

OTP-C Champagne Ductless Single Zone Heat Pump



Indoor Unit



Outdoor Unit



Performance up to



Cooling



Heating

Up to

23 SEER
IN COOLING

10.5 HSPF
IN HEATING



(except OCD30 & OCD36)

Features

Operation mode

- Cooling, heating, dehumidifying, fan and auto.

Nominal capacity

- 9000, 12000, 15000, 18000, 24000, 30000, 36000 BTU/hr.

Voltage

- 230/208V, 60 Hz, 1-phase.

Indoor unit

- High wall installation, dual side connection.
- Plastic housing, standard white.
- 4-speed cross-flow fan (turbo, high, medium and low).
- Washable filters.

Outdoor unit

- Variable speed rotary compressor (INVERTER), with overload protection.
- Electronic expansion valve for precise control of refrigerant flow.
- Condenser fins covered with a hydrophilic coating for improved corrosion resistance.
- Large diameter quiet axial-flow fan for more efficient heat exchange.
- Smart pan heater to prevent ice formation.
- Compressor blanket and preheating technology.
- Installation on aluminum wall bracket or ground stand (optional).

Connection piping

- Minimum piping length of 10 ft. (3 m).
- Flared connections.

Control

- Wireless remote included.
- Wired wall controller available.
- Wi-Fi capability (option KIT-WIFI required).
- Interface (options HP6000ZB-GE and GT130 required).
- Set temperature: 16 to 30 °C (61 to 86 °F).
- Temperature display format: °C or °F.

Warranty

- 10-year basic warranty on parts and 10-year basic warranty on the compressor (labor not included).
- Labour warranty (sold separately) from the 1st to 10th year, on parts and labour with system replacement if the compressor fails.

Application

- Dining room-kitchen, living room, family room, commercial building, office building, condo, restaurant.

Includes



Smart Pan Heater



Crankcase Heater



Fin Coating



Quiet Design



Smart Defrosting



Smart Preheating



Auto Restart



Auto-Clean



Self-Diagnosis



Turbo Mode



Up & Down Swing



Timer



I Feel



Lock



Wireless Remote

Optional



Wall Controller



Wi-Fi

OTP-C Models

| Product # ¹ | Indoor Unit Outdoor Unit | OCD09KCH23S-I OCD09KCH23S-O | OCD12KCH22S-I OCD12KCH22S-O | OCD15KCH20S-I OCD15KCH20S-O | OCD18KCH20S-I OCD18KCH20S-O | OCD24KCH20S-I OCD24KCH20S-O | OCD30KCH18S-I OCD30KCH18S-O | OCD36KCH18S-I OCD36KCH18S-O | |
|--|-----------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|---------------------------------|
| Technical Performance | | | | | | | | | |
| Voltage | | Volts | 230/208 | 230/208 | 230/208 | 230/208 | 230/208 | 230/208 | |
| Cooling capacity | Nominal | W (BTU/hr) | 2638 (9000) | 3517 (12000) | 4400 (15000) | 5275 (18000) | 6448 (22000) | 8200 (28000) | 9850 (33600) |
| | Min. – max. | W (BTU/hr) | 909 - 2813 (3100 - 9600) | 909 - 3810 (3100 - 13000) | 2000 - 5860 (6800 - 20000) | 1993 - 5861 (6800 - 20000) | 2000 - 8000 (6824 - 27296) | 2780 - 8800 (9485 - 30026) | 2170 - 10550 (7404 - 35997) |
| Heating capacity | Nominal | W (BTU/hr) | 3224 (11000) | 3810 (13000) | 4700 (16000) | 5803 (19800) | 6741 (23000) | 8320 (28400) | 10140 (34600) |
| | Min. – max. | W (BTU/hr) | 560 - 3517 (1911 - 12000) | 703 - 4103 (2400 - 14000) | 2150 - 6890 (7340 - 23500) | 2151 - 6887 (7340 - 23500) | 2000 - 9000 (6824 - 30708) | 2930 - 9670 (9997 - 32994) | 4390 - 10550 (14979 - 35997) |
| Used cooling power input | Nominal | W | 630 | 960 | 1189 | 1435 | 1760 | 4100 | |
| | Min. – max. | W | 160 - 1300 | 200 - 1350 | 750 - 2150 | 450 - 2150 | 450 - 3000 | 600 - 3900 | 450 - 4300 |
| Used heating power input | Nominal | W | 1020 | 1100 | 1382 | 1730 | 2000 | 3800 | |
| | Min. – max. | W | 160-1350 | 400 - 1400 | 580 - 2600 | 580 - 2600 | 450 - 3000 | 650 - 4000 | 560 - 4300 |
| Used rated input | | W | 1350 | 1400 | 3000 | 3000 | 3000 | 4300 | |
| Rated current | | A | 6 | 6.3 | 12.56 | 12.56 | 14.5 | 20 | |
| MCA | | A | 9 | 9 | 16 | 16 | 20 | 24 | |
| Max. over-current protection (MOCP) | | A | 15 | 15 | 25 | 25 | 30 | 40 | |
| SEER | | - | 23 | 22 | 20 | 20 | 18 | 18 | |
| HSPF | | - | 10.5 | 11 | 11 | 10 | 9 | 9 | |
| EER | | W/W | 4.19 | 3.66 | 3.7 | 3.68 | 3.66 | 3.04 | 2.4 |
| COP | | W/W | 3.16 | 3.46 | 3.4 | 3.35 | 3.37 | 2.97 | 2.67 |
| AHRI number | | - | 201863350 | 201863351 | - | 201863352 | 201863353 | 202110509 | 202110510 |
| ENERGY STAR | | - | | | | | | | |

