









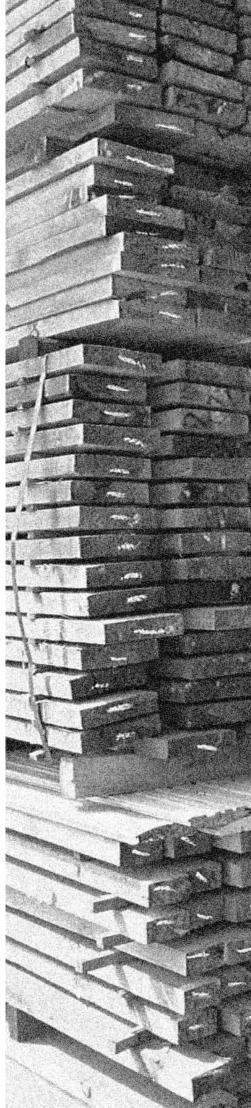
Rugged Durability and High Performance in Demanding Applications

The <u>NEW</u> GEN2 C40-series is designed to tackle any task placed in its path. The open-core, plate-fin radiator provides maximum cooling of the engine and transmission in the harshest environments and the most demanding applications.

Engineered for extreme environments, the C40-series is equipped with a two-stage air filter system that removes 98% of incoming dust and debris before it enters the filter media. • 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.

Maximum Visibility + Minimum Fatigue = Ultimate Safety & Product Integrity





C40 STANDARD FEATURES & BENEFITS



PARKING BRAKE

■ Simple & Error Proof

- · Hand operated lever actuates brake.
- Transmission disengages when parking brake is set preventing driving against park brake.
- · Horn will sound if brake is not set after 3 seconds.

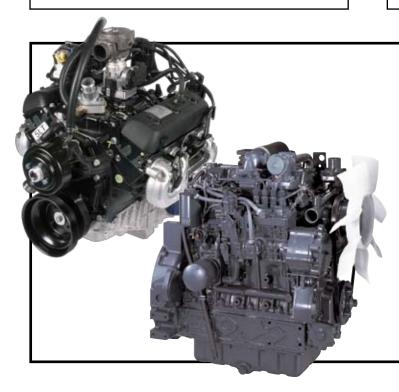
WET DISC BRAKES ON ALL C40 MODELS

■ Enclosed & Oil Cooled

- For smooth, quiet operation.
- · Minimal wear promotes long life.
- · Reduced maintenance means less downtime.

■ Power Assist Design

- · Low pedal effort reduces operator fatigue.
- 36 months / 10,000 hour warranty on brake discs



THE POWER BEHIND THE PUNCH

■ Field-Proven 4.3 L V-6 GM LPG Engine

- Provides smooth, quiet operation.
- Computer-controlled fuel system.

3.8 L Turbocharged Kubota Diesel Engine

- · Provides exceptional output, torque & fuel economy.
- · Cold start system comes standard.
- Increased horsepower for better acceleration.

Auto Shut-Down

 Protects your investment in the event of low engine oil pressure, excessive engine coolant or high transmission oil temperatures.

■ EPA Compliant

• Engines meet reduced emission and smoke levels.

Available Equipment

- · Double auxiliary valve
- Hose adaptations
- · Hydraulic control options
- · Side shifters
- Strobe lights
- Reverse Alarm

- Rear work light
- Mirrors
- Cloth suspension seat
- Turn, stop and backup lights
- LPG
- · Various tire options



EASE OF MAINTENANCE

■ Service Access is Simple

 Seat Deck raises for easy access to both sides of engine and floorboard is removable revealing hydraulic & transmission components.



RUGGED CONSTRUCTION

UPRIGHT AND CARRIAGE

■ I-Beam style upright

- Rails are designed to be 55% stiffer than conventional flat-faced rails.
- · Better resistance to side-to-side deflection.
- Promotes longer life and improved stability with elevated loads.

■ Hydraulic Cushioning Valves

• Silent staging reduces shock & vibration.

■ Shimmable, Sealed & Canted Load Rollers

- · Carriage has 6 load rollers & 4 side thrust rollers.
- Maximize load distribution and reduce free play.

STEERING AXLE

 "Double shear" design linkage pivot pins and tapered roller king-pin bearings withstand impact without loosening or breaking.

ONE-PIECE FRAME

 Heavy duty, welded, and formed steel plate design protects from impact damage and extends the life of the truck.

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 independent of engine speed.



