



Whirlpool WMAHM Installation Instructions Manual

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Recognize this symbol as a safety precaution.

Recognize Safety Symbols, Words and Labels

The following symbols and labels are used throughout this manual to indicate immediate or potential hazards. It is the owner's responsibility to read and comply with all safety information and instructions accompanying these symbols. Failure to heed safety information increases the risk of serious personal injury or death, property damage and/or product damage.



WARNING

Hazards or unsafe practices could result in property damage, product damage, severe personal injury or death.

Goodman 1

CAUTION

Hazards or unsafe practices may result in property damage, product damage, personal injury or death.

Placeholder
for Bar
Code
Whirlpool
Models WMAHM, WMAHV
WPIO-239E

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AIR HANDLER SAFETY

Installation and repair of this unit should be performed ONLY by individuals meeting the requirements of an "Entry Level Technician" as specified by the Air-Conditioning, Heating and Refrigeration Institute (AHRI). Attempting to install or repair this unit without such background may result in product damage, personal injury or death.

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CAUTION

Goodman 9

Hazards or unsafe practices may result in property or product damage.

WARNING

Goodman 7

WARNING

HIGH VOLTAGE!

Goodman 6

Disconnect ALL power before servicing.

Multiple power sources may be present.

Failure to do so may cause property damage, personal injury or death.



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Related Manuals for Whirlpool WMAHM

[Air Handlers Whirlpool WAHMS Installation Instructions And Owner's Manual](#)

(20 pages)

[Air Handlers Whirlpool WAHU Installation Instructions Manual](#)

Up to 60" (16 pages)

[Air Handlers Whirlpool WM Series Manual](#)

Multiposition air handler (6 pages)

Summary of Contents for Whirlpool WMAHM

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HIGH VOLTAGE! Goodman 6 Disconnect ALL power before servicing. Multiple power sources may be present. Failure to do so may cause property damage, personal injury or death. Placeholder for Bar Code Whirlpool © Models WMAHM, WMAHV WPIO-239E...

[Page 2: Installation Requirements](#)

WARNING DANGER Goodman 33 This product is factory-shipped for use with 208/240/1/60 electrical power supply. DO NOT reconfigure this air handler to operate with any other power supply. WARNING CARBON MONOXIDE POISONING HAZARD Special Warning for Installation of Furnace or Air Handling To avoid property damage, personal injury or death due to Units in Enclosed Areas such as Garages, Utility Rooms or electrical shock, this unit MUST have an uninterrupted,...

[Page 3: Tools And Parts](#)

An optional electric heater may be installed in this cabinet. For Louvered closet doors shall be sized with the minimum electric heater accessory, refer to the electric heater rating plate opening required to provide minimum return air free area. See for specific information regarding the electric supply.

[Page 4: Electrical Requirements](#)

Installation Configuration Options Electrical Requirements NOTE: Typical installations with optional WMAH modular evaporator coil are shown. Applications—Upflow/Counterflow WARNING Goodman 31 To avoid the risk of injury, electrical shock or death, the furnace must be electrically grounded in accordance with local codes or, in their absence, with the latest edition of the National Electric Code (NEC).

[Page 5: Installation Instructions](#)

INSTALLATION INSTRUCTIONS Upflow Installation Inspect Shipment The air handler is completely factory assembled, and all For upflow installations, the blower cabinet must sit on top of the components are performance tested. Each unit consists of a coil cabinet. blower assembly and controls in an insulated, galvanized factory- NOTE: All panels should be in place before installing the cabinet.

[Page 6: Install Filter](#)

Counterflow Application Hanging Installation A. Rods B. Airflow direction C. Support 1. Set the unit near its final installation place. The unit must be A. Coil cabinet supported along the entire length of the unit. B. Blower cabinet 2. Install rubber isolation pads to reduce sound and vibration C.

[Page 7: Make Electrical Connections](#)

Typical filter sizes are shown; however, any combination of WARNING filters whose area equals

or exceeds the minimum area Goodman 40 shown is satisfactory. To avoid the risk of personal injury, wiring to the unit must Minimum Filter Requirements Chart be properly polarized and grounded.

[Page 8](#) Multiple power sources may be present. Failure to do so may cause property damage, personal injury or death. WMAHM Wiring Diagram—Low Voltage for Cooling Unit with Optional Heat Kit—10KW and Below Room Thermostat #18 Gauge - 4 Wires With Cooling,...

[Page 9](#) Goodman 6 Long Disconnect ALL power before servicing. Multiple power sources may be present. Failure to do so may cause property damage, personal injury or death. WMAHM System Composite Diagram—800 to 2000—10KW and Below Conventional Heat Pump Room Thermostat #18 Gauge - 7 Wire...

[Page 10](#) WARNING HIGH VOLTAGE! Goodman 6 Long Disconnect ALL power before servicing. Multiple power sources may be present. Failure to do so may cause property damage, personal injury or death. WMAHV Single-Stage Cooling with Single- or 2-Stage Heating Cooling Only—2-Stage Heat Thermostat Room Thermostat Humidistat Condensing Unit...

