

OTP-A Apollo Ductless Single Zone Heat Pump and Air Conditioner



Indoor Unit



Outdoor Unit



Heat Pump

Performance up to



Cooling



Heating

Up to



Air Conditioner

Performance up to



Cooling

Up to



Features

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 (turbo, high, medium and low).
- Washable filters.

Outdoor unit

- Variable speed rotary compressor (INVERTER), with overload protection.
- Refrigerant flow controlled by a capillary.
- Condenser fins covered with a hydrophilic coating for improved corrosion resistance.
- Large diameter quiet axial-flow fan for more efficient heat exchange.
- Installation on epoxy/polyester powder coated adjustable steel wall bracket (optional).

Connection piping

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

Control

- Wireless remote included.
- Set temperature: 16 to 30 °C (61 to 86 °F).
- Temperature display format: °C or °F.

Warranty

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

- 1-year basic warranty on parts and 5-year basic warranty on the compressor (labour not included).

Application

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

Heat Pump Features

Operation mode

- Cooling, heating, dehumidifying, fan and auto.

Air Conditioner Features

Operation mode

- Cooling, dehumidifying, fan and auto.

Includes



Fin Coating



Quiet Design



Smart Defrosting*



Smart Preheating*



Auto Restart



Self-Diagnosis



Sleep Mode



Turbo Mode



Up & Down Swing



Timer



Lock



Wireless Remote

*Available only for heat pump units.

Heat Pump Models

Product # ¹	Indoor Unit Outdoor Unit		ELD09KCH15S-I ELD09KCH15S-O	ELD12KCH15S-I ELD12KCH15S-O	ELD18KCH15S-I ELD18KCH15S-O	ELD24KCH15S-I ELD24KCH15S-O
Technical Performance						
Voltage		Volts	230/208	230/208	230/208	230/208
Cooling capacity	Nominal	W (BTU/hr)	2638 (9000)	3517 (12000)	5275 (18000)	6448 (22000)
	Min. – max.	W (BTU/hr)	1465 – 3312 (5000 - 11300)	1553 – 3664 (3600 - 12502)	2100 – 5861 (7165 - 20000)	2529 – 6800 (8630 - 23200)
Heating capacity	Nominal	W (BTU/hr)	2800 (9554)	3810 (13000)	5568 (19000)	6741 (23000)
	Min. – max.	W (BTU/hr)	1553 - 3517 (5300 - 12000)	1612 - 3956 (5500 - 13500)	2150 - 6887 (7430 - 23500)	2535 - 7620 (8650 - 26000)
Used cooling power input	Nominal	W	950	1300	1950	2310
	Min. – max.	W	375 - 1300	550 - 1350	570 - 2600	600 - 2700
Used heating power input	Nominal	W	800	1250	1730	2300
	Min. – max.	W	300 - 1350	500 - 1500	580 - 2600	610 - 2750
Used rated input		W	1800	1800	2600	2750
Rated current		A	9	9	11.5	12.2
MCA		A	10	10	17	17
Max. over-current protection (MOCP)		A	15	15	25	25
SEER		-	15	15	15	15
HSPF		-	8.5	8.5	9	8.5
EER		(BTU/hr)/W	9.47	9.23	8.5	9.5
COP		W/W	3.5	3.05	3	2.93
Indoor Unit						
Dehumidification		pt/hr (l/hr)	1.69 (0.8)	2.96 (1.4)	3.8 (1.8)	5.28 (2.5)
Air flow volume	T / H / M / L ²	cfm	306 / 277 / 253 / 218	335 / 277 / 253 / 218	506 / 459 / 383 / 324	588 / 471 / 412 / 353
Sound level	T / H / M / L ²	dB (A)	43 / 40 / 37 / 34	44 / 42 / 39 / 36	48 / 42 / 39 / 36	52 / 46 / 42 / 36
Fan motor power output		W	20	20	20	60
Fan motor RLA		A	0.2	0.25	0.32	0.24
Deflector stepper motor power output		W	2	2	2	2.5
Net weight		lb (kg)	20 (9)	21 (9.5)	26.5 (12)	33 (15)
Outdoor Unit						
Air flow volume		cfm	942	942	1883	1883
Sound level		dB (A)	52	53	56	59
Compressor power input		W	942	942	1440	1440
Compressor LRA		A	-	-	25	25
Compressor RLA		A	7.3	7.3	7.2	7.2
Fan motor power output		W	21	21	60	60
Fan motor RLA		A	0.25	0.25	0.37	0.37
Refrigerant volume (R410A)		oz (g)	26.1 (740)	35.3 (1001)	63.5 (1800)	65.3 (1851)
Net weight		lb (kg)	62 (28)	66 (30)	101 (46)	115 (52)
Operating ambient temperature	Cooling	°C (°F)	18 to 43 (64 to 109)			
	Heating	°C (°F)	-7 to 24 (19 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 (15)	0.2 (15)	0.2 (15)	0.2 (15)
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

