

## Ductless Heat Pumps OTP Series



Ouellet.. A source of comfort for over 50 years!

Ouellet Canada is recognized as the undisputed North American leader in the design, manufacture, and distribution of electric heating products.

Located in L'Islet in the province of Quebec, Canada, we know a thing or two about harsh winters. For over 50 years, we've offered high quality products and services that have earned us the trust of customers across Canada.

**Your satisfaction is our number one priority.**

We certify all our installers in order to ensure you the best possible customer experience—from system installation to aftersales service.



Warranty for your peace of mind

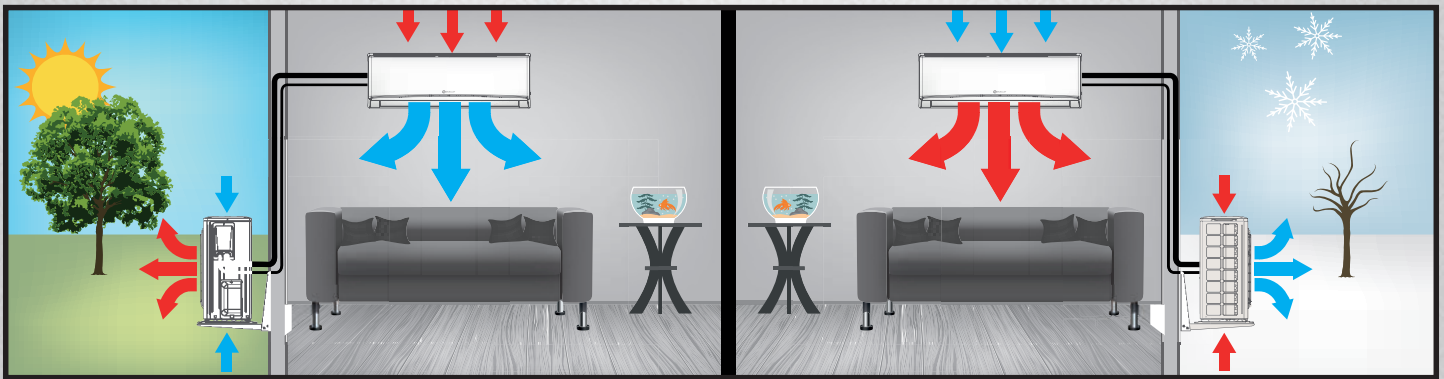
Every Ouellet heat pump system comes with a basic warranty on parts (labour not included).





## How a heat pump works

Heat pumps use the principle of thermodynamics to transfer heat from one place to another. In winter they extract heat energy from the outside air and transfer it inside. The same happens in the summer, but in reverse: they extract heat from inside and transfer it outside. Heat pumps are therefore more efficient than traditional electric heating systems that use electrical resistance to generate heat. A high-performance heat pump system produces about four times more heat than a resistive system for the same energy consumption, as well as offering the comfort of air conditioning during hotter weather.



## Ductless wall-mounted heat pumps versus Central heat pump systems

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.

Ductless wall-mounted heat pumps offer several advantages over central systems:

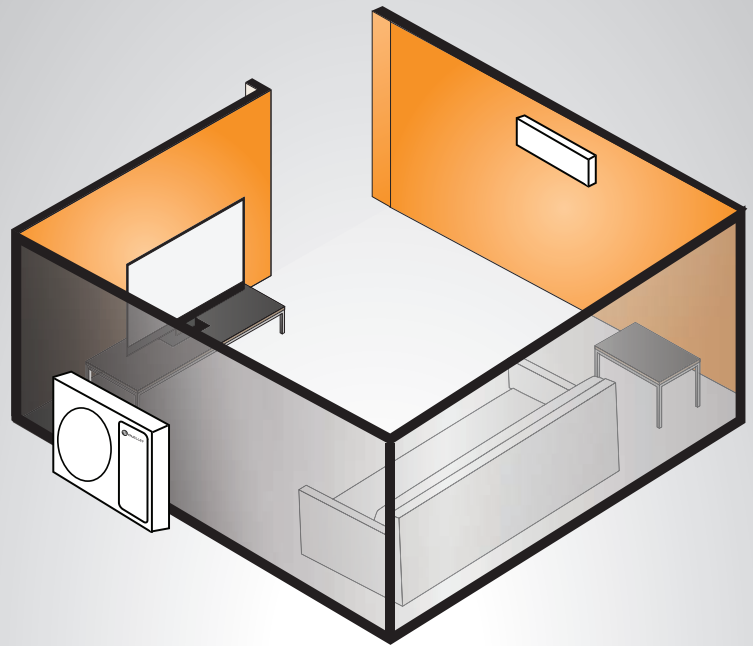
- They can be controlled individually and adapted to each room where they are located, thereby optimizing comfort while reducing energy consumption.
- They are more efficient because there is no energy loss due to air passing through ducts.
- They are perfect for retrofits where it's impossible or very expensive to install air ducts in existing ceilings and walls.
- They are less expensive to purchase and, because they are more efficient, less expensive to operate.

# Single zone versus Multizone

There are two types of applications for wall-mounted heat pumps:

