

# OTP

## Options

Product # Kit	Description
OTP-WBRC-OCD	Wall bracket for wireless remote control, OTP-C series
OTP-WBRC-SED	Wall bracket for wireless remote control, OTP-E series
OTP-WBRC-UHD	Wall bracket for wireless remote control, OTP-O series
KIT-WIFI	Wi-Fi kit, OTP-C, OTP-E, OTP-MZ series
KIT-WIFI-SED09KCH17S	Wi-Fi kit for SED09KCH17S unit, OTP-E series
OTP-XK76	Programmable wired wall controller
HP6000ZB-GE <sup>1,2</sup>	Ductless heat pump smart interface, OTP-C, OTP-E, OTP-O series
GT130 <sup>1</sup>	Smart gateway that provides remote access to the HP6000ZB-GE
<b>Insulated copper line</b>	
CO50381438W	3/8" and 1/4" insulated copper line set kit, 50' long
CO50121438W	1/2" and 1/4" insulated copper line set kit, 50' long
CO50581438W	5/8" and 1/4" insulated copper line set kit, 50' long
CO50583838W	5/8" and 3/8" insulated copper line set kit, 50' long
CO1641438W	1/4" insulated copper line, 164' long
CO1643838W	3/8" insulated copper line, 164' long
CO1641238W	1/2" insulated copper line, 164' long
CO1645838W	5/8" insulated copper line, 164' long
<b>Wall bracket</b>	
SV-ALBR2416	2 aluminum wall brackets 24" X 16", sold in boxes of 10 pairs
SV-ALBR3016	2 aluminum wall brackets 30" X 16", sold in boxes of 6 pairs
<b>Ground stand</b>	
SV-ALGS1426	Aluminum ground stand 14 1/4" X 26"
SV-ALGS1430	Aluminum ground stand 14 1/4" X 30"
SV-ALGS1727-3	Aluminum ground stand 17 1/8" X 27" (2" X 3" Angle)
<b>No-kink drain line</b>	
SV-NKDL58L50	No-kink drain line 5/8", 165' long

<sup>1</sup> Standard color is black.

<sup>2</sup> Requires the use of the GT130 smart gateway.



Insulated copper line



Wall brackets



Ground stand



No kink drain line

# OTP-C Champagne Ductless Single Zone Heat Pump



Indoor Unit



Outdoor Unit

## Performance up to



Cooling



Heating

## Up to



(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).

### 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

Product # <sup>1</sup>	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	
<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)	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)
<b>Heating capacity</b>	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)
<b>Used cooling power input</b>	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
<b>Used heating power input</b>	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
<b>Used rated input</b>		W	1350	1400	3000	3000	3000	4300	
<b>Rated current</b>		A	6	6.3	12.56	12.56	14.5	20	
<b>MCA</b>		A	9	9	16	16	20	24	
<b>Max. over-current protection (MOCP)</b>		A	15	15	25	25	30	40	
<b>SEER</b>		-	23	22	20	20	18	18	
<b>HSPF</b>		-	10.5	11	11	10	9	9	
<b>EER</b>		W/W	4.19	3.66	3.7	3.68	3.66	3.04	2.4
<b>COP</b>		W/W	3.16	3.46	3.4	3.35	3.37	2.97	2.67
<b>AHRI number</b>		-	201863350	201863351	-	201863352	201863353	202110509	202110510
<b>ENERGY STAR</b>		-	✓	✓	✓	✓	✓	-	-

<b>Indoor Unit</b>									
<b>Dehumidification</b>		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)
<b>Air flow volume</b>	T / H / M / L <sup>2</sup>	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
<b>Sound level</b>	T / H / M / L <sup>2</sup>	dB (A)	43 / 39 / 35 / 29	45 / 39 / 35 / 29	49 / 44 / 41 / 36	47 / 43 / 40 / 39	48 / 44 / 40 / 36	-	-
<b>Fan motor power output</b>		W	20	20	60	60	60	70	70
<b>Fan motor RLA</b>		A	0.09	0.09	0.24	0.24	0.38	0.4	0.4
<b>Deflector stepper motor power output</b>		W	1.5	1.5	2.5	2.5	2.5	1.5	1.5
<b>Net weight</b>		lb (kg)	22 (10)	22 (10)	30 (13.5)	28 (12.5)	34 (15.5)	42 (19)	42 (19)

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

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

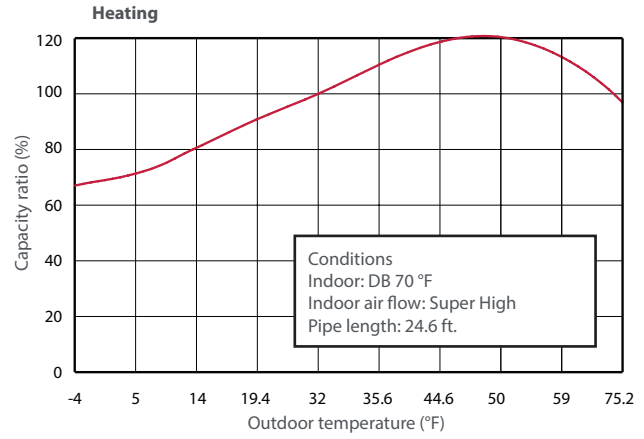
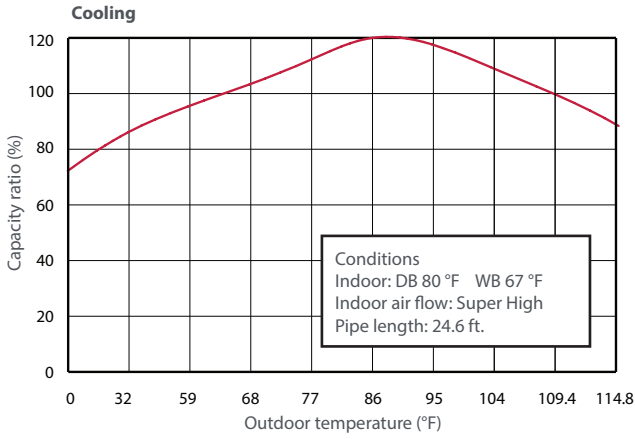
<sup>2</sup> Cross-Flow Fan Speeds: (T) Turbo / (H) High / (M) Medium / (L) Low.

**Options**

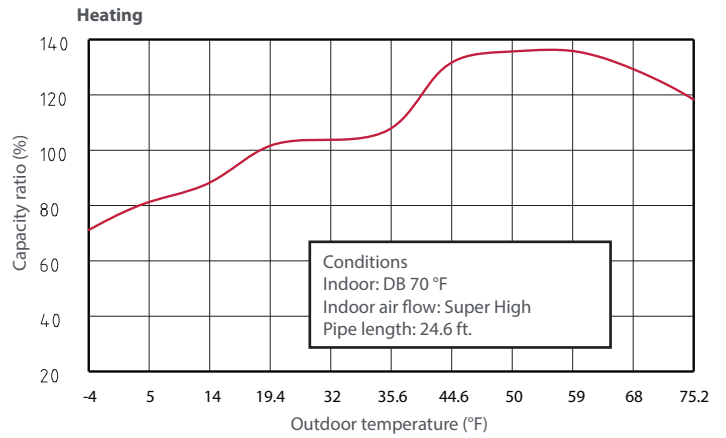
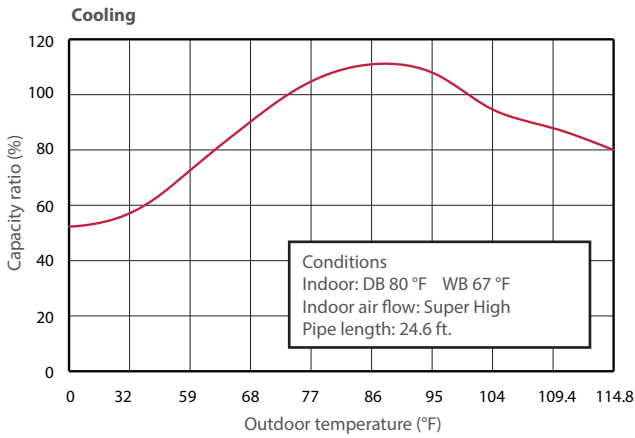
See OTP Options section

