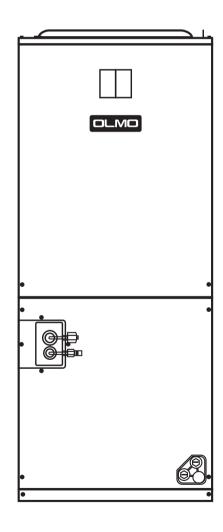


MULTI-POSITION AHU

INDOOR UNIT

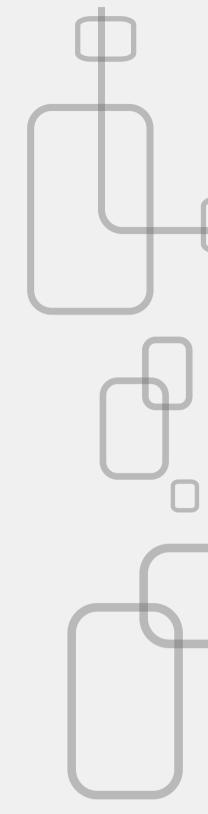
CENTRAL SPLIT AIR HANDLER AIR CONDITIONING SYSTEM

Installation Manual



IMPORTANT NOTE:

Thank you for purchasing our air conditioning system. Please read this manual carefully before operating your new air conditioning units. Make sure to save this manual for future reference.



Model:

OS-EAH36-230VI

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Caution Statements

Alert Symbols:

• DANGER : The symbol refers to a hazard which can result in severe personal injury or death.

▲ WARNING: The symbol refers to a hazard or an unsafe practice which may result in severe personal iniury or death.

▲ CAUTION: The symbol refers to a hazard or an unsafe practice which may result in minor personal iniury. product or property damage.

: It refers to the remarks and instruction to the operation, maintenance and service. NOTE

- Installation, maintenance and repair of this unit must be performed by a qualified, licensed service personnel.
- Read these instructions thoroughly before installation or operation. Failure to follow these instructions may result in improper installation, service or maintenance, possibly resulting in fire, electrical shock, property damage, personal injury or death.
- Before installation, check if the voltage of the power supply at installation site is the same as the voltage shown on the nameplate.

♠ DANGER

- Do not perform any alteration to this product, otherwise, it may cause water leakage. breakdown, short circuit, electric shock, fire, etc.
- Piping, welding and other such work should be carried out far away from the flammable and explosive materials, including the air conditioner refrigerant, to guarantee the security of the site.
- To protect the air conditioner from heavy corrosion, avoid installing the outdoor unit in the place, where sea water can splash directly onto it or in sulphurous air near a spa. Do not install the air conditioner where excessively high heat-generating objects are placed.

▲ WARNING

- If the supply cord is damaged, it must be replaced by the factory or its service department to avoid danger.
- The place where this product is installed must have the reliable electrical grounding facilities and protections. Please do not connect the grounding of this product to various kinds of air feeding ducts, drain pipes, lightning protection facilities as well as other piping lines to avoid electric shock and damage caused by other factors.
- Wiring must be done by the qualified electrician. All the wiring operations must be conducted according to the local electrical codes.
- You should consider the capacity of the electric current of your electrical meter and socket before installation.
- The power wire where this product is installed should have the independent leakage protection device and the electric current over-load protection device provided for this product.
- Never use gasoline or other inflammable gas near the air conditioner to avoid danger. When any abnormality like burnt smell, deformation, fire, smoke, etc. is found, you should stop using the air conditioner, immediately cut off the main power supply and contact the dealer.
- The first 6 inches of supply air plenum and duct work must be constructed of sheet metal as required by NFPA 90B.
- The supply air plenum or duct must have a solid sheet metal bottom piece directly after the air handler unit with no opening, registers or flexible air ducts located in it. If flexible supply air ducts are used, they may be located only in the side walls of the rectangular plenum, a minimum of 6 inches from the solid bottom.
- Read this manual carefully before using this air conditioner. If you still have any difficulties or problems, consult your dealer for help.
- The air conditioner is designed to provide you with comfortable room conditions. Use this unit only for its intended purpose as described in this instruction manual.