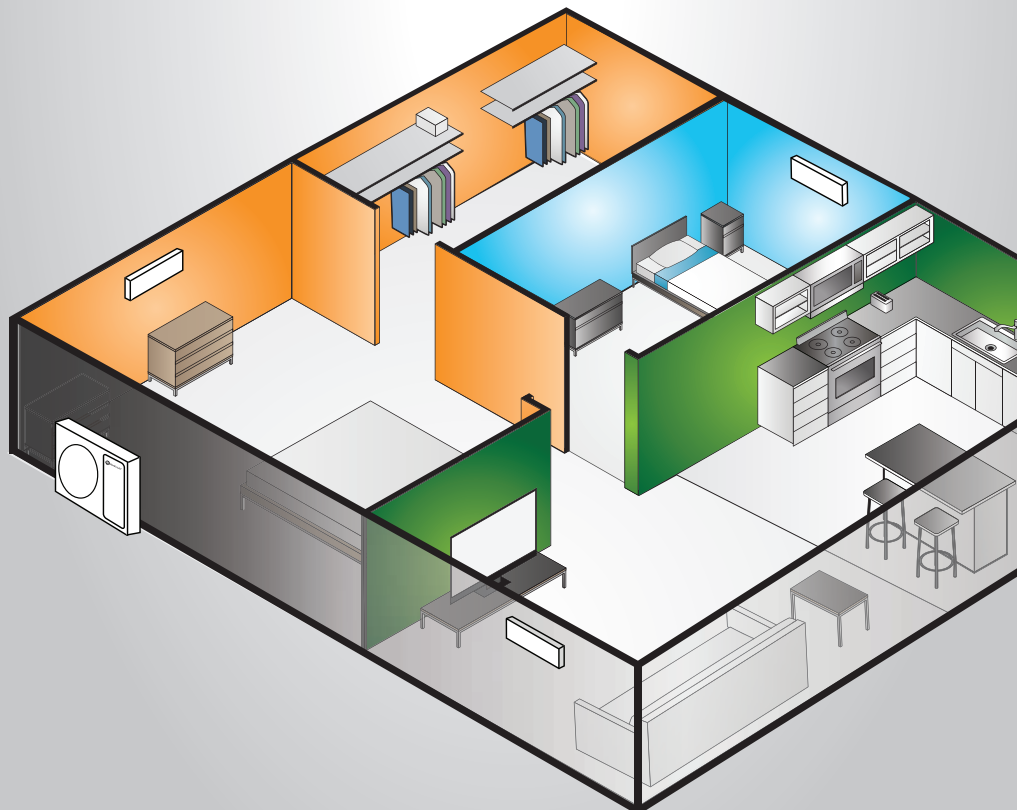
## Single zone

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 open-concept kitchen/living room or a family room in the basement.



## Multizone

A multizone system consists of an outdoor unit that can be connected to multiple indoor units to provide optimal comfort in each room in the house, with independent control of each indoor unit.





# Technological performance for enhanced energy efficiency

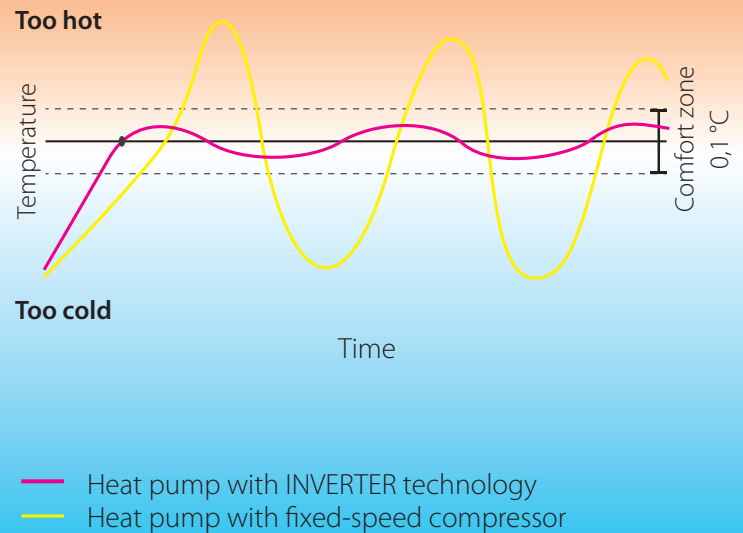
Unlike traditional, fixed-speed compressors that use a start/stop cycle, the variable-speed rotary compressor (INVERTER) in our units adjusts its speed to the minimum load required to maintain the desired temperature.

Since it always takes more energy to start up a system than to operate it continuously, fixed-speed compressors waste energy and lead to significant temperature fluctuations.

Here are some of the benefits of our INVERTER technology systems:

- Energy savings
- Greater comfort thanks to constant temperatures
- Desired temperature reached more quickly
- Longer system lifespan
- Quieter operation

## Heat pump with INVERTER technology versus Heat pump with fixed-speed compressor



## Performance ratings

↑ HSPF

↑ SEER

=

↑ \$

Because a heat pump's performance is affected by the outside temperature, we use a heating seasonal performance factor (HSPF) to obtain a more realistic measurement of a heat pump's efficiency over an entire heating season in a given climatic zone. We obtain the HSPF by dividing the total heat output (BTU/hr) of the heat pump over the entire heating season by the total energy used (Wh) over the same period. **The higher the HSPF, the more efficient the heat pump is at heating.**

The equivalent of HSPF for air conditioning is the seasonal energy efficiency ratio (SEER). We calculate this by dividing the total cooling output (BTU/hr) of the unit during the cooling season by the total energy used (Wh) over the same period. Again, **the higher the SEER, the more efficient the heat pump is at cooling.**

And the more efficient the heat pump, the greater your cost savings!

# Features



## Smart Pan Heater

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



## Compressor Blanket and Preheating Technology

Keeps the oil inside the compressor warm and prevents it from mixing with the refrigerant.



## 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.



## 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 one of five fixed positions or use the auto swing mode to swing the louvres up and down in the five positions.



## Left & Right Swing

Can be used to select oscillating angles for the vertical louvres. Choose one of five fixed positions or use the auto swing mode to swing the louvres left and right in the five 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 control as 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).

# Choose the unit that's right for you

Ouellet Canada offers a variety of heat pumps to meet your requirements. Whether you are looking for a low-cost unit, the most efficient one or something in between, we have the right product for you.

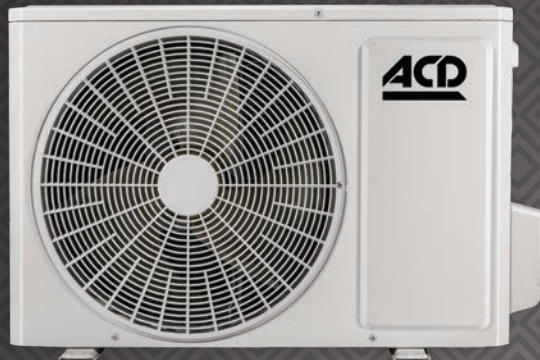
Use the table below to easily compare our heat pumps' features.