Capacity Variation Ratio According to Temperature

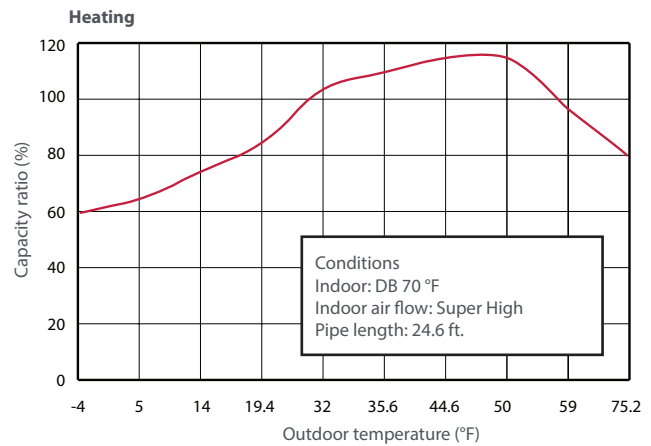
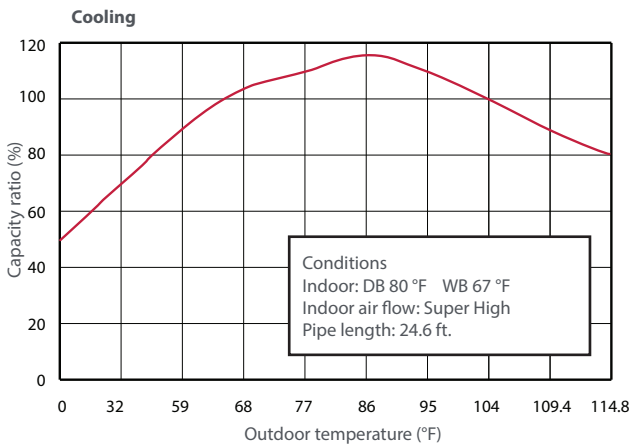
OCD09 & OCD12



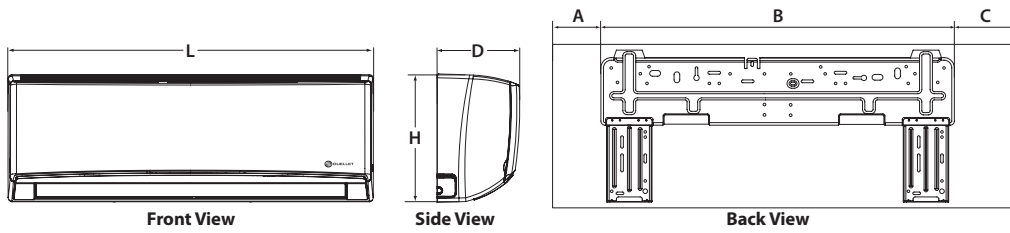
OCD15, OCD18 & OCD24



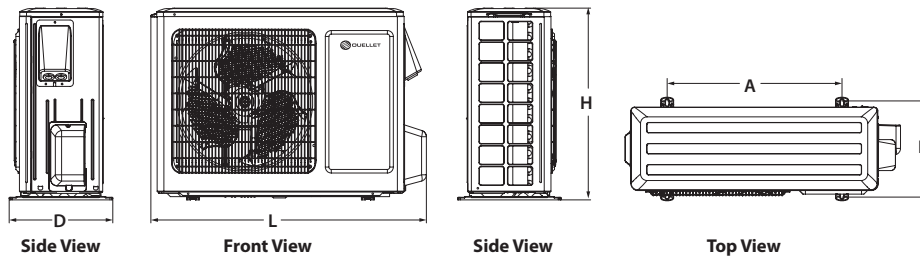
OCD30 & OCD36



**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		845	11 3/8	289	8 1/4	209	4 11/16	119	21 5/16	542	7 1/4	184
OCD15KCH205-I		970	11 13/16	300	8 13/16	224	4	102	27	686	7 3/16	183
OCD18KCH205-I		970	11 13/16	300	8 13/16	224	4	102	27	686	7 3/16	183
OCD24KCH205-I		1078	12 13/16	325	9 11/16	246	8 1/8	206	27	686	7 5/16	186
OCD30KCH185-I		1350	12 13/16	325	9 31/32	253	8 1/8	206	27	686	7 5/16	186
OCD36KCH185-I		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		848	21 1/4	540	12 5/8	320	21 1/4	540	11 1/4	286
OCD12KCH225-O		848	23 5/16	592	12 5/8	320	21 1/4	540	11 1/4	286
OCD15KCH205-O		955	27 9/16	700	15 9/16	396	22	559	14 5/16	364
OCD18KCH205-O		955	27 9/16	700	15 9/16	396	22	559	14 5/16	364
OCD24KCH205-O		980	31 1/8	790	16 13/16	427	24	610	15 9/16	395
OCD30KCH185-O		980	31 1/8	790	16 13/16	427	24	610	15 9/16	395
OCD36KCH185-O		980	31 1/8	790	16 13/16	427	24	610	15 9/16	395

# OTP

## Options

Product # Kit	Description
OTP-WBRC-OCD	Wall bracket for wireless remote control, OTP-C series
OTP-WBRC-SED	Wall bracket for wireless remote control, OTP-E series
OTP-WBRC-UHD	Wall bracket for wireless remote control, OTP-O series
KIT-WIFI	Wi-Fi kit, OTP-C, OTP-E, OTP-MZ series
KIT-WIFI-SED09KCH17S	Wi-Fi kit for SED09KCH17S unit, OTP-E series
OTP-XK76	Programmable wired wall controller
HP6000ZB-GE <sup>1,2</sup>	Ductless heat pump smart interface, OTP-C, OTP-E, OTP-O series
GT130 <sup>1</sup>	Smart gateway that provides remote access to the HP6000ZB-GE
<b>Insulated copper line</b>	
CO50381438W	3/8" and 1/4" insulated copper line set kit, 50' long
CO50121438W	1/2" and 1/4" insulated copper line set kit, 50' long
CO50581438W	5/8" and 1/4" insulated copper line set kit, 50' long
CO50583838W	5/8" and 3/8" insulated copper line set kit, 50' long
CO1641438W	1/4" insulated copper line, 164' long
CO1643838W	3/8" insulated copper line, 164' long
CO1641238W	1/2" insulated copper line, 164' long
CO1645838W	5/8" insulated copper line, 164' long
<b>Wall bracket</b>	
SV-ALBR2416	2 aluminum wall brackets 24" X 16", sold in boxes of 10 pairs
SV-ALBR3016	2 aluminum wall brackets 30" X 16", sold in boxes of 6 pairs
<b>Ground stand</b>	
SV-ALGS1426	Aluminum ground stand 14 1/4" X 26"
SV-ALGS1430	Aluminum ground stand 14 1/4" X 30"
SV-ALGS1727-3	Aluminum ground stand 17 1/8" X 27" (2" X 3" Angle)
<b>No-kink drain line</b>	
SV-NKDL58L50	No-kink drain line 5/8", 165' long

<sup>1</sup> Standard color is black.

<sup>2</sup> Requires the use of the GT130 smart gateway.



Insulated copper line



Wall brackets



Ground stand

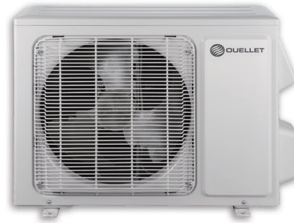


No kink drain line

# OTP-E Eagle Ductless Single Zone Heat Pump



Indoor Unit



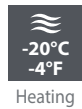
Outdoor Unit



## Performance up to



Cooling



Heating

## Up to



## Features

### Operation mode

- Cooling, heating, dehumidifying, fan and auto.

### Nominal capacity

- 9000, 12000, 18000, 24000 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 (auto, 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.
- Installation on aluminum wall bracket or ground stand (optional).

### Connection piping

- Minimum piping length of 10 ft. (3 m).
- External liquid pipe diameter: 1/4".
- External gas pipe diameter: 3/8" to 5/8".
- 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).

