





## Whirlpool WAHU Installation Instructions Manual

Up to 60"



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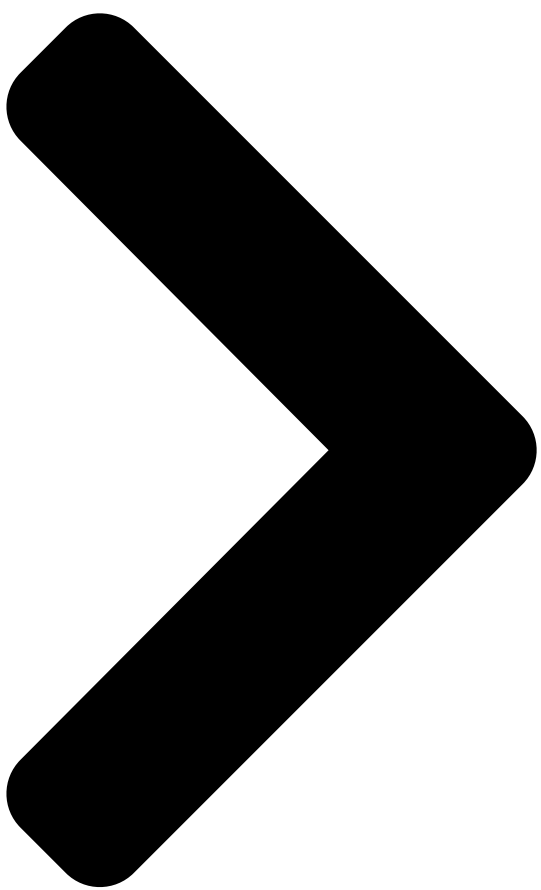
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# AIR HANDLER INSTALLATION INSTRUCTIONS



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## INSTALLATION INSTRUCTIONS .....

### Inspect Shipment .....

We have provided many important safety messages in this manual and on your appliance. Always read and obey all safety messages.

This is the safety alert symbol.

This symbol alerts you to potential hazards that can kill or hurt you and others.

All safety messages will follow the safety alert symbol and either the word "DANGER" or "WARNING."

These words mean:



All safety messages will tell you what the potential hazard is, tell you how to reduce the chance of injury, and tell you what can happen if the instructions are not followed.

**Whirlpool**

Models WAHU, WAHM

065937400

## AIR HANDLER SAFETY

**Your safety and the safety of others are very important.**

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**You can be killed or seriously injured if you don't immediately follow instructions.**

**You can be killed or seriously injured if you don't follow instructions.**



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## Related Manuals for Whirlpool WAHU

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

(20 pages)

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

(24 pages)

### [Air Handlers Whirlpool WM Series Manual](#)

Multiposition air handler (6 pages)

## Summary of Contents for Whirlpool WAHU

### [Page 1: Table Of Contents](#)

WARNING instructions. All safety messages will tell you what the potential hazard is, tell you how to reduce the chance of injury, and tell you what can happen if the instructions are not followed. Whirlpool ® Models WAHU, WAHM 065937400...

### [Page 2: Installation Requirements](#)

INSTALLATION REQUIREMENTS These instructions are intended as a general guide only and do not supersede any national or local codes in any way. Outdoor System Requirements Compliance with all local, state, or national codes pertaining to The air handler is designed to match, and must be used with, this type of equipment should be determined prior to installation.

### [Page 3: Installation Configurations](#)

Conversion from Vertical to Horizontal Installation Clearances An upflow only air handler may be converted to horizontal air discharge by installing a horizontal drain pan kit. See Non-Ducted Return Closet Installation "Accessories." The air handler can be installed in a closet with a false bottom to An upflow/horizontal air handler may be converted from form a return air plenum or be installed with a return air plenum horizontal left-hand discharge to horizontal right-hand discharge...