	 <b>OTP-H Series Harmony</b>	 <b>OTP-P Series Pacific</b>	 <b>OTP-O Series Olympia</b>	 <b>OTP-MZ Series Myriad Plus</b>
<b>SEER2</b>	19.5-17.5	25.5-23.5	38-21.5	21
<b>HSPF2</b>	8.8-8.5	10.2-9	15-12	10
<b>Heating performance up to</b>	-25 °C (-13 °F)	-30 °C (-22 °F)	-30 °C (-22 °F)	-30 °C (-22 °F)
<b>Cooling performance up to</b>	-18 °C (0 °F)	-29 °C (-20 °F)	-18 °C (0 °F)	-30 °C (-22 °F)
<b>ENERGY STAR</b>	-			
<b>Fan speed</b>	7 speeds	7 speeds	7 speeds	7 speeds
<b>Smart pan heater</b>				
<b>Compressor blanket and preheating technology</b>	-			
<b>Anti-corrosion fin coating</b>				
<b>Quiet design</b>				
<b>Smart defrosting</b>				
<b>Smart preheating</b>				
<b>Auto-restart</b>				
<b>Auto-clean</b>				
<b>Self-diagnosis</b>				
<b>Sleep mode</b>				
<b>Turbo mode</b>				
<b>Up &amp; down auto swing</b>				
<b>Left &amp; right auto swing</b>	-			
<b>Timer</b>				
<b>I Feel</b>				
<b>Lock</b>				
<b>Wi-Fi</b>		Optional		Optional
<b>Wireless remote control</b>				
<b>Wall controller</b>	Optional	Optional	Optional	Optional
<b>Basic warranty (labour not included)</b>	10-year parts 10-year compressor	10-year parts 10-year compressor	10-year parts 10-year compressor	10-year parts 10-year compressor



# Harmony Ductless Single Zone Heat Pump

OTP-H Series



BASIC WARRANTY  
**10 years**  
 PARTS &  
 COMPRESSOR



Performance up to



-18°C  
0°F

Cooling



-25°C  
-13°F

Heating

Up to

**19 SEER2**  
IN COOLING

**8.8 HSPF2**  
IN HEATING

Includes



Smart Pan Heater



Fin Coating



Quiet Design



Smart Defrosting



Smart Preheating



Auto Restart



Auto-Clean



Self-Diagnosis



Wall Controller



Sleep Mode



Turbo Mode



Up & Down Swing



Timer



I Feel



Lock



Wireless Remote



Wi-Fi

Optional

## Harmony Models - OTP-H Series

Product # <sup>1</sup>	Indoor Unit Outdoor Unit	CHD09KCH19S-I CHD09KCH19S-O	CHD12KCH17S-I CHD12KCH17S-O	CHD18KCH17S-I CHD18KCH17S-O	CHD24KCH18S-I CHD24KCH18S-O
<b>Technical Performance</b>					
<b>Voltage</b>	Volts	230/208	230/208	230/208	230/208
<b>Cooling capacity</b>	Nominal	W (BTU/hr) 2667 (9100)	3517 (12000)	5159 (17600)	6450 (22000)
	Min. – max.	W (BTU/hr) 820 - 3018 (2800 - 10300)	700 - 3700 (2388 - 13307)	1100 - 5850 (3753 - 19960)	2000 - 7400 (6824 - 25249)
<b>Heating capacity</b>	Nominal	W (BTU/hr) 2931 (10000)	3517 (12000)	5598 (19100)	7040 (24000)
	Min. – max.	W (BTU/hr) 655 - 3575 (2200 - 12200)	700 - 4400 (2388 - 15013)	800 - 6600 (2730 - 22519)	1750 - 8000 (5971 - 27296)
<b>Used cooling power input</b>	Nominal	W 805	1334	1750	1896
	Min. – max.	W 180 - 1350	180 - 1500	200 - 2300	340 - 2350
<b>Used heating power input</b>	Nominal	W 781	1004	1750	2051
	Min. – max.	W 150 - 1450	260 - 1650	260 - 2300	370 - 2400
<b>Used rated input</b>	W	1450	1650	2300	2400
<b>Rated current</b>	A	6.5	6.7	9.5	12
<b>MCA</b>	A	9	11	14	15
<b>Max. over-current protection (MOCP)</b>	A	15	15	20	20
<b>SEER2 (SEER)</b>	-	19.5 (19.5)	17.5 (17.5)	17.5 (17.5)	18 (18)
<b>HSPF2 (HSPF)</b>	-	8.8 (10)	8.5 (10)	8.5 (9)	8.5 (10)
<b>EER</b>	W/W	3.30	2.64	2.95	3.40
<b>COP</b>	W/W	3.75	3.50	3.20	3.43
<b>AHRI number</b>	-	210410121	210410122	210410123	210410124
<b>ENERGY STAR</b>	-	-	-	-	-
<b>Indoor Unit</b>					
<b>Dehumidification</b>	pt/hr (l/hr)	1.69 (0.80)	2.96 (1.40)	3.8 (1.80)	5.28 (2.50)
<b>Air flow volume</b>	cfm	353 / 282.5 / 264.8 / 229.5 / 211.86 / 194.2 / 158.8	424 / 353 / 324 / 277 / 247 / 224 / 182	618 / 512 / 471 / 436 / 395 / 336 / 283	677 / 588 / 559 / 500 / 471 / 441 / 412
<b>Sound level</b>	dB (A)	51 / 47 / 44 / 42 / 41 / 38 / 36	57 / 49 / 48 / 45 / 43 / 42 / 37	60 / 56 / 54 / 52 / 50 / 46 / 42	61 / 57 / 55 / 52 / 50 / 48 / 46
<b>Fan motor power output</b>	W	20	15	45	60
<b>Fan motor RLA</b>	A	0.30	0.40	0.70	0.45
<b>Deflector stepper motor power output</b>	W	1.5	1.5	2.5	2.5
<b>Net weight</b>	lb (kg)	19.8 (9)	19.8 (9)	28.7 (13)	33 (18)
<b>Outdoor Unit</b>					
<b>Air flow volume</b>	m <sup>3</sup> /hr	1950	1950	2520	3200
<b>Sound level</b>	dB (A)	51	52	57	57
<b>Compressor power input</b>	W	756	857	1295	1330
<b>Compressor LRA</b>	A	-	-	25	35
<b>Compressor RLA</b>	A	5.20	7.30	9.35	10.45
<b>Fan motor power output</b>	W	30	30	30	60
<b>Fan motor RLA</b>	A	0.4	0.6	0.9	0.6
<b>Refrigerant volume (R410A)</b>	oz (g)	24.7 (700)	27.5 (750)	44.1 (1150)	52.9 (1500)
<b>Net weight</b>	lb (kg)	56.22 (25.5)	57.33 (26)	71.70 (32.5)	97 (44)
<b>Operating ambient temperature</b>	Cooling	°C (°F) -18 to 46 (0 to 115)			
	Heating	°C (°F) -25 to 24 (-13 to 75)			
<b>Connection Piping/Refrigerant</b>					
<b>Pre-charge length</b>	ft. (m)	25 (7.5)	25 (7.5)	25 (7.5)	25 (7.5)
<b>Additional refrigerant charge</b>	oz/ft. (g/m)	0.2 (20)	0.2 (20)	0.2 (20)	0.5 (50)
<b>Liquid pipe outer diameter</b>	in.	1/4	1/4	1/4	1/4
<b>Gas pipe outer diameter</b>	in.	3/8	3/8	1/2	5/8
<b>Maximum height difference</b>	ft. (m)	40 (12.2)	40 (12.2)	66 (20)	82 (25)
<b>Maximum total length</b>	ft. (m)	66 (20)	66 (20)	82 (25)	131 (40)