### Application

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

## Includes



Smart Pan Heater



Smart Defrosting



Smart Preheating



Auto Restart



Auto-Clean



Self-Diagnosis



Wall Controller



Turbo



Up & Down



Timer



I Feel



Lock



Wireless



Wi-Fi

## Optional

Product # <sup>1</sup>	Indoor Unit Outdoor Unit	SED09KCH17S-I SED09KCH17S-O	SED12KCH17S-I SED12KCH17S-O	SED18KCH16S-I SED18KCH16S-O	SED24KCH19S-I SED24KCH19S-O	
<b>Technical Performance</b>						
<b>Voltage</b>		Volts	230/208	230/208	230/208	
<b>Cooling capacity</b>	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)
<b>Heating capacity</b>	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)
<b>Used cooling power input</b>	Nominal	W	889	1297	2040	1950
	Min. – max.	W	185 - 1100	180 - 1500	200 - 2300	360 - 3000
<b>Used heating power input</b>	Nominal	W	774	1172	1758	2070
	Min. – max.	W	170-1350	260 - 1450	300 - 2400	330 - 2900
<b>Used rated input</b>		W	1350	1500	2400	2900
<b>Rated current</b>		A	6.3	6.5	10	11
<b>MCA</b>		A	10	9	15	19
<b>Max. over-current protection (MOCP)</b>		A	15	15	20	30
<b>SEER</b>		-	17	17	16	19
<b>HSPF</b>		-	9	9	9	10
<b>EER</b>		W/W	3	2.71	2.5	3.31
<b>COP</b>		W/W	3.6	3.25	3	3.4
<b>AHRI number</b>		-	205782700	205782701	205782702	205782703
<b>Indoor Unit</b>						
<b>Dehumidification</b>		pt/hr (l/hr)	1.69 (0.80)	2.96 (1.4)	3.8 (1.80)	4.23 (2.00)
<b>Air flow volume</b>	T / H / M / L <sup>2</sup>	cfm	294 / 271 / 235 / 182	371 / 294 / 235 / 182	471 / 412 / 383 / 335	677 / 588 / 471 / 412
<b>Sound level</b>	T / H / M / L <sup>2</sup>	dB (A)	49 / 47 / 43 / 36	52 / 49 / 44 / 38	57 / 54 / 50 / 45	59 / 55 / 51 / 47
<b>Fan motor power output</b>		W	20	20	60	30
<b>Fan motor RLA</b>		A	0.22	0.31	0.4	0.55
<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)	22 (10)	30 (13.5)	37.5 (17)
<b>Outdoor Unit</b>						
<b>Air flow volume</b>		cfm	-	-	-	-
<b>Sound level</b>		dB (A)	60	60	66	69
<b>Compressor power input</b>		W	790	1023	1440	1635
<b>Compressor LRA</b>		A	18	18	25	25
<b>Compressor RLA</b>		A	6.6	6.6	10.2	13
<b>Fan motor power output</b>		W	30	30	60	60
<b>Fan motor RLA</b>		A	0.37	0.37	0.7	0.65
<b>Refrigerant volume (R410A)</b>		oz (g)	24 (680)	28.2 (800)	42.3 (1200)	52.9 (1500)
<b>Net weight</b>		lb (kg)	58.4 (26.5)	63 (28.5)	87 (39.5)	97 (44)
<b>Operating ambient temperature</b>	Cooling	°C (°F)	-18 to 46 (0 to 115)			
	Heating	°C (°F)	-20 to 24 (-4 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)	33 (10)	33 (10)	33 (10)	33 (10)
<b>Maximum total length</b>		ft. (m)	49 (15)	66 (20)	82 (25)	82 (25)

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

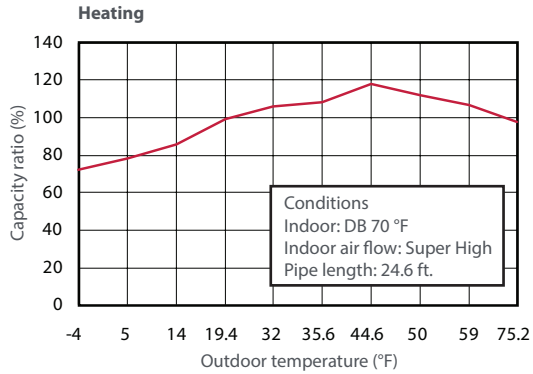
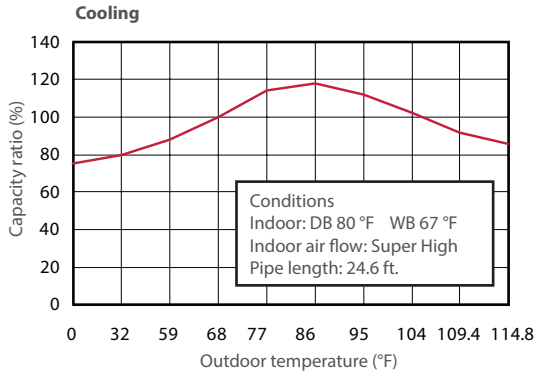
<sup>2</sup> Cross-Flow Fan Speeds: (T) Turbo / (H) High / (M) Medium / (L) Low.

## Options

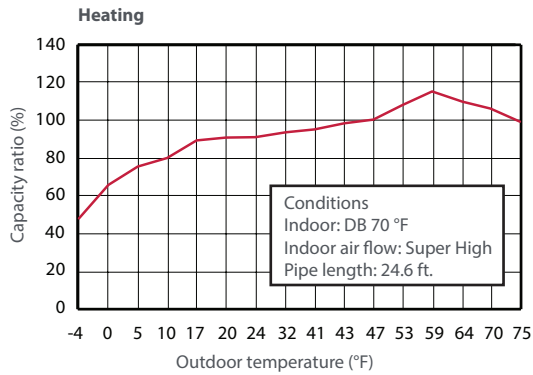
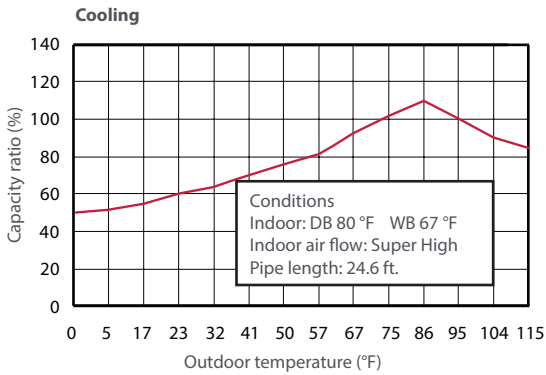
See OTP Options section

Capacity Variation Ratio According to Temperature

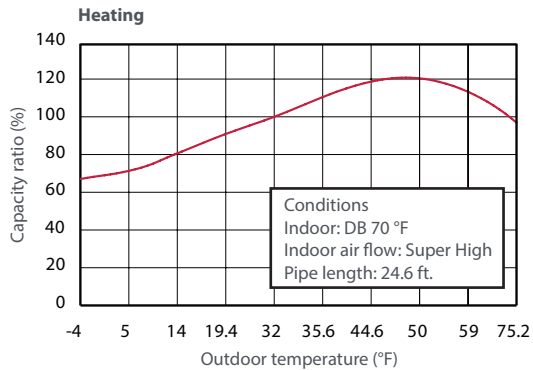
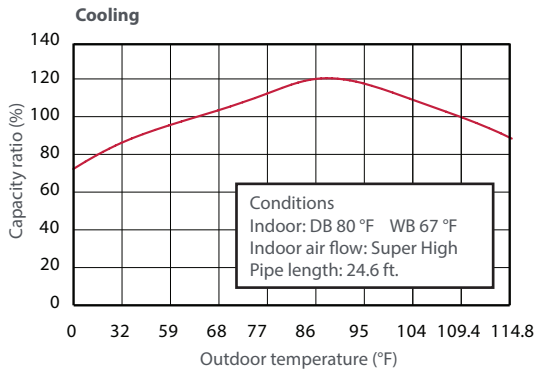
SED09