### [Page 4: Drain Pan Connections](#)

Horizontal Left Conversion to Horizontal Right Factory ready (on some models) Before Conversion Drains A. Drain connections B. Coil access cover C. Blower access cover Drain Pan Connections Horizontal Installations can be either "Right" or "Left." For Horizontal Right Installations, a drain pan location change is required.

### [Page 5: Electrical Requirements-Models Without Factory-Installed Electric Heat](#)

After Conversion The power supply must be sized and protected according to the specifications supplied on the product. This air handler is factory-configured for 120-volt or 240-volt, single phase, 60 cycles. For 208-volt applications, see "208-Volt Conversion" in the "Make Electrical Connections— Models Without Factory-Installed Electric Heat"...

### [Page 6: Ductwork Requirements](#)

Ductwork Requirements Install the conditioned air plenum, ducts and air filters (not Supply and return ductwork must be adequately sized to provided) in accordance with NFPA 90B Standard for the meet the system's air requirements and static pressure Installation of Warm Air Heating and Air-Conditioning capabilities.

## [Page 7: Install Condensate Drain](#)

3. Place air handler in vertical position. Typical Condensate Drain Connection (secondary drain not shown) Filter Size Chart Model Filter Size 18 / 24 16" x 20" 30 / 36 18" x 20" 1.00" Min. 42 / 48 / 60 18"...

## [Page 8: Verify Orifice Size](#)

Verify Orifice Size Connect Refrigerant Lines NOTE: Some models are equipped with thermo expansion valve Refrigerant lines must be connected by a licensed, EPA certified and do not require any orifice change. refrigerant technician in accordance with established procedures. IMPORTANT: Connecting refrigerant lines must be clean, dehydrated, refrigerant-grade copper lines.

## [Page 9: Make Electrical Connections-Models With Factory-Installed Electric Heat](#)

4. Using UL listed wire nuts, connect the field supply wires to 208-Volt Conversion the air handler (black to black and yellow to yellow). WARNING Electrical Shock Hazard Disconnect all power supplies before servicing. Replace all parts and panels before operating. Failure to do so can result in death or electrical shock.

[Page 10](#) 4. Connect appropriate size wire to the circuit breaker terminals. Connect to Circuit Breaker If circuit breakers are not provided, a terminal block is NOTE: There are 2 ground terminals marked "GND" shown here. provided. There may be 1, 2 or 3 ground terminals depending on the number of circuit breakers.

[Page 11](#) Low Voltage Connections Thermostat Air Handler Thermostat Air Handler Heat Only Application Condensing Unit Cooling Only Application Thermostat Thermostat Air Handler Heat Pump Unit Air Handler Condensing Unit Cooling Application with Electric Heat Connect common wire only if required. See thermostat installation instructions. Heat Pump Application with Electric Heat...

[Page 12](#) Wiring Diagram - Electric Heat and Blower Part No. 065866900 Wiring Diagram - Electric Heat Heaters Used 2nd Stage SEQ2 18 BK 5 KW = HE1 12 BK 12 BK 7.5 & 10 KW = HE1 & HE2 12 BK 15 KW = HE1,HE2 &...

## [Page 13: Complete Installation](#)

Complete Installation NOTE: Refer to outdoor unit installation instructions for system IMPORTANT: The cooling blower speed must be set to provide a start-up instructions and refrigerant charging instructions. minimum of 350 CFM airflow per ton (12,000 Btu/h) of outdoor cooling capacity. Pre-Start Check WARNING Is unit properly located, level, secure, and serviceable?

## [Page 14: Sequence Of Operation](#)

Contact a qualified person. ASSISTANCE OR SERVICE If you need further assistance, you can write to the below address with any questions or concerns: Accessories Whirlpool ® Home Cooling and Heating Electric Heat Kits 317 S. North Lake Blvd. Refer to the accessory kit label on the front panel of the air Altomonte Springs, FL 32701 handler for electric heat kit accessory options and applications.

[Page 16](#) Model number \_\_\_\_\_ Serial number \_\_\_\_\_

Installation date \_\_\_\_\_

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This manual is also suitable for:

Wahm