



# C15 STANDARD FEATURES & BENEFITS



## PARKING BRAKE

### ■ Simple & Error Proof

- Foot-applied brake can be released by hand or foot.
- Transmission disengages when parking brake is set preventing driving against brakes.
- Horn will sound if brake is not set after 3 seconds from when the engine is shut off.

## HYDRAULIC SYSTEM

### ■ Maximum Horsepower

- Uses a load-sensing flow control valve for steering to reduce horsepower loss and heat buildup.

### ■ Optimum Performance of Attachments

- The main hydraulic valve incorporates adjustable flow controls for tilt and auxiliary functions.

### ■ Sectional Design

- Allows for easy addition of extra functions and simplifies service.

### ■ Upright Mounted Load Lowering Valve

- Controlled lowering speed independent of load speed.



## THE POWER BEHIND THE PUNCH

### ■ High-Performance Hyundai Theta LPG Engine

- The 4-cylinder, dual overhead cam engine produces 52 HP and 114 ft-lbs of torque @ 1500 rpm for superior performance.
- Internal, self-lubricating chain-driven cams and automatic chain tensioner provide long-life and protection from debris.

### ■ EPA and CARB Compliant

- Hyundai engine meets ultra-low emission requirements.

## Available Equipment

- |                                       |                                       |
|---------------------------------------|---------------------------------------|
| • Mirrors                             | • Bottler's tilt                      |
| • Sideshifters                        | • Tire options                        |
| • Strobe lights                       | • Travel speed limit                  |
| • Backup alarm                        | • Convenience console                 |
| • Rear work light                     | • Air cleaner safety element          |
| • Auxiliary valves                    | • Pre-cleaner, overhead guard mounted |
| • Turn signal lights                  | • U.L. Type LPS construction          |
| • Hose adaptations                    | • Suspension seat, vinyl and cloth    |
| • Combination stop/tail/backup lights | • Reduced height overhead guard       |
| • Hydraulic control options           | • Swing-down LPG tank bracket         |



## ONE-PIECE FRAME

- Heavy duty, welded and formed steel plate design protects from impact damage and extends the life of the truck.
- An integral hydraulic sump, with remote breather provides cooling for hydraulics in tough applications.



### **STEERING AXLE** (pneumatic shown)

#### ■ **Rugged Design**

- Linkage pivot pins have a “double shear” design to withstand impact without loosening or breaking.

#### ■ **Simple Axle Design**

- Double-ended cylinder provides steering force.



### **RUGGED UPRIGHT AND CARRIAGE**

#### ■ **I-Channel Construction**

- Maximizes visibility and stiffness, allows for internal hosing and cable.
- Six carriage rollers and two side-thrust rollers minimize deflection and sideplay, reduce roller contact stress and extend component life.
- Hydraulic cushioning valves provide silent staging of the rails to reduce shock during both lifting and lowering.

#### ■ **Shimmable, Sealed & Canted Load Rollers**

- Maximize Load Distribution & Reduce Free Play.



### **DASH DISPLAY**

#### ■ **Microprocessor**

- Monitors the condition of truck systems as well as controlling their functions.
- Controls neutral starting and prevents cranking while the engine is running.

#### ■ **Gauges**

- Engine coolant temperature.
- Fuel level for Diesel.

#### ■ **LCD Display**

- Hourmeter and maintenance interval are displayed on the LCD screen.

#### ■ **LED Lights Indicate**

- High transmission temperature • Low engine oil pressure
- Alternator charge • Fuel system malfunction
- Park brake applied • Maintenance required • Seat belt

#### ■ **Push Switches**

- Headlight and optional worklights are controlled with push switches.



### **OPERATOR COMPARTMENT**

#### ■ **Optional Fully Adjustable Seat**

- 2.4” Vertical Travel • 20° Backrest Adjustment Range
- 6” fore / aft adjustment • Contoured for support
- Non-Cinching, Retractable Seat Belt

#### ■ **Thick Molded Floor Mat**

- Reduces vibration and noise level.
- Improves operator comfort.

#### ■ **Minimal Arm Fatigue**

- Electronic directional controls enable true fingertip operation.

#### ■ **Tilt Steering Column**

- Adjusts to Suit Operator & Easier Entry/Exit.