A WARNING

PROPOSITION 65:

- This appliance contains fiberglass insulation. Respirable particles of fiberglass are known to State of California to cause cancer.
- All manufacturer products meet current federal OSHA Guidelines for safety. California Proposition 65 warnings are required for certain products, which are not covered by the OSHA standards.
- California's Proposition 65 requires warnings for products sold in California that
 contain or produce any of over 600 listed chemicals known to the State of California to
 cause cancer or birth defects such as fiberglass insulation, lead in brass, and
 combustion products from natural gas.
- All "new equipment" shipped for sale in California will have labels stating that the
 product contains and /or produces Proposition 65 chemicals. Although we have not
 changed our processes, having the same label on all our products facilitates
 manufacturing and shipping. We cannot always know "when, or if" products will be
 sold in the California market.
- You may receive inquiries from customers about chemicals found in, or produced by, some of our heating and air conditioning equipment, or found in natural gas used with some of our products. Listed below are those chemicals and substances commonly associated with similar equipment in our industry and other manufacturers.
 - -Glass Wool (Fiberglass) Insulation
 - -Carbon Monoxide(CO)
 - -Formaldehyde
 - -Benzene
- More details are available at the websites for OSHA (Occupational Safety and Health Administration), at www.osha.gov and the State of California's OEHHA (Office of Environmental Health Hazard Assessment), at www.oehha.org. Consumer education is important since the chemicals and substances on the list are found in our daily lives. Most consumers are aware that products present safety and health risks, when improperly used, handled and maintained.



- Do not turn the air conditioner on and off from the main power switch. Use the ON/OFF operation button.
- Do not stick anything into the air inlet and air outlet of both the indoor and outdoor units. This is dangerous because the fan is rotating at a high speed.
- Do not cool or heat the room too much if babies or invalids are present.
- Type and rating of circuit breakers / ELB are detailed below.
- The method of connection of the appliance to the electrical supply and interconnection of separate components are detailed below.
- The information of dimensions of the space necessary for correct installation of the appliance including the minimum permissible distances to adjacent structures is detailed below.
- The range of external static pressures for ducted appliances is detailed below.
- Make sure the blower motor support is tight (3-motor mounting bolts). Then check to see if wheel is tightly secured to motor shaft before operation unit.

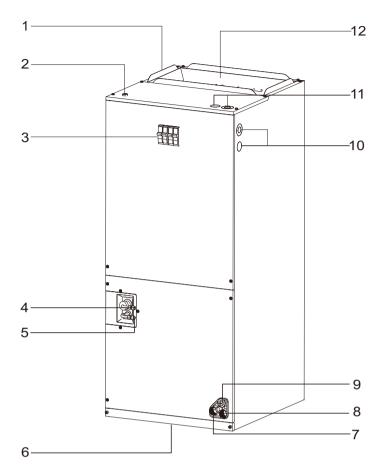
NOTE:

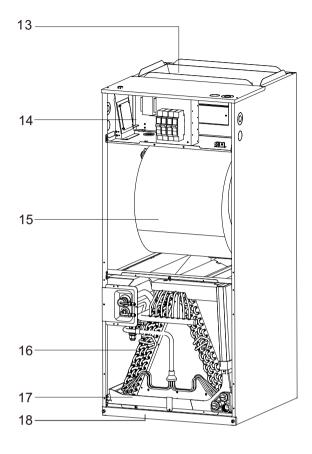
● Storage condition: Temperature -13~140°F (-25~60°C)

Humidity 30%~80%

Composition of the Air conditioner

Indoor unit





- 1. Air outlet flange
- 2. Low voltage connection (for 24V)
- 3. Circuit breaker switch (Optional)
- 4. Refrigerant pipe (Gas)
- 5. Refrigerant pipe (Liquid)
- 6. Air inlet
- 7. Auxiliary drainage hole
- 8. Drainage hole
- 9. Auxiliary drainage hole
- 10. High voltage connection
- 11. High voltage connection
- 12. Air outlet
- 13. Auxiliary heater (Optional)
- 14. Electric box
- 15. Fan volute
- 16. Evaporator
- 17. Drainage pan
- 18. Filter cover

NOTE: The figures are based on the external views of the standard model.

Consequently, the shape may differ for the air conditioner model you have selected.

Trouble Shooting



When drain water overflows from the indoor unit, stop the operation and contact your dealer. When you smell or see white smoke coming out of the unit, turn OFF the main power supply and contact your dealer.

1. If Trouble still Exists

If the trouble still exists even after checking the following, contact your dealer and inform them of the following items.

- (1) Unit Model Name
- (2) Content of Trouble

2. No Operation

Check whether the SET TEMP is set at the correct temperature.

