



CAPACITY		6,000 @ 24" L.C.		8,000 @24" L.C.		10,000 @24" L.C.	
OPERATIONAL DATA: (APPROXIMATE)		with 2 Rail 12' Mast	with 3 Rail 21' Mast	with 2 Rail 12' Mast	with 3 Rail 21' Mast	with 2 Rail 12' Mast	with 3 Rail 21' Mast
A	Overall height mast extended	180	291	181	292	181	292
B	Overall height mast collapsed	108	123	109	124	109	124
C	Overall Height Top of Overhead Guard	98	98	98	98	98	98
D	Forward Tilt (In Degrees)	38 Deg	38 Deg	38 Deg	38 Deg	38 Deg	38 Deg
E	Rearward Tilt (In Degrees)	9 Deg	9 Deg	9 Deg	9 Deg	9 Deg	9 Deg
F	Length of Forks	48	48	48	48	48	48
G	C / L drive axle to face of forks	33	33	33	34	33	34
H	Wheelbase	84	84	84	84	84	84
I	Under Clearance:						
	Mast	12	12	12	12	12	12
	Drive Axle	15.75	15.75	15.75	15.75	15.75	15.75
	Steer Axle	11	11	11	11	11	11
J	Counterweight Overhang	38	38	43	43	43	43
K	Overall Length to Face of Forks	55	155	160	161	160	161
L	Tread Width (19.5L x 24 drive tires)	66.5	66.5	66.5	66.5	66.5	66.5
M	Overall Width (19.5L x 24 drive tires)	87	87	87	87	87	87
N	Side Shift (Total)	6	6	6	6	6	6
O	Intersecting Aisles	135	136	136	137	136	137
P	Right Angle Stacking	with brake 186	188	193	195	193	195
Q	Turning Radius:	with brake 137	137	137	137	137	137
		without brake 169	169	169	169	169	169
R	Turning Clearance	with brake 145	145	147	147	147	147
		without brake 177	177	179	179	179	179
	Weight (2WD with mast counterweight & forks)	13,889	15,237	16,050	17,467	16,830	18,286



Lifting the World to New Heights

**Master Craft**

**Industrial Equipment Corp.**

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### ENGINE SPECIFICATIONS

Make	Cat
Model	3054C DIT
No. of Cylinders	4
Displacement	268 CID (4.2L)
HP - max gross	93 @ 2200 RPM
net	89 @ 2200 RPM
Max Torque	285 lbs. ft @ 1400 RPM
Bore & Stroke	4.13 in x 5.00 in
Electrical	12 Volt, 680 Cold Cranking Amps @ 0 Deg. F 12 Volt, 120 Amp (55-100 Amp Optional) Heavy Duty High Torque 5" Starter Automotive Style Fuses
Cooling System	Thermostat / Anti-Freeze 16 Qt. 19.5 in 9 Blade Fan
Fuel Filter	Element; Primary and secondary Tank Strainer
Oil Filter	Full Flow 1 Qt. Capacity
Air Cleaner	Dry Type (2-Stage)

Fuel Tank 19 US Gallons With Tank Strainer  
Exhaust System Protected horizontal muffler located under hood