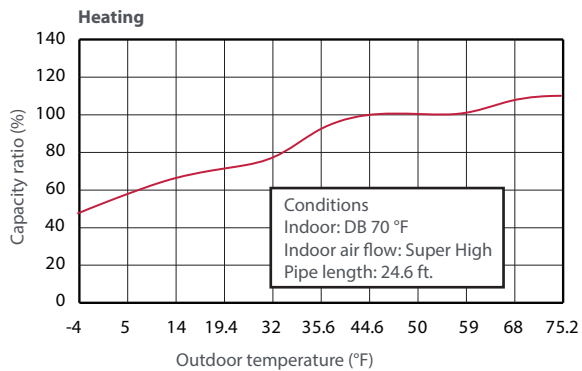
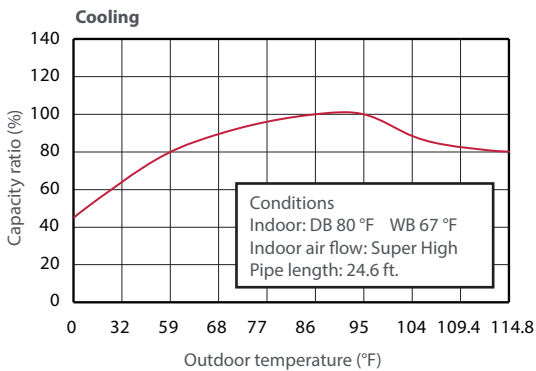
SED12



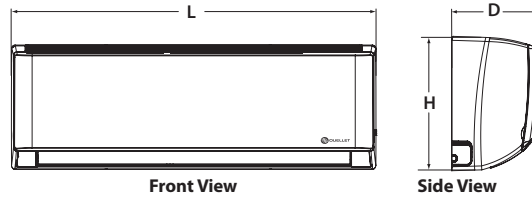
SED18



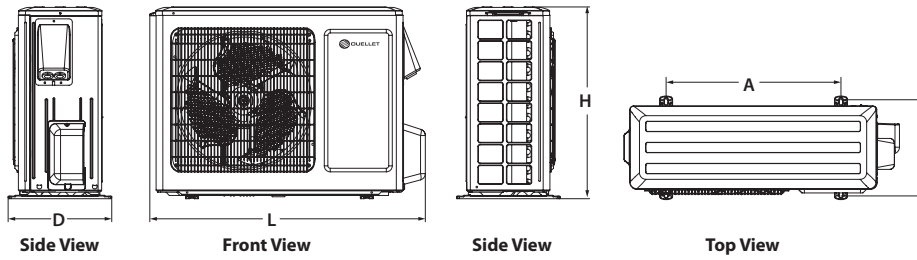
SED24



**Indoor Unit**



**Outdoor Unit**



Indoor Unit	L		H		D	
	in.	mm	in.	mm	in.	mm
SED09KCH17S-I	31 1/8	790	10 13/16	275	7 7/8	200
SED12KCH17S-I	33 1/4	845	11 3/8	289	7 7/8	209
SED18KCH16S-I	38 3/16	970	11 13/16	300	8 13/16	224
SED24KCH19S-I	42 7/16	1078	12 13/16	325	9 11/16	246

Outdoor Unit	L		H		D		A		B	
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
SED09KCH17S-O	30 13/16	782	21 1/4	540	12 5/8	320	21 1/4	540	11 1/4	286
SED12KCH17S-O	30 13/16	782	21 1/4	540	12 5/8	320	21 1/4	540	11 1/4	286
SED18KCH16S-O	35 15/16	912	25 7/16	646	14 11/16	373	22	559	14 5/16	364
SED24KCH19S-O	38 9/16	980	31 1/8	790	16 13/16	427	24	610	15 9/16	395

# OTP

## Options

Product # Kit	Description
OTP-WBRC-OCD	Wall bracket for wireless remote control, OTP-C series
OTP-WBRC-SED	Wall bracket for wireless remote control, OTP-E series
OTP-WBRC-UHD	Wall bracket for wireless remote control, OTP-O series
KIT-WIFI	Wi-Fi kit, OTP-C, OTP-E, OTP-MZ series
KIT-WIFI-SED09KCH17S	Wi-Fi kit for SED09KCH17S unit, OTP-E series
OTP-XK76	Programmable wired wall controller
HP6000ZB-GE <sup>1,2</sup>	Ductless heat pump smart interface, OTP-C, OTP-E, OTP-O series
GT130 <sup>1</sup>	Smart gateway that provides remote access to the HP6000ZB-GE
<b>Insulated copper line</b>	
CO50381438W	3/8" and 1/4" insulated copper line set kit, 50' long
CO50121438W	1/2" and 1/4" insulated copper line set kit, 50' long
CO50581438W	5/8" and 1/4" insulated copper line set kit, 50' long
CO50583838W	5/8" and 3/8" insulated copper line set kit, 50' long
CO1641438W	1/4" insulated copper line, 164' long
CO1643838W	3/8" insulated copper line, 164' long
CO1641238W	1/2" insulated copper line, 164' long
CO1645838W	5/8" insulated copper line, 164' long
<b>Wall bracket</b>	
SV-ALBR2416	2 aluminum wall brackets 24" X 16", sold in boxes of 10 pairs
SV-ALBR3016	2 aluminum wall brackets 30" X 16", sold in boxes of 6 pairs
<b>Ground stand</b>	
SV-ALGS1426	Aluminum ground stand 14 1/4" X 26"
SV-ALGS1430	Aluminum ground stand 14 1/4" X 30"
SV-ALGS1727-3	Aluminum ground stand 17 1/8" X 27" (2" X 3" Angle)
<b>No-kink drain line</b>	
SV-NKDL58L50	No-kink drain line 5/8", 165' long

<sup>1</sup> Standard color is black.

<sup>2</sup> Requires the use of the GT130 smart gateway.



Insulated copper line



Wall brackets



Ground stand

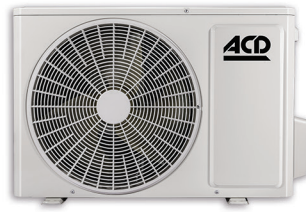


No kink drain line

# OTP-H Harmony Ductless Single Zone Heat Pump



Indoor Unit



Outdoor Unit



## Performance up to



Cooling



Heating

## Up to



## Features

### Operation mode

- Cooling, heating, dehumidifying, fan and auto.

### Nominal capacity

- 9000, 12000, 18000, 24000 BTU/hr.

### Voltage

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

### Indoor unit

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

### 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



Sleep Mode



Turbo Mode



Up & Down Swing



Left & Right Swing



Timer



I Feel



Lock



Wireless Remote



Wi-Fi

## Optional



Wall Controller

# OTP-H

## Models

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	587	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)	33 (10)	33 (10)	33 (10)	82 (25)
<b>Maximum total length</b>		ft. (m)	66 (20)	66 (20)	82 (25)	82 (25)

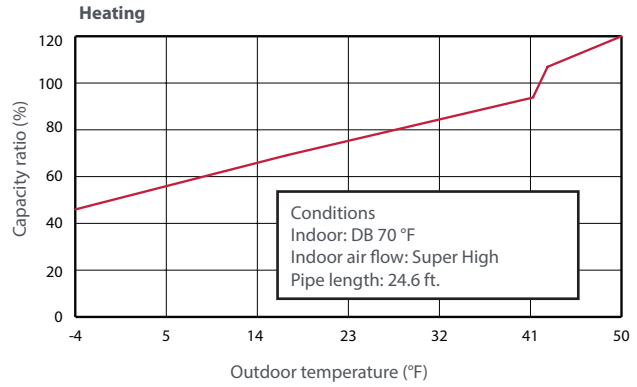
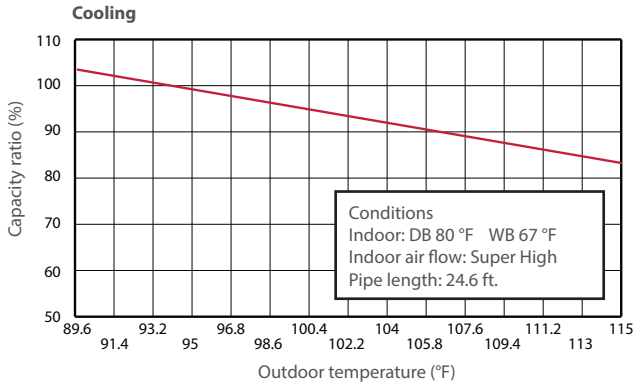
<sup>1</sup> 1 indoor unit and 1 outdoor unit. Note that each unit is individually packaged.

