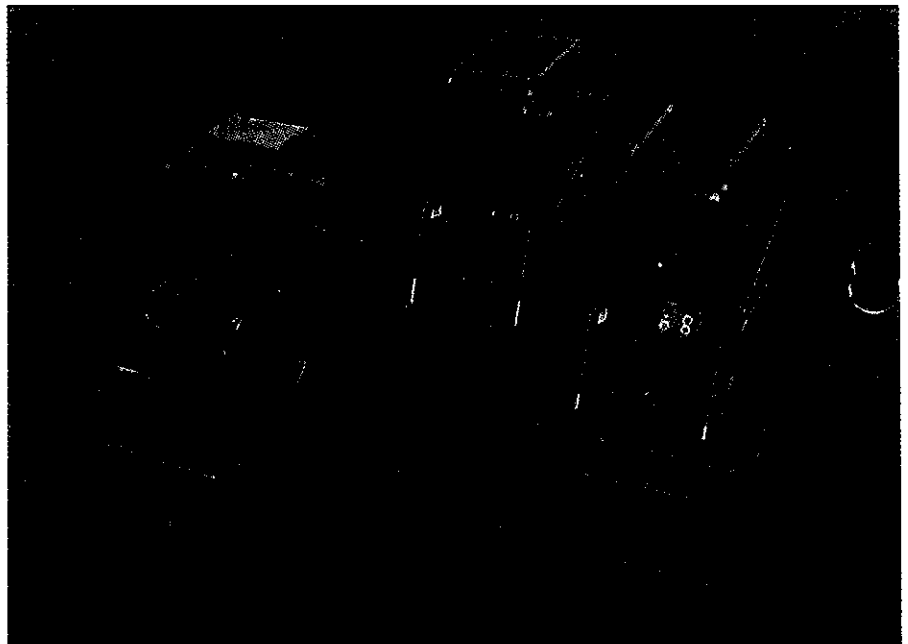


Ford Compact Loader Specifications

3961 First P... Nov. 75-393-1



ENGINE SPECIFICATIONS

	CL-20	CL-30	CL-40
Maximum horsepower	25	30	40
Engine make	Onan	Wisconsin	Ford
Engine model	NHC	VH4D	104GF
Fuel	gasoline	gasoline	gasoline
Rated engine speed	3,600 rpm	2,800 rpm	2,800 rpm
Maximum torque	486 in.-lbs/ 5.59 kg-m	780 in.-lbs/ 8.98 kg-m	780 in.-lbs/ 8.98 kg-m
Displacement	60 in. ³ / 983 cm ³	107.7 in. ³ / 1765 cm ³	103.7 in. ³ / 1698 cm ³
Cylinders, number	2	4	4 (OHV)
Bore	3.56 in./90 mm	3.25 in./82 mm	3.54 in./90 mm
Stroke	3.00 in./76 mm	3.25 in./82 mm	2.63 in./67 mm
Compression ratio	7:1	5.5:1	9:1
Cooling system	air	air	liquid
Starter	solenoid	positive engagement	positive engagement
Ignition	12-volt	12-volt	12-volt
Battery	40-amp-hr	40-amp-hr	40-amp-hr
Alternator	15 amp	30 amp	38 amp
Crankcase capacity (refill)	3.5 qt/3.3 liter	4 qt/3.8 liter	4 qt/3.8 liter
Crankcase ventilation		naturally aspirated	
Air cleaner	Dry	Dry	Dry
Fuel tank capacity	8 gal/30.3 liter	10 gal/37.9 liter	10 gal/37.9 liter
Governor	mechanical	mechanical	mechanical