# GENERAL DATA & STANDARD DIMENSIONS

## Upright Table

Maximum <sup>1</sup> Fork Height in mm	Overall Height Lowered in mm	Free Lift <sup>3</sup> w/o LBR in mm	Standard <sup>2</sup> Tilt Spec B°/F°
--	------------------------------------	--	---

### C15/18/20s Standard

110	2795	79	1995	4.3	110	8/8
121	3085	84	2140	4.3	110	8/8
• 129	3285	88	2240	4.3	110	8/8
143	3640	95	2417	4.3	110	8/8
160	4070	106	2690	4.3	110	5/6
172	4365	114	2890	4.3	110	5/6
183	4655	121	3085	4.3	110	5/6

### C15/18/20s Triple Stage

156	3970	74	1870	49	1238	5/6
171	4345	79	1995	54	1363	5/6
• 188	4780	84	2140	59	1508	5/6
204	5185	90	2290	65	1658	5/3
213	5400	94	2380	69	1748	5/3
219	5565	96	2450	72	1818	5/3
225	5720	99	2515	74	1883	5/3
237	6015	104	2640	79	2008	5/3
255	6470	111	2830	87	2198	3/0
279	7075	121	3085	97	2453	3/0

### C15/18/20s Hi-Lo

115	2925	79	2005	55	1389	8/8
• 127	3215	85	2165	61	1549	8/8
138	3515	91	2305	66	1689	8/8
145	3695	97	2455	72	1839	8/8
150	3810	100	2530	75	1914	8/8

\* Indicates Common Preferred Spec

<sup>1</sup> For overall height raised with load backrest, add 48 in. (1220 mm) to maximum fork height.

<sup>2</sup> Standard tilt shown. Contact Clark representative for information on optional tilt.

<sup>3</sup> Freelift dimensions shown are without load backrest.

Other uprights available, contact a Clark representative.

## Notes

Production engines and driveline components may vary in output and/or

efficiency by ±5%. The performance shown represents nominal values which may be obtained under typical operating conditions of a machine.

## ANSI/ITSDF and Insurance Classification

Standard truck meets all applicable mandatory requirements of Part III-ANSI/ITSDF B56.1 Safety Standard for Powered Industrial Trucks and Underwriters Laboratories requirements as to fire hazard only for D and LP classifications. For further information contact a Clark representative.

Users should be aware of, and adhere to, applicable codes and regulations regarding operator training, use, operation and maintenance of powered industrial trucks, including:

- ANSI/ITSDF B56.1
- NFPA 505, fire safety standard for powered industrial trucks - type designations, areas of use, maintenance and operation.
- Occupational Safety and Health Administration (OSHA) regulations that may apply.

Contact your authorized CLARK forklift truck dealer for further information including operator training programs and auxiliary visual and audible warning systems, fire extinguishers, etc., as available for specific user applications and requirements.

Specifications, equipment, technical data, photos and illustrations are based on information at time of printing and are subject to change without notice. Some products may be shown with optional equipment.

## & Don't Forget... Safety Starts With You!

### Before operating a lift truck, an operator must:

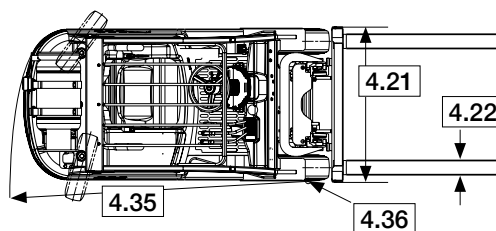
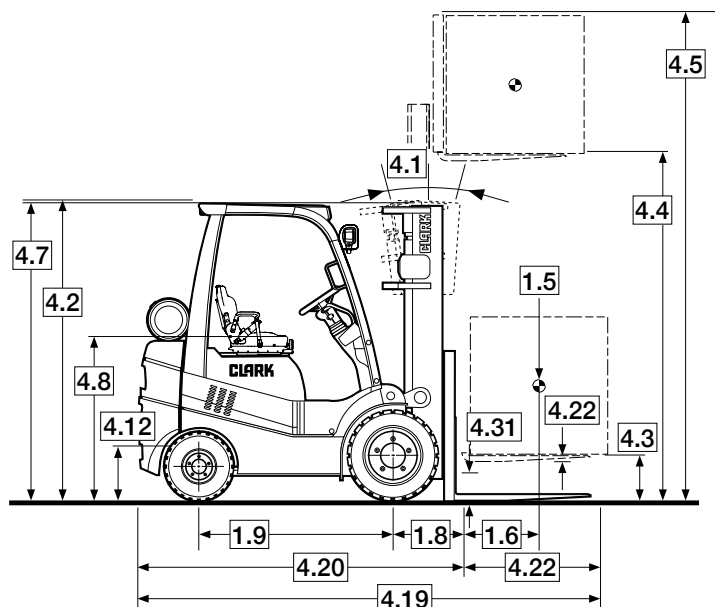
- Be trained and authorized
- Read and understand operator's manual
- Not operate a faulty lift truck
- Not repair a lift truck unless trained and authorized
- Have the overhead guard and load backrest extension in place
- Perform daily inspections
- Keep truck away from people and obstructions
- Travel with lift mechanism as low as possible and tilted back
- Allow safe stopping distance and come to a complete stop before leaving operator compartment