## Options

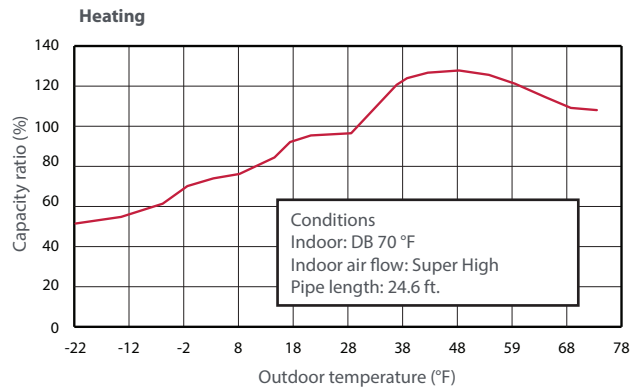
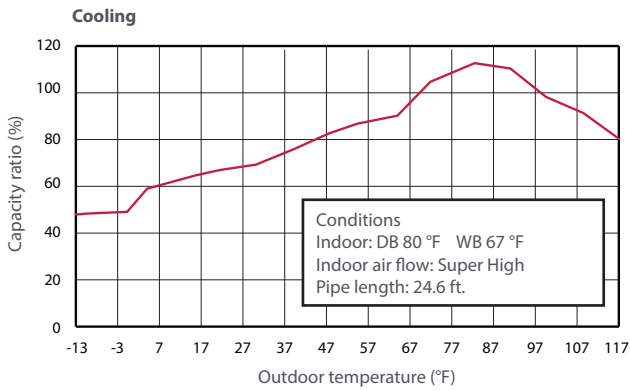
See OTP Options section

Capacity Variation Ratio According to Temperature

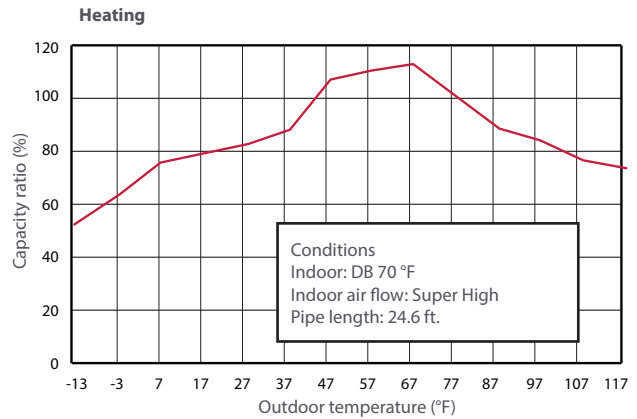
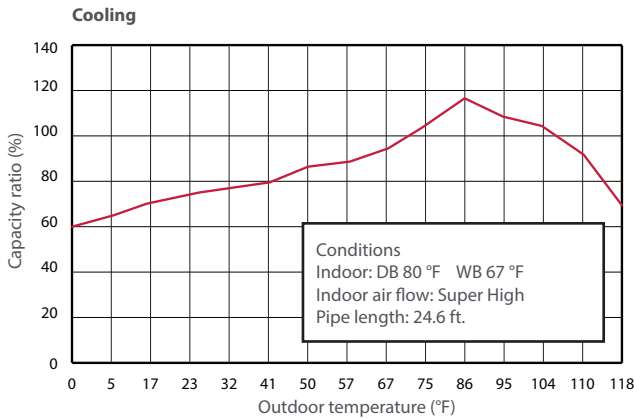
CHD09



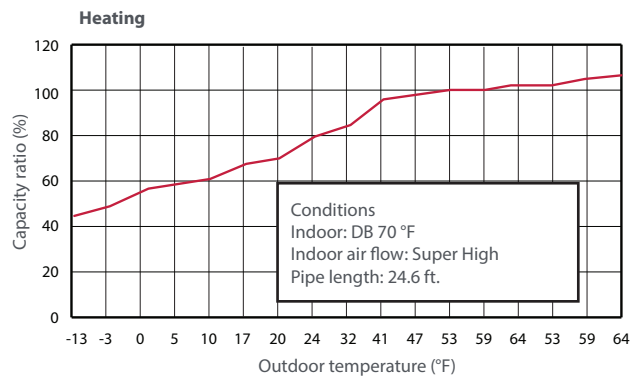
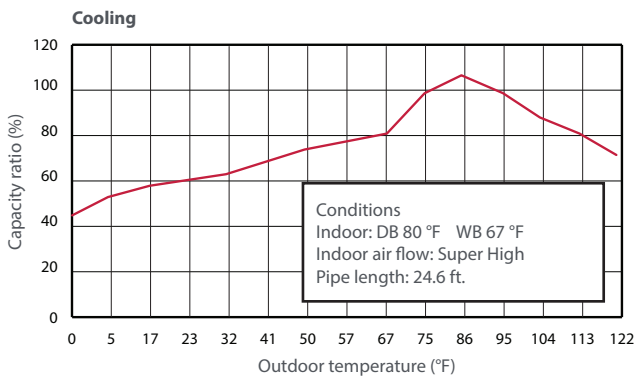
CHD12



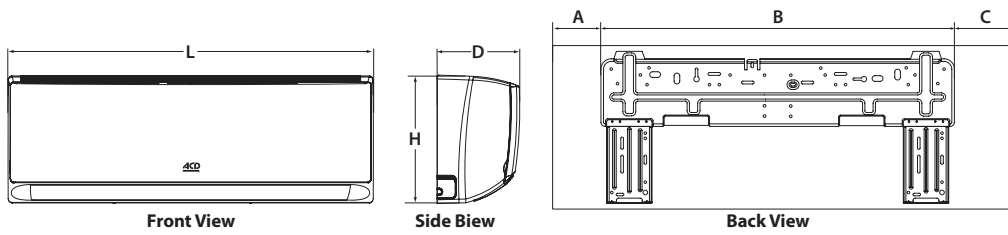
CHD18



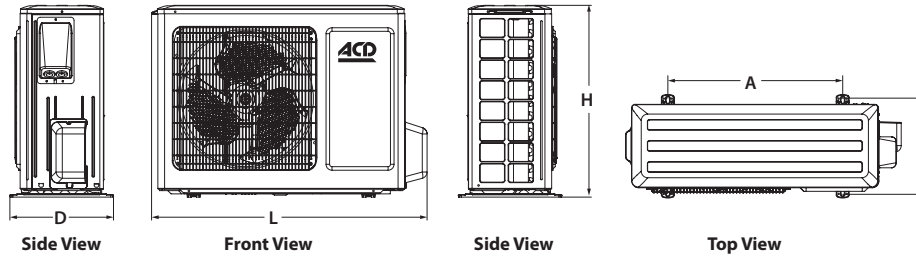
CHD24



**Indoor Unit**



**Outdoor Unit**



Indoor Unit	L		H		D		A		B		C	
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
CHD09KCH19S-I CHD12KCH17S-I	32 7/8	835	10 7/8	275	7 7/8	200	7 1/16	119	18 5/32	542	7 11/16	184
CHD18KCH17S-I	37 1/8	943	13 1/8	333	9 11/16	246	7 17/32	102	22 1/16	686	7 1/2	183
CHD24KCH18S-I	42 7/16	1078	13 1/8	333	9 11/16	246	10 3/16	206	22 1/16	686	10 5/32	186

Outdoor Unit	L		H		D		A		B	
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
CHD09KCH19S-O CHD12KCH17S-O	28 13/16	732	21 54/64	555	13	330	17 15/16	540	12 3/16	286
CHD18KCH17S-O	31 37/64	802	21 54/64	555	13 50/64	350	20 5/32	559	13 2/32	364
CHD24KCH18S-O	37 3/4	958	26	660	15 53/64	402	22 13/32	610	14 19/32	395

# OTP-MZ Myriad Plus Ductless Multizone Heat Pump



Indoor Units



Outdoor Unit



## Performance up to



-18°C  
0°F

Cooling



-20°C  
-4°F

Heating

## Up to



(except MPD42KCH21S-0)

## Features

### Operation mode

- Cooling, heating, dehumidifying, fan and auto.

### Nominal capacity

- 18000, 24000, 30000, 36000, 42000 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 with each indoor unit.
- Wired wall controller available.
- Wi-Fi capability (option KIT-WIFI 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).

