

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.



A variety of warranty programs for your peace of mind

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

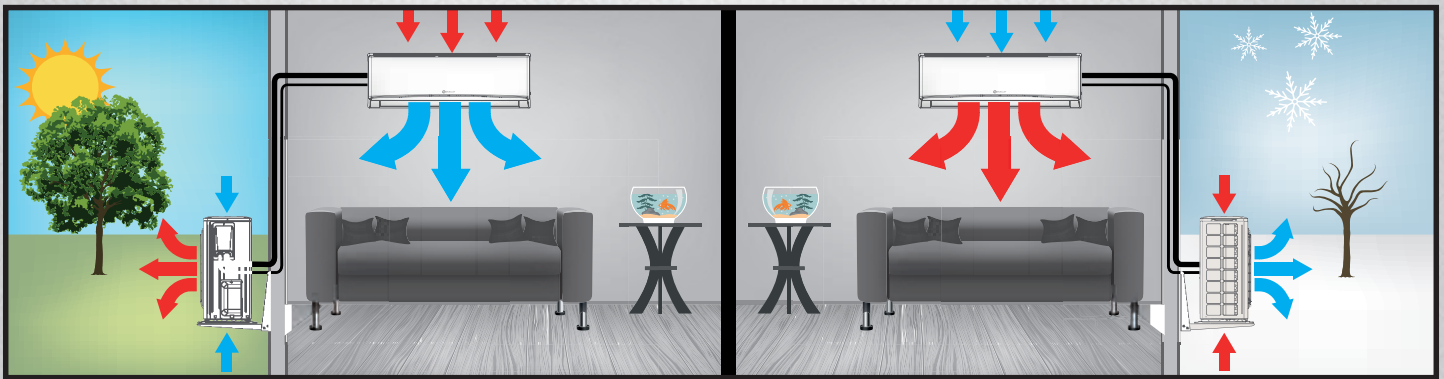
For greater peace of mind, a labour warranty is available (sold separately) for the 1st to 10th year, on parts and labour with system replacement if the compressor fails.

All heat pump systems must be installed and registered by a certified Ouellet installer to be covered by the basic warranty.



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:

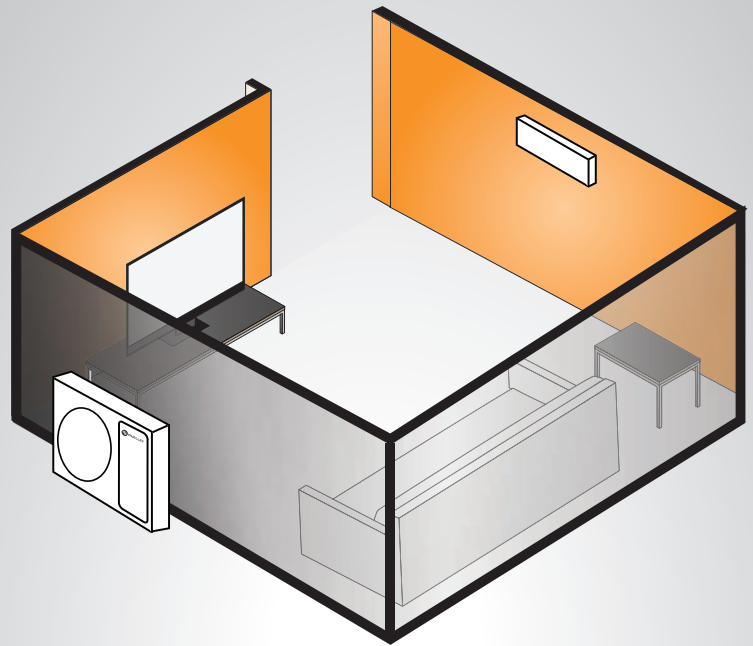
- They can be controlled individually and adapted to each room where they are located, thereby optimizing comfort while reducing energy consumption.
- They are more efficient because there is no energy loss due to air passing through ducts.
- They are perfect for retrofits where it's impossible or very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