PERFORMANCE FEATURES

	CL-20	CL-30	CL-40
Travel speed range	0-5.5 mph/ 8.8 kmh	0-6 mph/ 9.6 kmh	0-6 mph/ 9.6 kmh
Loader lift rating	800 lbs/363 kg	1,500 lbs/681 kg	1,500 lbs/681 kg
Loader breakout	1,600 lbs/727 kg	2,900 lbs/1318 kg	2,900 lbs/1318 kg
Tipping load	1,500 lbs/681 kg	1,960 lbs/890 kg	1,960 lbs/890 kg
Operating weight	2,900 lbs/1318 kg	4,145 lbs/1884 kg	4,145 lbs/1884 kg
Loader lift time	4.7 sec	5.0 sec	5.0 sec
Lower time	3.5 sec	4.0 sec	4.0 sec
Dump time	1.2 sec	2.5 sec	2.5 sec

KEY DIMENSIONS

	CL-20	CL-30	CL-40
Wheelbase	31 in./787 mm	34 in./864 mm	34 in./864 mm
Tread width	38 in./965 mm	50 in./1.27 m	50 in./1.27 m
Overall width w/bucket	45½ in./1.15 m	58 in./1.47 m	58 in./1.47 m
Lift height to bucket hinge pin	95¼ in./2.43 m	108⅞ in./2.76 m	108⅞ in./2.76 m
Dump clearance w/10 cu. ft. dirt bucket at 45°	72¼ in./1.84 m	80 in./2.03 m	80 in./2.03 m
Maximum dump angle at full height	46 degrees	46 degrees	46 degrees
Bucket rollback @ ground level	27 deg	36 deg	36 deg
Reach @ maximum height	20	17½	17½
Height—full raise	124 in.	137⅞ in.	137⅞ in.

HYDRAULIC SYSTEM

	CL-20	CL-30	CL-40
Hydraulic pump	tandem, three-section	tandem, three-section	tandem, three-section

	CL-20	CL-30	CL-40
Total output rating	45 gpm/160 liter per min @ 3,600 rpm	64 gpm/242 liter per min @ 2,800 rpm	64 gpm/242 liter per min @ 2,800 rpm
Loader pump	Gear	Vane	Vane
Output to loader	9 gpm/34 liter per min @ 3,600 rpm	16 gpm/61 liter per min @ 2,800 rpm	16 gpm/61 liter per min @ 2,800 rpm
Drive pumps	Two (2) variable displacement piston type		
Output to right drive	18 gpm/68 liter per min	24 gpm/91 liter per min	24 gpm/91 liter per min
Output to left drive	18 gpm/68 liter per min	24 gpm/91 liter per min	24 gpm/91 liter per min
Drive system relief pressure	2,000 psi/ 140 kg-m ²	1,550 psi/ 109 kg-m ²	1,550 psi/ 109 kg-m ²
Loader system relief pressure	2,000 psi/ 140 kg-m ²	1,550 psi/ 109 kg-m ²	1,550 psi/ 109 kg-m ²
Capacity	7 gal/26 liter	14 gal/53 liter	14 gal/53
Filtration @ hydraulic reservoir	(2) 100-mesh suction	(1) 100-mesh suction	(1) 100-mesh suction
Filtration @ return lines	(1) 10-micron	(2) 10-micron	(2) 10-micron