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

# Pacific Ductless Single Zone Heat Pump

## OTP-P Series



BASIC WARRANTY  
**10** years  
 PARTS &  
 COMPRESSOR



### Performance up to



-29°C  
-20°F

Cooling



-30°C  
-22°F

Heating

### Up to

**25.5 SEER2**  
IN COOLING

**10.2 HSPF2**  
IN HEATING

### Includes



Smart Pan Heater



Crankcase Heater



Fin Coating



Quiet Design



Smart Defrosting



Smart Preheating



Auto Restart



Auto-Clean



Self-Diagnosis



Sleep Mode



Turbo Mode



Up & Down Swing



Left & Right Swing



Timer



I Feel



Lock



Wireless Remote

### Optional



Wall Controller



Wi-Fi



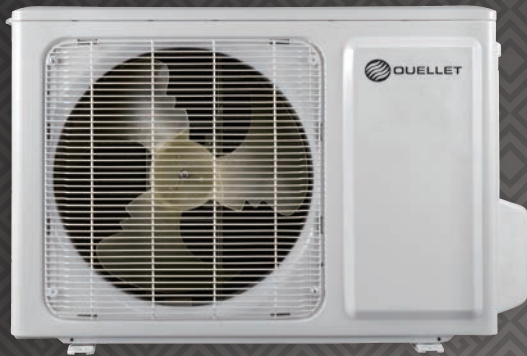
## Pacific Models - OTP-P Series

Product # <sup>1</sup>	Indoor Unit Outdoor Unit	PUD09KCH255-I PUD09KCH255-O	PUD12KCH245-I PUD12KCH245-O	PUD18KCH235-I PUD18KCH235-O	PUD24KCH245-I PUD24KCH245-O	PUD30KCH205-I PUD30KCH205-O	PUD36KCH205-I PUD36KCH205-O	
<b>Technical Performance</b>								
<b>Voltage</b>	Volts	230/208	230/208	230/208	230/208	230/208	230/208	
<b>Cooling capacity</b>	Nominal	W (BTU/hr)	2667 (9100)	3517 (12000)	5275 (18000)	6450 (22000)	8800 (30000)	9850 (33600)
	Min. – max.	W (BTU/hr)	450 - 3150 (1535 - 10748)	900 - 4132 (3070 - 14100)	1500 - 6200 (5118 - 21154)	2600 - 8200 (8870 - 28000)	2280 - 10400 (7780 - 35500)	2200 - 10900 (7500 - 37200)
<b>Heating capacity</b>	Nominal	W (BTU/hr)	3077 (10500)	3517 (12000)	5275 (18000)	7040 (24000)	8800 (30000)	10140 (34600)
	Min. – max.	W (BTU/hr)	1000 - 4300 (3412 - 14671)	900 - 4543 (3071 - 15500)	1500 - 6200 (5118 - 21154)	2100 - 9000 (7200 - 30708)	2670 - 10800 (9100 - 36850)	3000 - 11300 (10200 - 38500)
<b>Used cooling power input</b>	Nominal	W	619	961	1384	1679	2667	3200
	Min. – max.	W	130 - 1013	220 - 1400	130 - 2300	290 - 2600	650 - 3600	670 - 4000
<b>Used heating power input</b>	Nominal	W	848	923	1384	1870	2588	3200
	Min. – max.	W	228 - 1343	220 - 1500	250 - 2350	470 - 3100	650 - 3900	600 - 3950
<b>Used rated input</b>	W	1343	1500	2350	3100	3900	4000	
<b>Rated current</b>	A	4.73	6.30	11.50	15.30	19	20	
<b>MCA</b>	A	10	10	14	16	20	23	
<b>Max. over-current protection (MOCP)</b>	A	15	15	20	25	30	35	
<b>SEER2 (SEER)</b>	-	25.5 (25.5)	24 (24)	23.5 (23)	24.5 (24)	20 (19)	20 (20)	
<b>HSPF2 (HSPF)</b>	-	10.2 (12)	9 (11)	9 (11)	9.5 (11)	8.5 (10)	8.5 (9)	
<b>EER</b>	W/W	4.31	3.66	3.81	3.85	3.30	3.08	
<b>COP</b>	W/W	3.90	3.81	3.81	3.79	3.40	3.17	
<b>AHRI number</b>	-	210534142	210534143	211619266	210534144	211709659	211709660	
<b>ENERGY STAR</b>	-	-	-	-	-	-	-	
<b>Indoor Unit</b>								
<b>Dehumidification</b>	pt/hr (l/hr)	1.69 (0.80)	2.96 (1.4)	3.80 (1.8)	5 (2.40)	7.4 (3.50)	7.4 (3.50)	
<b>Air flow volume</b>	cfm	353 / 323 / 294 / 264 / 235 / 176 / 158	400 / 364 / 329 / 288 / 264 / 247 / 229	589 / 500 / 441 / 412 / 383 / 353 / 324	736 / 588 / 530 / 471 / 441 / 412 / 383	912 / 736 / 706 / 647 / 588 / 530 / 471	912 / 736 / 706 / 647 / 588 / 530 / 471	
<b>Sound level</b>	dB (A)	50 / 47 / 45 / 42 / 39 / 36 / 35	53 / 48 / 46 / 44 / 42 / 40 / 37	59 / 53 / 51 / 50 / 47 / 43 / 39	62 / 54 / 52 / 49 / 48 / 46 / 44	66 / 60 / 57 / 55 / 52 / 50 / 47	66 / 60 / 57 / 55 / 52 / 50 / 47	
<b>Fan motor power output</b>	W	15	15	45	60	70	70	
<b>Fan motor RLA</b>	A	0.22	0.20	0.35	0.30	0.6	0.75	
<b>Deflector stepper motor power output</b>	W	1.5	1.5	1.5	1.5	1.5	1.5	
<b>Net weight</b>	lb (kg)	21 (9.5)	21 (9.5)	29 (13.5)	35 (16)	44 (24.5)	44 (24.5)	
<b>Outdoor Unit</b>								
<b>Air flow volume</b>	m <sup>3</sup> /hr	2200	2200	3600	4500	4500	4500	
<b>Sound level</b>	dB (A)	52	52	59	62	72	72	
<b>Compressor power input</b>	W	800	784	1196	1350	2020	2294	
<b>Compressor LRA</b>	A	-	-	-	-	-	-	
<b>Compressor RLA</b>	A	6.50	6.80	9.25	11	14.2	16	
<b>Fan motor power output</b>	W	30	30	60	90	90	90	
<b>Fan motor RLA</b>	A	0.4	0.4	0.9	0.6	0.90	1.50	
<b>Refrigerant volume (R410A)</b>	oz (g)	35.28 (1000)	42.33 (1200)	54.70 (1550)	60 (1700)	74.1 (2100)	84.7 (2400)	
<b>Net weight</b>	lb (kg)	70.5 (32)	70.5 (32)	98 (44.5)	108 (49)	113.6 (56.5)	127.9 (58)	
<b>Operating ambient temperature</b>	Cooling	°C (°F)						-29 to 50 (-20 to 122)
	Heating	°C (°F)						-30 to 30 (-22 to 86)
<b>Connection Piping/Refrigerant</b>								
<b>Pre-charge length</b>	ft. (m)	25 (7.5)	25 (7.5)	25 (7.5)	25 (7.5)	25 (7.5)	25 (7.5)	
<b>Additional refrigerant charge</b>	oz/ft. (g/m)	0.2 (20)	0.2 (20)	0.5 (50)	0.5 (50)	0.5 (50)	0.5 (50)	
<b>Liquid pipe outer diameter</b>	in.	1/4	1/4	1/4	1/4	1/4	1/4	
<b>Gas pipe outer diameter</b>	in.	3/8	1/2	5/8	5/8	5/8	5/8	
<b>Maximum height difference</b>	ft. (m)	40 (12.2)	40 (12.2)	66 (20)	82 (25)	82 (25)	82 (25)	
<b>Maximum total length</b>	ft. (m)	66 (20)	66 (20)	82 (25)	131 (40)	82 (25)	82 (25)	