3. Not Cooling or Heating Properly

- Check for obstruction of air flow of outdoor or indoor units.
- Check if there are too many heating sources in the room.
- Check if the air filter is clogged with dust.
- Check if the doors or windows are open.
- Check if the temperature condition is within the operation range.

4. This is Not Abnormal

Odour from Indoor Unit

Unpleasant odour diffuses from indoor unit after a long period of time. Clean the air filter and panels or allow a good ventilation.

Sound from Deforming Parts

When start or stop the system, a sound might be heard. However, this is due to thermal deformation of plastic parts. It is not abnormal.

Steam from Outdoor Heat Exchanger

During defrosting operation, ice on the outdoor heat exchanger melts resulting in steam.

Dew on Air Panel

When the cooling operation continues for a long period of time under high humidity conditions, dew can form on the air panel.

Refrigerant Flow Sound

While the system is being started or stopped, the refrigerant flow sound may be heard.

Air Filter

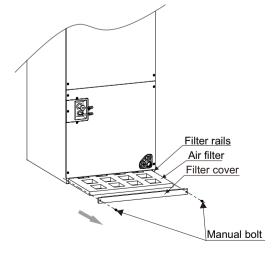
Air Filter (Not Factory-installed)

Please replace or clean the filter regularly, because there will be lots of dust accumulated on the surface of the filter after a period of time.

Follow these steps to properly replace the filter:

After removing the two manual bolts, take down the filter cover and pull out the filter from the case, then insert the new one into the case along the filter rail, at last fix the filter cover with manual bolts.

Model	Filter size (L×W×H) in.
36K	20×18×1



1. Safety Notice

WARNING

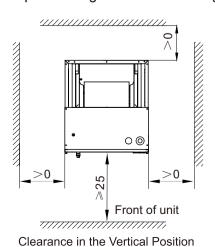
- Install the air conditioner on a solid base that can support the unit weight. (An inadequate base or incomplete installation may cause injury due to falling off from the base.)
- Electrical work should be carried out in accordance with the installation manual and the local and national electrical wiring rules or code.
 - (Insufficient capacity or incomplete electrical work may cause electrical shock or fire.)
- Be sure to use a dedicated power circuit. (Never use the power supply shared by another appliance.)
- For wiring, use a cable long enough for the entire distance, and do not use an extension cord.
- Do not put other loads on the power supply, and please use a dedicated power circuit.
- Use the specified types of wires for electrical connections between the indoor and outdoor units. (Firmly clamp the interconnecting wires so that the terminals receive no external stress.)
- · Incomplete connections or clamping may cause terminal overheating or fire.
- After establishing connection between all the wires, fix the cables to prevent undue force on the electrical covers or panels. (Install covers over the wires, incomplete cover installation may cause terminal overheating, electrical shock or fire.)
- There is 100PSIG high pressure nitrogen in the evaporator, please release it first before installation. It proves the evaporator to be in good state if there is nitrogen out, otherwise, it indicates the evaporator leaks.
- When installing or relocating the system, be sure to keep the refrigerant circuit free from air (Air in the refrigerant circuit may cause an abnormal pressure rise or rupture, resulting in injury.)
- · If any refrigerant leakage occurs during the installation work, ventilate the room.
- After all installations are completed, make sure that no refrigerant leaks. (The refrigerant produces, toxic gas if exposed to flames.)
- When carrying out piping connection, do not let air substances other than the specified refrigerant get into
 refrigeration cycle. (Otherwise, it will cause decreased performance, abnormal high pressure in the refrigeration
 cycle, explosion and injury.)
- Make sure that the installation has a proper earth connection. Do not ground the unit to a utility pipe, arrester, or telephone grounding. Incomplete grounding may cause electrical shock. (A high surge current from lightning or other sources may cause damage to the air conditioner.)
- An earth leakage circuit breaker may be required depending on the site condition to prevent electrical shock.
- Disconnect the power supply before wiring, piping, or checking the unit.

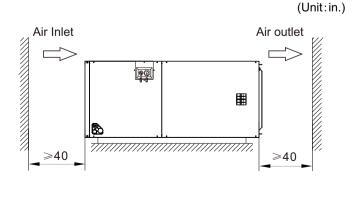
2. Installation of the Indoor Unit

2.1 Initial Check

A CAUTION

- When moving the unit after unpacking, make sure not to exert any pressure on other parts, especially the refrigerant piping, drain piping and flange parts.
- · Wear protective gears when installing the unit.