### Travel Speeds: (Approximate)

1st - 3.7 mph	3rd - 12.3 mph
2nd - 5.9 mph	4th - 24.8 mph

### General Specifications:

- 1 Synchromesh Power Shuttle Transmission with Torque Converter, and Independent high capacity oil cooler.
- 2 Foot operated, hydraulic actuated wet disc brake sealed in oil. Brakes operate individually or simultaneously. The park brake is lever operated with a disc-type caliper.
- 3 19.5L x 24 Industrial Lug drive tires (R4) and 12-16.5 aggressive lug steer tires for 2WD machine.
- 4 19.5L x 24 Industrial Lug drive tires (R4) and 12.5/80 x 18 aggressive tread tires for 4WD Machine.
- 5 Heavy Duty drive axle consists of double reduction matched pinion and bevel gear with inboard planetary gear with final reduction.
- 6 Hydrostatic power steering.
- 7 Center Mounted two-wheel drive and four-wheel drive CAT steer axle with 1 double acting steer cylinder.
- 8 Push button four-wheel drive engagement.
- 9 Electric over hydraulic pedal operated differential lock.
- 10 Mast side shift - shifts entire mast, carriage, forks and load 3 inches off center or 6 inches total.
- 11 Hydraulics - 30.5 GPM Capacity @ 2200 PSI @ 2200 RPM produced by a 2-stage pump. 3-spool control valve with a pre-set relief valve, 2 mast cylinders, 2 mast tilt cylinders and 1 mast side shift cylinder.
- 12 Forklift meets or exceeds ANSI B56.6-1998 design criteria.
- 13 Industrial deluxe full suspension seat adjustable forward and rearward with seatbelt.
- 14 Instrumentation - water temperature gauge, oil pressure gauge, fuel level gauge, volt meter, hour meter, and park brake warning light (Optional warning lights include oil pressure, water temperature and hydraulic oil restrictor).
- 15 Back-up alarm standard on all forklifts.

**NOTE:** Our policy of continual engineering research and improvement makes it necessary that we reserve the right to make changes in designs, specifications and components without advance notice.

Colson Printing Co. 91185

# Master Craft C-Series



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Unit shown may have optional features.

## Operator's Control Center

- ▲ Standard open 4-post 360° viewable area
- ▲ Operator's compartment full instrumentation (lighted)
- ▲ 2-position tilt steering wheel
- ▲ Deluxe full suspension operator's seat with weight and lumbar support controls
- ▲ Quick apply/release park brake handle
- ▲ Hydraulic controls right of steering wheel for easy access
- ▲ Full-see-through (clear view) cab
- ▲ Hydraulic and fuel tanks positioned externally as steps.
- ▲ Independent left & right brakes
- ▲ Options include, but not limited to:
  - ◆ A/C
  - ◆ Outside-mounted California mirrors left/right
  - ◆ Fire extinguishers
  - ◆ Arm rests optional
  - ◆ Front and rear wipers, cab light, fan rearview mirror, heater, full insulation and floor mat
  - ◆ Sliding windows on doors and keyed locks



**Special Note:** The Master Craft "C-series" straight-mast rough-terrain forklift drive line is supplied by Caterpillar Industrial Products, Inc. This component is to be used by Master Craft in its design and manufacture of the "C-series" product line, and is in no way associated with the Caterpillar brand.

# Master Craft C-Series

## Lighting

- ▲ Two front work lights, one rear (standard)
- ▲ Rear lights, turn signals, flashers, brake-activated tail lights, side marker are available options
- ▲ Strobe lights and fender-mounted roading package available



## Mast

- ▲ 12' - 21' Mast
  - ◆ Many have the "free lift" option
- ▲ 48" to 96" wide shaft and ITA class II, III and IV carriages
- ▲ All masts have a 38° forward tilt for transport only
- ▲ Fork positioners available
- ▲ All masts side-shift entire mast and carriage assembly 3" left/right off center - 6" total

## Drive Line

- ▲ The "C-series" rough-terrain straight-mast forklift utilizes the Caterpillar 416E TLB module. This module consists of the CAT 3054C 93 GHP in-line 4-cylinder, 4-stroke-cycle diesel engine and a 4-speed power-reversing transmission with electric over hydraulic de-clutch system for "on the go" shifting
- ▲ The 2WD and 4WD steer axles are both of heavy-duty castings, and are pinion-mounted with 18° of oscillation.
- ▲ 4WD is on-demand with push-button engagement.
- ▲ Drive axle is outboard planetary with hydraulic-actuated wet-disc brakes and differential lock.
- ▲ Caterpillar air-intake system w/ particulate matter evacuator



## Frame

- ▲ Heavy-duty one-piece steel frame
- ▲ High ground clearance w/ a low center of gravity
- ▲ Side-opening engine access doors for service
- ▲ 4-post overhead guard



**Lifting the World to New Heights**