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MANUAL PREVIEW

MacDon

Operator's Manual

9000

Self-Propelled
Windrower

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MAC-O-9000WR

Operator's Manual

INTRODUCTION

Your new Self-Propelled Windrower is designed to cut and lay in windrows, a wide variety of grain, hay and specialty crops. Windrowing allows starting the harvest earlier, protects the crop from wind damage, and gives you more flexibility in scheduling combine time.

The power unit (referred to in this manual as the "tractor"), when coupled with one of the specially designed draper or auger headers, provides a package which incorporates many features and improvements in design requested by Owner/Operators like yourself.

NOTE: This manual contains information on the windrower tractor only. It is to be used in conjunction with the Header Operator's Manual.

CAREFULLY READ BOTH MANUALS TO BECOME FAMILIAR WITH ALL RECOMMENDED PROCEDURES BEFORE ATTEMPTING TO UNLOAD, ASSEMBLE OR USE THE WINDROWER.

Use the manual as your first source of information about the machine. If you follow the instructions given in this manual, your Windrower will work well for many years.

The manual contains instructions for "Safety", "Operation", and "Maintenance/Service". In addition "Unloading and Assembly" information is given towards the back of this book.

Use the Table of Contents and the Index to guide you to specific areas. Study the Table of Contents to familiarize yourself with how the material is organized.

Keep this manual handy for frequent reference and to pass on to new operators or owners. Call your Windrower dealer if you need assistance, information, or additional copies of the manuals.

NOTE: Right hand (R/H) and left hand (L/H) designations are determined from the operator's position, facing forward.



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SPECIFICATIONS

ELECTRICAL:

Battery Requirement	12 Volt, minimum 560 CCA / recommended 640 CCA @ 0°F (-18°C)
Alternator	105 Amp
Breakers: Lights (manual re-set)	50 Amp
Main (all functions except lights, manual re-set)	50 Amp
Air Conditioning, Header Controls and Seat Switch	25 Amp
Instruments and Radio	6 Amp
Wiper, Interior Lights, Radio Memory and Two-Way Radio	6 Amp
Fuses: Screen Motor	7.5 Amp
Cigar Lighter	20 Amp

AIR CONDITIONING:

Cooling Capacity	24,000 B.T.U./hour
Compressor	8.4 cu. in./rev., rotary

PARK BRAKE: Drum type, lever activated

DRIVE TIRES: Inflation Pressure

18.4 - 16.1 R1 Bar Type	19 psi (132 kPa)
21.5L - 16.1 I3 Bar Type	19 psi (132 kPa)
21.5L - 16.1 R3 Turf & Field	19 psi (132 kPa)

TAIL WHEEL TIRES: Inflation Pressure

9.5L - 14 I1 Rib Implement	10 psi (70 kPa)
16.5L - 16.1 I1 10 ply Rib	5 psi (35 kPa)

CAPACITIES: See "System Capacities" in Maintenance/Service section.

DIESEL ENGINES:

Type	Cummins 4-390, 4 Cylinder, 4 stroke cycle - Naturally Aspirated <u>or</u> Turbocharged
Displacement	239 cu.in. (3.92 L)
Power: Naturally Aspirated version	76 hp (56 kW) @ 2500 rpm
Turbocharged version	96 hp (71 kW) @ 2300 rpm
Bore	4.02 in. (102 mm)
Stroke	4.72 in. (120 mm)
Compression Ratio	17.0 to 1
Oil Type	See "Fuels, Fluids and Lubricants" in Maintenance/Service section
Oil Pressure: @ 2300 rpm	30 to 60 psi (210 to 415 kPa)
@ minimum (idle rpm)	13 psi (90 kPa)
Firing Order (No.1 cylinder at fan end)	1 - 3 - 4 - 2
Maximum (no load) Engine Speed: Naturally Aspirated version	2645 - 2705 rpm
Turbocharged version	2425 - 2475 rpm
Engine Idle Speed	1050 rpm
Rocker Arm-to-Valve Clearance: Exhaust	0.020 inch (0.50 mm)
Intake	0.010 inch (0.25 mm)

IMPORTANT: Rocker arm-to-valve clearance adjustments must be made with the engine not running.

Thermostat	180°F (82°C)
Fuel	See "Fuels, Fluids and Lubricants" in Maintenance/Service section
Engine Coolant	See "Fuels, Fluids and Lubricants" in Maintenance/Service section

NOTE: Specifications and design are subject to change without notice or obligation to revise units previously sold.