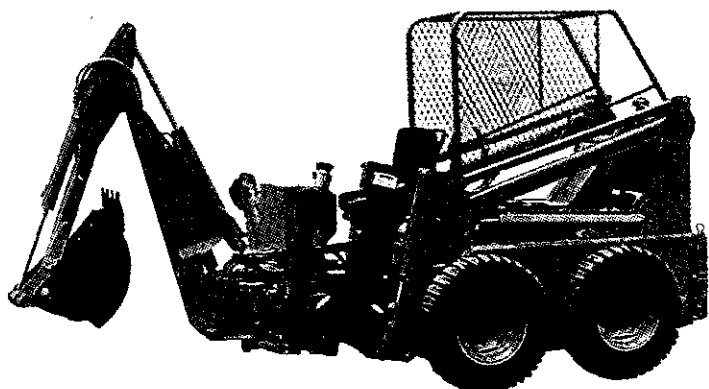
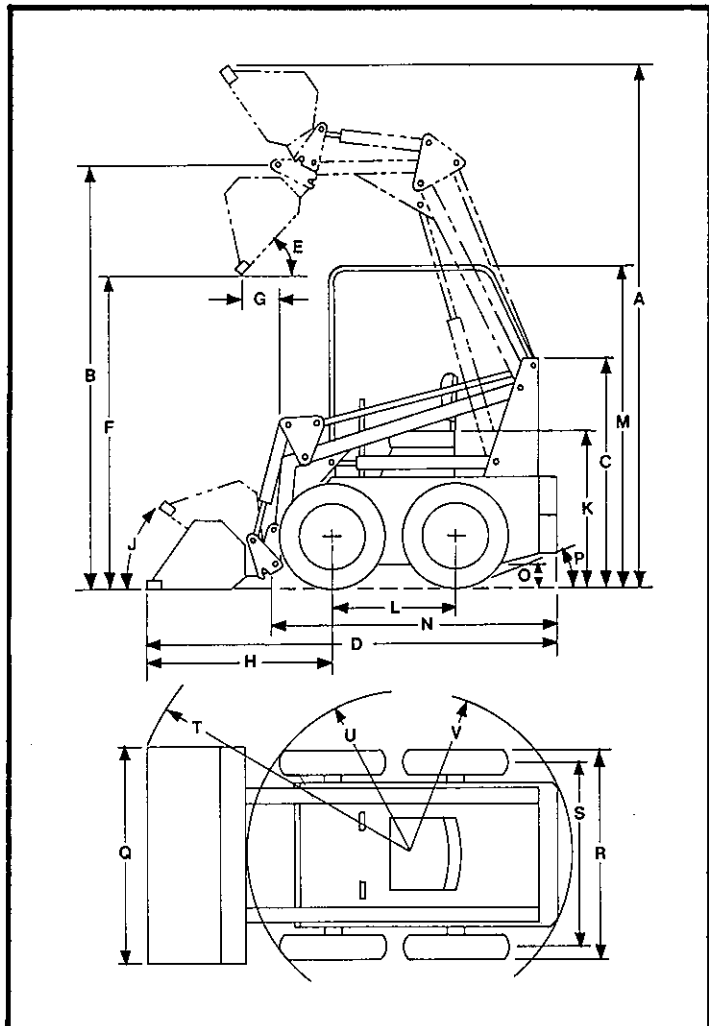
DRIVE SYSTEM

	CL-20	CL-30	CL-40
Type		Hydrostatic	
Speed control	Variable displacement pumps		
Direction control	Hydraulic		
Reductions	One with roller chain		
Throttle control	Hand		
Drive controls	Two hand levers		
Loader controls	Drive levers		

DIMENSIONS

	CL-20	CL-30	CL-40
A Overall height, lift arms raised	124 in./3.15 m	137⅞ in./3.49 m	137⅞ in./3.49 m
B Height to bucket hinge pin, maximum	95¼ in./2.43 m	108⅞ in./2.76 m	108⅞ in./2.76 m
C Overall height (Less guard)	55 in./1.40 m	63⅞ in./1.606 m	63⅞ in./1.606 m
D Overall length w/bucket	98 in./2.49 m	113¼ in./2.89 m	113¼ in./2.89 m
E Dump angle, maximum at full height	46 deg	46 deg	46 deg
F Dump clearance, full height at 45°	72¼ in./1.84 m	80 in./2.032 m	80 in./2.032 m
G Reach @ maximum height and 45° dump angle	20 in./508 mm	17½ in./445 m	17½ in./445 m
H Reach, bucket on ground	43 in./1.09 m	50⅞ in./1.277 m	50⅞ in./1.277 m
J Maximum rollback @ ground level	27 deg	36 deg	36 deg
K Height to seat	32 in./813 mm	42 in./1.06 m	42 in./1.06 m
L Wheelbase	31 in./787 mm	34 in./864 mm	34 in./864 mm
M Overall height w/operator guard	72¼ in./1.84 m	84¼ in./2.14 m	84¼ in./2.14 m
N Overall length less bucket	71 in./1.82 m	83¼ in./2.13 m	83¼ in./2.13 m