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

# Olympia Ductless Single Zone Heat Pump

## OTP-O Series



BASIC WARRANTY  
**10** years  
 PARTS &  
 COMPRESSOR



Performance up to

-18°C  
0°F

Cooling

-30°C  
-22°F

Heating

Up to

**38 SEER**  
IN COOLING

**15 HSPF**  
IN HEATING

### Includes



Smart Pan Heater



Crankcase Heater



Fin Coating



Quiet Design



Smart Defrosting



Smart Preheating



Auto Restart



Auto-Clean



Self-Diagnosis



Wall Controller



Sleep Mode



Turbo Mode



Up & Down Swing



Left & Right Swing



Timer



I Feel



Lock



Wireless Remote



Wi-Fi

### Optional

## Olympia Models - OTP-O Series

Product # <sup>1</sup>	Indoor Unit Outdoor Unit		UHD09KCH38SB-I UHD09KCH38SB-O	UHD12KCH31S-I UHD12KCH31S-O	UHD18KCH25S-I UHD18KCH25S-O	UHD24KCH22S-I UHD24KCH22S-O
<b>Technical Performance</b>						
<b>Voltage</b>		<b>Volts</b>	230/208	230/208	230/208	230/208
<b>Cooling capacity</b>	Nominal	<b>W (BTU/hr)</b>	2638 (9000)	3517 (12000)	5276 (18000)	6450 (22000)
	Min. – max.	<b>W (BTU/hr)</b>	450 - 3800 (1535 - 12966)	850 - 4500 (2900 - 15354)	1200 - 6400 (4094 - 21837)	2000 - 9000 (6800 - 30700)
<b>Heating capacity</b>	Nominal	<b>W (BTU/hr)</b>	2638 (9000)	3575 (12200)	5276 (18000)	7000 (24000)
	Min. – max.	<b>W (BTU/hr)</b>	700 - 4000 (2388 - 13648)	900 - 5500 (3071 - 18766)	1200 - 7200 (4094 - 24566)	2000 - 9500 (6800 - 32000)
<b>Used cooling power input</b>	Nominal	<b>W</b>	540	785	1330	1700
	Min. – max.	<b>W</b>	50 - 1400	75 - 1500	350 - 2500	450 - 3700
<b>Used heating power input</b>	Nominal	<b>W</b>	590	940	1500	2000
	Min. – max.	<b>W</b>	200-1500	250 - 1600	350 - 2500	380 - 3700
<b>Used rated input</b>		<b>W</b>	1500	1600	2500	3700
<b>Rated current</b>		<b>A</b>	6.2	6.5	10.8	16.4
<b>MCA</b>		<b>A</b>	9	9	22	22
<b>Max. over-current protection (MOCP)</b>		<b>A</b>	15	15	30	35
<b>SEER</b>		-	38	30.5	24.5	21.5
<b>HSPF</b>		-	15	14	12	12
<b>EER</b>		<b>W/W</b>	4.84	4.48	3.97	3.81
<b>COP</b>		<b>W/W</b>	4.47	3.8	3.52	3.5
<b>AHRI number</b>		-	202110483	202110484	202110485	202132789
<b>ENERGY STAR</b>		-				
<b>Indoor Unit</b>						