OPERATOR COMPARTMENT

■ CLARK Vinyl Safety Seat

- 6" fore / aft adjustment .
- · Molded for support.
- Non-cinching, retractable seat belt.
- Standard weight adjustment and full-suspension.

Operator Presence Sensing System

 Hydraulic and transmission functions disengage when operator leaves seat.

■ Thick Molded Floor Mat

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

■ Hood Mounted Hydraulic Controls

· Located and sized for ease of use.

Low cowl design

• Greatly increases visibility of forks and load.

■ Tilt Steering Column

• Adjusts to suit operator & provides easier entry/exit.



GENERAL DATA & STANDARD DIMENSIONS

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v	μ		ч		•		u	w	ш	v

Maximum Fork Height in mm		Overal Lowerd in	Height ^{1,4} ed mm	in	Free Lift ³ mm	Standard Tilt Spec ² B°/F°			
	C40/45/50s								
98 106 118 • 130 138 146 157 177 196	2500 2700 3000 3300 3500 3700 4000 4500 5000	78.1 82.0 87.9 93.8 97.8 101.7 107.6 117.5 127.3	1984 2084 2235 2384 2484 2584 2734 2984 3234	6.1 6.1 6.1 6.1 6.1 6.1 6.1 6.1	156 156 156 156 156 156 156 156	8/8 8/8 10/8 10/8 10/8 10/8 5/6 5/6 5/6			
C40/45/									
146 157 169 177 189 197 216 236 256 275	3700 4000 4300 4500 4800 5000 5500 6000 6500 7000	79.4 83.3 87.2 89.9 93.8 96.5 103.0 109.6 116.2 122.8	2016 2116 2216 2283 2383 2450 2617 2784 2951 3118	50.4 54.3 58.2 60.9 64.8 67.4 74.0 80.6 87.2 93.7	1279 1379 1479 1546 1646 1713 1880 2047 2214 2381	5/6 5/6 5/6 5/6 5/6 5/3 5/3 3/3 3/3 3/3			
C40/45/ Hi-Lo	50 s								
106 • 118 130	2700 3000 3300	84.0 89.9 95.8	2133 2283 2433	55.0 60.7 66.8	1396 1546 1696	8/8 10/8 10/8			
C55s Standar	.d								
98 110 122 • 130 138 150 169 189	2500 2800 3100 3300 3500 3800 4300 4800	80.9 86.9 92.8 96.7 100.6 106.5 116.7 126.2	2056 2206 2356 2456 2556 2706 2956 3206	6.5 6.5 6.5 6.5 6.5 6.5 6.5	166 166 166 166 166 166 166	8/8 10/8 10/8 10/8 10/8 5/6 5/6 5/3			
C55s	·•								
Triple S 138 150 161 • 169 181 189 208 228 248 268	3500 3800 4100 4300 4600 4800 5300 5800 6300 6800	78.3 82.2 86.1 88.8 92.7 95.4 101.9 108.5 115.1 121.7	1988 2088 2188 2255 2355 2422 2589 2756 2923 3090	42.0 46.0 49.9 52.6 56.5 59.1 65.7 72.3 78.9 85.4	1068 1168 1268 1335 1435 1502 1669 1836 2003 2170	5/6 5/6 5/6 5/6 5/6 5/3 5/3 3/3 3/3 3/3			
C55s Hi-Lo 102 • 114 126	2600 2900 3200	82.9 88.8 94.7	2105 2255 2405	46.7 52.6 58.5	1185 1335 1485	8/8 10/8 10/8			

Grade Clearance

Model	A%	В%
C40/45 – Single Drive	30	30
C40/45 – Dual Drive	31	26
C50s/55s - Single Drive	30	29
C50s/55s - Dual Drive	31	25

- Indicates preferred common specification.
- ¹ For overall height raised with load backrest, add 48 in. (1220 mm) to maximum fork height.
- ² Standard tilt shown. Contact a Clark representative for information on optional tilt.
- ³ Freelift dimensions shown are without load backrest
- ⁴ For overall height lowered with dual drive on C40, C45 & C50s, deduct 1.1" (28 mm). C55s is shown with dual drive

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.