Clearance in the Horizontal Position

Installation and Maintenance

2.2 Installation Location

Before choosing the installation site, obtain the user's approval.

- · Optimum air distribution is ensured.
- The air path is not blocked.
- · Condensation can drain properly.
- Ensure sufficient clearance for maintenance and servicing.
- Piping between the indoor and outdoor units should be within the allowable limits. (Refer to the installation of the outdoor unit)
- The indoor unit, outdoor unit, power supply wiring and transmission wiring should be kept at least 1 meter away from televisions and radio, which prevents image interference and noise in those electrical appliances.

(Noise may be generated depending on the conditions under which the electric wave is generated, even if a one-meter distance is maintained.)

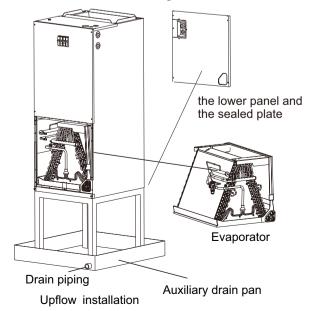
- Do not install the indoor unit in a machinery shop or kitchen where vapor from oil or its mist flows to the indoor unit. The oil will deposit on the heat exchanger, thereby reducing the performance of the indoor unit, and may deform and in the worst case, break the plastic parts of the indoor unit.
- When the unit is installed in a hot and humid place, it is recommended to insulate the cabinet exterior and to use auxiliary drain pans.
- If installed above a finished living space, a auxiliary drain pan(as required by many building codes),must be installed under the entire unit and its condensate drain line must be routed to a location such that the user will see the condensate discharge.

2.3 Installation

NOTE:

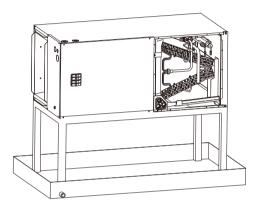
These appliances are designed for indoor installation only.

The indoor units can be installed in one of the upflow, horizontal left or horizontal right orientations as shown in Figures below.



Drain piping Auxiliary drain pan

Horizontal right installation



Horizontal left installation

Minor field modifications are necessary to convert to horizontal left.

Up-flow installation method is selected by default. When the unit is horizontal right mounted, rotate it to the right for 90 degrees, as shown in image horizontal right installation.

When the unit is horizontal **left** mounted, the following steps are required.

- 1). Disassemble the lower panel and the sealed plate;
- 2). Disassemble the retaining clips for the evaporator so that the evaporator can be pulled out along the lead rail easily:
- 3). Rotate the evaporator for 180 degrees and insert it into the upper side of the lead rail;
- 4). Rotate the unit to the left for 90 degrees, as shown in image horizontal left installation;
- 5). Reinstall the sealed plate and the lower panel.

2.4 Air duct

Field duct work must comply with the National Fire Protection Association NFPA 90NFPA 90B and any applicable local ordinance.

A WARNING

Do not, under any circumstances, connect return duct work to any other heat producing device such as fireplace insert, stove, etc. Unauthorized use of such devices may result in fire, carbon monoxide poisoning, explosion, personal injury or property damage.

Installation and Maintenance

Sheet metal duct work run in unconditioned spaces must be insulated and covered with a vapor barrier. Fibrous duct work may be used if constructed and installed in accordance with SMACNA Construction Standard on Fibrous Glass Ducts. Duct work must comply with National Fire Protection Association as tested by U/L Standard181 for Class I Air Ducts. Check local codes for requirements on duct work and insulation.

Duct system must be designed within the range of external static pressure the unit is designed to operate. Teflon tape and install by hand tightening. against. It is important that the system airflow be adequate. Make sure supply and return duct work, grills, special filters, accessories, etc, are accounted for in total resistance.

3. Refrigerant Pipe

♠ DANGER

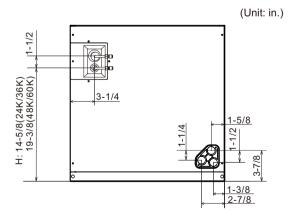
Use the refrigerant according to outdoor nameplate. When carrying out the leakage check and test, do not mix in the oxygen, the acetylene and the flammable and the reactive gas, because these gases may result in explosion. It is suggested to use nitrogen to perform these experiments.