Product # Kit	Description
OTP-WB3	Adjustable wall bracket for outdoor unit
OTP-WBRC-ELD	Wall bracket for wireless remote control, OTP-A Series

Air Conditioner Models

Product # ¹	Indoor Unit Outdoor Unit		ELD09KCO15S-I ELD09KCO15S-O	ELD12KCO15S-I ELD12KCO15S-O	ELD18KCO15S-I ELD18KCO15S-O	ELD24KCO15S-I ELD24KCO15S-O
Technical Performance						
Voltage		Volts	230/208	230/208	230/208	230/208
Cooling capacity	Nominal	W (BTU/hr)	2638 (9000)	3517 (12000)	5275 (18000)	6448 (22000)
	Min. – max.	W (BTU/hr)	1465 – 3312 (5000 - 11300)	1553 – 3664 (3600 - 12502)	2100 - 5861 (7165 - 20000)	2529 - 6800 (8630 - 23200)
Used cooling power input	Nominal	W	950	1300	1800	2310
	Min. – max.	W	375 - 1300	550 - 1350	570 - 2500	600 - 2700
Used rated input		W	1800	1800	2500	2700
Rated current		A	9	9	11.1	12
MCA		A	10	10	14	15
Max. over-current protection (MOCP)		A	15	15	20	25
SEER		-	15	15	15	15
EER		(BTU/hr)/W	9.47	9.23	10	9.5
Indoor Unit						
Dehumidification		pt/hr (l/hr)	1.69 (0.8)	2.96 (1.4)	3.8 (1.8)	5.28 (2.5)
Air flow volume	T / H / M / L ²	cfm	306 / 277 / 253 / 218	335 / 277 / 253 / 218	506 / 459 / 383 / 324	588 / 471 / 412 / 353
Sound level	T / H / M / L ²	dB (A)	43 / 40 / 37 / 34	44 / 42 / 39 / 36	48 / 42 / 39 / 36	52 / 46 / 42 / 36
Fan motor power output		W	20	20	20	60
Fan motor RLA		A	0.2	0.25	0.32	0.24
Deflector stepper motor power output		W	2	2	2	2.5
Net weight		lb (kg)	20 (9)	21 (9.5)	26.5 (12)	33 (15)
Outdoor Unit						
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Fan motor power output		W	21	21	60	60
Fan motor RLA		A	0.25	0.25	0.37	0.37
Refrigerant volume (R410A)		oz (g)	26.1 (740)	35.3 (1001)	42.3 (1200)	56.4 (1600)
Net weight		lb (kg)	62 (28)	66 (30)	44 (97)	49 (108)
Operating ambient temperature	Cooling	°C (°F)	18 to 43 (64 to 109)			
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 (15)	0.2 (15)	0.2 (15)	0.2 (15)
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)

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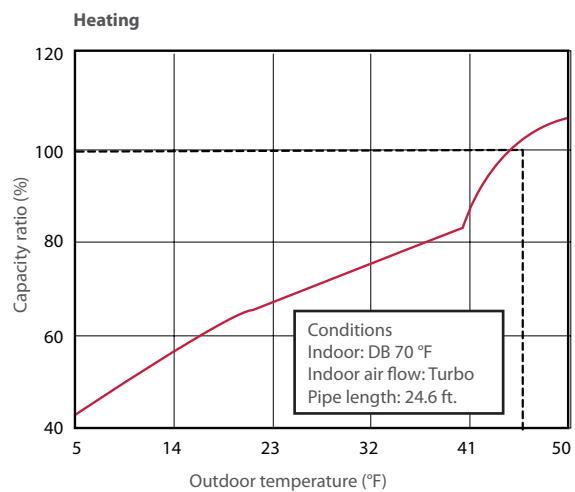
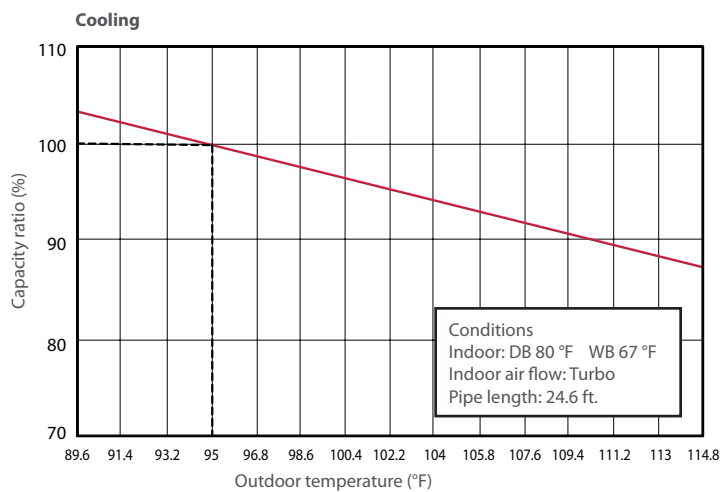
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Capacity Variation Ratio According to Temperature

ELD09 & ELD12



ELD18 & ELD24