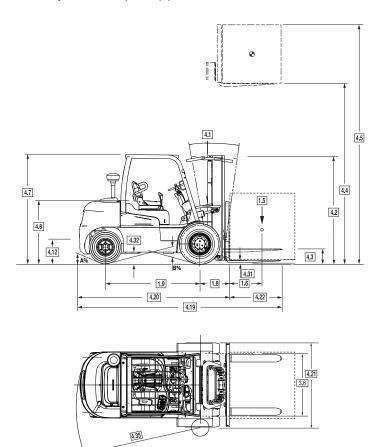
Users should be aware of, and adhere to, applicable codes and regulations regarding operator training, use, operation and maintenance of powered industrial trucks, including:

- ANSI/ITSDF B56.1
- NFPA 505, fire safety standard for powered industrial truckstype designations, areas of use, maintenance and operation.
- 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.



For corresponding data see Specification Chart

STANDARD SPECIFICATIONS

	1.1	Manufacturer		Clark	Clark	Clark
IIS	1.2	Manufacturer's Designation		C40D	C45D	C50sD
	1.3	Drive unit Diesel, L.P. Gas		Diesel	Diesel	Diesel
Specifications	1.4	Operator type stand on / driver seated		Driver Seated	Driver Seated	Driver Seated
cific	1.5	Load capacity / rated load	lbs(kg)	8000 (4000)	9000 (4500)	10,000 (5000)
Spi	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 ¹	in(mm)	22.6 (573)	22.6 (573)	22.6 (573)
	1.9	Wheelbase	in(mm)	76.8 (1950)	76.8 (1950)	82.7 (2100)
_	2.1	Service weight	lbs(kg)	13,197 (5986)	14,021 (6360)	15,717 (7129)
Weight	2.2	Axle loading, loaded front / rear	lbs(kg)	19,493 / 2,520 (8842/1143)	21,180 / 2,762 (9607/1253)	23,805 / 2,936 (10798/1332)
	2.3	Axle loading, unloaded front / rear	lbs(kg)	5,822 / 7,372 (2641/3344)	5,798 / 8,221 (2630/3729)	7,017 / 8,739 (3183/3946)
	3.1	Tire type, P = pneumatic, SE = solid pneu, C = cushion		Р	Р	Р
	3.2	Tire size, front	in	8.25X15-14PR	8.25X15-16PR	7.50X15-12PR
S	3.3	Tire size, rear	in	7.00X12-14PR	7.00X12-14PR	7.00X12-14PR
Tires	3.5	Wheels, number front / rear (x = drive wheels)		2x/2	2x/2	4x/2
	3.6	Tread, front	in(mm)	45.9 (1165)	45.9 (1165)	50.7 (1288)
	3.7	Tread, rear	in(mm)	44.6 (1134)	44.6 (1134)	44.6 (1134)
	4.1	Tilt of upright / fork carriage, back / forward	degrees	10B / 8F	10B / 8F	10B / 8F
	4.2	Height, upright lowered ^{2,3}	in(mm)	87.9 (2234)	87.9 (2234)	86.9 (2207)
	4.3	Freelift	in(mm)	6.1 (156)	6.1 (156)	6.1 (156)
	4.4	Lift height⁴	in(mm)	118 (3000)	118 (3000)	118 (3000)
	4.5	Height, upright extended (includes LBR)	in(mm)	166 (4216)	166 (4216)	166 (4216)
	4.7	Height overhead guard ^{2,3}	in(mm)	91.5 (2324)	91.5 (2324)	90.4 (2226)
	4.8	Seat height	in(mm)	49.8 (1265)	49.8 (1265)	49.8 (1265)
	4.12	Coupling height	in(mm)	18.1 (460)	18.1 (460)	18.1 (460)
Suo	4.19	Overall length ¹	in(mm)	161.9 (4113)	163.9 (4163)	175.3 (4453)
Dimensions	4.20	Length to face of forks ¹	in(mm)	119.8 (3043)	121.8 (3093)	127.3 (3233)
į	4.21	Width	in(mm)	55.1 (1400)	55.1 (1400)	68.6 (1742)
	4.22	Fork dimensions	in(mm)	2x5x48 (50x122x1220)	2x5x48 (50x122x1220)	2x6x48 (50x150x1220)
	4.23	Fork carriage		Hook Type	Hook Type	Hook Type
	4.24	Fork carriage width	in(mm)	53 (1348)	53 (1348)	66 (1678)
	4.31	Ground clearance minimum, loaded	in(mm)	6.7 (169)	6.7 (169)	5.6 (142)
	4.32	Ground clearance center of wheelbase	in(mm)	8.3 (212)	8.3 (212)	7.3 (185)
	4.34	Right Angle Stack (add load length and clearance)	in(mm)	134.5 (3416)	135.9 (3451)	141.9 (3605)
	4.35	Outside turning radius	in(mm)	111.9 (2843)	113.3 (2878)	119.4 (3032)
	4.36	Inside turning radius	in(mm)	11.0 (280)	11.0 (280)	5.9 (150)
	5.1	Travel speed loaded / unloaded	mph (kph)	15.5/16.2 (25.0/26.0)	15.4/16.2 (24.8/26.0)	14.9/15.8 (24.0/25.5)
9	5.2	Lift speed loaded / unloaded	fpm(ms)	102.4/110.2 (0.52/0.56)	100.4/110.2 (0.51/0.56)	98.4/110.2 (0.50/0.56)
Performance	5.3	Lowering speed loaded / unloaded	fpm(ms)	98.4/92.5 (0.50/0.47)	98.4/92.5 (0.50/0.47)	98.4/92.5 (0.50/0.47)
	5.6	Max. drawbar pull loaded / unloaded	lbs(N)	9303.5/2861.6 (41384/12729)	9790.7/2835.1 (43551/12611)	10048.7/3481.2 (44699/15485)
	5.0	Max. gradeability loaded / unloaded	%	52.2/21.4	47.1/20.1	42.3/21.8
Drive Line	5.10	Service brake		Wet Disc Brake	Wet Disc Brake	Wet Disc Brake
	7.1	Manufacturer / Type	115 "	Kubota V3800T ⁵	Kubota V3800T ⁵	Kubota V3800T ⁵
	7.2	Rated output per SAE J1349	HP/kW	92.0 (68.6)	92.0 (68.6)	92.0 (68.6)
		Rated speed	rpm	2400	2400	2400
	7.4	No. of cylinders / displacement	#/cu. in. (Liters)	4 / 230 (3.8)	4 / 230 (3.8)	4 / 230 (3.8)
	8.2	Operating pressure for attachments	psi/bar	Adjustable	Adjustable	Adjustable
	8.4	Sound level, driver's ear per ISO 12053	dB(A)	83	83	83

