



## Harmony Ductless Single Zone Heat Pump

**OTP-H-R32 Series**

# Why choose a Ductless Wall-Mounted Heat Pump?

Ductless wall-mounted heat pumps, commonly known as “mini split” heat pumps, do not need air ducts like central systems. The outdoor unit (condenser) and the indoor unit (evaporator) are connected by refrigerant piping and electrical wires that pass through a small 3” opening in the wall.

## Single zone

A single zone system consists of an outdoor unit connected to an indoor unit. This system is ideal for providing heating and air conditioning to a predefined area, such as an openconcept kitchen/ living room or a family room in the basement.

## Indoor Unit

- Plastic housing, standard white.
- A2L leak detection sensor, included.
- Easy to dismantle for maintenance.
- Washable filters.

## Outdoor Unit

- Variable speed rotary compressor (INVERTER), with overload protection.
- Compressor blanket and preheating technology.
- Quiet axial-flow fan.
- Condenser fins covered with a hydrophilic coating for improved corrosion resistance.

### Performance up to



Cooling

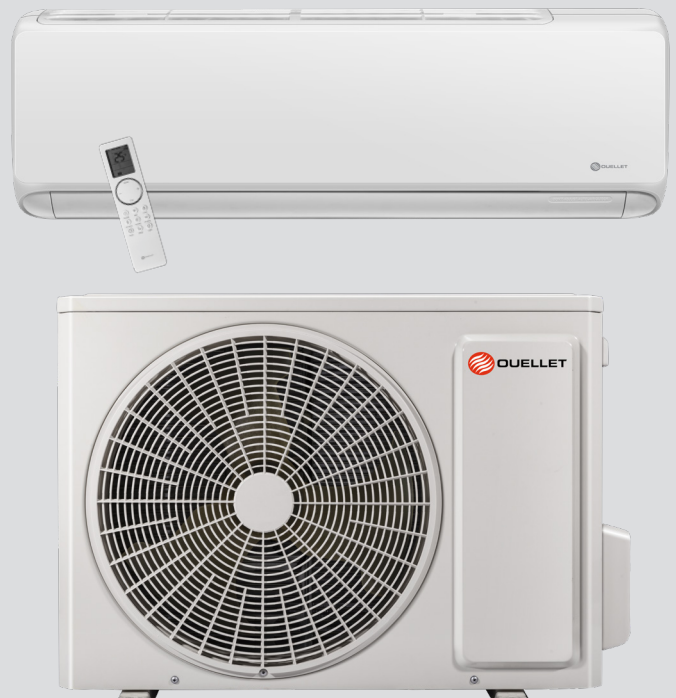


Heating

### Up to

**20.5 SEER2**  
IN COOLING

**9 HSPF2**  
IN HEATING



## Features and functions



### Smart Pan Heater

Prevents ice formation in the base pan of the outdoor unit.



### Anti-Corrosion Fin Coating

Condenser and evaporator fins are covered with a hydrophilic coating for greater corrosion resistance – a clear advantage for people living in coastal regions.



### Quiet Design

The innovative axial fan design and the strengthened motor bracket minimize vibrations and outside noise levels. The integrated rear base and evaporator make our indoor units some of the quietest on the market.



### Smart Defrosting

Provides greater comfort and energy savings by eliminating unnecessary defrost cycles.



### Smart Preheating

The system delays turning on the fan in heating mode to avoid blowing cold air out at startup.



### Auto Restart

In case of power failure, user selection and system parameters are stored in non-volatile memory. The system will automatically return to the last operating mode when power resumes.



### Auto-Clean

After the heat pump turns off, the fan continues to operate until the indoor unit is completely dry to prevent mold growth.



### A2L Safety Sensor

A2L leak detection sensor, included.



### Self-Diagnosis

A microcomputer monitors the system and turns the unit off if abnormal operation is encountered. An error code will be displayed on the indoor unit to facilitate maintenance.



### Sleep Mode

This function can be used to gradually increase or decrease room temperature, so you can save energy without affecting your sleep.



### Turbo Mode

The unit operates at super high speed to achieve quick cooling or heating.



### Up & Down Swing

Can be used to select oscillating angles for the horizontal louvres. Choose a fixed positions or use the auto swing mode to swing the louvres up and down in all positions.



### Timer

Allows you to program the time you want the unit to start and stop over a 24-hour period.



### I Feel

This function allows you to use the remote controls an ambient sensor.