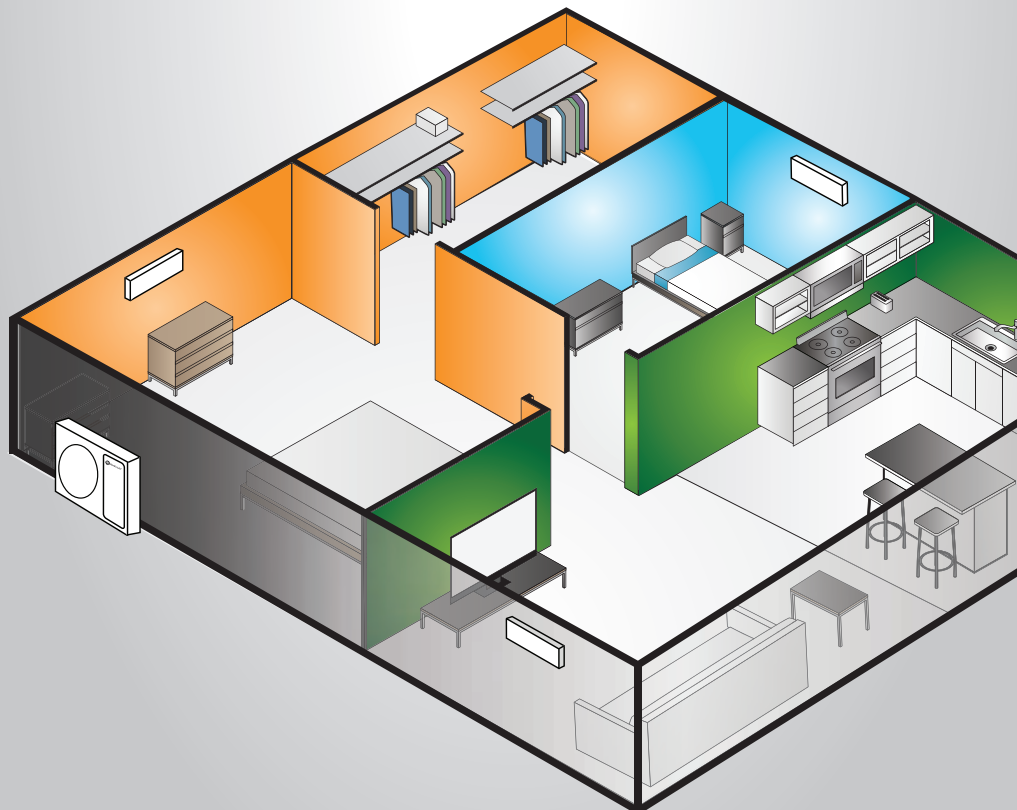
Single zone

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

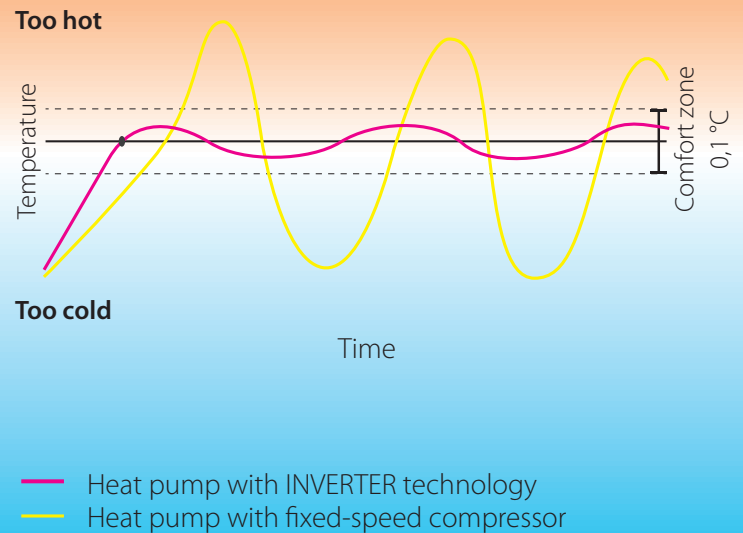
Unlike traditional, fixed-speed compressors that use a start/stop cycle, the variable-speed rotary compressor (INVERTER) in our units adjusts its speed to the minimum load required to maintain the desired temperature.

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.