| Indoor Unit | | | | | | | | | |
|---|-------------------------------|-----------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| Dehumidification | | pt/hr (l/hr) | 1.69 (0.80) | 2.96 (1.4) | 3.8 (1.8) | 3.8 (1.80) | 4.23 (2.00) | 6.34 (3.00) | 7.4 (3.5) |
| Air flow volume | T / H / M / L ² | cfm | 377 / 288 / 241 / 170 | 400 / 288 / 241 / 171 | 559 / 488 / 412 / 335 | 559 / 488 / 412 / 335 | 706 / 647 / 589 / 530 | 706 / 618 / 530 / 412 | 736 / 647 / 530 / 412 |
| Sound level | T / H / M / L ² | dB (A) | 43 / 39 / 35 / 29 | 45 / 39 / 35 / 29 | 49 / 44 / 41 / 36 | 47 / 43 / 40 / 39 | 48 / 44 / 40 / 36 | - | - |
| Fan motor power output | | W | 20 | 20 | 60 | 60 | 60 | 70 | 70 |
| Fan motor RLA | | A | 0.09 | 0.09 | 0.24 | 0.24 | 0.38 | 0.4 | 0.4 |
| Deflector stepper motor power output | | W | 1.5 | 1.5 | 2.5 | 2.5 | 2.5 | 1.5 | 1.5 |
| Net weight | | lb (kg) | 22 (10) | 22 (10) | 30 (13.5) | 28 (12.5) | 34 (15.5) | 42 (19) | 42 (19) |