### Lock

This function disables unwanted temperature adjustments and the use of different modes on the device.



### Wi-Fi

Use your phone, tablet or computer to control your unit, wherever you are (Internet connection required).



10-year basic warranty  
parts and compressor

## Models

| Product #1                          | Indoor Unit  |                 | OCHX-H09A-I                  | OCHX-H12A-I                  | OCHX-H18A-I                   | OCHX-H24A-I                   | OCHX-H30A-I                    | OCHX-H36A-I                     |
|-------------------------------------|--------------|-----------------|------------------------------|------------------------------|-------------------------------|-------------------------------|--------------------------------|---------------------------------|
|                                     | Outdoor Unit |                 | OCHX-H09A-O                  | OCHX-H12A-O                  | OCHX-H18A-O                   | OCHX-H24A-O                   | OCHX-H30A-O                    | OCHX-H36A-O                     |
| Technical Performance               |              |                 |                              |                              |                               |                               |                                |                                 |
| Refrigerant type                    |              |                 | R32                          | R32                          | R32                           | R32                           | R32                            | R32                             |
| Voltage                             |              | Volts           | 230/208                      | 230/208                      | 230/208                       | 230/208                       | 230/208                        | 230/208                         |
| Cooling capacity                    | Nominal      | W<br>(BTU/hr)   | 2667 (9100)                  | 3517 (12000)                 | 5275 (18000)                  | 6450 (22000)                  | 7795 (30000)                   | 9847 (33600)                    |
|                                     | Min. – max.  | W<br>(BTU/hr)   | 700 - 3018<br>(2388 - 10300) | 900 - 3700<br>(3070 - 13307) | 1100 - 5950<br>(3753 - 20300) | 1700 - 7700<br>(5800 - 26270) | 879 - 10550<br>(3000 - 36000)  | 2300 - 10990<br>(7850 - 37500)  |
| Heating capacity                    | Nominal      | W<br>(BTU/hr)   | 2931 (10000)                 | 3517 (12000)                 | 5598 (19100)                  | 7040 (24000)                  | 7795 (30000)                   | 9964 (34000)                    |
|                                     | Min. – max.  | W<br>(BTU/hr)   | 655 - 3850<br>(2200 - 13136) | 900 - 4278<br>(3070 - 14600) | 800 - 6600<br>(2730 - 22519)  | 1582 - 7795<br>(5400 - 26600) | 1700 - 10404<br>(5800 - 35500) | 2930 - 10990<br>(10000 - 37500) |
| Used cooling power input            | Nominal      | W               | 729                          | 1231                         | 1500                          | 2010                          | 2750                           | 3169                            |
|                                     | Min. – max.  | W               | 180 - 1050                   | 180 - 1550                   | 200 - 2300                    | 500 - 2400                    | 250 - 4000                     | 700 - 4000                      |
| Used heating power input            | Nominal      | W               | 771                          | 1004                         | 1435                          | 1950                          | 2750                           | 3267                            |
|                                     | Min. – max.  | W               | 180 - 1300                   | 180 - 1650                   | 260 - 2300                    | 400 - 2600                    | 330 - 4000                     | 650 - 4000                      |
| Used rated input                    |              | W               | 1300                         | 1650                         | 2300                          | 2600                          | 4000                           | 4000                            |
| Rated current                       |              | A               | 7                            | 7.47                         | 9.5                           | 12                            | 20                             | 20                              |
| MCA                                 |              | A               | 10                           | 12                           | 13                            | 15                            | 27                             | 24                              |
| Max. over-current protection (MOCP) |              | A               | 15                           | 15                           | 15                            | 20                            | 30                             | 35                              |
| SEER2                               |              | -               | 20.5                         | 19                           | 20                            | 19                            | 22                             | 21                              |
| HSPF2                               |              | -               | 8.8                          | 8.5                          | 8.5                           | 8.5                           | 9                              | 8.5                             |
| EER2                                |              | W/W             | 12.5                         | 9.75                         | 12.35                         | 11.9                          | 10.9                           | 10.6                            |
| COP                                 |              | W/W             | 3.8                          | 3.5                          | 3.9                           | 3.6                           | 3.2                            | 3.05                            |
| AHRI number                         |              | -               | 216472860                    | 216472861                    | 216472862                     | 216472863                     | 216472864                      | 216472865                       |
| Energy Star                         |              | -               | -                            | -                            | -                             | -                             | -                              | -                               |
| Indoor Unit                         |              |                 |                              |                              |                               |                               |                                |                                 |