### 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



Wall Controller



Self-Diagnosis



Turbo Mode



Up & Down Swing



Timer



I Feel



Lock



Wireless Remote



Wi-Fi

## Optional

Outdoor Unit Models

Product #		MPD18KCH22S-O	MPD24KCH21S-O	MPD30KCH21S-O	MPD36KCH21S-O	MPD42KCH21S-O		
<b>Technical Performance</b>								
<b>Number of connectable indoor unit</b>		-	1 to 2	2 to 3	2 to 4	2 to 5		
<b>Voltage</b>		Volts	230/208	230/208	230/208	230/208		
<b>Cooling capacity</b>	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)	
<b>Heating capacity</b>	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)	
<b>Used cooling power input</b>		Nominal	W	1440	1920	2280	2720	3740
<b>Used heating power input</b>		Nominal	W	1520	2050	2350	3350	3650
<b>MCA</b>		A	16	23	20	23	24	
<b>Max. over-current protection (MOCP)</b>		A	25	30	30	35	40	
<b>SEER</b>		-	22	21	21	21	21	
<b>HSPF</b>		-	11	11	11.5	10.5	10.2	
<b>EER</b>		W/W	12.5	12.5	12.5	12.5	10.43	
<b>COP</b>		W/W	3.66	3.72	3.74	3.70	3.61	
<b>AHRI number</b>		-	202110494	202110497	202110500	202110503	202110506	
<b>ENERGY STAR</b>		-	✓	✓	✓	✓	-	
<b>Air flow volume</b>		cfm	1883	2354	2354	4531	4531	
<b>Sound level</b>		dB (A)	56	59	59	61	61	
<b>Compressor power input</b>		W	1440	2550	4150	4150	4150	
<b>Compressor LRA</b>		A	-	-	-	-	-	
<b>Compressor RLA</b>		A	10.82	15.82	13.9	15.6	17.8	
<b>Fan motor power output</b>		W	60	90	100	170	170	
<b>Fan motor RLA</b>		A	0.62	0.59	0.68	0.82	0.82	
<b>Refrigerant volume (R410A)</b>		oz (g)	56.5 (1600)	77.6 (2200)	98.8 (2800)	128.8 (3651)	128.8 (3651)	
<b>Net weight</b>		lb (kg)	115 (52)	153 (69)	154 (70)	199 (90)	199 (90)	
<b>Operating ambient temperature</b>	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)	
<b>Connection Piping/Refrigerant</b>								
<b>Pre-charge length</b>		ft. (m)	33 (10)	98 (30)	131 (40)	131 (40)	131 (40)	
<b>Additional refrigerant charge</b>		oz/ft. (g/m)	0.2 (20)	0.2 (20)	0.2 (20)	0.2 (20)	0.2 (20)	
<b>Liquid pipe outer diameter</b>		in.	1/4	1/4	1/4	1/4	1/4	
<b>Gas pipe outer diameter</b>		in.	3/8	3/8	3/8	3/8	3/8	
<b>Max. height difference outdoor to indoor unit</b>		ft. (m)	33 (10)	33 (10)	49 (15)	49 (15)	49 (15)	
<b>Max. height difference between indoor units</b>		ft. (m)	33 (10)	33 (10)	25 (7.5)	25 (7.5)	25 (7.5)	
<b>Max. length outdoor to last indoor unit</b>		ft. (m)	33 (10)	66 (20)	82 (25)	82 (25)	82 (25)	
<b>Max. total length</b>		ft. (m)	66 (20)	197 (60)	230 (70)	246 (75)	246 (75)	

Indoor Unit Models

Product #		OCD09KCH23S-I	OCD12KCH22S-I	OCD18KCH20S-I	OCD24KCH20S-I	
<b>Cooling capacity</b>	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)
<b>Heating capacity</b>	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)
<b>Dehumidification</b>		pt/hr (l/hr)	1.69 (0.8)	2.96 (1.4)	3.8 (1.8)	4.23 (2)
<b>Air flow volume</b>		T / H / M / L <sup>1</sup>	377 / 288 / 241 / 170	400 / 288 / 241 / 171	559 / 488 / 412 / 335	706 / 647 / 589 / 530
<b>Sound level</b>		T / H / M / L <sup>1</sup>	43 / 39 / 35 / 29	45 / 39 / 35 / 29	47 / 43 / 40 / 39	48 / 44 / 40 / 36
<b>Fan motor power output</b>		W	20	20	60	60
<b>Fan motor RLA</b>		A	0.09	0.09	0.24	0.38
<b>Deflector stepper motor power output</b>		W	1.5	1.5	2.5	2.5
<b>Net Weight</b>		lb (kg)	22 (10)	22 (10)	28 (12.5)	34 (15.5)

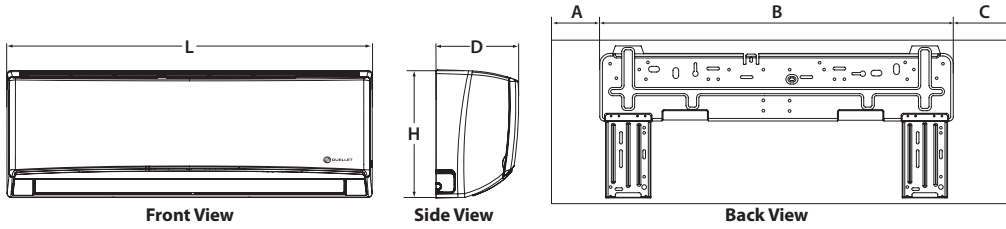
<sup>1</sup> Cross-Flow Fan Speeds: (T) Turbo / (H) High / (M) Medium / (L) Low. Note that each unit is individually packaged.

# OTP-MZ

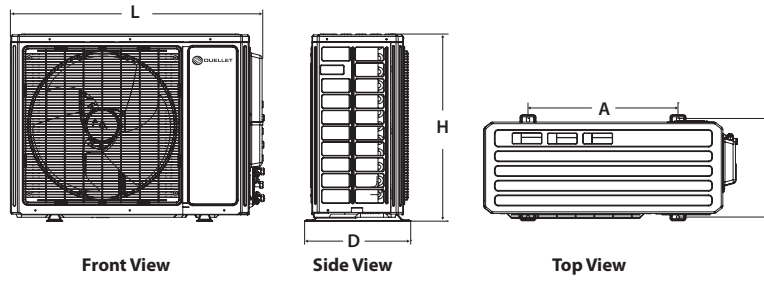
## Options

See OTP Options section

### Indoor Unit



### Outdoor Unit



Indoor Unit	L		H		D		A		B		C	
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
OCD09KCH23S-I OCD12KCH22S-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
OCD18KCH20S-I	38 3/16	970	11 13/16	300	8 13/16	224	4	102	27	686	7 3/16	183
OCD24KCH20S-I	42 7/16	1078	12 13/16	325	9 11/16	246	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
MPD18KCH22S-O	38	965	27 9/16	700	15 5/8	396	22	559	14 1/2	368
MPD24KCH21S-O	38 9/16	980	31 1/8	790	17 5/16	440	22	559	14 1/2	368
MPD30KCH21S-O	38 7/16	976	31	787	17 5/16	440	24	610	15 3/4	399
MPD36KCH21S-O	42 1/2	1080	43 7/16	1103	17 5/16	440	24 13/16	630	14 13/16	376
MPD42KCH21S-O										

# OTP-MZ

## To order

**1** Choose the outdoor unit based on the system capacity required.

**2** Choose the appropriate indoor unit combination by referring to the combination table below.

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

Note that each unit is individually packaged.

### Example:

Outdoor unit required: MPD42KCH215-O

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



## Combination Table<sup>1</sup>

Outdoor Unit	2 Indoor Units
MPD18KCH225-O	09 + 09
	09 + 12
	12 + 12

Outdoor Unit	2 Indoor Units	3 Indoor Units
MPD24KCH215-O	09 + 09 + 09	
	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 Indoor Units	4 Indoor Units
MPD30KCH215-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
MPD36KCH215-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	-	-

## Legend

Code	BTU/hr	Product # Indoor Unit
09	9000 BTU/hr	OCD09KCH235-I
12	12000 BTU/hr	OCD12KCH225-I
15	15000 BTU/hr	OCD15KCH205-I
18	18000 BTU/hr	OCD18KCH205-I
24	24000 BTU/hr	OCD24KCH205-I

Outdoor Unit	2 Indoor Units	3 Indoor Units	4 Indoor Units	5 Indoor Units
MPD42KCH215-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 + 15
	-	12 + 12 + 18	09 + 12 + 12 + 24	-
	-	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	-
	-	18 + 18 + 24	12 + 12 + 15 + 18	-
-	-	12 + 12 + 15 + 24	-	
-	-	12 + 12 + 18 + 18	-	

<sup>1</sup> All combinations are ENERGY STAR qualified, except one with outdoor unit MPD42KCH215-O. The combinations in red represent the combinations that offer 100% performance of the system in heating mode.

