

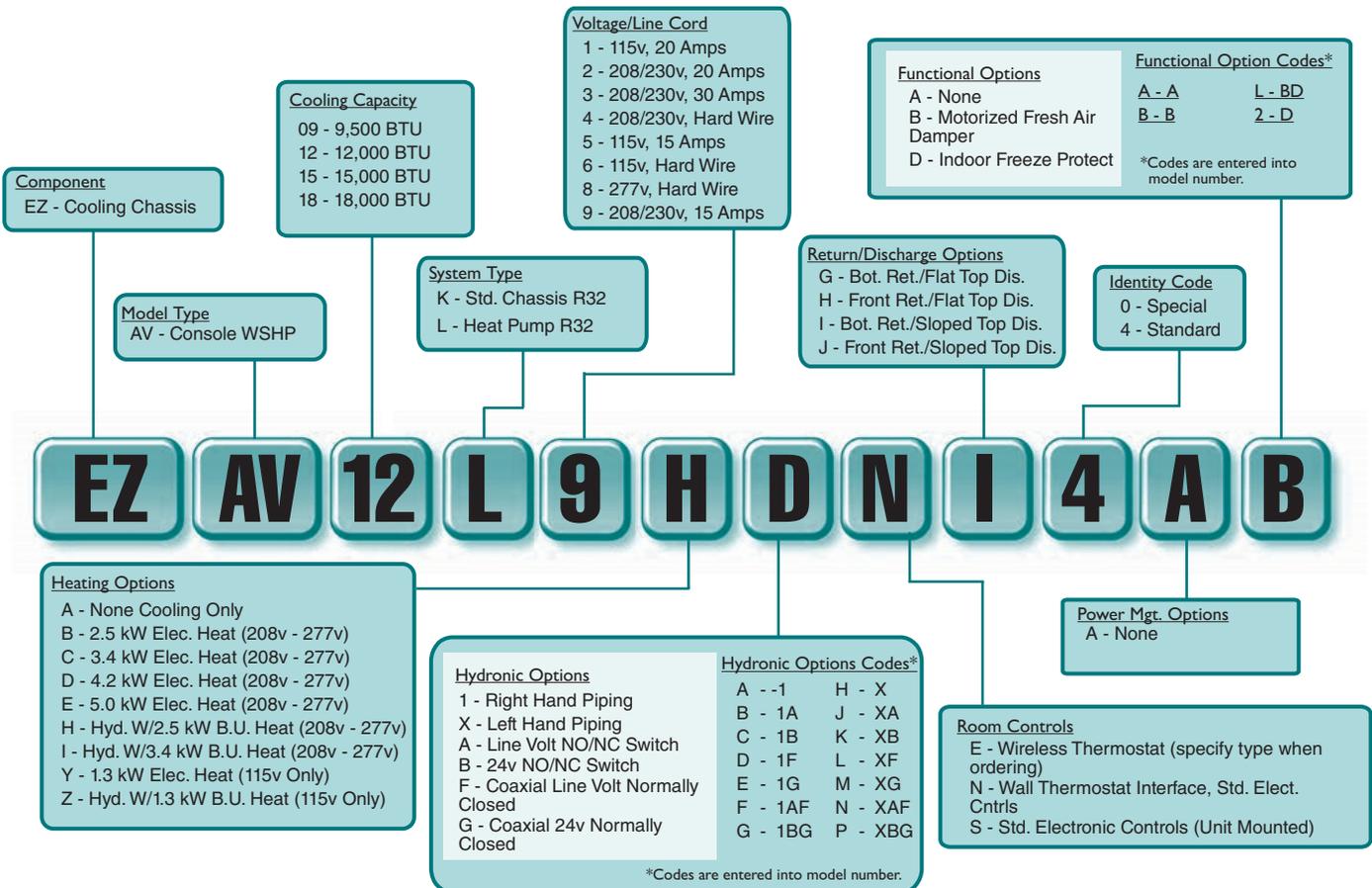
Islandaire "The Perfect Fit" units are designed to exactly replace the original, existing chassis! No field modification kits or builder renovations are required. Islandaire units are designed for optimal efficiency and reliability.

This appliance is intended for new construction or replacement of EZAV Series water source heat pumps. Please confirm that the electrical rating of this appliance matches the electrical supply available before beginning installation.