	OTP-E Series Eagle	OTP-C Series Champagne	OTP-O Series Olympia	OTP-MZ Series Myriad Plus
				
SEER	19-16	23-18	38-21.5	22-21
HSPF	9-10	11-9	15-12	11.5-10.2
Heating performance up to	-20 °C (-4 °F)	-25 °C (-13 °F)	-30 °C (-22 °F)	-20 °C (-4 °F)
Cooling performance up to	-18 °C (0 °F)	-18 °C (0 °F)	-18 °C (0 °F)	-18 °C (0 °F)
ENERGY STAR	-	✓ ¹	✓	✓ ²
Fan speed	4 speeds	4 speeds	7 speeds	4 speeds
Smart pan heater	✓	✓	✓	✓
Compressor blanket and preheating technology	-	✓	✓	✓
Anti-corrosion fin coating	-	✓	✓	✓
Quiet design	-	✓	✓	✓
Smart defrosting	✓	✓	✓	✓
Smart preheating	✓	✓	✓	✓
Auto-restart	✓	✓	✓	✓
Auto-clean	✓	✓	✓	✓
Self-diagnosis	✓	✓	✓	✓
Sleep mode	-	-	✓	-
Turbo mode	✓	✓	✓	✓
Up & down auto swing	✓	✓	✓	✓
Left & right auto swing	-	-	✓	-
Timer	✓	✓	✓	✓
I Feel	✓	✓	✓	✓
Lock	✓	✓	✓	✓
Wi-Fi	Optional	Optional	✓	Optional
Wireless remote control	✓	✓	✓	✓
Wall controller	Optional	Optional	Optional	Optional
Basic warranty	10-year parts 10-year compressor	10-year parts 10-year compressor	10-year parts 10-year compressor	10-year parts 10-year compressor

¹ Except OCD30KCH18S and OCD36KCH18S.

² Except MPD42KCH21S-O.

Eagle Ductless Single Zone Heat Pump

OTP-E Series



BASIC WARRANTY
10 years
 PARTS &
 COMPRESSOR



Performance up to



Cooling



Heating

Up to

17 SEER
 IN COOLING

10 HSPF
 IN HEATING

Includes

Optional



Smart Pan Heater



Smart Defrosting



Smart Preheating



Auto Restart



Auto-Clean



Self-Diagnosis



Wall Controller



Turbo Mode



Up & Down Swing



Timer



I Feel



Lock



Wireless Remote



Wi-Fi

Eagle Models - OTP-E Series

Product # ¹	Indoor Unit	SED09KCH175-I	SED12KCH175-I	SED18KCH165-I	SED24KCH195-I	
	Outdoor Unit	SED09KCH175-O	SED12KCH175-O	SED18KCH165-O	SED24KCH195-O	
Technical Performance						
Voltage		Volts	230/208	230/208	230/208	
Cooling capacity	Nominal	W (BTU/hr)	2667 (9100)	3517 (12000)	5100 (17400)	6450 (22000)
	Min. – max.	W (BTU/hr)	720 - 2814 (2457 - 9600)	300 - 3700 (1024 - 12624)	1200 - 5800 (4094 - 20000)	1730 - 7400 (5900 - 25200)
Heating capacity	Nominal	W (BTU/hr)	2784 (9500)	3810 (13000)	5275 (18000)	7034 (24000)
	Min. – max.	W (BTU/hr)	720 - 3371 (2457 - 11500)	700 - 4000 (2388 - 13648)	1200 - 6200 (4100 - 21000)	1310 - 7600 (4500 - 25900)
Used cooling power input	Nominal	W	889	1297	2040	1950
	Min. – max.	W	185 - 1100	180 - 1500	200 - 2300	360 - 3000
Used heating power input	Nominal	W	774	1172	1758	2070
	Min. – max.	W	170-1350	260 - 1450	300 - 2400	330 - 2900
Used rated input		W	1350	1500	2400	2900
Rated current		A	6.3	6.5	10	11
MCA		A	10	9	15	19
Max. over-current protection (MOCP)		A	15	15	20	30
SEER		-	17	17	16	19
HSPF		-	9	9	9	10
EER		W/W	3	2.71	2.5	3.31
COP		W/W	3.6	3.25	3	3.4
AHRI number		-	205782700	205782701	205782702	205782703
Indoor Unit						
Dehumidification		pt/hr (l/hr)	1.69 (0.80)	2.96 (1.4)	3.8 (1.80)	4.23 (2.00)
Air flow volume	T / H / M / L ²	cfm	294 / 271 / 235 / 182	371 / 294 / 235 / 182	471 / 412 / 383 / 335	677 / 588 / 471 / 412
Sound level	T / H / M / L ²	dB (A)	49 / 47 / 43 / 36	52 / 49 / 44 / 38	57 / 54 / 50 / 45	59 / 55 / 51 / 47
Fan motor power output		W	20	20	60	30
Fan motor RLA		A	0.22	0.31	0.4	0.55
Deflector stepper motor power output		W	1.5	1.5	2.5	2.5
Net weight		lb (kg)	19.8 (9)	22 (10)	30 (13.5)	37.5 (17)
Outdoor Unit						
Air flow volume		cfm	-	-	-	-
Sound level		dB (A)	60	60	66	69
Compressor power input		W	790	1023	1440	1635
Compressor LRA		A	18	18	25	25
Compressor RLA		A	6.6	6.6	10.2	13
Fan motor power output		W	30	30	60	60
Fan motor RLA		A	0.37	0.37	0.7	0.65
Refrigerant volume (R410A)		oz (g)	24 (680)	28.2 (800)	42.3 (1200)	52.9 (1500)
Net weight		lb (kg)	58.4 (26.5)	63 (28.5)	87 (39.5)	97 (44)
Operating ambient temperature	Cooling	°C (°F)		-18 to 46 (0 to 115)		
	Heating	°C (°F)		-20 to 24 (-4 to 75)		
Connection Piping/Refrigerant						
Pre-charge length		ft. (m)	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)	0.5 (50)
Liquid pipe outer diameter		in.	1/4	1/4	1/4	1/4
Gas pipe outer diameter		in.	3/8	3/8	1/2	5/8
Maximum height difference		ft. (m)	33 (10)	33 (10)	33 (10)	33 (10)
Maximum total length		ft. (m)	49 (15)	66 (20)	82 (25)	82 (25)

