

OTP-E Eagle Ductless Single Zone Heat Pump



Indoor Unit



Outdoor Unit



Performance up to



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).
- 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 Mode



Up & Down Swing



Timer



I Feel



Lock



Wireless Remote



Wi-Fi

Optional

OTP-E

Models

Product # ¹	Indoor Unit Outdoor Unit	SED09KCH175-I SED09KCH175-O	SED12KCH175-I SED12KCH175-O	SED18KCH165-I SED18KCH165-O	SED24KCH195-I 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.

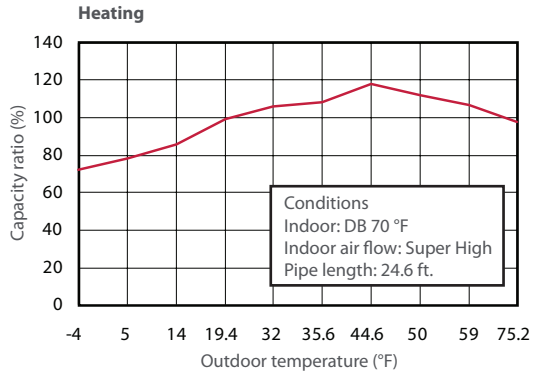
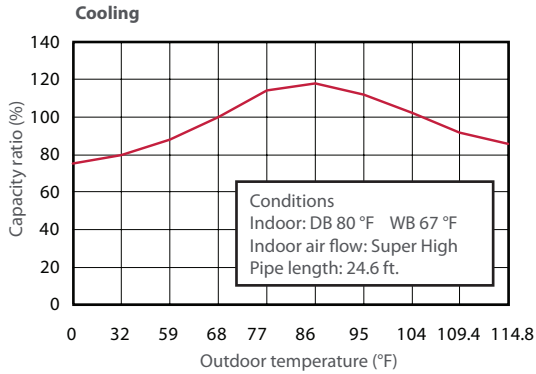
² Cross-Flow Fan Speeds: (T) Turbo / (H) High / (M) Medium / (L) Low.

Options

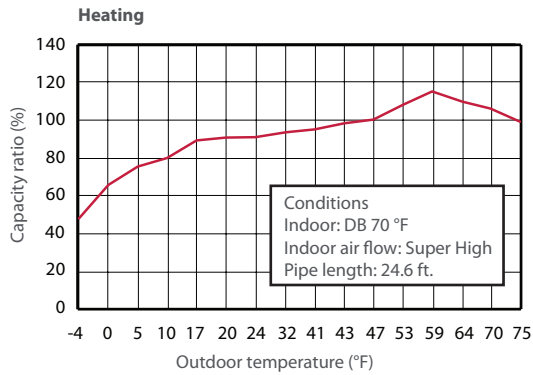
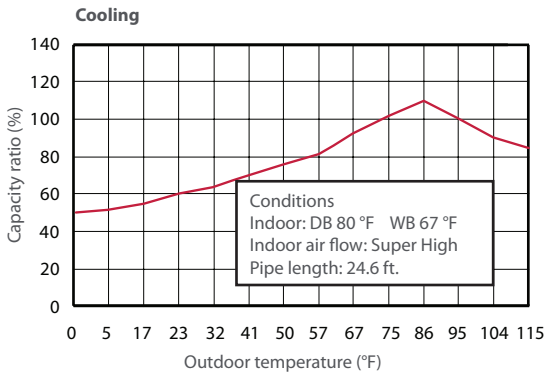
See OTP Options section

Capacity Variation Ratio According to Temperature

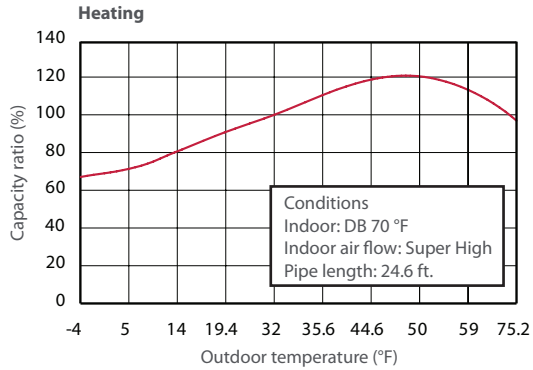
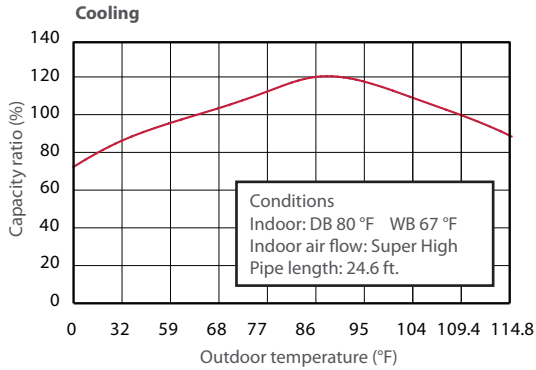
SED09