DIMENSIONS	CL-20	CL-30	CL-40
O Ground clearance.....	6½ in./165 mm	6 in./152 mm	6 in./152 mm
P Angle of departure.....	30 deg	21 deg	21 deg
Q Overall width w/bucket.....	46½ in./1.18 m	58 in./1.47 m	58 in./1.47 m
R Overall width less bucket.....	45 in./1.14 m	58 in./1.47 m	58 in./1.47 m
S Wheel tread.....	38 in./965 mm	50 in./1.27 m	50 in./1.27 m
T Turning radius with bucket.....	62 in./1.56 m	73 in./1.85 m	73 in./1.85 m
U Turning radius (front) less bucket.....	33 in./838 mm	42 in./1.07 m	42 in./1.07 m
V Turning radius (rear).....	42 in./1.07 m	42 in./1.07 m	42 in./1.07 m



STANDARD EQUIPMENT (X)	CL-20	CL-30	CL-40
Key ignition switch.....	X	X	X
Safety starter switch.....	X	X	X
Hourmeter.....	X	X	X
Hand throttle.....	X	X	X
Adjustable seat with seat belt.....	X	X	X
Ammeter.....	X	X	X
Air cleaner.....	X	X	X
Air cleaner restriction indicator.....	X	X	X
Toe guard.....	X	X	X
Skid resistant step strips.....	X	X	X
Operator guard.....	X	X	X
ROPS/FOPS for operator guard.....	X	X	X
Fuel filter.....	X	X	X
Quick bucket attach.....	X	X	X
Coolant temperature gauge.....	X	X	X
Engine oil pressure gauge.....	X	X	X
Hydraulic filter restriction indicator.....	X	X	X

Standard tires—CL-20

5.70 x 15, 4-ply

Standard tires—CL-30 and CL-40

7.50 x 15, 6-ply

Optional tires—CL-20

Flotation—27 x 8.50-15

Optional tires—CL-30 and CL-40

Flotation— 10.00 x 16.5, 4-ply

10.00 x 16.5, 6-ply

Sand— 11.00 x 16, 6-ply, 11

Steel cap— 7.00 x 15, 6-ply

Solid rubber— 6.50 x 16

OPTIONAL EQUIPMENT (X)	CL-20	CL-30	CL-40
Ammeter.....	X	Std	Std
Overhead guard (for std. guard).....	X	X	X
ROPS/FOPS for operator guard.....	Std	X	X
Heavy-duty reinforced frame.....	X	X	X
Safety rollover all-weather cab.....	X	X	X
Fuel gauge.....	X	X	X
Light kit.....	X	X	X
Light kit w/stone guard.....	X	X	X
Horn.....	X	X	X
Belly pan.....	X	X	X
Flame and spark arresting muffler.....	X	X	X
Auxiliary hydraulic kit.....	X	X	X
Backhoe attachment.....	X	X	X

8-FOOT BACKHOE

You can equip the Ford CL-30 and CL-40 compact loaders with the eight-foot backhoe. Ideal trenching combination for use in small areas, or under overhangs that may block large equipment. Often able to get in and handle jobs that otherwise would be dug by costly hand labor. Digs to a maximum of 8 ft, 2 in. deep (to 2-ft level bottom). Available with your choice of trenching or bellhole buckets.