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.

Champagne Ductless Single Zone Heat Pump

OTP-C Series



BASIC WARRANTY

10 years
PARTS &
COMPRESSOR



Except OCD30 & OCD36



Performance up to



Cooling



Heating

Up to

23 SEER
IN COOLING

10.5 HSPF
IN HEATING

Includes

Optional



Smart Pan
Heater



Crankcase
Heater



Fin
Coating



Quiet
Design



Smart
Defrosting



Smart
Preheating



Auto
Restart



Auto-Clean



Wall
Controller



Self-
Diagnosis



Turbo
Mode



Up & Down
Swing



Timer



I Feel



Lock



Wireless
Remote



Wi-Fi

Champagne Models - OTP-C Series

Product # ¹	Indoor Unit	OCD09KCH235-I	OCD12KCH225-I	OCD15KCH205-I	OCD18KCH205-I	OCD24KCH205-I	OCD30KCH185B-I	OCD36KCH185B-I	
	Outdoor Unit	OCD09KCH235-O	OCD12KCH225-O	OCD15KCH205-O	OCD18KCH205-O	OCD24KCH205-O	OCD30KCH185B-O	OCD36KCH185B-O	
Technical Performance									
Voltage	Volts	230/208	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 (20000)	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	2700	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	2800	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	4000	4300	
Rated current	A	6	6.3	12.56	12.56	14.5	17	20	
MCA	A	9	9	16	16	20	20	24	
Max. over-current protection (MOCP)	A	15	15	25	25	30	30	40	
SEER	-	23	22	20	20	20	18	18	
HSPF	-	10.5	10.1	11	10	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.

Olympia Ductless Single Zone Heat Pump

OTP-O Series



BASIC WARRANTY
10 years
 PARTS &
 COMPRESSOR



Performance up to



Cooling



Heating

Up to

38 SEER
 IN COOLING

15 HSPF
 IN HEATING

Includes

Optional



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

Olympia Models - OTP-O Series

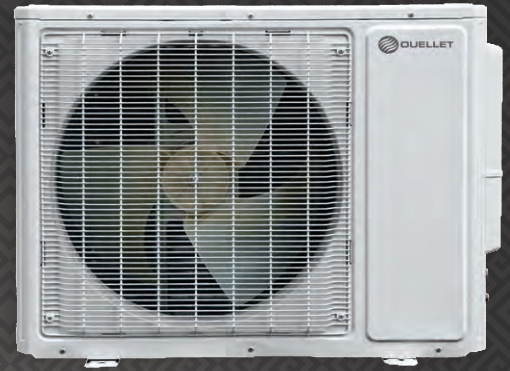
Product # ¹	Indoor Unit Outdoor Unit		UHD09KCH38SB-I UHD09KCH38SB-O	UHD12KCH31S-I UHD12KCH31S-O	UHD18KCH25S-I UHD18KCH25S-O	UHD24KCH22S-I UHD24KCH22S-O
Technical Performance						
Voltage		Volts	230/208	230/208	230/208	230/208
Cooling capacity	Nominal	W (BTU/hr)	2638 (9000)	3517 (12000)	5276 (18000)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