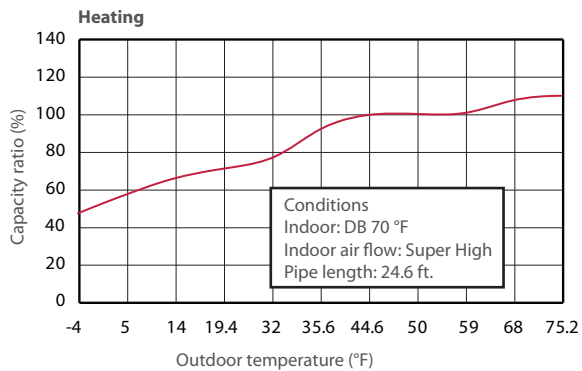
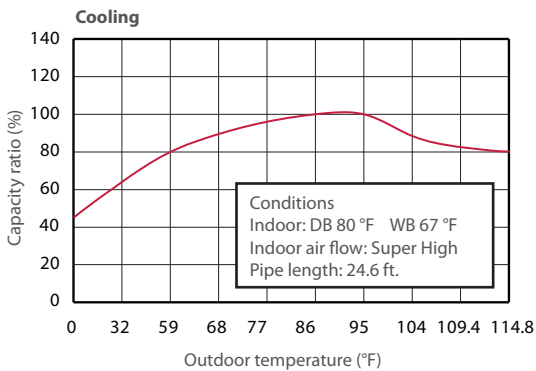
SED12



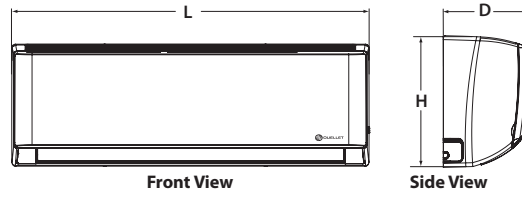
SED18



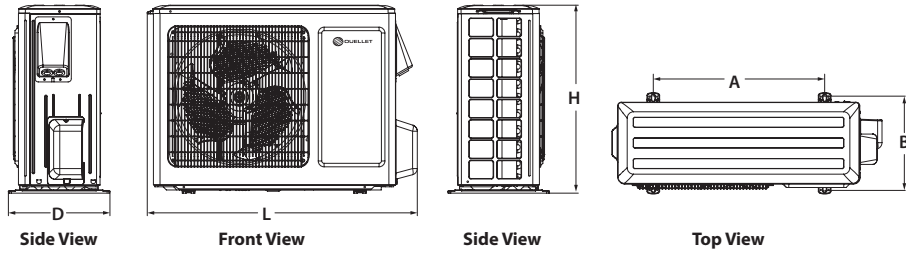
SED24



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

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
Insulated copper line	
CO50381438W	3/8" and 1/4" insulated copper line set kit, 50' long
CO25381438W	3/8" and 1/4" insulated copper line set kit, 25' long
CO15381438W	3/8" and 1/4" insulated copper line set kit, 15' long
CO50121438W	1/2" and 1/4" insulated copper line set kit, 50' long
CO25121438W	1/2" and 1/4" insulated copper line set kit, 25' long
CO15121438W	1/2" and 1/4" insulated copper line set kit, 15' long
CO50581438W	5/8" and 1/4" insulated copper line set kit, 50' long
CO25581438W	5/8" and 1/4" insulated copper line set kit, 25' long
CO15581438W	5/8" and 1/4" insulated copper line set kit, 15' long
CO50583838W	5/8" and 3/8" insulated copper line set kit, 50' long
CO25583838W	5/8" and 3/8" insulated copper line set kit, 25' long
CO15583838W	5/8" and 3/8" insulated copper line set kit, 15' 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
Wall bracket	
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
SV-ALOF0922B	2 aluminum offset wall brackets 9" X 22", sold in boxes of 6 pairs
SV-ALRF0926	2 aluminum reinforced offset wall brackets 9" X 26", sold in boxes of 5 pairs
Ground stand	
SV-ALGS1426	Aluminum ground stand 14 1/4" X 26"
SV-ALGS1430	Aluminum ground stand 14 1/4" X 30"
SV-ALGS1436	Aluminum ground stand 14 1/4" X 36"
SV-ALGS1830	Aluminum ground stand 18" X 30"
SV-ALGS1727-3	Aluminum ground stand 17 1/8" X 27" (2" X 3" Angle)
No-kink drain line	
SV-NKDL58L50	No-kink drain line 5/8", 165' long