3.1 Pipe Material

- (1) Prepare the copper pipe on the spot.
- (2) Choose dustless, non-humid, clean copper pipe. Before installing the pipe, use nitrogen or dry air to blow away the dust and impurity on the pipe.
- (3) Choose the copper pipe according to outdoor manual.

3.2 Piping Connection

(1) The connection positions of the pipe are shown below.



Connection positions of the pipe

Refer to the outdoor unit Installation Instructions for details on piping size selection, piping installation, and charging information.

Coil is shipped filled with Nitrogen. Evacuate the system before charging with refrigerant. Install refrigerant lines so that it does not block service access to the front of the unit.

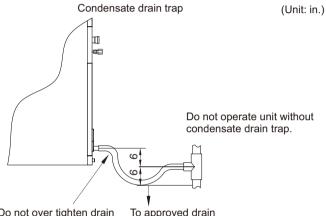
Nitrogen should flow through the refrigerant lines while brazing.

Use a wet rag or an approved heat paste to protect the TXV sensing bulb during the brazing process.

4. Drain Piping

The indoor units has field supplied primary and secondary 3/4-in. NPT drain connections. When making drain fitting connections to the drain pan, use a thin layer of Teflon paste, Silicone or When making drain fitting connections to drain pan, do not over-tighten.

All horizontal drain pipes must be pitched downward away from the unit a minimum of 1/8" per foot to provide free drainage.



Do not over tighten drain To approved drain fitting. Unit must be slightly pitched toward drain connection

Do not connect the drain pipes directly to sewage pipes to avoid ammonia odour. The ammonia in the sewage might enter the indoor unit through the drain pipes and corrode the heat exchanger. Do not twist or bend the drain hose, because excessive force is applied during twisting or bending and may also cause leakage. The drain line should be insulated where necessary to prevent sweating and damage due to condensate forming on the outside surface of the pipe. Test condensate drain pan and drain pipe after installation is complete. Keep the case horizontal (horizontal left or horizontal right) to ensure a smooth drainage, or incline the case 0.5° to the drainage hole, making it the lowest point for draining. Pour water into drain pan, enough to fill drain trap and line. Check to make sure drain pan is draining completely, no leaks are found in drain pipe fittings, and water is draining from the termination of the primary drain pipe.

NOTES:

If unit is located in or above a living space where damage may result from condensate overflow, a field-supplied, external condensate pan should be installed underneath the entire unit, and a secondary condensate line (with appropriate trap) should be run from the unit into the pan. Any condensate in this external condensate pan should be drained to a noticeable place. The owner of the structure must be informed that when condensate flows from the secondary drain or external condensate pan, the unit requires servicing or water damage will occur. Install traps in the condensate lines as close to the coil as possible.

5. Electrical Wiring

5.1 Electrical Installation



- Before proceeding with electrical connections, make certain that power supply are as specified on the unit rating
 plate. See unit wiring label for proper field high and low-voltage wiring. Make all electrical connections in
 accordance with the NEC and any local codes or ordinances that may apply. Refer to the NEC(USA) or CSA
 (Canada) for wire sizing. Use copper wire only.
- Every installation must include an NEC(USA) or CSA (Canada) approved over-current protection device.

A WARNING

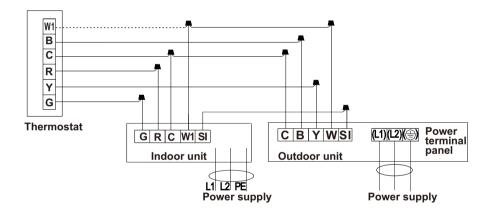
Disconnect all power before servicing or installing this unit.

To avoid the electrical shock, please ensure the air conditioner is proper grounded.

All routing of electrical wiring must be made through provided electrical knockouts. Do not cut, puncture or alter the cabinet for electrical wiring.

Knockouts are provide on the indoor unit top panel and sides of the cabinet to allow for the entry of the supply voltage conductors. If the knockouts on the cabinet sides are used for electrical conduit, an adapter ring must be used in order to meet UL 1995 safety requirements. An MEC or CEC approved strain relief is to be used at this entry point. Some codes/municipalities require the supply wire to be enclosed in conduit. Consult your local codes.