Add 1.4" (34mm) for Triple Stage Upright
 C40 & C45 shown with single-drive, deduct 1.1" (27mm) for dual-drive.
 C50s & C55s shown with dual-drive, add 1.4" (36mm) for single-drive.

C40/45/50 shown with 118" standard upright. C55 shown with 110" standard upright.
 Not compatible with high sulfur diesel fuel. Sulfur content must be less than 0.10% (1000 ppm).

C40/45/50s/55s

Clark	Clark	Clark	Clark	Clark		
C55sD C40L		C45L	C50sL	C55sL		
Diesel	LPG	LPG	LPG	LPG		
Driver Seated	Driver Seated	Driver Seated	Driver Seated	Driver Seated		
11,000 (5500) 8000 (4000)		9000 (4500)	10,000 (5000)	11,000 (5500)		
24 (500)	24 (500)	24 (500)	24 (500)	24 (500)		
23.5 (598)	22.6 (573)	22.6 (573)	22.6 (573)	23.5 (598)		
82.7 (2100)	76.8 (1950)	76.8 (1950)	82.7 (2100)	82.7 (2100)		
16,687 (7569)	12,860 (5833)	13,684 (6207)	15,382 (6977)	16,352 (7417)		
25,324 / 3,488 (11487/1582)	19,288 / 2,390 (8749/1084)	20,972 / 2,632 (9513/1194)	23,592 / 2,813 (10701/1276)	25,324 / 3,488 (11487/1582)		
6,861 / 9,826 (3112/4457)	5,617 / 7,242 (2548/3285)	5,593 / 8,091 (2537/3670)	6,806 / 8,576 (3087/3890)	6,645 / 9,707 (3014/4403)		
Р	Р	Р	Р	Р		
7.50X15-12PR	8.25X15-14PR	8.25X15-16PR	7.50X15-12PR	7.50X15-12PR		
7.00X12-14PR	7.00X12-14PR	7.00X12-14PR	7.00X12-14PR	7.00X12-14PR		
4x/2	2x/2	2x/2	4x/2	4x/2		
50.7 (1288)	45.9 (1165)	45.9 (1165)	50.7 (1288)	50.7 (1288)		
44.6 (1134)	44.6 (1134)	44.6 (1134)	44.6 (1134)	44.6 (1134)		
10B / 8F	10B / 8F	10B / 8F	10B / 8F	10B / 8F		
86.9 (2207)	87.9 (2234)	87.9 (2234)	86.9 (2207)	86.9 (2207)		
6.5 (166)	6.1 (156)	6.1 (156)	6.1 (156)	6.5 (166)		
110 (2800)	118 (3000)	118 (3000)	118 (3000)	110 (2800)		
158 (4013)	166 (4216)	166 (4216)	166 (4216)	158 (4013)		
90.4 (2226)	91.5 (2324)	91.5 (2324)	90.4 (2226)	90.4 (2226)		
49.8 (1265)	49.8 (1265)	49.8 (1265)	49.8 (1265)	49.8 (1265)		
18.1 (460)	18.1 (460)	18.1 (460)	18.1 (460)	18.1 (460)		
178.5 (4533)	161.9 (4113)	163.9 (4163)	175.3 (4453)	178.5 (4533)		
130.4 (3313)	119.8 (3043)	121.8 (3093)	127.3 (3233)	130.4 (3313)		
68.6 (1742)	55.1 (1400)	55.1 (1400)	68.6 (1742)	68.6 (1742)		
2x6x48 (50x150x1220)	2x5x48 (50x122x1220)	2x5x48 (50x122x1220)	2x6x48 (50x150x1220)	2x6x48 (50x150x1220)		
Hook Type	Hook Type	Hook Type	Hook Type	Hook Type		