<b>Dehumidification</b>		<b>pt/hr (l/hr)</b>	1.69 (0.80)	2.96 (1.40)	3.80 (1.80)	4.23 (2)
<b>Air flow volume</b>	T / H / MH / M / ML / L / Q <sup>2</sup>	<b>cfm</b>	424 / 383 / 353 / 324 / 294 / 265 / 206	500 / 471 / 441 / 353 / 324 / 265 / 235	736 / 677 / 618 / 559 / 500 / 457 / 353	824 / 765 / 706 / 647 / 589 / 500 / 383
<b>Sound level</b>	T / H / MH / M / ML / L / Q <sup>2</sup>	<b>dB (A)</b>	43 / 40 / 38 / 36 / 33 / 31 / 19	49 / 46 / 43 / 40 / 37 / 34 / 22	51 / 48 / 45 / 42 / 39 / 36 / 34	52 / 49 / 46 / 43 / 40 / 37 / 34
<b>Fan motor power output</b>		<b>W</b>	60	60	60	70
<b>Fan motor RLA</b>		<b>A</b>	0.09	0.09	0.24	0.38
<b>Deflector stepper motor power output</b>		<b>W</b>	2.5 / 1.5	2.5 / 1.5	2.5 / 1.5	2.5
<b>Net weight</b>		<b>lb (kg)</b>	29.8 (13.5)	29.8 (13.5)	36.4 (16.5)	36.4 (16.5)
<b>Outdoor Unit</b>						
<b>Air flow volume</b>		<b>cfm</b>	2400	2400	2354	4000
<b>Sound level</b>		<b>dB (A)</b>	53	53	59	59
<b>Compressor power input</b>		<b>W</b>	1070	1070	2443	2443
<b>Compressor LRA</b>		<b>A</b>	35	35	30	30
<b>Compressor RLA</b>		<b>A</b>	6.9	6.9	15.5	16
<b>Fan motor power output</b>		<b>W</b>	30	30	90	90
<b>Fan motor RLA</b>		<b>A</b>	0.24	0.24	0.65	0.65
<b>Refrigerant volume (R410A)</b>		<b>oz (g)</b>	45.9 (1301)	49.4 (1400)	70.6 (2101)	81.1 (2299)
<b>Net weight</b>		<b>lb (kg)</b>	99.2 (45)	99.2 (45)	141.1 (64)	147.7 (67)
<b>Operating ambient temperature</b>	Cooling	<b>°C (°F)</b>	-18 to 54 (0 to 129)			
	Heating	<b>°C (°F)</b>	-30 to 24 (-22 to 75)			
<b>Connection Piping/Refrigerant</b>						
<b>Pre-charge length</b>		<b>ft. (m)</b>	25 (7.5)	25 (7.5)	25 (7.5)	25 (7.5)
<b>Additional refrigerant charge</b>		<b>oz/ft. (g/m)</b>	0.2 (20)	0.2 (20)	0.5 (50)	0.5 (50)
<b>Liquid pipe outer diameter</b>		<b>in.</b>	1/4	1/4	1/4	1/4
<b>Gas pipe outer diameter</b>		<b>in.</b>	1/2	1/2	5/8	5/8
<b>Maximum height difference</b>		<b>ft. (m)</b>	49 (15)	49 (15)	66 (20)	98 (30)
<b>Maximum total length</b>		<b>ft. (m)</b>	98 (30)	98 (30)	100 (30)	164 (50)

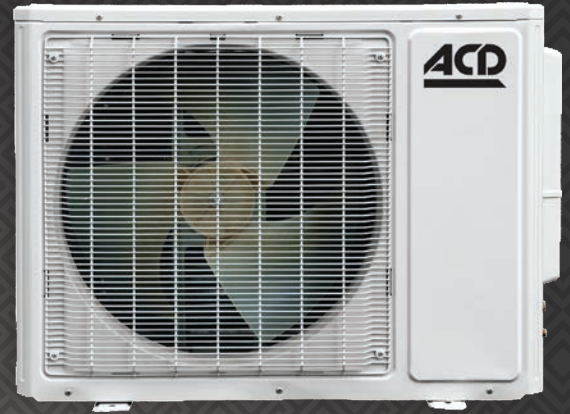
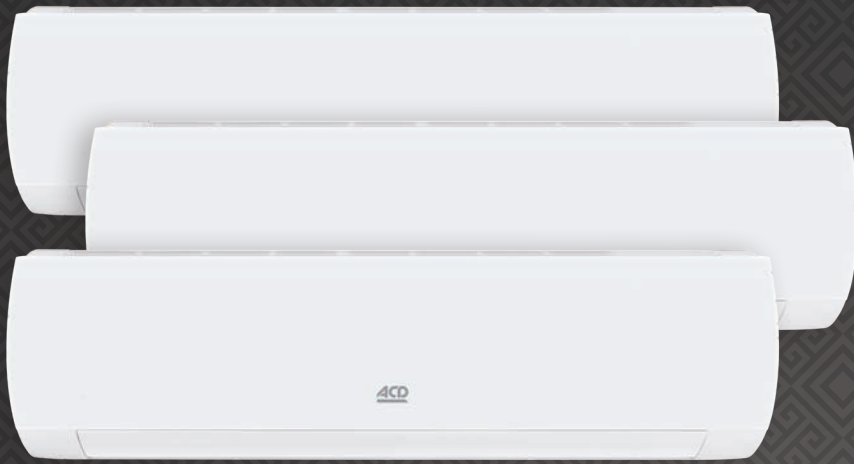
<sup>1</sup> 1 indoor unit and 1 outdoor unit. Note that each unit is individually packaged.