Wiring diagram



NOTE:

- (1) Do not connect dashed line when electric heater is not used.
- (2) Wiring must be performed according to wiring diagram that pasted on indoor unit.
- (3) The SI wire between the indoor and outdoor units is not indispensable, especially when the outdoor unit is connected to an indoor unit of a different brand. It is more energy-saving when the outdoor unit is connected to an indoor unit of the same brand by SI wire. However, it still can run without it.
- (4) Since the thermostat is locally provided, the terminal block in the diagram may differ from the actual one. The letter Y is the same as Y1.

Electrical data

Model (Capacity)	Power Supply		ELB Nominal Sensitive Current (mA)	Source	Transmitting Cable Size	Thermostat Signal Size	Fuse or Circuit Breaker (A)
36K	208/230V ~/60Hz	15	30	3×16AWG	5×16AWG	5×18AWG/ 6×18AWG	15

Max. Running Current (A): REFER TO NAMEPLATE

Installation and Maintenance

NOTE:

- (1) Follow local codes and regulations when select field wires, and all the above are the minimum wire size.
- (2) When transmitting cable length is longer than 262ft. (80m), a larger wire size should be selected.
- (3) Install main switch and ELB for each system separately. Select the high response type ELB that is acted within 0.1 second.
- (4) If auxiliary heater is required and already installed on indoor unit, power source cable should be installed separately and the size should be selected in accordance with UL.

5.2 Change of Static Pressure

The static pressure can be selected by changing Dip Switches on electric board.

Static Pressure Setting:

Dip Switch S2 Setting	Blower Speed Tap	Fan Speed Select	Static Pressure (W.C.[kPa]) 24K	Static Pressure (W.C.[kPa]) 36K	Static Pressure (W.C.[kPa]) 48K/60K
OFF 1 2 3 4	2	Medium Low (Default setting)	0.18[0.045]	0.24[0.057]	0.28[0.07]
ON OFF 1 2 3 4	3	Medium	0.25[0.08]	0.4[0.1]	0.4[0.1]
ON 0FF 1 2 3 4	4	Medium High	0.58[0.145]	0.58[0.145]	0.58[0.145]
ON 0FF 1 2 3 4	5	High	0.8[0.2]	0.8[0.2]	0.8[0.2]

NOTE: Symbol " ■ " indicates the position of the dip switch. Symbol " N " indicates any position of ON or OFF.

6. Test Run

Please perform test run according to installation manual of outdoor unit.

7. TXV Replacement Information

Please follow the steps below when replace TXV:

- (1). Disassemble the front panel.
- (2). Take the thermal bulb down by undoing the copper strips around it.
- (3). Weld the pressure pipe off from the gas pipe with a welding gun. Be careful not to burn the gas pipe.
- (4). Weld the TXV off from the liquid pipe with a welding gun. Be careful not to burn the liquid pipe.
- (5). Wrap the new TXV with a piece of wet cloth to prevent it from being too hot and connect the nitrogen flow to liquid pipe to prevent it from being oxidized. Weld the TXV to the liquid pipe, and pay attention to the direction of the TXV, then weld the pressure pipe to the gas pipe.
- (6). When the pipe gets cool after the welding, connect it with 150PSI nitrogen equipment and examine if leakage occurs.
- (7). Fix the thermal bulb to the gas pipe with copper strips and perform insulation works.
- (8). Vacuumize the unit, start up the system and the unit will start cooling operation.
- (9). When the unit has operated for 20 minutes, adjust the TXV superheat to 6°F.
- (10). When the unit has operated for another 20 minutes, examine whether the superheat is appropriate and record the figures then.

8 Electric Heat Kit Selection Table

Electric Heat Kit	Air Handler	Electric Heat	MIN. Circuit Ampacity		MAX. Fuse or Breaker (HACR) Ampacity		Fan Speed Tap			
Model	Model	(kW)	230VAC	208VAC	230VAC	208VAC	2	3 4	5	
21-4245-01	36K	5	29.8	27.4	30	30	•	•	•	•
21-4245-02		7.5	42.2	38.7	45	40	X	•	•	•
21-4245-03		10	54.7	49.9	60	50	X	X	•	•
21-4245-04		15	42.2+36.9	38.6+33.8	45+40	40+35	X	X	X	•

: availablex: unavailable

NOTE:

Heat kit is an optional part, and it must be connected to the power supply separately.

It is recommended that electric heater kit should be installed in low temperature area or when long piping is used. Check if heat kit suitable for AHU 3-way position installation.

Ampacities for MCA and Fuse/breaker including the blower motor.

Heat pump systems require a specified airflow. Each ton of cooling requires between 350 and 450 cubic feet of air per minute(CFM).