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

² 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



Except MPD42KCH21S-O

Performance up to



Cooling



Heating

Up to

22 SEER
 IN COOLING

11.5 HSPF
 IN HEATING

Includes

Optional



Smart Pan Heater



Crankcase Heater



Fin Coating



Quiet Design



Smart Defrosting



Smart Preheating



Auto Restart



Auto-Clean



Wall Controller



Self-Diagnosis



Turbo Mode



Up & Down Swing



Timer



I Feel



Lock



Wireless Remote



Wi-Fi

Outdoor Unit Myriad Plus Models - OTP-MZ Series

Product #		MPD18KCH225-O	MPD24KCH215-O	MPD30KCH215-O	MPD36KCH215-O	MPD42KCH215-O	
Technical Performance							
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)	5280 (18000)	7034 (24000)	8300 (28400)	9970 (34000)	11430 (39000)
	Min. – max.	W (BTU/hr)	2051 - 6155 (6998 - 21001)	2198 - 9672 (7500 - 33000)	2400 - 9800 (8189 - 33438)	2600 - 10500 (8871 - 35826)	2600 - 12000 (8871 - 40944)
Heating capacity	Nominal	W (BTU/hr)	5570 (19000)	7620 (26000)	8792 (30000)	12460 (42500)	13190 (45000)
	Min. – max.	W (BTU/hr)	2052 - 6624 (7000 - 22600)	2198 - 8200 (7500 - 27978)	2400 - 9500 (8188 - 32414)	2600 - 13000 (8871 - 44356)	2600 - 13500 (8871 - 46062)
Used cooling power input	Nominal	W	1440	1920	2280	2720	3740
Used heating power input	Nominal	W	1520	2050	2350	3370	3650
MCA		A	16	23	20	23	24
Max. over-current protection (MOCP)		A	25	30	30	35	40
SEER		-	22	21	21	21	21
HSPF		-	11	11	11.5	10.5	10.2
EER		W/W	12.5	12.5	12.5	12.5	10.43
COP		W/W	3.66	3.72	3.74	3.7	3.61
AHRi number		-	202110494	202110497	202110500	202110503	202110506
ENERGY STAR		-	✓	✓	✓	✓	-
Dimension	L x H x D	in. (mm)	38 x 27 9/16 x 15 5/8 (955 x 700 x 396)	38 9/16 x 31 1/8 x 17 5/16 (980 x 790 x 427)	38 7/16 x 31 x 17 5/16 (980 x 787 x 427)	42 1/2 x 43 7/16 x 17 5/16 (1080 x 1103 x 440)	42 1/2 x 43 7/16 x 17 5/16 (1080 x 1103 x 440)
Air flow volume		cfm	1883	2354	2354	4531	4531
Sound level		dB (A)	56	59	59	61	61
Compressor power input		W	1440	2550	4150	4150	4150
Compressor LRA		A	-	-	-	-	-
Compressor RLA		A	10.82	15.82	13.9	15.6	17.8
Fan motor power output		W	60	90	100	170	170
Fan motor RLA		A	0.62	0.59	0.68	0.82	0.82
Refrigerant volume (R410A)		oz (g)	56.5 (1600)	77.6 (2200)	98.8 (2800)	128.8 (3651)	128.8 (3651)
Net weight		lb (kg)	115 (52)	153 (69)	154 (70)	199 (90)	199 (90)
Performance up to	Cooling	°C (°F)			-18 to 48 (0 to 118)		-18 to 48 (0 to 118)
	Heating	°C (°F)			-20 to 24 (-4 to 75)		-20 to 30 (-4 to 86)
Connection Piping/Refrigerant							
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)	33 (10)	33 (10)	49 (15)	49 (15)	49 (15)
Max. height difference between indoor units		ft. (m)	33 (10)	33 (10)	25 (7.5)	25 (7.5)	25 (7.5)
Max. length outdoor to last indoor unit		ft. (m)	33 (10)	66 (20)	82 (25)	82 (25)	82 (25)
Max. total length		ft. (m)	66 (20)	197 (60)	230 (70)	246 (75)	246 (75)