| Outdoor Unit | | | | | | | | | | |
|--------------------------------------|---------|---------|-------------|-------------|--------------|--------------|-------------|-------------|-----------------------|--|
| Air flow volume | | cfm | 1800 | 2000 | 3200 | 3200 | 4000 | 4000 | 4400 | |
| Sound level | | dB (A) | 53 | 54 | 58 | 55 | 59 | 62 | 65 | |
| Compressor power input | | W | 845 | 845 | 1440 | 1440 | 2550 | 2450 | 3010 | |
| Compressor LRA | | A | - | - | 25 | 25 | 25 | 4 | 67 | |
| Compressor RLA | | A | 4 | 4 | 12.08 | 12.08 | 11.5 | 13.45 | 17.5 | |
| Fan motor power output | | W | 30 | 30 | 60 | 60 | 92 | 120 | 170 | |
| Fan motor RLA | | A | - | 0.36 | 0.49 | 0.49 | 0.65 | 0.45 | 0.73 | |
| Refrigerant volume (R410A) | | oz (g) | 45.9 (1301) | 47.6 (1349) | 56.44 (1600) | 56.44 (1600) | 77.6 (2200) | 84.66 (2.4) | 91.71 (2.6) | |
| Net weight | | lb (kg) | 78 (35.5) | 86 (39) | 106 (48) | 106 (48) | 142 (65.5) | 154.5 (70) | 161 (73) | |
| 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) | 25 (7.5) |
| Additional refrigerant charge | | oz/ft. (g/m) | 0.2 (20) | 0.2 (20) | 0.2 (20) | 0.2 (20) | 0.5 (50) | 0.5 (50) | 0.5 (50) |
| Liquid pipe outer diameter | | in. | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| Gas pipe outer diameter | | in. | 3/8 | 1/2 | 5/8 | 5/8 | 5/8 | 5/8 | 5/8 |
| Maximum height difference | | ft. (m) | 33 (10) | 33 (10) | 33 (10) | 33 (10) | 33 (10) | 33 (10) | 33 (10) |
| Maximum total length | | ft. (m) | 49 (15) | 66 (20) | 82 (25) | 82 (25) | 82 (25) | 98 (30) | 98 (30) |

¹ 1 indoor unit and 1 outdoor unit. Note that each unit is individually packaged.

² Cross-Flow Fan Speeds: (T) Turbo / (H) High / (M) Medium / (L) Low.

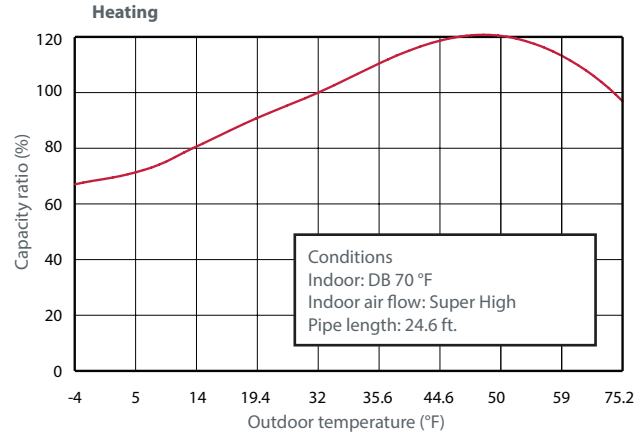
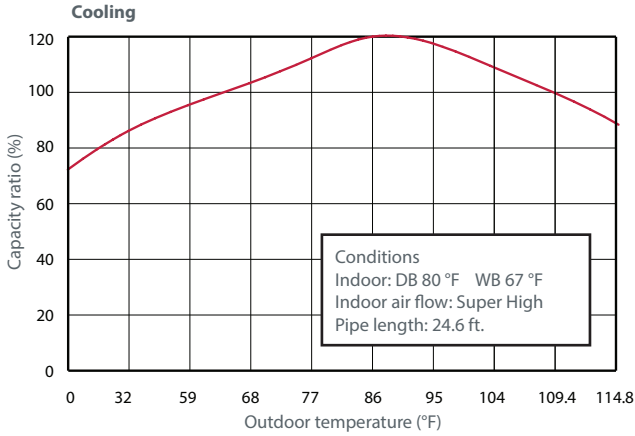
Options