Limited Warranty provided by Comfortside, LLC. (hereby referred to as Comfortside) applies only to registered products installed by a licensed HVAC technician and covers specified products and parts, subject to the following details:

Product Registration: Products must be registered for Limited Warranty within 60 days of installation by licensed HVAC technician. Products can be registered at <a href="https://oiline.com/oiline.

Warranty Coverage: The warranty covers the parts of the products which may be defective due to the quality of the materials or workmanship, under normal use and proper maintenance. Warranty is provided only to the first original owner of the Product, where it is originally installed, and is not transferable to the subsequent owners.

Warranty Exclusions: Comfortside is not responsible for any warranty claim:

- 1. For equipment installed outside of North America.
- 2. For equipment not installed according to manufacturer's guidelines.
- 3. For equipment which has been removed from the original site of installation and reinstalled at another location.
- 4. If registration information cannot be verified (i.e., invalid license number or wrong information provided).
- 5. Regarding damages or repairs arising as a result of a faulty installation, inappropriate application, or improper use.
- Regarding damages or repairs arising from any external perils, out of Comfortside's control, acts of nature such as fires, storms, accidents, floods, broken or frozen water pipes, electrical surges, input power with under or overvoltage, lightning, or existence of corrosive substances nearby.
- Regarding damages or repairs arising from use of non-compatible parts, third-party components, alterations, modifications, or improper applications.
- 8. Regarding improper service or poor maintenance of the equipment, such as cleaning of all air filters, heat exchangers, fans, and blowers, in addition to any necessary lubrication of internal components and maintenance of external accessories.
- Regarding changes that can be considered cosmetic, including but not limited to small fin damages, scratches on the unit cover, etc.
- 10. Regarding resetting of power or the circuit breakers and replacement of other types of fuses, both internal and external.
- 11. Regarding any damage caused using dirty, recycled, or wrong type of refrigerants and lubricants.
- 12. Regarding damage due to moisture, air, dust, sand, dirt, etc., that have been allowed into the system.
- 13. Regarding damage caused by continuing use of the product after a malfunction has been noticed or indicated at the display module, through an error code.
- Regarding damages or performance issues due to improper matching, product selection, under-sizing, over-sizing, improper installation, or misuse.
- 15. Regarding loss or replacement of refrigerant, lubricant, or oil.
- 16. Regarding labor or any costs associated with labor.

Warranty Begin Date: Warranty begins on the date of registration.

Warranty End Date: Products that have not been registered as instructed above are not covered under Warranty. The length of your Warranty depends on the specific model unit you have purchased. Information on Warranty length is available online, by visiting olmo-com/ort.com. As further explained below in detail, coverage is only for the original registered user who owns and resides in the dwelling or operates business in the property in which the product is installed.

Remaining Warranty: Any part, component or product that is replaced under the terms of the Warranty, will be covered under the same Warranty for the duration in which the original Warranty for the product is applicable.

Warranty Procedure: Comfortside will furnish a new or refurbished part, without any charge for the part itself, for the replacement of any part that has been determined to have failed, by Comfortside at its sole discretion, due to defects in its materials or workmanship under standard use and proper maintenance. The payment of the shipping costs for the part will be the sole responsibility of the owner of the product. Comfortside reserves the right to ask the owner of the product to return the failed part before or after a replacement part is sent out. The product owner or technician should contact Comfortside Technical Support at (786) 953-6706, Monday to Friday from 9AM to 5PM Eastern Time, while the technician is on site, servicing the unit. The product may or may not display error codes. The technician should be on site while troubleshooting with the Comfortside Technical Support Agent so he or she can address symptoms observed, specific electrical and mechanical measurements, and other detailed information that may be required for proper diagnosis.

While technicians may refer to Comfortside's website or YouTube channel for helpful information, such as manuals and videos based on certain error codes, the technician will need to troubleshoot with the Technical Support Agent for Warranty purposes. Comfortside is not able to remotely diagnose a product and or offer remedies, without proper diagnosis results.

When contacting Technical Support, a licensed technician must be onsite, and the following information needs to be provided:

- The Serial Number of the unit.
- \circ $\,$ $\,$ The product purchase invoice and an installation invoice from licensed HVAC technician.
- Case number (if applicable) provided during previous Technical Support call(s).
- Comfortside may ask for photos and/or other diagnostic information it deems necessary prior to processing the Warranty claim.