<sup>2</sup> Cross-Flow Fan Speeds: (T) Turbo / (H) High / (MH) Medium-High / (M) Medium / (ML) Medium-Low / (L) Low / (Q) Quiet.



# Myriad Plus Ductless Multizone Heat Pump

OTP-MZ Series



BASIC WARRANTY  
**10 years**  
 PARTS &  
 COMPRESSOR



### Performance up to



Cooling



Heating

### Up to



### Includes



Smart Pan Heater



Crankcase Heater



Fin Coating



Quiet Design



Smart Defrosting



Smart Preheating



Auto Restart



Auto-Clean



Self-Diagnosis



Wall Controller



Sleep Mode



Turbo Mode



Up & Down Swing



Left & Right Swing



Timer



I Feel



Lock



Wireless Remote



Wi-Fi

### Optional

## Outdoor Unit Myriad Plus Models - OTP-MZ Series

Product #		MPD18KCH21SB-0	MPD24KCH21SB-0	MPD30KCH21SB-0	MPD36KCH21SB-0	MPD42KCH21SB-0	
<b>Technical Performance</b>							
Number of connectable indoor unit		-	1 to 2	2 to 3	2 to 4	2 to 5	
Voltage		Volts	230/208	230/208	230/208	230/208	
Cooling capacity	Nominal	W (BTU/hr)	4982 (17000)	6800 (23200)	8300 (28400)	9970 (34000)	10550 (36000)
	Min. - max.	W (BTU/hr)	2052 - 5744 (7000 - 19600)	2200 - 9200 (7500 - 31400)	2400 - 10000 (8190 - 34100)	2600 - 10500 (8871 - 35826)	2600 - 12000 (8871 - 40944)
Heating capacity	Nominal	W (BTU/hr)	5275 (18000)	7030 (24000)	8792 (30000)	10550 (36000)	11720 (40000)
	Min. - max.	W (BTU/hr)	2052 - 5744 (7000 - 19600)	2200 - 9200 (7500 - 31400)	2400 - 12000 (8188 - 40900)	2600 - 13000 (8871 - 44356)	2600 - 13500 (8871 - 46062)
Used cooling power input	Nominal	W	1420	1860	2270	2830	3000
Used heating power input	Nominal	W	1380	1800	2250	2900	3020
MCA		A	20	25	30	30	30
Max. over-current protection (MOCP)		A	20	25	35	45	45
SEER		-	21	21	21	21	21
HSPF		-	10	10	10	10	10
EER		W/W	3.52	3.66	3.66	3.52	3.52
COP		W/W	3.82	3.91	3.91	3.64	3.88
AHRI number		-	210534127	210534128	210534129	210534130	210534131
ENERGY STAR		-					
Air flow volume		cfm	1354	2236	3413	3413	3413
Sound level		dB (A)	64	68	74	74	74
Compressor power input		W	1295	1887	2047	2294	2294
Compressor LRA		A	-	-	-	-	-
Compressor RLA		A	9.95	12.1	14.25	18.2	18.4
Fan motor power output		W	30	60	130	130	130
Refrigerant volume (R410A)		oz (g)	45.9 (1300)	84.7 (2400)	105.8 (3000)	130.5 (3700)	134 (3800)
Net weight		lb (kg)	77 (35)	115 (52)	152 (69)	172 (78)	174 (79)
Operating ambient temperature	Cooling	°C (°F)		-30 to 48 (-22 to 118)		-30 to 48 (-22 to 118)	
	Heating	°C (°F)		-30 to 24 (-22 to 75)		-30 to 24 (-22 to 75)	
<b>Connection Piping/Refrigerant</b>							
Pre-charge length		ft. (m)	33 (10)	98 (30)	131 (40)	131 (40)	131 (40)
Additional refrigerant charge		oz/ft. (g/m)	0.2 (20)	0.2 (20)	0.2 (20)	0.2 (20)	0.2 (20)
Liquid pipe outer diameter		in.	1/4	1/4	1/4	1/4	1/4
Gas pipe outer diameter		in.	3/8	3/8	3/8	3/8	3/8
Max. height difference outdoor to indoor unit		ft. (m)	49 (15)	49 (15)	82 (25)	82 (25)	82 (25)
Max. total length		ft. (m)	131 (40)	197 (60)	262 (80)	262 (80)	328 (100)

## Indoor Unit Myriad Plus Models - OTP-MZ Series

Product #		PUD09KCH25S-I	PUD12KCH24S-I	PUD18KCH23S-I	PUD24KCH24S-I	
Cooling capacity	Nominal	W (BTU/hr)	2667 (9100)	3517 (12000)	5275 (18000)	6450 (22000)
	Min. - max.	W (BTU/hr)	450 - 3150 (1535 - 10748)	900 - 4132 (3070 - 14100)	1500 - 6200 (5118 - 21154)	2600 - 8200 (8870 - 28000)
Heating capacity	Nominal	W (BTU/hr)	3077 (10500)	3517 (12000)	5275 (18000)	7040 (24000)
	Min. - max.	W (BTU/hr)	1000 - 4300 (3412 - 14671)	900 - 4543 (3071 - 15500)	1500 - 6200 (5118 - 21154)	2100 - 9000 (7200 - 30708)
Dehumidification		pt/hr (l/hr)	1.69 (0.8)	2.96 (1.4)	3.8 (1.8)	5 (2.40)
Air flow volume		cfm	353 / 323 / 294 / 264 / 235 / 176 / 158	400 / 364 / 329 / 288 / 264 / 247 / 229	589 / 500 / 441 / 412 / 383 / 353 / 324	736 / 588 / 530 / 471 / 441 / 412 / 383
Sound level		dB (A)	50 / 47 / 45 / 42 / 39 / 36 / 35	53 / 48 / 46 / 44 / 42 / 40 / 37	59 / 53 / 51 / 50 / 47 / 43 / 39	62 / 54 / 52 / 49 / 48 / 46 / 44
Fan motor power output		W	15	15	45	60
Fan motor RLA		A	0.22	0.20	0.35	0.30
Deflector stepper motor power output		W	1.5	1.5	1.5	1.5
Net Weight		lb (kg)	21 (9.5)	21 (9.5)	29 (13.5)	35 (16)

Note that each unit is individually packaged.