Indoor Unit Myriad Plus Models - OTP-MZ Series

Product #		OCD09KCH235-I	OCD12KCH225-I	OCD18KCH205-I	OCD24KCH205-I	
Cooling capacity	Nominal	W (BTU/hr)	2638 (9000)	3517 (12000)	5275 (18000)	6448 (22000)
	Min. – max.	W (BTU/hr)	909 - 2813 (3100 - 9600)	909 - 3810 (3100 - 13000)	1993 - 5861 (6800 - 20000)	2000 - 8000 (6824 - 27296)
Heating capacity	Nominal	W (BTU/hr)	3224 (11000)	3810 (13000)	5803 (19800)	6741 (23000)
	Min. – max.	W (BTU/hr)	560 - 3517 (1911 - 12000)	703 - 4103 (2400 - 14000)	2151 - 6887 (7340 - 23500)	2000 - 9000 (6824 - 30708)
Dehumidification		pt/hr (l/hr)	1.69 (0.8)	2.96 (1.4)	3.8 (1.8)	4.23 (2)
Air flow volume	T / H / M / L ¹	cfm	377 / 288 / 241 / 170	400 / 288 / 241 / 171	559 / 488 / 412 / 335	706 / 647 / 589 / 530
Sound level	T / H / M / L ¹	dB (A)	43 / 39 / 35 / 29	45 / 39 / 35 / 29	47 / 43 / 40 / 39	48 / 44 / 40 / 36
Fan motor power output		W	20	20	60	60
Fan motor RLA		A	0.09	0.09	0.24	0.38
Deflector stepper motor power output		W	1.5	1.5	2.5	2.5
Net Weight		lb (kg)	22 (10)	22 (10)	28 (12.5)	34 (15.5)

¹ Cross-Flow Fan Speeds: (T) Turbo / (H) High / (M) Medium / (L) Low.
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:
MPD42KCH21S-O

Indoor unit combination chosen:
09 + 09 + 12 + 12 + 18



Note that each unit is individually packaged.

Combination Table Myriad Plus¹ - OTP-MZ Series

Outdoor Unit	2 Indoor Units
MPD18KCH22S-O	09 + 09
	09 + 12
	12 + 12

Outdoor Unit	2 Indoor Units	3 Indoor Units
MPD24KCH21S-O	09 + 09	09 + 09 + 09
	09 + 12	09 + 09 + 12
	09 + 15	09 + 09 + 15
	09 + 18	09 + 09 + 18
	12 + 12	09 + 12 + 12
	12 + 15	09 + 12 + 15
	12 + 18	12 + 12 + 12
	15 + 15	-
	15 + 18	-
	18 + 18	-

Outdoor Unit	2 Indoor Units	3 unités intérieures	4 Indoor Units
MPD30KCH21S-O	09 + 09	09 + 09 + 09	09 + 09 + 09 + 09
	09 + 12	09 + 09 + 12	09 + 09 + 09 + 12
	09 + 15	09 + 09 + 15	09 + 09 + 09 + 15
	09 + 18	09 + 09 + 18	09 + 09 + 09 + 18
	12 + 12	09 + 12 + 12	09 + 09 + 12 + 12
	12 + 15	09 + 12 + 15	09 + 09 + 12 + 15
	12 + 18	09 + 12 + 18	-
	15 + 15	12 + 12 + 12	-
	15 + 18	12 + 12 + 15	-
	18 + 18	12 + 12 + 18	-