### To park a lift truck, an operator must:

- Completely lower forks or attachments
- Shift into neutral
- Turn key off
- Set parking brake

### During operation, a lift truck operator must:

- Wear a seat belt
- Keep entire body inside truck cab
- Never carry passengers or lift people



For corresponding data see Specification Chart

# STANDARD SPECIFICATIONS

Specifications	1.1	Manufacturer		CLARK	CLARK	CLARK
	1.2	Manufacturer's Designation		C15L	C18L	C20sL
	1.3	Drive unit Diesel, L.P. Gas		LPG	LPG	LPG
	1.4	Operator type stand on / driver seated		Rider-Seated	Rider-Seated	Rider-Seated
	1.5	Load capacity / rated load	lbs(kg)	3000 (1500)	3500 (1800)	4000 (2000)
	1.6	Load center distance	in(mm)	24 (500)	24 (500)	24 (500)
	1.8	Load center distance, center of drive axle to fork face	in(mm)	STD 15.4 (392)   TSU 15.5 (395)	STD 15.4 (392)   TSU 15.5 (395)	STD 15.4 (392)   TSU 15.5 (395)
	1.9	Wheelbase	in(mm)	55.1 (1400)	55.1 (1400)	55.1 (1400)
Weight	2.1	Service weight	lbs(kg)	STD 6140 (2785)   TSU 6507 (2952)	STD 6633 (3009)   TSU 7001 (3176)	STD 6957 (3156)   TSU 7325 (3323)
	2.2	Axle loading, loaded front / rear	lbs(kg)	STD 7960/1180 (3733/552)   TSU 8397/1110 (3933/519)	STD 8690/1443 (4166/643)   TSU 9128/1373 (4100/573)	STD 9458/1499 (4449/707)   TSU 9890/1435 (4210/610)
	2.3	Axle loading, unloaded front / rear	lbs(kg)	STD 2815/3325 (1277/1508)   TSU 3247/3260 (1473/1479)	STD 2687/3946 (1219/3946)   TSU 3119/3882 (1415/1761)	STD 2590/4367 (1175/1981)   TSU 3022/4303 (1371/1952)
Tires	3.1	Tire type, P = pneumatic, SE = solid pneu, C = cushion		Pneumatic	Pneumatic	Pneumatic
	3.2	Tire size, front	in	6.50x10-12PR	6.50x10-12PR	6.50x10-12PR
	3.3	Tire size, rear	in	5.00x8-10PR	5.00x8-10PR	5.00x8-10PR
	3.5	Wheels, number front / rear (x = drive wheels)		2X/2	2X/2	2X/2
	3.6	Tread, front	in(mm)	35.0 (890)	35.0 (890)	35.0 (890)
	3.7	Tread, rear	in(mm)	35.0 (890)	35.0 (890)	35.0 (890)
Dimensions	4.1	Tilt of upright / fork carriage, back / forward, a / b	degrees	STD 8/8   TSU 5/6	STD 8/8   TSU 5/6	STD 8/8   TSU 5/6
	4.2	Height, upright lowered	in(mm)	STD 88.1 (2240)   TSU 84.2 (2140)	STD 88.1 (2240)   TSU 84.2 (2140)	STD 88.1 (2240)   TSU 84.2 (2140)
	4.3	Freelift	in(mm)	STD 4.3 (110)   TSU 59.3 (1508)	STD 4.3 (110)   TSU 59.3 (1508)	STD 4.3 (110)   TSU 59.3 (1508)
	4.4	Lift height	in(mm)	STD 129 (3285)   TSU 188 (4780)	STD 129 (3285)   TSU 188 (4780)	STD 129 (3285)   TSU 188 (4780)
	4.5	Height, upright extended	in(mm)	STD 177 (4496)   TSU 236 (5994)	STD 177 (4496)   TSU 236 (5994)	STD 177 (4496)   TSU 236 (5994)
	4.7	Height overhead guard	in(mm)	83.5 (2120)	83.5 (2120)	83.5 (2120)
	4.8	Seat height	in(mm)	42.2 (1072)	42.2 (1072)	42.2 (1072)
	4.12	Coupling height	in(mm)	11.5 (292)	11.5 (292)	11.5 (292)
	4.19	Overall length	in(mm)	STD 128.4 (3261)   TSU 128.5	STD 130.2 (3307)   TSU 130.3 (3310)	STD 131.9 (3350)   TSU 132.0 (3353)
	4.20	Length to face of forks	in(mm)	STD 86.4 (2196)   TSU 86.5 (2199)	STD 88.2 (2241)   TSU 88.3 (2244)	STD 89.9 (2283)   TSU 90.0 (2286)
	4.21	Width	in(mm)	42.1 (1070)	42.1 (1070)	42.1 (1070)
	4.22	Fork dimensions	in(mm)	1.5x4x42 (40x100x1070)	1.5x4x42 (40x100x1070)	1.5x4x42 (40x100x1070)
