


8830
Windrower Tractor
Operator's Manual

9-25372

Reprinted

CASE III




 *THIS SAFETY ALERT SYMBOL INDICATES IMPORTANT SAFETY MESSAGES IN THIS MANUAL. WHEN YOU SEE THIS SYMBOL, CAREFULLY READ THE MESSAGE THAT FOLLOWS AND BE ALERT TO THE POSSIBILITY OF PERSONAL INJURY OR DEATH.*

M171B

If Safety Decals on this machine use the words **Danger, Warning or Caution**, which are defined as follows:

- **DANGER:** Indicates an immediate hazardous situation which if not avoided, will result in death or serious injury. The color associated with Danger is RED.
- **WARNING:** Indicates an potentially hazardous situation which if not avoided, will result in serious injury. The color associated with Warning is ORANGE.
- **CAUTION:** Indicates an potentially hazardous situation which if not avoided, may result in minor or moderate injury. It may also be used to alert against unsafe practices. The color associated with Caution is YELLOW.

If Safety Decals on this machine are ISO two panel Pictorial, decals are defined as follows:

- The first panel indicates the nature of the hazard.
- The second panel indicates the appropriate avoidance of the hazard.
- Background color is YELLOW.
- Prohibition symbols such as   and  if used, are RED.



WARNING

IMPROPER OPERATION OF THIS MACHINE CAN CAUSE INJURY OR DEATH. BEFORE USING THIS MACHINE, MAKE CERTAIN THAT EVERY OPERATOR:

- Is instructed in safe and proper use of the machine.
- Reads and understands the Manual(s) pertaining to the machine.
- Reads and understands ALL Safety Decals on the machine.
- Clears the area of other persons.
- Learns and practices safe use of machine controls in a safe, clear area before operating this machine on a job site.

It is your responsibility to observe pertinent laws and regulations and follow Case Corporation instructions on machine operation and maintenance.



8830 Windrower Tractor



82TR-86141-8

This operator's manual applies to machines with serial number CFH00101001 and later.

TO OUR CUSTOMER

We appreciate your confidence in CASE IH Farm Equipment and thank you for your patronage. In preparing this manual, we hope we have furnished you with a valuable tool for operating and maintaining this fine machine. Use this manual as your guide. Practicing the instructions given here will result in many years of dependable service from your machine.

Your Dealer can give you assistance with CASE IH parts and specially trained personnel to assist you in repair and maintenance.

Call your Dealer if you need any assistance or information.

**CALIFORNIA
Proposition 65 Warning**

Diesel engine exhaust and some of its constituents are known to the State of California to cause cancer, birth defects, and other reproductive harm.

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SPECIFICATIONS

SPECIFICATIONS

(Specifications and design are subject to change without notice and without liability therefore.)

MODEL 8830 Windrower Tractor

DIMENSIONS AND WEIGHTS

Length, overall with header 242 IN (6147 mm)
wheel base 124 IN (3150 mm)

Height

top of cab 121 IN (3073 mm)
clearance under walking beam 30.5 IN (775 mm)
clearance under frame 34.4 IN (874 mm)

Width

outside of hubs 119.6 IN (3038 mm)
with standard tires 139 IN (3531 mm)
with flotation tires 148.5 IN (3772 mm)

Tread width, drive wheels

standard tires 122.6 IN (3114 mm)
flotation tires 127 IN (3226 mm)

Tread width, tail wheels

minimum 84.3 IN (2141 mm)
maximum 110.2 IN (2800 mm)

Weight (approximate)

without header 5950 LB (2701 kg)
with 12 FT auger header 8740 LB (3968 kg)
with 14 FT auger header 8840 LB (4013 kg)

TIRES

Drive wheels

standard tires 16.5L-16.1 bar tread
flotation tire 21.5L-16.1, turf or bar tread
wheel nuts 5/8-18
torque 200 LB-FT (271 N·m)

Rear caster wheels

7.60-15, 4-ply implement rib
wheel bolts 9/16-18
torque 120 LB-FT (165 N·m)

Tire pressure, all tires 20 psi (138 kPa)

ENGINE

Model Case, 4-390
Horsepower 75 @ 2300 rpm (r/min)
High idle 2500 rpm (r/min)
Displacement 239 CU IN (3.9 L)
Cooling system capacity 22 U.S. quarts (20.8 L)
Cooling fan diameter 17.7 IN (450 mm)
Fuel tank capacity 42 U.S. gallons (159 L)

ELECTRICAL SYSTEM

System voltage 12 volts
Grounding negative

Battery

quantity 2
capacity, each 12V, 450 amp
minimum cranking capacity @ 0°F
type SAE J537, Size 24 or 27, top post

Alternator

manufacturer Robert Bosch
output 65 amperes

GROUND DRIVE SYSTEM

Final drive roller chain
primary reduction No. 50
final reduction No. 80

Tandem pump Vickers Model 19, piston

Ground drive motors Vickers fixed displacement
Speed, (approximate) 0 to 13 mph (0 to 21 km/h)

HYDRAULIC SYSTEM

Ground drive system
relief pressure 5000 psi (34 475 kPa)

Header lift system

relief pressure 2000 psi (13 790 kPa)

HEADER FLOTATION SYSTEM

Type hydraulic with accumulator,
adjustable from cab

CAB

Cab glass tinted, 63 sq ft (5.9 m²)

Steering column 5 position tilt

Instrument panel gauges fuel level, hourmeter,
flotation pressure, and
coolant temperature

Instrument cluster warning lamps alternator,
engine oil pressure,

engine coolant temperature

Audible alarm engine oil pressure and
engine coolant temperature

AIR CONDITIONING

System size 22,000 BTU/hr

Refrigerant HFC 134a

Capacity 4.6 LBS (2 kg)

Compressor Sanden 507H
displacement 9.5 CU IN (154.9 cc)

ACCESSORIES

Lights 4 lights front, square halogen
1 light rear, square halogen
flashers on header and tractor,
tail light, turn signals

Rear view mirror, (left hand standard) deluxe

Controls Shape-coded handles

LUBRICATION

Grease Fittings

lubricant CASE IH 251 HEP Lithium Grease

Wheel Bearings

lubricant CASE IH 251 HEP Lithium Grease

Engine Oil

quantity with filter change 11 U.S. quarts (10.5 L)

type of fluid Case IH No. 1 Engine Oil,
SAE 15W 40, API CE, CDII/CF-4

Hydraulic System

quantity

total system 12 U.S. gallons (45.4 L)

reservoir 8.5 U.S. gallons (32 L)

type of fluid Engine Oil, SAE 15W 40

type of fluid, alternate Case IH Hy-Tran Plus

*NOTE: Hy-Tran Plus can be added to factory-installed
fluid, but to get the full benefit of the qualities of Hy-
Tran Plus a complete oil replacement is required.*

Chaincases, Final Drive

quantity, each 4 quarts (3.8 L)

lubricant Case IH 135H EP Gear Lube 85W 140

SERIAL NUMBERS

When parts or assistance are needed, or when writing to your Authorized Case IH Dealer, always give this information:

1. Model Number of the Machine
2. Product Identification Number



MODEL NUMBER AND PRODUCT IDENTIFICATION NUMBER PLATE

**FOR LOCATION OF THE
PRODUCT IDENTIFICATION NUMBER PLATE
ON THIS MACHINE, SEE "GENERAL INFORMATION"
SECTION IN THIS MANUAL.**

Write the serial numbers of your machine on the lines below.

MODEL NUMBER _____

PRODUCT IDENTIFICATION NUMBER _____

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