SPECIFICATIONS

8-FOOT BACKHOE FOR FORD CL-30 AND CL-40

Backhoe	
Digging depth (2-ft flat bottom/609 mm).....	98 in./2489 mm
Loading height.....	77 in./1956 mm
Maximum reach from swing pivot.....	125 in./3175 mm
Transport height clearance(maximum).....	81 in./2057 mm
Bucket rotation.....	180 deg
Maximum digging force @ cutting edge.....	2,975 lbs/1350 kg
Transport overhang to rear (from swing pivot).....	51 in./1372 mm
Arc of swing.....	180 deg
Stabilizer spread	
working.....	96 in./2438 mm
transport.....	51 in./1295 mm
Crane lift capacity	
w/boom cylinder, boom extended.....	380 lbs/150 kg
w/dipper cylinder, boom up.....	775 lbs/352 kg
Hydraulics, loader hydraulic supply, 1,400 psi minimum required.....	10-15 gpm
Weight, backhoe only, less bucket.....	1,010 lbs/459 kg
Trenching buckets—12 in./305 mm; 18 in./457 mm; 24 in./609 mm	
Bellhole buckets—36 in./914 mm; 40 in./1016 mm	

Ford Compact Loaders

Loader buckets and attachments

1. Dirt buckets—For CL-30/40
 10 cu ft/.28m³; 58 in./1473 mm wide
 10.7 cu ft/.30m³; 63* in./1600 mm wide

Dirt buckets—For CL-20
 6 cu ft/.17m³; 45 in./1143 mm wide

2. Mining buckets—For CL-30/40
 7.5 cu ft/.21m³; 59 in./1499 mm wide
 10 cu ft/.28m³; 61 in./1549 mm wide

3. Utility buckets—For CL-30/40
 12.5 cu ft/.35m³; 60 in./1524 mm wide
 13 cu ft/.38m³; 63* in./1600 mm wide

Utility buckets—For CL-20
 10 cu ft/.28m³; 46.5 in./1180 mm wide

4. Fertilizer buckets—For CL-30/40
 15.5 cu ft/.43m³; 60 in./1524 mm wide
 16 cu ft/.45m³; 63* in./1600 mm wide

*For sand and flotation tires.

5. Dozer blade—For CL-30/40: 60 in./1524 mm wide, 22 in./599 mm high.

6. Pallet forks—For CL-30/40: 38 in./965 mm tines. **For CL-20:** 29 in./737 mm tines.

7. Manure fork—For CL-30/40: 60 in./1524 mm wide with (8) tines 25 in./635 mm long. **For CL-20:** 46 in./1168 mm wide with (6) tines 25 in./635 mm long.

8. Manure fork dirt plate, available for both the 60 in./1524 mm fork for CL-30/40, and for the 46 in./1168 mm fork for the CL-20.

9. Manure fork with utility grapple—For CL-30/40: 500 lbs/227 kg clamping pressure. Cylinder bore, 2 in./51 mm. Cylinder stroke, 4 in./102 mm. Length of top forks, 35 in./889 mm.

10. 40 in./1016 mm post hole digger—For CL-20: with serrated edges in 9 in./229 mm, 10 in./254 mm, 12 in./305 mm diameter augers. Motor speed—160 rpm. HP capacity—10.

40 in./1016 mm. economy post hole digger—For CL-30/40: with standard plain edge augers* in 9 in./229 mm, 10 in./254 mm, 12 in./305 mm, 14 in./356 mm, 16 in./406 mm, 18 in./457 mm, 24 in./610 mm, 30 in./763 mm diameters. Motor speed—270 rpm. HP capacity—13.

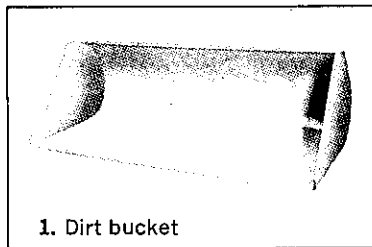
52 in./1321 mm heavy-duty post hole digger—For CL-30/40: with standard plain edge augers* in 9 in./229 mm, 10 in./254 mm, 12 in./305 mm, 14 in./356 mm, 16 in./406 mm diameters. Motor speed—100 rpm. HP capacity—13.

*Also available with standard serrated edges.