	4.23	Fork carriage		Hook Type	Hook Type	Hook Type
	4.24	Fork carriage width	in(mm)	41.0 (1042)	41.0 (1042)	41.0 (1042)
	4.31	Ground clearance minimum, loaded	in(mm)	4.72 (120)	4.72 (120)	4.72 (120)
	4.32	Ground clearance center of wheelbase	in(mm)	4.8 (124)	4.8 (124)	4.8 (124)
	4.34	Right Angle Slack (add load length and clearance)	in(mm)	STD 97.0 (2465)   TSU 97.1 (2468)	STD 98.9 (2513)   TSU 99.0 (2516)	STD 100.2 (2546)   TSU 100.3 (2549)
	4.35	Outside turning radius	in(mm)	81.6 (2073)	83.5 (2121)	84.8 (2154)
	4.36	Inside turning radius	in(mm)	11.22 (285)	11.22 (285)	11.22 (285)
Performance	5.1	Travel speed loaded / unloaded	mph(km/h)	13.3 / 13.5 ( 21.4 / 21.7 )	13.3 / 13.5 ( 21.4 / 21.7 )	13.3 / 13.5 ( 21.4 / 21.7 )
	5.2	Lift speed loaded / unloaded	fpm(ms)	STD 132/134 (0.67/0.68)   TSU 126/128 (0.64/0.65)	STD 130/134 (0.66/0.68)   TSU 124/128 (0.63/0.65)	STD 128/134 (0.65/0.68)   TSU 122/128 (0.62/0.65)
	5.3	Lowering speed loaded / unloaded	fpm(ms)	STD 88/82 (0.45/0.42)   TSU 84/79 (0.43/0.40)	STD 88/82 (0.45/0.42)   TSU 84/79 (0.43/0.40)	STD 88/82 (0.45/0.42)   TSU 84/79 (0.43/0.40)
	5.6	Max. drawbar pull loaded <sup>1</sup>	lbs(N)	4117 ( 18313 )	4110 ( 18282 )	4106 ( 18264 )
	5.8	Max. gradeability loaded / unloaded <sup>1</sup>	%	39.8 / 21.3	39.1 / 18.8	38.9 / 17.2
	5.10	Service brake		Drum	Drum	Drum
Drive Line	7.1	Manufacturer / Type		Hyundai Theta 2.4	Hyundai Theta 2.4	Hyundai Theta 2.4
	7.2	Rated output per SAE J1349	HP/kW @ rpm	52 / 38.8 @ 2650	52 / 38.8 @ 2650	52 / 38.8 @ 2650
	7.3	Rated speed	rpm	2650	2650	2650
	7.4	No. of cylinders / displacement	# / cu. in. (Liters)	4 / 146 (2.4)	4 / 146 (2.4)	4 / 146 (2.4)
	8.2	Operating pressure for attachments	psi/bar	2030 / 140	2030 / 140	2030 / 140
	8.4	Sound level, driver's ear	dB(A)	79	79	79

Notes: <sup>1</sup> Assumes Traction Coefficient of .6



## CLARK AND ITS FIRST 100 YEARS OF MATERIAL HANDLING

A Centennial is an important milestone which not only celebrates longevity, but testifies to the strength of the CLARK brand across generations. This is reflected in the more than one million lift trucks manufactured by CLARK Material Handling Company over the past 100 years. Even more powerful than the number of trucks built is the company's legacy of innovation. It began in 1917 when employees of the CLARK Equipment Company constructed a simple three-wheeled shop buggy to haul sand and castings between buildings at their Buchanan, Michigan plant. The "Trutractor", as the shop buggy was named,



became the first internal combustion material handling truck and a great success. The industrial truck was born and in the process CLARK developed the first hydraulic lift. Through the years, many extraordinary inventions followed, among them the nested I-beam upright, overhead guard and operator restraint system. The founding principles of Eugene B. Clark are still true: "Aim always to build the best; never be content with just as good". Today the company remains focused on a bright future and the technologies and trends driving the material handling industry around the world. One Purpose, One Brand, One Legacy, One Century.



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