| Dehumidification                    |              | pt/hr (l/hr)    | 1.69 (0.8)                   | 2.96 (1.4)                   | 3.8 (1.8)                     | 5.28 (2.5)                    | 7 (3.5)                        | 7 (3.5)                         |
| Air flow volume                     |              | cfm             | 270 - 600                    | 310 - 720                    | 480 - 1050                    | 700 - 1150                    | 750 - 1350                     | 750 - 1350                      |
| Sound level                         |              | dB (A)          | 24 - 41                      | 27 - 47                      | 34 - 53                       | 36 - 51                       | 36 - 52                        | 36 - 52                         |
| Fan motor power output              |              | W               | 20                           | 55                           | 50                            | 50                            | 110                            | 60                              |
| Fan motor RLA                       |              | A               | 0.4                          | 0.7                          | 0.7                           | 0.6                           | 0.8                            | 0.7                             |
| Net weight                          |              | lb (kg)         | 19.8 (9)                     | 19.8 (9)                     | 28.7 (13)                     | 33 (15)                       | 34 (15.5)                      | 34 (15.5)                       |
| Outdoor Unit                        |              |                 |                              |                              |                               |                               |                                |                                 |
| Air flow volume                     |              | m³/hr           | 1950                         | 1950                         | 2520                          | 3200                          | 4500                           | 4500                            |
| Sound level                         |              | dB (A)          | 51                           | 52                           | 57                            | 58                            | 62                             | 62                              |
| Compressor power input              |              | W               | 630                          | 857                          | 953                           | 1330                          | 1775                           | 2294                            |
| Compressor LRA                      |              | A               | 20                           | 20                           | 20                            | 35                            | 38                             | 40                              |
| Compressor RLA                      |              | A               | 6.5                          | 8                            | 8.5                           | 10                            | 18.5                           | 16                              |
| Fan motor power output              |              | W               | 30                           | 30                           | 30                            | 50                            | 90                             | 90                              |
| Fan motor RLA                       |              | A               | 0.65                         | 0.8                          | 0.8                           | 1                             | 1.7                            | 1.7                             |
| Refrigerant volume (R32)            |              | oz (g)          | 18.7 (530)                   | 17.6 (500)                   | 32.44 (920)                   | 42.33 (1200)                  | 56.44 (1600)                   | 56.44 (1600)                    |
| Net weight                          |              | lb (kg)         | 52.8 (24)                    | 56.22 (25.5)                 | 70.7 (32)                     | 93.5 (42.5)                   | 116.6 (53)                     | 122.1 (55.5)                    |
| Operating ambient temperature       | Cooling      | °C (°F)         | -18 to 46 (0 to 115)         |                              |                               |                               |                                |                                 |
|                                     | Heating      | °C (°F)         | -25 to 24 (-13 to 75)        |                              |                               |                               |                                |                                 |
| Connection Piping/Refrigerant       |              |                 |                              |                              |                               |                               |                                |                                 |
| Pre-charge length                   |              | ft. (m)         | 25 (7.5)                     | 25 (7.5)                     | 25 (7.5)                      | 25 (7.5)                      | 25 (7.5)                       | 25 (7.5)                        |
| Additional refrigerant charge       |              | oz/ft.<br>(g/m) | 0.2 (16)                     | 0.2 (16)                     | 0.2 (16)                      | 0.13 (12)                     | 0.43 (40)                      | 0.43 (40)                       |
| Liquid pipe outer diameter          |              | in.             | 1/4                          | 1/4                          | 1/4                           | 1/4                           | 1/4                            | 1/4                             |
| Gas pipe outer diameter             |              | in.             | 3/8                          | 3/8                          | 1/2                           | 1/2                           | 5/8                            | 5/8                             |
| Maximum height difference           |              | ft. (m)         | 39 (12)                      | 39 (12)                      | 82 (25)                       | 82 (25)                       | 82 (25)                        | 82 (25)                         |
| Maximum total length                |              | ft. (m)         | 66 (20)                      | 66 (20)                      | 82 (25)                       | 131 (40)                      | 131 (40)                       | 131 (40)                        |

<sup>1</sup> 1 indoor unit and 1 outdoor unit. Note that each unit is individually packaged.

# Harmony

## OTP-H-R32 Series

— THE BRAND —  
of professionals

ouellet.com

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Authorized Retailer