

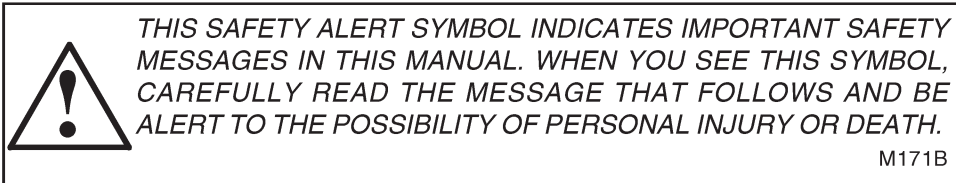
# **8830 Windrower Tractor**

## **Operators Manual**

**9-23312**

**Reprinted**




**CASE III**



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 CFH0028746 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 J I Case Company parts and specially trained personnel to assist you in repair and maintenance.

Call your Dealer if you need any assistance or information.

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CUN-12049

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## SPECIFICATIONS

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### DIMENSIONS & WEIGHTS

#### Weight (approximate)

without header ..... 5 950 LB (2710 kg)  
with 12 FT auger header ..... 8 740 LB (4654 kg)  
with 14 FT auger header ..... 8 840 LB (4767 kg)

Length, overall with header ..... 242 IN (6146.8 mm)  
wheel base ..... 124 IN (3149.6 mm)

#### Height

top of steering wheel ..... 94 IN (2837.6 mm)  
top of cab ..... 117 IN (2971.8 mm)  
clearance under walking beam ... 30.5 IN (774.7 mm)  
clearance under frame ..... 34.4 IN (873.8 mm)

#### Width

outside of hubs ..... 119.6 IN (3037.8 mm)  
with standard tires ..... 139 IN (3530.6 mm)  
with flotation tires ..... 148.5 IN (3695.7 mm)

#### Tread width

with standard tires ..... 122.6 IN (3530.6 mm)  
with flotation tires ..... 127.0 IN (3225.8 mm)

### TIRES

#### Drive wheels

standard ..... 16.5L - 16.1 bar tread  
optional flotation ..... 21.5L - 16.1  
wheel nuts ..... 5/8-18 threads  
torque ..... 200 LB-FT (271 N·m)

Rear caster wheels .. 7.60-15 4-ply implement type rib  
wheel bolts ..... 9/16-18 threads  
torque ..... 110 to 130 LB-FT (149 to 176 N·m)

Tire pressure, all tires ..... 20 psi (138 kPa)

### ENGINE

#### Case IH, 4-390 Diesel Engine

horsepower ..... 75 @ 2300 rpm (r/min)  
high idle ..... 2500 rpm (r/min)  
displacement ..... 238 CU IN (3.9 L)  
cooling system capacity .... 22 U.S. quarts (20.8 L)  
cooling fan diameter ..... 17.7 IN (450 mm)

#### Chrysler, Model H225 Gasoline Engine

horsepower ..... 70 @ 2500 rpm (r/min)  
high idle ..... 2500 rpm (r/min)  
displacement ..... 225 CU IN (3.7 L)  
cooling system capacity .... 22 U.S. quarts (20.8 L)  
cooling fan diameter ..... 19 IN (482.6 mm)  
spark plug ..... Champion RBL-11-Y Mopar 556PR

Fuel tank capacity ..... 42 U.S. gallons (159 L)

### ELECTRICAL SYSTEM

System voltage ..... 12 volts

Grounding ..... negative

Battery, minimum cranking capacity at 0°F

diesel engine (2 batteries) ..... 300 amperes

gasoline engine ..... 450 amperes

#### Alternator

manufacturer ..... Robert Bosch

output ..... 65 amperes

### DRIVE SYSTEM

Final drive ..... roller chain

primary reduction ..... No. 50

final reduction ..... No. 80

Tandem pump ..... Vickers Model 19

Ground drive motors ..... Vickers fixed displacement

### HYDRAULIC SYSTEM

Main system relief pressure ..... 2000 psi (13 790 kPa)

### CAB

Cab glass ..... Tinted, 63 sq ft (5.9 m<sup>2</sup>)

Steering column ..... 5 position tilt

Instrument panel gauges ..... flotation pressure gauge,

hourmeter, fuel gauge, engine coolant

temperature gauge, three function

cluster gauge with audible horn

### AIR CONDITIONING

System size ..... 22,000 BTU/hr

Fluid ..... Freon F-12

Capacity ..... 4 LB (2 kg)