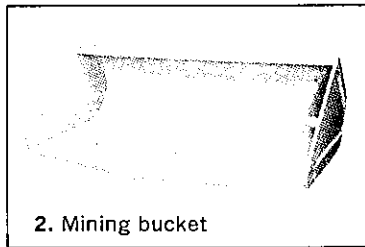
Produce/snow buckets—For CL-30/40
 22 cu ft/.62m³; 73 in./1854 mm wide

Buy...lease...rent...finance

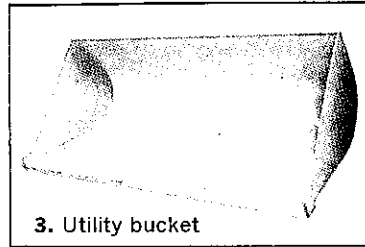
3961 First I g Nov. 75—395-I



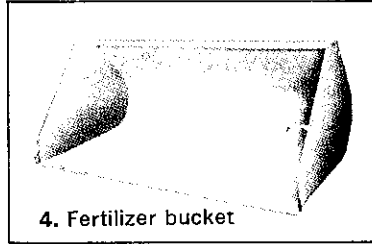
1. Dirt bucket



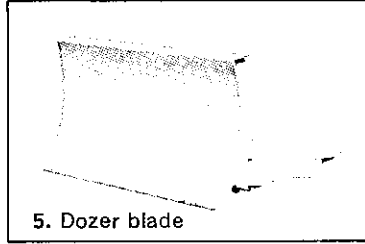
2. Mining bucket



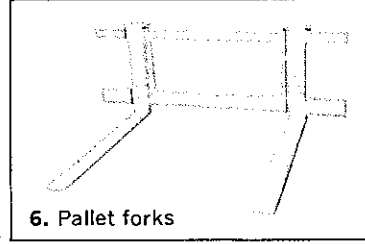
3. Utility bucket



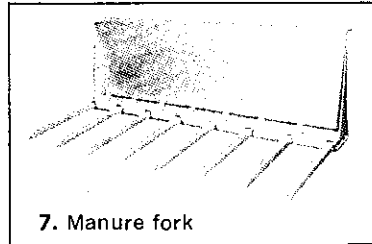
4. Fertilizer bucket



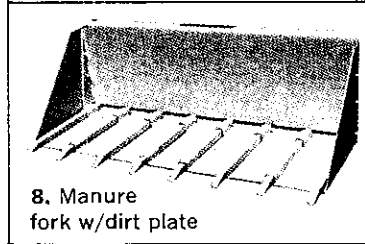
5. Dozer blade



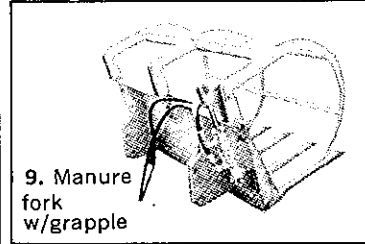
6. Pallet forks



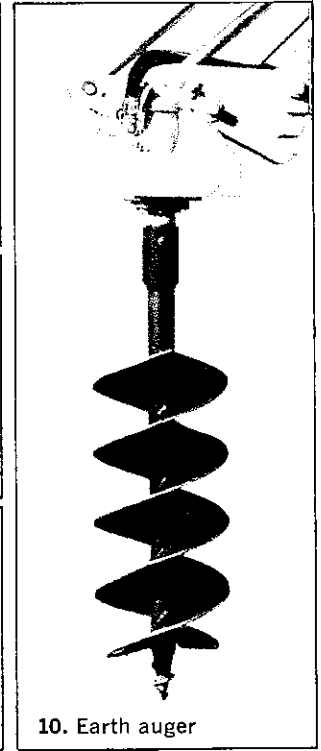
7. Manure fork



8. Manure fork w/dirt plate



9. Manure fork w/grapple



10. Earth auger

Design, materials, and/or specifications are subject to change without notice and without liability therefor. Specifications are applicable to units sold in the United States, its territories, and possessions and may vary outside these areas.

YOUR FORD TRACTOR AND EQUIPMENT DEALER