# To order your Myriad Plus multizone system

OTP-MZ Series

# 1

Choose the outdoor unit based on the system capacity required.

# 2

Choose the appropriate indoor unit combination by referring to the opposite combination table.

Refer to the legend to find the product # of the indoor units you want to order.

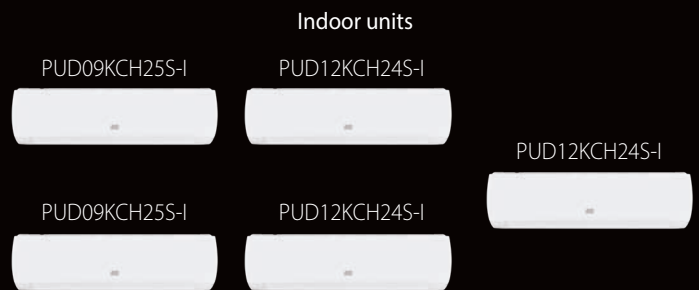
## Example:

Outdoor unit required:  
MPD42KCH21SB-O

Indoor unit combination chosen:  
09 + 09 + 12 + 12 + 12



+



*Note that each unit is individually packaged.*

## Combination Table Myriad Plus - OTP-MZ Series

Outdoor Unit	2 Indoor Units
MPD18KCH21SB-O	09 + 09
	09 + 12
	12 + 12

Outdoor Unit	2 Indoor Units	3 Indoor Units
MPD24KCH21SB-O	09 + 09	09 + 09 + 09
	09 + 12	09 + 09 + 12
	09 + 18	-
	12 + 12	-
	12 + 18	-

Outdoor Unit	2 Indoor Units	3 unités intérieures	4 Indoor Units
MPD30KCH21SB-O	09 + 09	09 + 09 + 09	09 + 09 + 09 + 09
	09 + 12	09 + 09 + 12	09 + 09 + 09 + 12
	09 + 18	09 + 09 + 18	-
	12 + 12	09 + 12 + 12	-
	12 + 18	09 + 12 + 18	-
	18 + 18	12 + 12 + 12	-

Outdoor Unit	2 Indoor Units	3 Indoor Units	4 Indoor Units	5 Indoor Units
MPD36KCH21SB-O	09 + 09	09 + 09 + 09	09 + 09 + 09 + 09	09 + 09 + 09 + 09 + 09
	09 + 12	09 + 09 + 12	09 + 09 + 09 + 12	09 + 09 + 09 + 09 + 12
	09 + 18	09 + 09 + 18	09 + 09 + 09 + 18	-
	09 + 24	09 + 09 + 24	09 + 09 + 12 + 12	-
	12 + 12	09 + 12 + 12	09 + 09 + 12 + 18	-
	12 + 18	09 + 12 + 18	09 + 12 + 12 + 12	-
	12 + 24	09 + 12 + 24	12 + 12 + 12 + 12	-
	18 + 18	09 + 18 + 18	-	-
	18 + 24	09 + 18 + 24	-	-
	24 + 24	12 + 12 + 12	-	-
	-	12 + 12 + 18	-	-
	-	12 + 12 + 24	-	-
	-	12 + 18 + 18	-	-

Outdoor Unit	2 Indoor Units	3 Indoor Units	4 Indoor Units	5 Indoor Units
MPD42KCH21SB-O	09 + 09	09 + 09 + 09	09 + 09 + 09 + 09	09 + 09 + 09 + 09 + 09
	09 + 12	09 + 09 + 12	09 + 09 + 09 + 12	09 + 09 + 09 + 09 + 12
	09 + 18	09 + 09 + 18	09 + 09 + 09 + 18	09 + 09 + 09 + 09 + 18
	09 + 24	09 + 09 + 24	09 + 09 + 09 + 24	09 + 09 + 09 + 12 + 12
	12 + 12	09 + 12 + 12	09 + 09 + 12 + 12	09 + 09 + 12 + 12 + 12
	12 + 18	09 + 12 + 18	09 + 09 + 12 + 18	-
	12 + 24	09 + 12 + 24	09 + 09 + 12 + 24	-
	18 + 18	09 + 18 + 18	09 + 09 + 18 + 18	-
	18 + 24	09 + 18 + 24	09 + 09 + 18 + 24	-
	24 + 24	09 + 24 + 24	09 + 12 + 12 + 12	-
	-	12 + 12 + 12	09 + 12 + 12 + 18	-
	-	12 + 12 + 18	09 + 12 + 12 + 24	-
	-	12 + 12 + 24	09 + 12 + 18 + 18	-
	-	12 + 18 + 18	09 + 12 + 18 + 24	-
	-	12 + 18 + 24	09 + 18 + 18 + 18	-
	-	18 + 18 + 18	12 + 12 + 12 + 12	-
-	-	12 + 12 + 12 + 18	-	

The combinations in red represent the combinations that offer 100% performance of the system in heating mode.

It is important that the sum power of the indoor units does not exceed 133% of the power of the outdoor unit.

## Legend for indoor units

Code	BTU/hr	Product # Indoor Unit
09	9000 BTU/hr	PUD09KCH25S-I
12	12000 BTU/hr	PUD12KCH24S-I
18	18000 BTU/hr	PUD18KCH23S-I
24	24000 BTU/hr	PUD24KCH24S-I





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