CLARK C15C

15C/18C/20sC

BUILT CLARK® TO LAST®
EST. 1917

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.

- 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**.

- 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.

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

Smooth Control + Easy Operation =
Operator Confidence & Optimum Comfort

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

The GEN2 C15-Series extends the CLARK history of building the best forklifts through evolutionary steps in ergonomics, power, safety, durability and performance. These narrow-width models, designed for distribution, manufacturing and warehousing of all types, are well-suited for the toughest applications.

98%

The two-stage engine air filter removes 98% of incoming dust particles.

- A 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** delivers improved power and efficiency.
- The GEN2 series is designed to tackle any task placed in its path. The open-core radiator provides maximum cooling of the engine, transmission and axle in the harshest environments and the most demanding applications.

Maximum Visibility + Minimum Fatigue =
Increased Safety & Product Integrity

CLARK PARTS

- **THE CLARK PartsPRO® SYSTEM** is our industry-leading electronic parts and service documentation tool providing dealers with a quick and accurate method of identifying parts for every CLARK forklift built since 1961.

  PartsPRO® PLUS 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 identify and order the correct part(s) from your local CLARK dealer.

  PartsPRO® PLUS The right CLARK part — The First Time, Every Time.

DEPENDABLE PARTS =
DEPENDABLE TRUCKS

Operator Restraint System

Reflecting 18 months of development and testing and compliant with ANSI B56.11.8, this seat combines operator comfort, productivity and safety.

- Improved seat switch technology prevents inadvertent neutral shift
- Easy to service and replace seat parts as needed
- Meets industry vibration standards, meaning less vibration on the operator
- Seat adjustment totaling inches fore and aft
- 2.4 inches of vertical travel.
- Larger weight range and seating area to accommodate nearly all body types
- Easy-to-see, high-visibility orange seat belt
- New easy-access seatbelt system
- Manual suspension adjuster for improved comfort

C15C 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

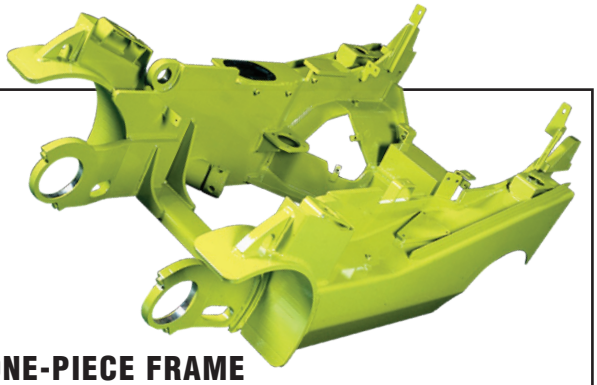
- **Maximum Horsepower**
  - Uses a load-sensing flow control valve for steering to reduce horsepower loss and heat buildup
- **Optimum Performance of Attachments**
  - The main hydraulic valve incorporates adjustable flow controls for tilt and auxiliary functions
- **Sectional Design**
  - Allows for 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

- **Field-Proven 2.0L PSI LPG Engine**
  - Tier-4 final
  - Premium camshaft and balance shaft belts
  - Balancer shafts
  - Four valves per cylinder
  - Coil-on plug ignition
- **Auto Shut Down**
  - Protects your investment in the event of low engine oil pressure, excessive engine coolant or high transmission oil temperatures
- **EPA Compliant**
  - Engine meets low emission requirements

