### 8830 Windrower Tractor

**Operator's Manual** 

9-25372

Reprinted





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.

M171E

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







if used, are RED.



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**

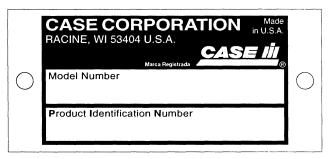
(Specifications and design are subject to change without notice and without liability therefore.)

DIMENSIONS AND WEIGHTS   Length, overall with header   242 IN (6147 mm) wheel base   124 IN (3150 mm)	MODEL 8830 Windrower Tractor	HYDRAULIC SYSTEM
wheel base   124 IN (3150 mm)   Header lift system   relief pressure   2000 psi (13 790 kPa)   Header lift system   relief pressure   2000 psi (13 790 kPa)   Header lift system   relief pressure   2000 psi (13 790 kPa)   Header lift system   relief pressure   2000 psi (13 790 kPa)   Header lift system   relief pressure   2000 psi (13 790 kPa)   Header lift system   relief pressure   2000 psi (13 790 kPa)   Header   Relief pressure   2000 psi (13 80 mm)   Header   Relief pressure   2000 psi (13 790 kPa)   Header   Relief pressure   2000 psi (13 790 kPa)   Header   Relief pressure   2000 psi (13 80 mm)   Header   Relief pressure   2000 psi (13 790 kPa)   Header   Relief pressure   2000 psi (13 80 mm)   Hea	DIMENSIONS AND WEIGHTS	
Height top of cab		
top of cab	wheel base 124 IN (3150 mm)	
clearance under frame 34.4 IN (874 mm) Width outside of hubs 119.6 IN (3038 mm) with standard tires 139 IN (3631 mm) with standard tires 148.5 IN (3772 mm) Iread width, drive wheels standard tires 122.6 IN (3114 mm) flotation tires 127 IN (3226 mm) Tread width, tail wheels minimum 110.2 IN (2800 mm) Weight (approximate) with 12 FT auger header 8740 LB (3968 kg) with 14 FT auger header 8740 LB (3968 kg) with 14 FT auger header 8740 LB (3968 kg) with 14 FT auger header 8740 LB (3968 kg) with 14 FT auger header 8740 LB (3968 kg) with 12 FT auger header 8740 LB (3968 kg) with 12 FT auger header 8740 LB (3968 kg) with 14 FT auger header 8740 LB (3968 kg) with 12 FT auger header 8740 LB (3968 kg) with 12 FT auger header 8740 LB (3968 kg) with 14 FT auger header 8740 LB (3968 kg) with 12 FT auger header 8740 LB (3968 kg) with 12 FT auger header 8740 LB (3968 kg) with 12 FT auger header 8740 LB (3968 kg) with 12 FT auger header 8740 LB (3968 kg) with 12 FT auger header 8740 LB (3968 kg) with 12 FT auger header 8740 LB (3968 kg) with 12 FT auger header 8740 LB (3968 kg) with 12 FT auger header 8740 LB (3968 kg) with 12 FT auger header 8740 LB (3968 kg) with 12 FT auger header 8740 LB (3968 kg) with 12 FT auger header 8740 LB (3968 kg) with 12 FT auger header 8740 LB (3968 kg) with 12 FT auger header 8740 LB (3968 kg) with 12 FT auger header 8740 LB (3968 kg) with 14 FT auger header 8740 LB (3968 kg) with 14 FT auger header 8740 LB (3968 kg) with 14 FT auger header 8740 LB (3968 kg) with 14 FT auger header 8740 LB (3968 kg) with 14 FT auger header 8740 LB (3968 kg) with 14 FT auger header 8740 LB (3968 kg) with 14 FT auger header 8740 LB (3968 kg) with 14 FT auger header 8740 LB (3968 kg) with 14 FT auger header 8740 LB (3968 kg) with 14 FT auger header 8740 LB (3968 kg) with 14 FT auger header 8740 LB (3968 kg) with 14 FT auger header 8740 LB (396		relief pressure 2000 psi (13 790 kPa)
clearance under frame		HEADER FLOTATION SYSTEM
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with flotation tires		
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 14 FT auger header 8740 LB (3968 kg) with 14 FT auger header 8740 LB (3968 kg) with 14 FT auger header 8740 LB (3968 kg) with 14 FT auger header 8840 LB (4013 kg)  TIRES  TIRES  TIRES  TIRES  TIRES  TIRES  TORING  Sandard tires 16.5L-16.1, burf 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 5/10 fto que 120 LB-FT (125 N-m) Tire pressure, all tires 20 psi (138 kPa)  ENGINE  Model	with flotation tires 148 5 IN (33772 mm)	
standard tires 122.6 IN (3114 mm) flotation tires 277 IN (3226 mm)  Tread width, tail wheels minimum 8.4.3 IN (2141 mm) maximum 110.2 IN (2800 mm)  Weight (approximate) 110.2 IN (2800 mm)  Horizontal temperature and instrument cluster warning lamps 12 Ilerantor, engine coolant temperature and underline engine oil pressure, and coolant temperature and underline engine coolant temperature and underline engine oil pressure, and engine coolant temperature and underline engine oil pressure, and engine coolant temperature and underline engine oil pressure, and engine coolant temperature and underline engine oil pressure, and engine coolant temperature and underline engine oil pressure, and engine coolant temperature and underline engine oil pressure, and engine coolant temperature and underline engine oil pressure, and engine oil pressure, and engine coolant temperature and underline engine oil pressure, and engine coolant temperature and underline engine oil pressure and underline engine oil pressure and underl		