FEATURES

- Proudly Designed and Engineered in the U.S.A.
- Units Available as Cooling only, Cooling with Electric Heat, or Heat Pump
- Available with wired and wireless wall thermostats
- Piping can be field-reversed (left-to-right/right-to-left)
- Superior energy efficient ratio (EER)
- BLDC Evaporator Motor, PSC Condenser Motor
- High efficiency Coaxial Condenser Coil
- High efficiency Evaporator Coil
- Commercial duty construction with heavy gauge galvanized steel
- High pressure protection
- Compressor and water circuit freeze protection
- Quiet operation
- Controls/electrical connections on right side of unit
- Float Switch provided as standard equipment
- DC Evaporator Motor



*Specifications are subject to change due to ongoing product development.



EZAV Documentation List:

P/N	Document Title
6140527	Instructions, EZAV Vent Subbase Assembly
6140530	Instructions, EZAV Enclosure
6140532	Instructions, EZAV to EZLV Conversion Kit
6140533	Instructions, EZAV to EZAV Flat Top Conversion Kit
6140535	Instructions, EZAV Front Return Conversion Kit
6140678	Install/Owners Manual, EZAV
6140537	Engineering Manual, EZAV

MODELS

	EZ09			EZ12			EZ15		EZ18		
VOLTS	115	208 / 230	277	115	208 / 230	277	208 / 230	277	208 / 230	277	
BTUH COOL	9,300	9,300 / 9,300	9,300	12,200	11,650 / 11,650	12,200	13,800 / 13,800	13,800	16,400 / 16,400	16,400	
AMPS COOL	6.00	3.32 / 3.00	2.60	7.78	4.10 / 3.72	3.38	4.80 / 4.35	3.77	5.93 / 5.36	4.46	
WATTS COOL	690	690 / 690	690	895	855 / 855	895	1,000 / 1,000	1,000	1,235 / 1,235	1,235	
EER	13.5	13.5 / 13.5	13.5	13.6	13.6 / 13.6	13.6	13.8 / 13.8	13.8	13.3 / 13.3	13.3	
CFM HIGH COOL (CFM)	420	420 / 420	420	460	360 / 360	460	450 / 450	450	520 / 520	520	
LOW COOL/HEAT (CFM)	280	280 / 280	280	320	320 / 320	320	380 / 380	380	400 / 400	400	
BTUH HEAT	12,000	12,000 / 12,000	12,000	14,500	14,500 / 14,500	14,500	16,500 / 16,500	16,500	20,000 / 20,000	18,200	
AMPS HEAT	6.78	3.75 / 3.39	2.94	8.04	4.45 / 4.02	3.49	5.04 / 4.56	3.96	5.14 / 4.65	3.86	
WATTS HEAT	780	780 / 780	780	925	925 / 925	925	1,050 / 1,050	1,050	1,360 / 1,360	1,070	
C.O.P.	4.5	4.5 / 4.5	4.5	4.6	4.6 / 4.6	4.6	4.6 / 4.6	4.6	4.31 / 4.31	4.5	
GPM (L/min)	1.6 (6.1)	1.6 (6.1)	1.6 (6.1)	2.0 (7.6)	2.0 (7.6)	2.0 (7.6)	2.5 (9.5)	2.5 (9.5)	3.0 (11.4)	3.0 (11.4)	
NOISE (DBA) INDR/OUTDR	45/69	45/69	45/69	45/69	45/69	45/69	45/69	45/69	45/69	45/69	
SHIPPING WEIGHT LB. (kg)	106	106	106	115	115	115	128	128	128	145	

Heating Option	Voltage ⁽¹⁾	Wattage	BTU/h	Amps ⁽²⁾
B	208	2,045	7,000	9.83
	230	2,500	8,500	10.87
C	208	2,780	9,500	13.37
	230	3,400	11,600	14.78
D	208	3,435	11,700	16.51
	230	4,200	14,300	18.26
E	208	4,090	14,000	19.66
	230	5,000	17,100	21.74
H	208	2,045	7,000	9.83
	230	2,500	8,500	10.87
I	208	2,780	9,500	13.37
	230	3,400	11,600	14.78
Y	115	1,300	4,400	11.30
Z	115	1,300	4,400	11.30

Notes:

1) Data based on AHRI/ASHRAE/ISO 13256-1:

Cooling (EAT): 80.6 °F DB/66.2 °F WB
Cooling (EWT): 86 °F

Heating (EAT): 68 °F DB/59 °F WB
Heating (EWT): 68 °F

2) Water Loop Operation

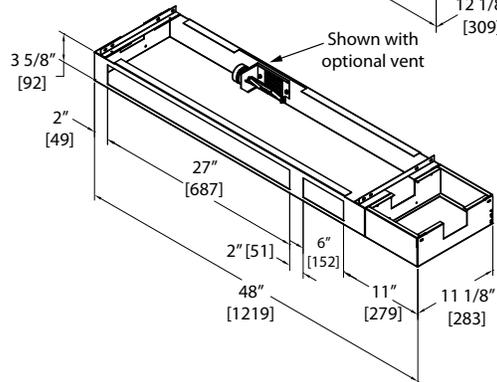
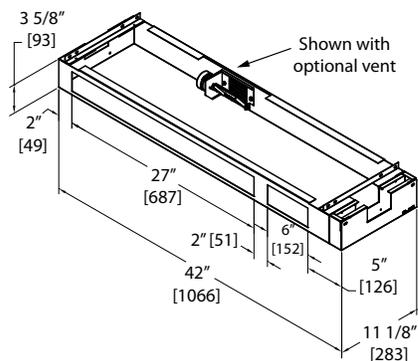
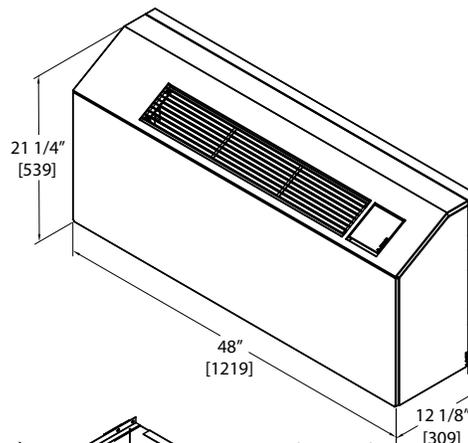
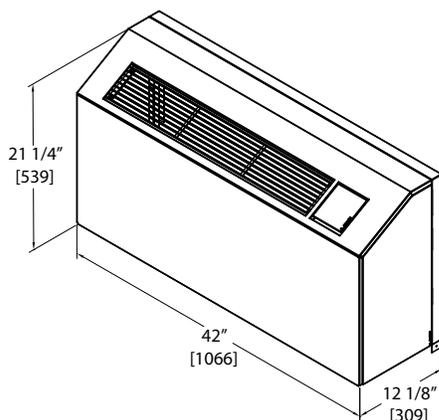
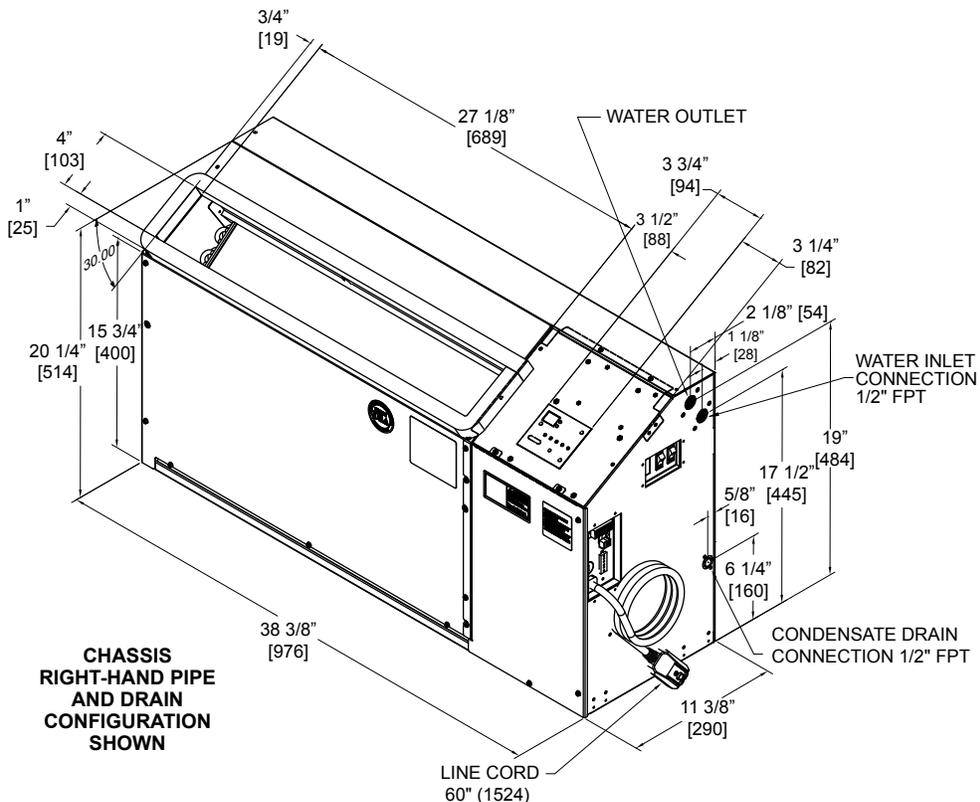
Cooling LWT - EWT = 10 °F
Heating EWT - LWT = 10 °F