[Page 11](#) WARNING HIGH VOLTAGE! Goodman 6 Long Disconnect ALL power before servicing. Multiple power sources may be present. Failure to do so may cause property damage, personal injury or death. Cooling Only—2-Stage Heat—Outdoor Thermostat Enabled Room Thermostat Outdoor Thermostat Humidistat Condensing Unit (Optional) To Comfort Alert See Note 5...

[Page 12](#) WARNING HIGH VOLTAGE! Goodman 6 Long Disconnect ALL power before servicing. Multiple power sources may be present. Failure to do so may cause property damage, personal injury or death. Heat Pump—2-Stage Emergency Heat and 1-Stage Auxiliary Heat Heat Pump Room Thermostat Humidistat (Optional) See Note 4...

[Page 13](#) WARNING HIGH VOLTAGE! Goodman 6 Long Disconnect ALL power before servicing. Multiple power sources may be present. Failure to do so may cause property damage, personal injury or death. Heat Pump—2-Stage Emergency Heat and 2-Stage Auxiliary Heat—2 Outdoor Thermostats Heat Pump Room Thermostat Humidistat (Optional)

[Page 14](#) WARNING HIGH VOLTAGE! Goodman 6 Long Disconnect ALL power before servicing. Multiple power sources may be present. Failure to do so may cause property damage, personal injury or death. WMAHV 2-Stage Cooling with Conventional 2-Stage Thermostat 2-Speed Cooling Only—1-Stage Electric Heat Room Thermostat Humidistat (Optional)

[Page 15](#) WARNING HIGH VOLTAGE! Goodman 6 Long Disconnect ALL power before servicing. Multiple power sources may be present. Failure to do so may cause property damage, personal injury or death. 2-Speed Cooling Only—2-Stage Heat—Outdoor Thermostat Enabled Room Thermostat Outdoor Thermostat Humidistat 2-Speed Condensing Unit (Optional) To Comfort Alert...

[Page 16](#) WARNING HIGH VOLTAGE! Goodman 6 Long Disconnect ALL power before servicing. Multiple power sources may be present. Failure to do so may cause property damage, personal injury or death. Heat Pump—2-Stage Emergency Heat and 1-Stage Auxiliary Heat Room Thermostat Heat Pump Humidistat (Optional) See Note 4...

[Page 17](#) WARNING HIGH VOLTAGE! Goodman 6 Long Disconnect ALL power before servicing. Multiple power sources may be present. Failure to do so may cause property damage, personal injury or death. Heat Pump—2-Stage Emergency Heat and 2-Stage Auxiliary Heat—2 Outdoor Thermostats Heat Pump Room Thermostat Humidistat (Optional)

[Page 18](#) WARNING HIGH VOLTAGE! Goodman 6 Long Disconnect ALL power before servicing. Multiple power sources may be present. Failure to do so may cause property damage, personal injury or death. WMAHV 2-Speed Heat Pump with Single- or 2-Stage Heating and Options for Emergency Heat—Conventional 2-Stage Thermostat Heat Pump—1-Stage Emergency Heat and 1-Stage Auxiliary Heat 2-Speed Heat Pump...

[Page 19](#) WARNING HIGH VOLTAGE! Goodman 6 Long Disconnect ALL power before servicing. Multiple power sources may be present. Failure to do so may cause property damage, personal injury or death. Heat Pump—2-Stage Emergency Heat and 2-Stage Auxiliary Heat—1 Outdoor Thermostat Outdoor Thermostat 2-Speed Heat Pump Room Thermostat Humidistat...

[Page 20: Complete Installation](#)

WARNING HIGH VOLTAGE! Goodman 6 Long Disconnect ALL power before servicing. Multiple power sources may be present. Failure to do so may cause property damage, personal injury or death. Heat Pump—2-Stage Emergency Heat and 2-Stage Auxiliary Heat—2 Outdoor Thermostats 2-Speed Heat Pump Room Thermostat Humidistat (Optional)

[Page 21](#) Motor Speed Adjustment DIP Switch Number Function Each WMAHV blower motor has been preprogrammed for operation at 4 distinct airflow levels when operating in cooling/heat pump mode or electric heat mode. These 4 distinct levels Electric Heat may also be adjusted slightly lower or higher if desired. The adjustment between levels and the trim adjustments are made by changing the DIP switch(s) either to an OFF or ON position.

[Page 22](#) Check Airflow (WMAHM Motor) For proper cooling operation, the airflow through the indoor coil should be between 350 and 450 CFM per ton of cooling capacity (or 350 to 450 CFM per 12,000 Btu/h) based on the rating of the outdoor condensing unit.

[Page 23: Sequence Of Operation](#)

If you need further assistance, you can write to the below address with any questions or concerns: Accessories Whirlpool ® Home Cooling and Heating To order accessories, contact your Whirlpool © Home Cooling and 14610 Breakers Drive Heating dealer. Jacksonville, FL 32258 Electric Heat Kits Please include a daytime phone number in your correspondence.

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This manual is also suitable for:

[WmahvWpio-239e](#)