Compressor ..... Sankyo SD-508

displacement ..... 8.4 CU IN (138 cm<sup>3</sup>)

### ACCESSORIES

Lights ..... 4 front lamps, square halogen;

1 rear lamp, square halogen;

flashers on header and tractor;

red tail lamp; turn signals

Rear view mirrors (left hand standard) ..... deluxe

Controls ..... shape-coded handles

**LUBRICATION**

**Grease Fittings**

- quantity ..... as required
- lubricant ..... Case IH 251H EP Lithium Grease

**Wheel Bearings**

- quantity ..... as required
- lubricant ..... Case IH 251H EP Lithium Grease

**Roller Chain, Chain Cases**

- lubricant ..... see Chain Cases, Final Drive

**Engine Oil, Diesel Engine**

- capacity ..... 12 U.S. quarts (10.4 L)
- type of fluid ..... Case IH No. 1 Engine Oil,  
SAE 15W 40, API CE, CDII/CF-4

**Engine Oil, Gasoline Engine**

- capacity ..... 6 U.S. quarts (5.2 L)
- type of fluid ..... Case IH Low Ash, SAE 30

**Hydraulic System**

- capacity
    - total system ..... 12 U.S. gallons (45 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.*

**Chain Cases, Final Drive**

- capacity, each ..... 8 pints (3.8 L)
- lubricant .. Case IH 135H EP Gear Lube 85W 140

# CHECKLISTS

**DAILY CHECKLIST**

The requirements of a daily checklist are satisfied by accomplishing the walk-around checkout of components listed under "Preparation".

- When the windrower is transported on a road or highway at night or during the day, accessory lights and devices should be used for adequate warning to operators of other vehicles.

**BEFORE EACH SEASON**

- Remove accumulated dirt, trash, and crop material from machine.
- Accomplish requirements of "Preparation" section.
- Accomplish all lubrication and servicing.
- Check the engine manual for pre-starting instructions for engine prepared for storage.

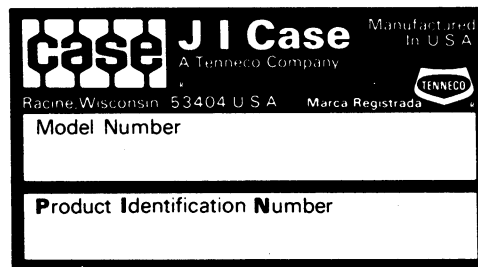
- Fill engine radiator with coolant.
- Remove any dirt or trash from radiator.
- Clean primary air cleaner and replace main air cleaner element.
- Replace hydraulic reservoir breather air filter.
- With windrower operation in a stationary position, observe the operation of moving parts. Watch for any signs of faulty operation, overheated bearings, and listen for any unusual sounds.
- Make sure the proper operating adjustments have been made for your crop.
- Check for any special attachment which will help you to do a better job. See "Extra Equipment".

## SERIAL NUMBERS

# 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** \_\_\_\_\_

## **SAFETY PRECAUTIONS**

The manufacturer of this product is concerned about your safety and is committed to the prevention of accidents. A major factor in prevention of accidents is safe and proper use of the equipment. Be sure you or anyone who does any maintenance or service work on this machine reads and understands this manual prior to doing any maintenance or service work on this machine.



**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.**

**Read and understand all operating instructions and precautions before attempting to operate or service the machine.**

**Caution others, especially children, about climbing on the machine or being too close while machine is operating.**

**Emphasize the importance of safety when working around and operating the machine.**

**Always remain seated and have seat belt fastened while operating machine.**

**Make sure all safety shields are in place before operating the machine.**

**Any time the engine is running and the parking brake is disengaged, the machine will turn if the steering wheel is moved, even though the travel control lever is in neutral.**

**Before doing any maintenance or service work on the tractor or the header you must:**

**Put all controls in NEUTRAL.**

**Apply the parking brake.**

**Lower the header to the floor.**

**Center and lock the steering wheel.**

**Stop the engine.**

**Make sure all moving parts have stopped.**

**Never stand behind tractor while the header is running.**

**Do not ride on the machine at any time.**

**Never carry riders.**

**Never operate machine at high speeds in crowded places.**

**Never suddenly reverse wheels to stop or backup.**

**Always lower header to ground when parking.**

**Always apply parking brake when parking.**

**Always travel with header as low as possible.**



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