# OTP

## Options

Product # Kit	Description
OTP-WBRC- OCD	Wall bracket for wireless remote control, OTP-C series
OTP-WBRC- SED	Wall bracket for wireless remote control, OTP-E series
OTP-WBRC- UHD	Wall bracket for wireless remote control, OTP-O series
KIT-WIFI	Wi-Fi kit, OTP-C, OTP-E, OTP-MZ series
KIT-WIFI- SED09KCH17S	Wi-Fi kit for SED09KCH17S unit, OTP-E series
OTP-XK76	Programmable wired wall controller
<b>Insulated copper line</b>	
CO50381438W	3/8" and 1/4" insulated copper line set kit, 50' long
CO50121438W	1/2" and 1/4" insulated copper line set kit, 50' long
CO50581438W	5/8" and 1/4" insulated copper line set kit, 50' long
CO50583838W	5/8" and 3/8" insulated copper line set kit, 50' long
CO1641438W	1/4" insulated copper line, 164' long
CO1643838W	3/8" insulated copper line, 164' long
CO1641238W	1/2" insulated copper line, 164' long
CO1645838W	5/8" insulated copper line, 164' long
<b>Wall bracket</b>	
SV-ALBR2416	2 aluminum wall brackets 24" X 16", sold in boxes of 10 pairs
SV-ALBR3016	2 aluminum wall brackets 30" X 16", sold in boxes of 6 pairs
<b>Ground stand</b>	
SV-ALGS1426	Aluminum ground stand 14 1/4" X 26"
SV-ALGS1430	Aluminum ground stand 14 1/4" X 30"
SV-ALGS1727-3	Aluminum ground stand 17 1/8" X 27" (2" X 3" Angle)
<b>No-kink drain line</b>	
SV-NKDL58L50	No-kink drain line 5/8", 165' long



Insulated copper line



Wall brackets



Ground stand



No kink drain line

# OTP-O

## Olympia Ductless Single Zone Heat Pump



Indoor Unit



Outdoor Unit

### Performance up to

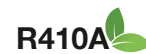


Cooling



Heating

### Up to



### Features

#### Operation mode

- Cooling, heating, dehumidifying, fan and auto.

#### Nominal capacity

- 9000, 12000, 18000, 24000 BTU/hr.

#### Voltage

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

#### Indoor unit

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

#### 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



Sleep Mode



Turbo Mode



Up & Down Swing



Left & Right Swing



Timer



I Feel



Lock



Wireless Remote



Wi-Fi

### Optional



Wall Controller

Models

Product # <sup>1</sup>	Indoor Unit Outdoor Unit		UHD09KCH385B-I UHD09KCH385B-O	UHD12KCH315-I UHD12KCH315-O	UHD18KCH255-I UHD18KCH255-O	UHD24KCH225-I UHD24KCH225-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)	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)
<b>Heating capacity</b>	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)
<b>Used cooling power input</b>	Nominal	W	540	785	1330	1700
	Min. – max.	W	50 - 1400	75 - 1500	350 - 2500	450 - 3700
<b>Used heating power input</b>	Nominal	W	590	940	1500	2000
	Min. – max.	W	200-1500	250 - 1600	350 - 2500	380 - 3700
<b>Used rated input</b>		W	1500	1600	2500	3700
<b>Rated current</b>		A	6.2	6.5	10.8	16.4
<b>MCA</b>		A	9	9	22	22
<b>Max. over-current protection (MOCP)</b>		A	15	15	30	35
<b>SEER</b>		-	38	30.5	24.5	21.5
<b>HSPF</b>		-	15	14	12	12
<b>EER</b>		W/W	4.84	4.48	3.97	3.81
<b>COP</b>		W/W	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>		pt/hr (l/hr)	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>	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
<b>Sound level</b>	T / H / MH / M / ML / L / Q <sup>2</sup>	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
<b>Fan motor power output</b>		W	60	60	60	70
<b>Fan motor RLA</b>		A	0.09	0.09	0.24	0.38
<b>Deflector stepper motor power output</b>		W	2.5 / 1.5	2.5 / 1.5	2.5 / 1.5	2.5
<b>Net weight</b>		lb (kg)	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>		cfm	2400	2400	2354	4000
<b>Sound level</b>		dB (A)	53	53	59	59
<b>Compressor power input</b>		W	1070	1070	2443	2443
<b>Compressor LRA</b>		A	35	35	30	30
<b>Compressor RLA</b>		A	6.9	6.9	15.5	16
<b>Fan motor power output</b>		W	30	30	90	90
<b>Fan motor RLA</b>		A	0.24	0.24	0.65	0.65
<b>Refrigerant volume (R410A)</b>		oz (g)	45.9 (1301)	49.4 (1400)	70.6 (2101)	81.1 (2299)
<b>Net weight</b>		lb (kg)	99.2 (45)	99.2 (45)	141.1 (64)	147.7 (67)
<b>Operating ambient temperature</b>	Cooling	°C (°F)	-18 to 54 (0 to 129)			
	Heating	°C (°F)	-30 to 24 (-22 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)	0.5 (50)	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.	1/2	1/2	5/8	5/8
<b>Maximum height difference</b>		ft. (m)	49 (15)	49 (15)	66 (20)	98 (30)
<b>Maximum total length</b>		ft. (m)	98 (30)	98 (30)	100 (30)	164 (50)

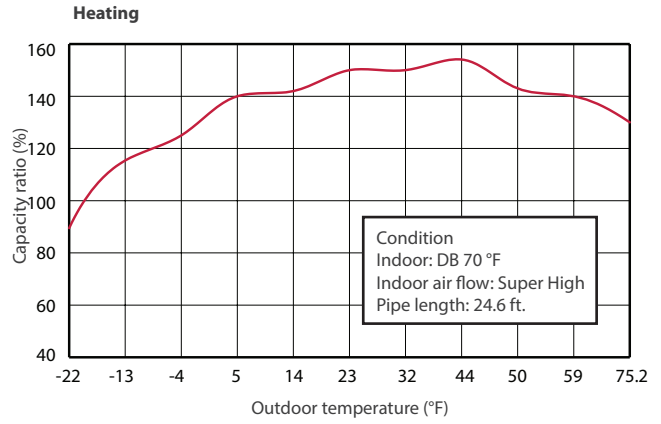
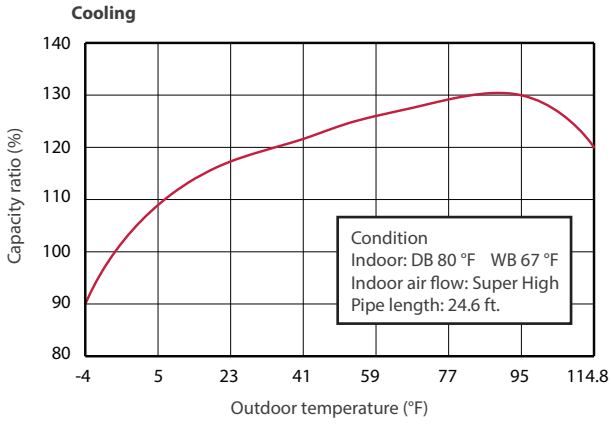
<sup>1</sup> 1 indoor unit and 1 outdoor unit. Note that each unit is individually packaged.  
<sup>2</sup> Cross-Flow Fan Speeds: (T) Turbo / (H) High / (MH) Medium-High / (M) Medium / (ML) Medium-Low / (L) Low / (Q) Quiet.