66 (1678)	53 (1348)	53 (1348)	66 (1678)	66 (1678)		
5.6 (142)	6.7 (169)	6.7 (169)	5.6 (142)	5.6 (142)		
7.3 (185)	8.3 (212)	8.3 (212)	7.3 (185)	7.3 (185)		
144.4 (3669)	134.5 (3416)	135.9 (3451)	141.9 (3605)	144.4 (3669)		
120.9 (3071)	111.9 (2843)	113.3 (2878)	119.4 (3032)	120.9 (3071)		
5.9 (150)	11.0 (280)	11.0 (280)	5.9 (150)	5.9 (150)		
14.9/15.8 (23.9/25.5)	12.6/13.4 (20.2/21.5)	12.4/13.4 (20.0/21.5)	13.5/12.4 (21.7/20.0)	13.5/12.4 (21.7/20.0)		
96.5/110.2 (0.49/0.56)	96.5/100.4 (0.49/0.51)	94.5/100.4 (0.48/0.51)	94.5/100.4 (0.48/0.51)	92.5/98.4 (0.47/0.50)		
98.4/92.5 (0.50/0.47)	98.4/92.5 (0.50/0.47)	98.4/92.5 (0.50/0.47)	98.4/92.5 (0.50/0.47)	98.4/92.5 (0.50/0.47)		
10051.0/3379.8 (44709/15034)	8229.8/2758.0 (36608/12268)	8262.9/2724.9 (36755/12121)	8714.9/3373.0 (38766/15004)	8712.7/3269.4 (38756/14543)		
38.7/20.1	43.3/21.1	39.2/19.8	36.5/21.8	33.4/20.0		
Wet Disc Brake	Wet Disc Brake	Wet Disc Brake	Wet Disc Brake	Wet Disc Brake		
Kubota V3800T⁵	GM V6 4.3L	GM V6 4.3L	GM V6 4.3L	GM V6 4.3L		
92.0 (68.6)	92.5 (69)	92.5 (69)	92.5 (69)	92.5 (69)		
2400	2400	2400	2400	2400		
4 / 230 (3.8)	6 / 262 (4.3)	6 / 262 (4.3)	6 / 262 (4.3)	6 / 262 (4.3)		
Adjustable	Adjustable	Adjustable	Adjustable	Adjustable		
83	87	87	87	87		





- We don't just build forklifts. As a company, we are also focused on providing our customers with the best possible technical service support and aftermarket parts available.
- Even though our business starts with a quality, costeffective product, our organization understands that it is the support and services we provide after the sale that help keep your business running at peak efficiency.
- 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 —
- UNRIVALED PARTS SUPPORT Our Aftermarket Distribution Center provides parts to over 250 North American CLARK dealers and many international dealers. This CLARK operated 184,000 square foot facility is dedicated to supporting the CLARK models built over the last 90 years. This facility is focused on providing excellent off-the-shelf availability, quality parts, quick response time and competitive pricing.

<u>DEPENDABLE PARTS = DEPENDABLE TRUCKS</u>



BUILT TO LAST.



CLARK MATERIAL HANDLING COMPANY