Outdoor Unit	2 Indoor Units	3 Indoor Units	4 Indoor Units	5 Indoor Units
MPD36KCH21S-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 + 15	09 + 09 + 15	09 + 09 + 09 + 15	09 + 09 + 09 + 09 + 15
	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	-
	12 + 15	09 + 12 + 15	09 + 09 + 12 + 15	-
	12 + 18	09 + 12 + 18	09 + 09 + 12 + 18	-
	12 + 24	09 + 12 + 24	09 + 09 + 12 + 24	-
	18 + 18	09 + 15 + 15	09 + 09 + 15 + 15	-
	18 + 24	09 + 15 + 18	09 + 09 + 15 + 18	-
	24 + 24	09 + 15 + 24	09 + 09 + 18 + 18	-
	-	09 + 18 + 18	09 + 12 + 12 + 12	-
	-	09 + 18 + 24	09 + 12 + 12 + 15	-
	-	12 + 12 + 12	09 + 12 + 12 + 18	-
	-	12 + 12 + 18	09 + 15 + 15 + 15	-
	-	12 + 12 + 24	12 + 12 + 12 + 12	-
	-	12 + 15 + 15	12 + 12 + 12 + 15	-
	-	12 + 15 + 18	12 + 12 + 12 + 18	-
	-	12 + 15 + 24	-	-
	-	12 + 18 + 18	-	-
	-	12 + 18 + 24	-	-
	-	15 + 15 + 15	-	-
	-	15 + 15 + 18	-	-
	-	15 + 15 + 24	-	-
	-	15 + 18 + 18	-	-
	-	18 + 18 + 18	-	-
	-	18 + 18 + 18	-	-

Outdoor Unit	2 Indoor Units	3 Indoor Units	4 Indoor Units	5 Indoor Units
MPD42KCH21S-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 + 15	09 + 09 + 15	09 + 09 + 09 + 15	09 + 09 + 09 + 09 + 15
	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 + 09 + 24
	12 + 12	09 + 12 + 12	09 + 09 + 12 + 12	09 + 09 + 09 + 12 + 12
	12 + 15	09 + 12 + 15	09 + 09 + 12 + 15	09 + 09 + 09 + 12 + 15
	12 + 18	09 + 12 + 18	09 + 09 + 12 + 18	09 + 09 + 09 + 12 + 18
	12 + 24	09 + 12 + 24	09 + 09 + 12 + 24	09 + 09 + 09 + 12 + 24
	15 + 15	09 + 15 + 15	09 + 09 + 15 + 15	09 + 09 + 09 + 18 + 18
	15 + 18	09 + 15 + 18	09 + 09 + 15 + 18	09 + 09 + 12 + 12 + 12
	15 + 24	09 + 15 + 24	09 + 09 + 15 + 24	09 + 09 + 12 + 12 + 15
	18 + 18	09 + 18 + 18	09 + 09 + 18 + 18	09 + 09 + 12 + 12 + 18
	18 + 24	09 + 18 + 24	09 + 09 + 18 + 24	09 + 12 + 12 + 12 + 12
	24 + 24	09 + 24 + 24	09 + 12 + 12 + 12	09 + 12 + 12 + 12 + 15
	-	12 + 12 + 12	09 + 12 + 12 + 15	09 + 12 + 12 + 12 + 18
	-	12 + 12 + 15	09 + 12 + 12 + 18	12 + 12 + 12 + 12 + 12
	-	12 + 12 + 18	09 + 12 + 12 + 24	12 + 12 + 12 + 12 + 12
	-	12 + 12 + 24	09 + 12 + 15 + 15	-
	-	12 + 15 + 15	09 + 12 + 15 + 18	-
	-	12 + 15 + 18	09 + 12 + 15 + 24	-
	-	12 + 15 + 24	09 + 12 + 18 + 18	-
	-	12 + 18 + 18	09 + 12 + 18 + 24	-
	-	12 + 18 + 24	09 + 18 + 18 + 18	-
	-	12 + 24 + 24	12 + 12 + 12 + 12	-
	-	15 + 15 + 15	12 + 12 + 12 + 15	-
	-	15 + 15 + 18	12 + 12 + 12 + 18	-
	-	15 + 15 + 24	12 + 12 + 12 + 24	-
-	18 + 18 + 18	12 + 12 + 15 + 15	-	
-	-	12 + 12 + 15 + 18	-	
-	-	12 + 12 + 18 + 18	-	

¹ All combinations are ENERGY STAR qualified, except ones with outdoor unit MPD42KCH21S-O. The combinations in red represent the combinations that offer 100% performance of the system in heating mode.

Legend for indoor units

Code	BTU/hr	Product # Indoor Unit
09	9000 BTU/hr	OCD09KCH23S-I
12	12000 BTU/hr	OCD12KCH22S-I
15	15000 BTU/hr	OCD15KCH20S-I
18	18000 BTU/hr	OCD18KCH20S-I
24	24000 BTU/hr	OCD24KCH20S-I



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