Options

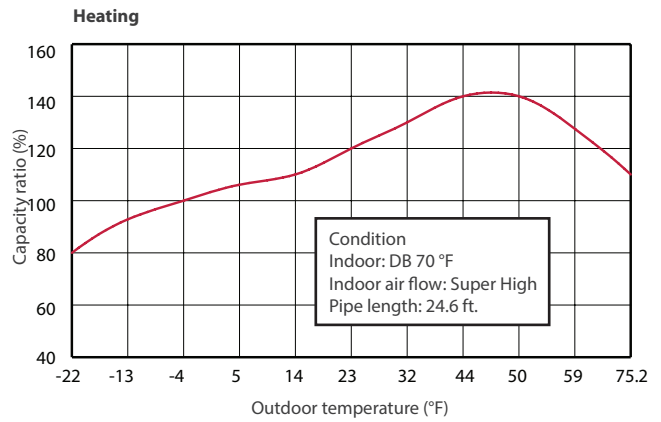
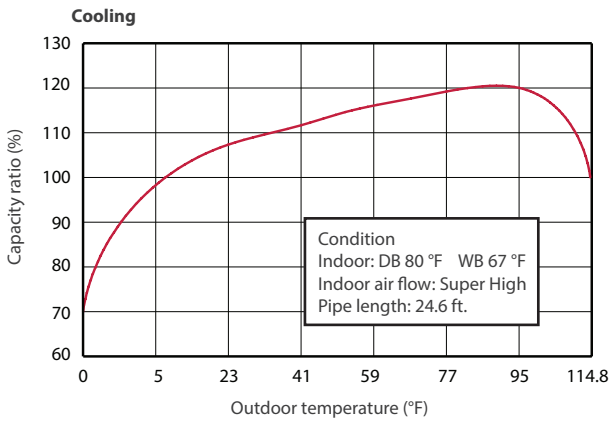
See OTP Options section

Capacity Variation Ratio According to Temperature

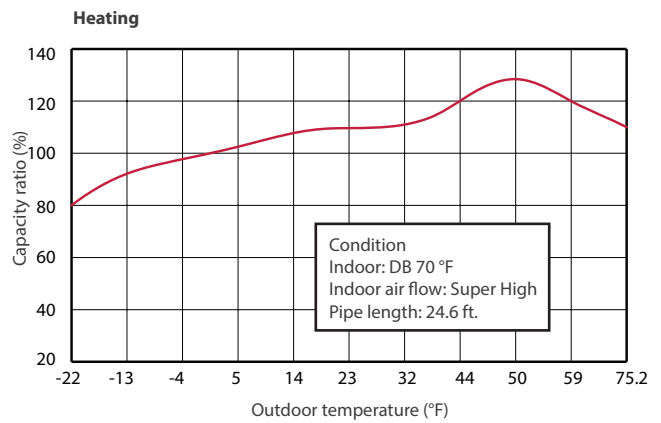
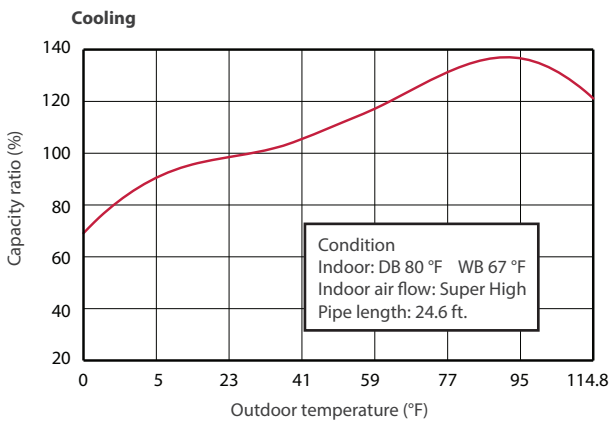
**UHD09**



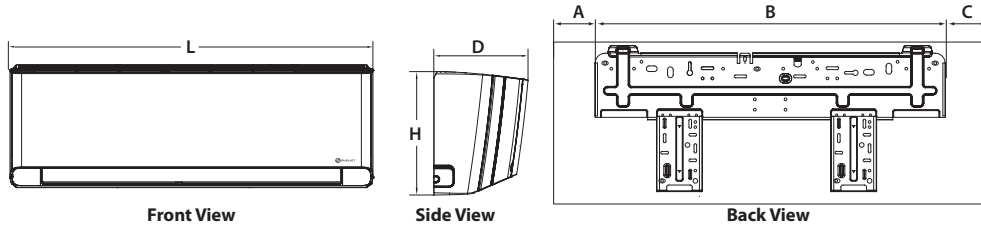
**UHD12**



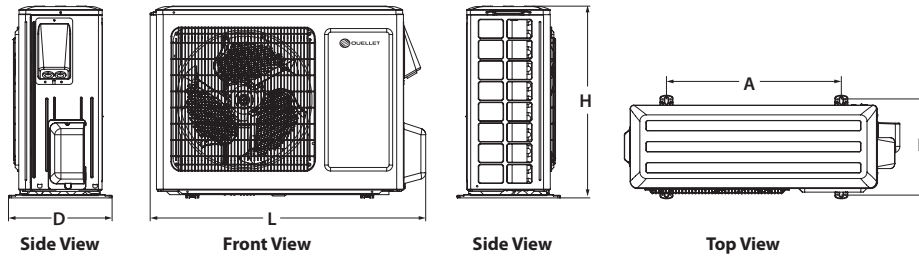
**UHD18 & UHD24**



**Indoor Unit**



**Outdoor Unit**



Indoor Unit	L		H		D		A		B		C	
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
UHD09KCH38SB-I UHD12KCH31S-I	39 3/16	970	11 7/8	302	8 7/8	225	4 5/8	117	27	685	7 5/8	194
UHD18KCH25S-I UHD24KCH22S-I	43 3/8	1078	12 7/8	325	9 13/16	246	8 9/16	217	26 15/16	684	7 7/8	199

Outdoor Unit	L		H		D		A		B	
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
UHD09KCH38SB-O UHD12KCH31S-O	35 3/8	899	23 1/2	596	14 7/8	378	21 2/3	550	13 1/2	343
UHD18KCH25S-O UHD24KCH22S-O	38 5/8	1000	31 1/8	790	16 13/16	427	24	610	15 9/16	395

# OTP

## Options

Product # Kit	Description
OTP-WBRC-OCD	Wall bracket for wireless remote control, OTP-C series
OTP-WBRC-SED	Wall bracket for wireless remote control, OTP-E series
OTP-WBRC-UHD	Wall bracket for wireless remote control, OTP-O series
KIT-WIFI	Wi-Fi kit, OTP-C, OTP-E, OTP-MZ series
KIT-WIFI-SED09KCH17S	Wi-Fi kit for SED09KCH17S unit, OTP-E series
OTP-XK76	Programmable wired wall controller
HP6000ZB-GE <sup>1,2</sup>	Ductless heat pump smart interface, OTP-C, OTP-E, OTP-O series
GT130 <sup>1</sup>	Smart gateway that provides remote access to the HP6000ZB-GE
<b>Insulated copper line</b>	
CO50381438W	3/8" and 1/4" insulated copper line set kit, 50' long
CO50121438W	1/2" and 1/4" insulated copper line set kit, 50' long
CO50581438W	5/8" and 1/4" insulated copper line set kit, 50' long
CO50583838W	5/8" and 3/8" insulated copper line set kit, 50' long
CO1641438W	1/4" insulated copper line, 164' long
CO1643838W	3/8" insulated copper line, 164' long
CO1641238W	1/2" insulated copper line, 164' long
CO1645838W	5/8" insulated copper line, 164' long
<b>Wall bracket</b>	
SV-ALBR2416	2 aluminum wall brackets 24" X 16", sold in boxes of 10 pairs
SV-ALBR3016	2 aluminum wall brackets 30" X 16", sold in boxes of 6 pairs
<b>Ground stand</b>	
SV-ALGS1426	Aluminum ground stand 14 1/4" X 26"
SV-ALGS1430	Aluminum ground stand 14 1/4" X 30"
SV-ALGS1727-3	Aluminum ground stand 17 1/8" X 27" (2" X 3" Angle)
<b>No-kink drain line</b>	
SV-NKDL58L50	No-kink drain line 5/8", 165' long

<sup>1</sup> Standard color is black.

<sup>2</sup> Requires the use of the GT130 smart gateway.



Insulated copper line



Wall brackets



Ground stand



No kink drain line