See OTP Options section

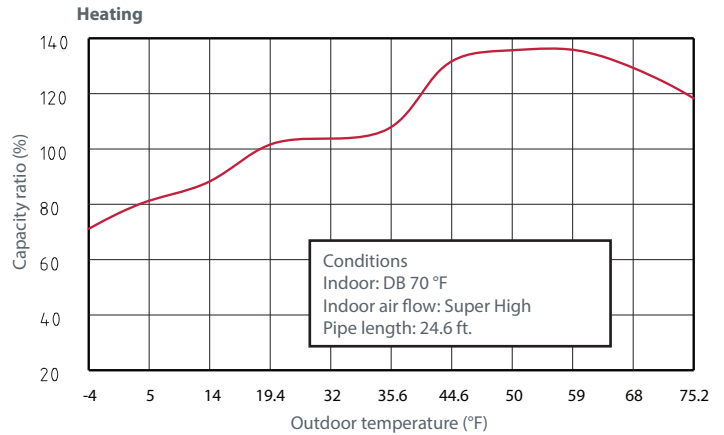
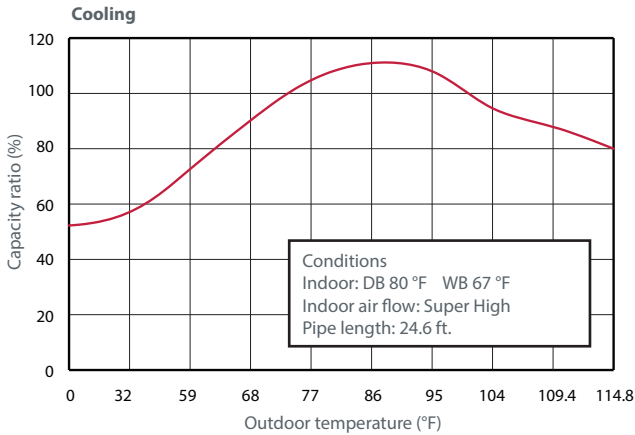
OTP-C

Capacity Variation Ratio According to Temperature

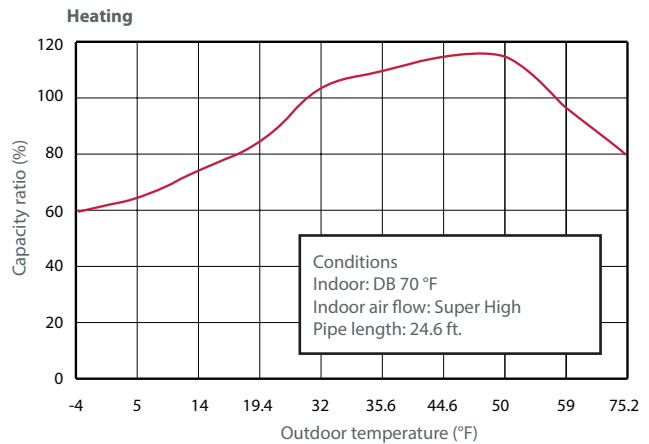
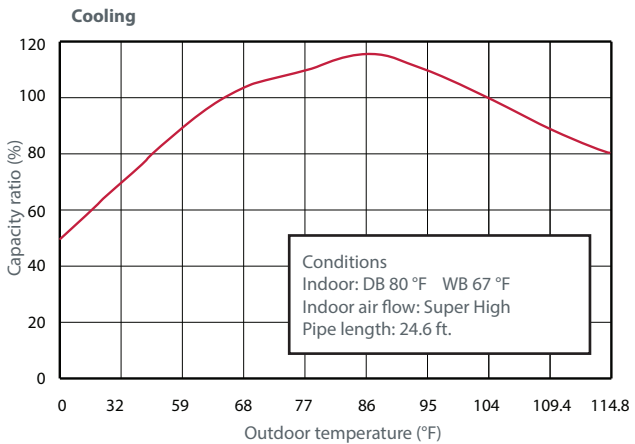
OCD09 & OCD12



