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MANUAL PREVIEW

J.I. Case

Operator's Manual

380CK

General Purpose and

Low Center of Gravity

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Tractors

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Operator's Manual

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INTRODUCTION

TO THE OWNER

This manual is your guide to safe, productive operations. It will eliminate trial and error learning, possible damage caused by ignorance of operation and downtime caused by improper maintenance.

Read this manual know your machine.
If you require additional information, contact us.

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J I Case reserves the right to make improvements in design or changes in specifications at any time, without incurring any obligation relating to such changes.

December, 1978

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SPECIFICATIONS

NOTE: All specifications taken in accordance with IEMC standards, where applicable.

ENGINE

Type..... David Brown 355011, diesel
Displacement..... 164.4 cubic inches (2695 cm³)
Bore and stroke..... 3.975" x 4.50" (100 mm x 114.3 mm)
High idle, no load..... 2350 rpm
Rated speed, full load..... 2200 rpm
Number of cylinders..... 3
Compression ratio..... 17:1
Firing order..... 1,2,3
Valve clearance (set cold)..... .010" (0.25 mm) inlet and exhaust
Horsepower (hp)..... 43 at 2200 rpm (mfr. rated)
(kw)..... (32 at 2200 r/min)

COOLING SYSTEM

Radiator pressure cap..... 4 psi (28 kPa)
Thermostat range..... 180° to 200° F. (82° to 94° C)

ELECTRICAL SYSTEM

Type of system..... 12 volt, negative ground with alternator
Battery..... One 12-volt battery with no-spill caps.

CAPACITIES

Cooling system..... 9 quarts (8.5 liters)
Engine oil..... 6-1/2 quarts (6.25 liters)
Transmission..... 6 gallons (22.7 liters)
Final drives, each side..... 2-1/2 pints (1.1 liters)
Steering..... 1-3/4 pints (0.85 liters)
Fuel tank..... 12-1/2 gallons (48 liters)

TRANSMISSION

Gear box..... David Brown; 12 speeds forward,
4 speeds reverse.
Clutch..... David Brown; double dry plate,
2 positions - partial release
engages PTO, further release
engages final drive
Final drive..... Spur at ends of axle.
Differential lock..... Foot operated

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Figure 14 - A. Parking Brake On; B. Parking Brake Off; C. Differential Lock Pedal

Engaging

To engage differential lock, press the pedal firmly with the right heel. Do not attempt to engage if slip is occurring. Close the throttle until both wheels are turning at the same speed, or declutch if one wheel is stationary, before pressing the differential lock pedal. Reengage the clutch gradually. Maintain a firm pressure on the pedal until the differential lock fully engages (pedal pressed down the full amount). Retain the lock in engagement by keeping your heel on the pedal.

Disengaging

The differential lock is spring loaded to push out of engagement but any tendency to slip will create a binding action which will prevent it from disengaging. To disengage, it is only necessary to momentarily relieve the load or reverse the load. This is done by pressing quickly first on one brake pedal, then on the other.

If the tractor is stopped and the differential lock remains in engagement, it may be released by momentarily reversing the tractor.

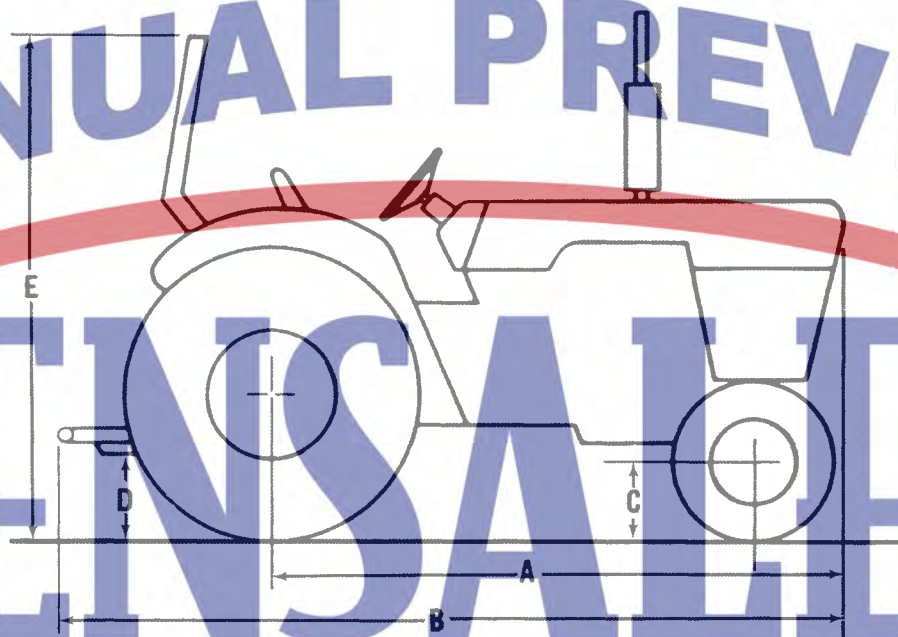
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Specifications

Dimensions and Weight



A.	Wheel base	77 in (1956 mm)
B.	Length - overall	9 ft 9-3/8 in (2981 mm)
C.	Front axle clearance	13-1/4 in (336 mm)
D.	Drawbar frame clearance	9-1/4 in (235 mm)
E.	Height to top of ROPS	7 ft 3 in (2210 mm)
	Front track (outside of tire to outside of tire)	60 to 86 in (1524 to 2184 mm)
	Rear track (outside of tire to outside of tire)	77 in (1956 mm)
	Width - overall	8 ft 11-3/8 in (2423 mm)
	*Operating weight of tractor	4375 lb (1985 kg)

*Operating weight and specifications taken with full fuel, 175 lb (79 kg) operator, 18.4 x 16.1 - 6 PR rear tires, 7.50 x 10-6 PR front tires, tires, ROPS and standard equipment.

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Tire Pressures

7.50 x 10 - 6 PR front tires	40 psi (276 kPa)
18.4 x 16.1 - 6 PR rear tires	16 psi (110 kPa)

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