It should be noted that Comfortside Technical Support Agents troubleshoot on a case-by-case basis, following best practices and procedures to diagnose problems and solutions. Through this process, it is most efficient to diagnose one issue or error code at a time. It is possible that the first suggested solution may or may not solve one problem of multiple failures, in which case the Technician will continue through troubleshooting for remaining issues/error codes.

Labor cost, materials, and other costs: Any labor costs and/or the costs for the supplies or materials used or purchased in the field for the replacement of the defective part, remain the responsibility of the owner. No other costs involved in diagnosis, lodging, transportation, servicing, repair, replacement, installation, removal, shipping, etc., are to be covered under the Warranty.

Refrigerant: Any costs related to charging, recharging, adjustment, or removal of refrigerant, and the cost of the refrigerant itself, are not covered under any circumstances. All products go through vigorous quality controls at various stations and leave the factory in perfect working and sealed condition. Products are individually tested in highly sensitive helium vacuum chambers for existence of refrigerant

leaks Comfortside does not cover any claims related to the lack of refrigerant in new products, discovered upon arrival, or during installation, as well as subsequent refrigerant loss occurring at any time afterward.

This Warranty is not transferable. No person or entity is authorized to change the terms and conditions outlined in this Warranty agreement, in any respect, nor to create any additional obligations or liabilities for any party involved.

This warranty agreement supersedes all prior warranty agreements between the parties and constitutes the complete, final, and exclusive understanding of the parties with respect to the subject matter. All prior negotiations, representations, or promises, whether oral or written, of either party shall be deemed to have been merged herein.

If any part of this Warranty Agreement shall be invalidated for any reason, such part shall be deleted, and the remainder shall be unaffected and shall continue in full force and effect. This Warranty provides you certain legal rights and you may also have other rights, which vary from State to State. Therefore, some of these limitations or exclusions may not apply to you.

States with Express and Implied Warranties: Products in states with Express and Implied Warranties do not need to be registered for Comfortside Warranty. However, for Warranty support, installation invoice should be provided.

Pursuing legal remedies:

ARBITRATION CLAUSE. IMPORTANT. PLEASE REVIEW THIS ARBITRATION CLAUSE, AS IT AFFECTS YOUR LEGAL RIGHTS.

- 1. This arbitration clause affects your rights against Comfortside and any of its employees, agents, affiliates, successors, or assignees, all of whom together are referred to below as "we" or "us" for the simplicity of reference.
- 2. ARBITRATION REQUIREMENT: EXCEPT AS STATED BELOW, ANY DISBUTE BETWEEN YOU AND ANY OF US SHALL BE DECIDED BY NEUTRAL AND BINDING ARBITRATION, RATHER THAN ANY COURT OR BY TRIAL BY JURY. ARBITRATION WILL BE HANDLED ONLY ON AN INDIVIDUAL BASIS AND ALL PARTIES EXPRESSLY WAIVE; ANY RIGHTS TO PARTICIPATE AS A CLASS REPRESENTATIVE OR CLASS MEMBER, ANY RIGHTS TO CLASS ARBIRATION OR ANY CONSOLIDATION OF INDIVIDUAL ARBITRATIONS. THE ARBITRATOR WILL BE A MEMBER OF THE AMERICAN ARBITRATION ORGANIZATION. The meaning of "Dispute" has the broadest possible meaning allowable by law, including any controversy, claim or other dispute, relating to or arising from the purchase of the product, any of the warranties upon the product, or the condition of the product, as well as the determination of the application or the scope of the Arbitration Clause itself. Rights to appeal and discovery are also limited in arbitration based on the rules of the arbitration organizations.
- 3. **Governing Law:** Effect and procedures of arbitration will be governed by the Federal Arbitration Act (9 U.S.C. § et seq.) rather than any related state law. In case of any substantive warranty, your claims and rights under such substantive warranty will be governed by the applicable law of the state in which Product was purchased.
- 4. **Location of the Arbitration:** Unless otherwise provided under the applicable law, arbitration hearing will be conducted in the judicial district in Miami-Dade County, Florida.
- Costs of the Arbitration: Unless otherwise provided under the applicable law, each party will be responsible for its own cost, payable to the arbitration organization, and the costs of their attorneys, experts or other fees.
- Survival and Enforceability of the Arbitration Clause: This arbitration clause will survive the expiration or termination of
 this warranty agreement, indefinitely.