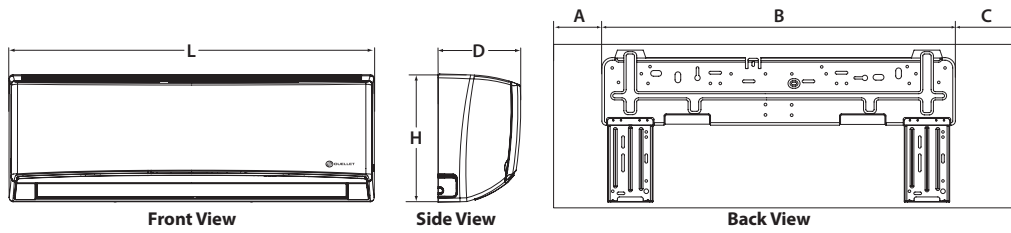
OCD15, OCD18 & OCD24



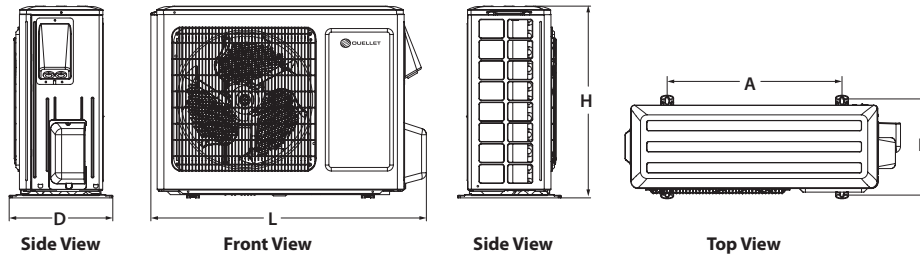
OCD30 & OCD36



Indoor Unit



Outdoor Unit



| Indoor Unit | L | | H | | D | | A | | B | | C | |
|--------------------------------|---------|------|----------|-----|---------|-----|---------|-----|---------|-----|--------|-----|
| | in. | mm | in. | mm | in. | mm | in. | mm | in. | mm | in. | mm |
| OCD09KCH235-I OCD12KCH225-I | 33 1/4 | 845 | 11 3/8 | 289 | 8 1/4 | 209 | 4 11/16 | 119 | 21 5/16 | 542 | 7 1/4 | 184 |
| OCD15KCH205-I | 38 3/16 | 970 | 11 13/16 | 300 | 8 13/16 | 224 | 4 | 102 | 27 | 686 | 7 3/16 | 183 |
| OCD18KCH205-I | 38 3/16 | 970 | 11 13/16 | 300 | 8 13/16 | 224 | 4 | 102 | 27 | 686 | 7 3/16 | 183 |
| OCD24KCH205-I | 42 7/16 | 1078 | 12 13/16 | 325 | 9 11/16 | 246 | 8 1/8 | 206 | 27 | 686 | 7 5/16 | 186 |
| OCD30KCH185-I | 53 1/8 | 1350 | 12 13/16 | 325 | 9 31/32 | 253 | 8 1/8 | 206 | 27 | 686 | 7 5/16 | 186 |
| OCD36KCH185-I | 53 1/8 | 1350 | 12 13/16 | 325 | 9 31/32 | 253 | 8 1/8 | 206 | 27 | 686 | 7 5/16 | 186 |

| Outdoor Unit | L | | H | | D | | A | | B | |
|---------------|---------|-----|---------|-----|----------|-----|--------|-----|---------|-----|
| | in. | mm | in. | mm | in. | mm | in. | mm | in. | mm |
| OCD09KCH235-O | 33 3/8 | 848 | 21 1/4 | 540 | 12 5/8 | 320 | 21 1/4 | 540 | 11 1/4 | 286 |
| OCD12KCH225-O | 33 3/8 | 848 | 23 5/16 | 592 | 12 5/8 | 320 | 21 1/4 | 540 | 11 1/4 | 286 |
| OCD15KCH205-O | 37 5/8 | 955 | 27 9/16 | 700 | 15 9/16 | 396 | 22 | 559 | 14 5/16 | 364 |
| OCD18KCH205-O | 37 5/8 | 955 | 27 9/16 | 700 | 15 9/16 | 396 | 22 | 559 | 14 5/16 | 364 |
| OCD24KCH205-O | 38 9/16 | 980 | 31 1/8 | 790 | 16 13/16 | 427 | 24 | 610 | 15 9/16 | 395 |
| OCD30KCH185-O | 38 9/16 | 980 | 31 1/8 | 790 | 16 13/16 | 427 | 24 | 610 | 15 9/16 | 395 |
| OCD36KCH185-O | 38 9/16 | 980 | 31 1/8 | 790 | 16 13/16 | 427 | 24 | 610 | 15 9/16 | 395 |