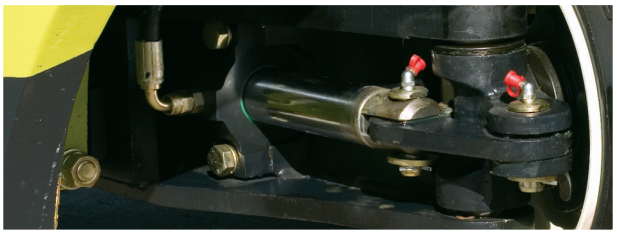
Available Equipment

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



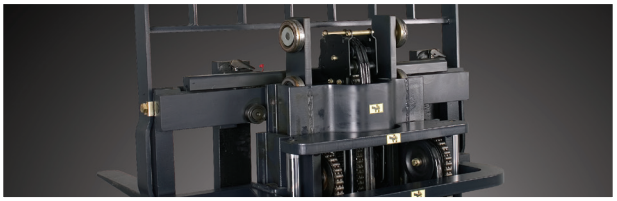
ONE-PIECE FRAME

- 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

- **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 and 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
- **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 • 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[1] Fork Height in	mm	Overall Height Lowered in	mm	Free Lift[3] w/o LBR in	mm	Standard[2] Tilt Spec B°/F°
C15/18/20sC Standard						
100	2545	72	1833	4.3	108	8/8
110	2795	77	1958	4.3	108	8/8
121	3085	83	2103	4.3	108	8/8
• 129	3285	87	2203	4.3	108	8/8
143	3640	94	2380	4.3	108	8/8
160	4070	104	2653	4.3	108	5/6
172	4365	112	2853	4.3	108	5/6
183	4655	120	3048	4.3	108	5/6
C15/18/20sC Triple Stage						
156	3970	72	1833	49	1238	5/6
171	4345	77	1958	54	1363	5/6
• 188	4780	83	2103	59	1508	5/6
204	5185	89	2253	65	1658	4/3
213	5400	92	2343	69	1748	4/3
219	5565	95	2413	72	1818	4/3
225	5720	98	2478	74	1883	4/3
237	6015	102	2603	79	2008	4/3
255	6470	110	2793	87	2198	2/3
279	7075	120	3048	97	2453	2/3
C15/18/20sC Hi-Lo						
115	2925	77	1958	54	1363	8/8
• 127	3215	83	2103	60	1508	8/8
138	3515	89	2253	65	1658	8/8
145	3695	92	2343	69	1748	8/8
150	3810	95	2413	72	1818	8/8

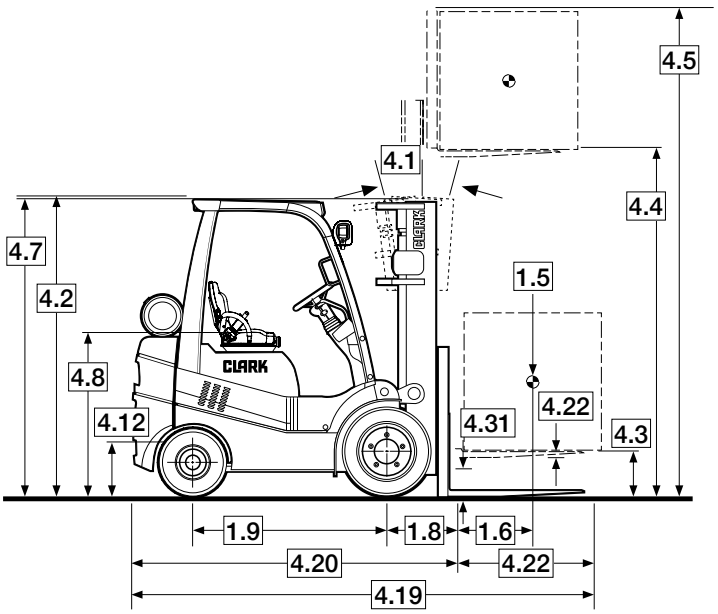
• Indicates Common Preferred Spec

[1] For overall height raised with load backrest, add 48 in. (1220 mm) to maximum fork height.

[2] Standard tilt shown. Contact CLARK representative for information on optional tilt.

[3] 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.

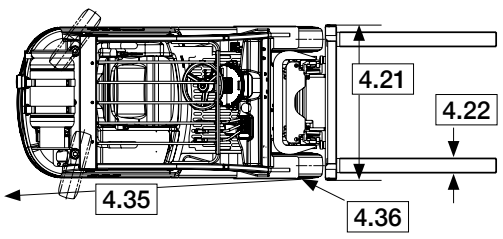
& Don't Forget...