flotation tires		
Tread width, tail wheels maximum		
Maximum   Meight (approximate)   Meight (approximate)   Meight (approximate)   Meight (approximate)   Mithout header   S950 LB (2701 kg)   Mith 14 FT auger header   S740 LB (3968 kg)   Mith 14 FT auger header   S840 LB (4013 kg)   System size   22,000 BTU/hr (154		
Weight (approximate) without header		
without header		engine coolant temperature
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 (715 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  Case, 4-390 Horsepower 75 @ 2300 rpm (/min) High idle 2500 rpm (/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 minimum cranking capacity 0 Ft ye SAE J537, Size 24 or 27, top post Alternator manufacturer Robert Bosch output 65 amperes  GROUND DRIVE SYSTEM Final drive 56 miner significant No. 80 Tandem pump 70 Vickers fixed displacement 10 case IH 135H EP Gear Lube 85W 140 Tiran Plus a complete oil replacement is required. Chain primary reduction No. 80 Tandem pump 70 Vickers fixed displacement 10 case IH 135H EP Gear Lube 85W 140 Tiran Plus Cas	Weight (approximate)	
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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 12V, 450 amp minimum cranking capacity @ 0°F type SAE J537, Size 24 or 27, top post Alternator manufacturer 5ROUND DRIVE SYSTEM Final drive 6ROUND DRIVE SYSTEM Final drive 7 Canded Part 19, piston Ground drive motors Vickers fixed displacement  7.60-15, 4-ply implement 9/16-18 (165 N·m) 9/16-18 (165 N·m) 1 light rear, square halogen flashers on header and tractor, tail light, turn signals flashers on header and tractor, tail light, turn signals flashers on header and tractor, tail light, turn signals flashers on header and tractor, tail light, turn signals flashers on header and tractor, tail light, turn signals flashers on header and tractor, tail light rear, square halogen flashers on header and tractor, tail light, turn signals flashers on header and tractor, tail light rear, square halogen flashers on header and tractor, tail light, turn signals flashers on header and tractor, tail light, turn signals flashers on header and tractor, tail light, turn signals flashers on header and tractor, tail light, turn signals flashers on header and tractor, tail light, turn signals flashers on header and tractor, tail light rear, square halogen flashers on header and tractor, tail light f	torque 200 LR ET (271 N m)	
wheel bolts	Rear caster wheels 7 60-15 4-nly implement rib	
torque		
ENGINE  Model	torque	
ENGINE  Model	Tire pressure, all tires	
Model	ENGINE	
Horsepower		LUBRICATION
High idle		
Displacement	High idle 2500 rpm (r/min)	lubricant CASE IH 251 HEP Lithium Grease
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 80 cutput 65 amperes  GROUND DRIVE SYSTEM Final drive 70 roller chain primary reduction 87 noller chain primary reduction No. 50 final reduction No. 80 Tandem pump Vickers Model 19, piston Ground drive motors Vickers fixed displacement	Displacement 239 CU IN (3.9 L)	
Fuel tank capacity	Cooling system capacity 22 U.S. quarts (20.8 L)	
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Grounding		
Battery quantity	System voltage 12 volts	
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minimum cranking capacity @ 0°F type	quantity	reservoir
type	capacity, each 12v, 450 amp	
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manufacturer Robert Bosch output 65 amperes  GROUND DRIVE SYSTEM Final drive reduction No. 50 final reduction No. 80 Tandem pump Vickers Model 19, piston Ground drive motors Vickers fixed displacement		
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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		Tran Plus a complete oil replacement is required.
Final drive	•	
primary reduction		
final reduction		iubiicani Case in 1330 Er Geai Lube 85W 140
Tandem pump		
Ground drive motors Vickers fixed displacement	Tandem pump Vickers Model 19, piston	
	Ground drive motors Vickers fixed displacement	
	Speed, (approximate) 0 to 13 mph (0 to 21 km/h)	

#### **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



Our support email: ebooklibonline@outlook.com