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

During operation, a lift truck operator must:
- Wear a seat belt
- Keep entire body inside truck cab
- Never carry passengers or lift people
- 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



Specifications	1.1	Manufacturer		CLARK	CLARK	CLARK
	1.2	Manufacturer's Designation		C15CL	C18CL	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 14.7 (375) I TSU 14.9 (378)	STD 14.7 (375) I TSU 14.9 (378)	STD 14.7 (375) I TSU 14.9 (378)
	1.9	Wheelbase	in(mm)	48.0 (1220)	48.0 (1220)	48.0 (1220)
Weight	2.1	Service weight	lbs(kg)	STD 6056 (2746) I TSU 6424 (2913)	STD 6529 (2962) I TSU 6897 (3129)	STD 6842 (3104) I TSU 7210 (3271)
	2.2	Axle loading, loaded front / rear	lbs(kg)	STD 7985/1071 (3740/507) I TSU 8438/986 (3847/463)	STD 8733/1296 (4210/552) I TSU 9188/1209 (4053/473)	STD 9526/1316 (4507/598) I TSU 9984/1226 (4172/496)
	2.3	Axle loading, unloaded front / rear	lbs(kg)	STD 2566/3490 (1164/1583) I TSU 3007/3417 (1364/1550)	STD 2411/4118 (1094/1868) I TSU 2852/4045 (1294/1835)	STD 2301/4541 (1044/2060) I TSU 2742/4468 (1244/2027)
Tires	3.1	Tire type		Cushion	Cushion	Cushion
	3.2	Tire size, front	in	18x6x12.125	18x6x12.125	18x6x12.125
	3.3	Tire size, rear	in	14x4.5x8	14x4.5x8	14x4.5x8
	3.5	Wheels, # front / rear (x = drive wheels)		2X/2	2X/2	2X/2
	3.6	Tread, front	in(mm)	31.0 (787)	31.0 (787)	31.0 (787)
	3.7	Tread, rear	in(mm)	3.25 (825)	32.5 (825)	32.5 (825)
Dimensions	4.1	Tilt of upright / fork carriage, back / forward, a / b	degrees	STD 8/8 I TSU 5/6	STD 8/8 I TSU 5/6	STD 8/8 I TSU 5/6
	4.2	Height, upright lowered	in(mm)	STD 86.7 (2203) I TSU 82.8 (2104)	STD 86.7 (2203) I TSU 82.8 (2103)	STD 86.7 (2203) I TSU 82.2 (2103)
	4.3	Freelift	in(mm)	STD 4.3 (110) I TSU 57.9 (1471)	STD 4.3 (110) I TSU 57.9 (1471)	STD 4.3 (110) I TSU 57.9 (1471)
	4.4	Lift height	in(mm)	STD 129 (3285) I TSU 188 (4780)	STD 129 (3285) I TSU 188 (4780)	STD 129 (3285) I TSU 188 (4780)
	4.5	Height, upright extended	in(mm)	STD 177.0 (4496) I TSU 236 (5994)	STD 177 (4496) I TSU 236 (5994)	STD 177 (4496) I TSU 236 (5994)
	4.7	Height overhead guard	in(mm)	81.1 (2060)	81.1 (2060)	81.1 (2060)
	4.8	Seat height	in(mm)	43 (1092)	43 (1092)	43 (1092)
	4.12	Coupling height	in(mm)	12 (305)	12 (305)	12 (305)
	4.19	Overall length	in(mm)	STD 122.4 (3108) I TSU 122.6 (3114)	STD 124 (3150) I TSU 124.2 (3156)	STD 125.1 (3178) I TSU 125.4 (3184)
	4.20	Length to face of forks	in(mm)	STD 80.4 (2042) I TSU 80.6 (2048)	STD 82 (2084) I TSU 82.2 (2090)	STD 83.1 (2112) I TSU 83.4 (2118)
	4.21	Width	in(mm)	37.0 (940)	38.6 (981)	38.6 (981)
	4.22	Fork dimensions	in(mm)	1.4x4x42 (35x100x1070)	1.4x4x42 (35x100x1070)	1.5x4x42 (40x100x1070)
	4.23	Fork carriage		Hook Type	Hook Type	Hook Type
	4.24	Fork carriage width	in(mm)	33.0 (838)	33.0 (838)	33.0 (838)
	4.31	Ground clearance minimum, loaded	in(mm)	3.3 (83)	3.3 (83)	3.3 (83)
	4.32	Ground clearance center of wheelbase	in(mm)	5.0 (127)	5.0 (127)	5.0 (127)
	4.34	Right Angle Stack (add load length and clearance)	in(mm)	STD 90.7 (2305) I TSU 90.2 (2308)	STD 92.3 (2347) I TSU 92.5 (2350)	STD 93.4 (2375) I TSU 93.6 (2378)
	4.35	Outside turning radius	in(mm)	76.0 (1930)	77.6 (1972)	78.7 (2000)
	4.36	Inside turning radius	in(mm)	.3 (8)	.3 (8)	.3 (8)
Performance	5.1	Travel speed loaded / unloaded	mph(kph)	10.3 / 10.1 (16.6 / 16.2)	10.3 / 10 (16.6 / 16.1	10.3 / 9.9 (16.6/16.0)
	5.2	Lift speed loaded / unloaded	fpm(ms)	STD 132/134 (0.67/0.68) I TSU 126/128 (0.64/0.65)	STD 130/134 (0.66/0.68) I TSU 124/128 (0.63/0.65)	STD 128/134 (0.65/0.68) I TSU 124/128 (0.63/0.65)
	5.3	Lowering speed loaded / unloaded	fpm(ms)	STD 92.5/84.6 (0.47/0.43) I TSU 84/79 (0.43/0.40)	STD 88/82 (0.45/0.42) I TSU 84/79 (0.43/0.40)	STD 88/82 (0.45/0.42) I TSU 84/79 (0.43/0.40)
	5.6	Max. drawbar pull loaded[1]	lbs(N)	3900 (17348)	3885 (17281)	3878 (17250)
	5.8	Max. gradeability loaded / unloaded[1]	%	45.8 / 16.4=8	39.7 / 16.9	36.3 / 16.9
	5.10	Service brake		Drum	Drum	Drum
Drive Line	7.1	Manufacturer / Type		PSI 4G63	PSI 4G63	PSI 4G63
	7.2	Rated output per SAE J1349	HP/kW @ rpm	49.3 / 36.8 @ 2650	49.3 / 36.8 @ 2650	49.3 / 36.8 @ 2650
	7.3	Rated speed	rpm	2650	2650	2650
	7.4	No. of cylinders / displacement	# / cu. in. (Liters)	4 / 122 (2)	4 / 122 (2)	4 / 122 (2)
	8.2	Operating pressure for attachments	psi/bar	2030 / 140	2030 / 140	2030 / 140
	8.4	Sound level, driver's ear	dB(A)	83	83	83

Notes: [1] Assumes Traction Coefficient of .6

CLARK: The Innovative and Durable Solution

The design, development, and manufacturing capabilities of CLARK, in combination with an unparalleled focus on customer support, a drive to understand fully each customer's needs in order to then supply the right solution, reflect the key essence of what is CLARK.

With over one million CLARK lift trucks sold around the world, each is a testament to the CLARK time-tested process of designing durable trucks with precise features that meet, if not exceed, the material handling needs of our customers. Our full range of highly dependable products – from pallet jacks to electric narrow aisle order selectors and up to our big 18,000lb capacity lift trucks – assures end-users CLARK has the solutions for their day-to-day needs.

These customer-focused solutions built from numerous industry innovations – from the nested I-Beam to a self-activating parking brake to new on-board diagnostics – and it all began the same way: with the needs of our customers foremost in mind. By focusing on how we can improve our customers' material handling processes, combined with award-winning dealers and parts support, we assure our customers a lift truck designed to be the right solution for their individual application.

Add it all up – an extensive research and development process, state-of-the-art manufacturing capabilities, and a superior dealer network – and you have a company dedicated to delivering leading edge products for both today and far into the future. More reasons why CLARK is Built to Last®.

ONE PURPOSE ONE BRAND ONE LEGACY ONE CENTURY

59-894-0428

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