Line Voltage	Maximum Amperage	Wall Socket Configuration	Receptacle Number	Electrical Heat Options
115	12		NEMA 5-15R	1.3
115	16		NEMA 5-20R	1.7
208/230	12		NEMA 6-15R	2.5
208/230	16		NEMA 6-20R	3.6
208/230	24		NEMA 6-30R	4.2 - 5.0
277	16		NEMA 7-20R	2.5 - 4.2
277	24		NEMA 7-30R	5.0

⁽¹⁾ Voltage is Single Phase, Alternating Current and R.M.S.

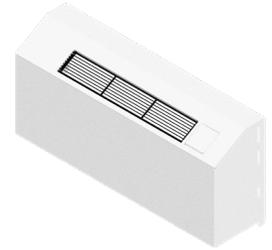
⁽²⁾ Amp values are for heating element only.

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ENCLOSURES

PART NUMBER	DESCRIPTION	APPROX WT.	DIMENSIONS		
			DEPTH	WIDTH	HEIGHT
4086265-08	EZAV Enclosure Assy, Sloped, 42", LH Pipe	18.5 lbs.	12.251"	42.000"	22.254"
4086266-08	EZAV Enclosure Assy, Sloped, 42", RH Pipe	18.5 lbs.	12.251"	42.000"	22.254"
4086501-08	EZAV Enclosure Assy, Sloped, 48", LH Pipe	20.0 lbs.	12.251"	48.000"	22.254"
4086570-08	EZAV Enclosure Assy, Sloped, 48", RH Pipe	20.0 lbs.	12.251"	48.000"	22.254"



SUBBASES

PART NUMBER	DESCRIPTION	APPROX WT.	FEATURES		
			DEPTH	WIDTH	HEIGHT
2501179	Subbase, EZAV, 42", No Vent	12.0 lbs.	11.250"	42.000"	3.750"
2501181	Subbase, EZAV, 42", Vent	12.5 lbs.	11.250"	42.000"	3.750"
2501206	Subbase, EZAV, 48", No Vent	13.0 lbs.	11.250"	48.000"	3.750"
2501208	Subbase, EZAV, 48", Vent	13.5 lbs.	11.250"	48.000"	3.750"



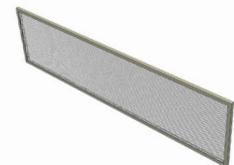
CONVERSION KITS

PART NUMBER	DESCRIPTION	APPROX WT.	DIMENSIONS		
			DEPTH	WIDTH	HEIGHT
4092526	EZAV Flat Top Conversion Kit	9.5 lbs.	N/A	N/A	N/A
4092527	EZAV Front Return Conversion Kit	7.0 lbs.	N/A	N/A	N/A
4092528	EZAV to EZLV Conversion Kit	6.5 lbs.	N/A	N/A	N/A
4092533	EZAV to EZLV Flat Top Conversion Kit	7.0 lbs.	N/A	N/A	N/A



FILTERS

PART NUMBER	DESCRIPTION	APPROX WT.	DIMENSIONS		
			DEPTH	WIDTH	HEIGHT
6080159	EZAV Standard Mesh Filter	2 lbs.	2.00"	27.00"	0.00"



HOSE KITS

PART NUMBER	DESCRIPTION	PART NUMBER	DESCRIPTION
4091738	Hose Kit, 1/2", 1.60 GPM, 18"L	4091584	Hose Kit, 1/2", 2.50 GPM, 18"L
4091739	Hose Kit, 1/2", 1.60 GPM, 18"L, w/Strainer	4091684	Hose Kit, 1/2", 2.50 GPM, 18"L, w/Strainer
4091740	Hose Kit, 1/2", 1.60 GPM, 24"L	4091585	Hose Kit, 1/2", 2.50 GPM, 24"L
4091741	Hose Kit, 1/2", 1.60 GPM, 24"L, w/Strainer	4091670	Hose Kit, 1/2", 2.50 GPM, 24"L, w/Strainer
4091501	Hose Kit, 1/2", 2.00 GPM, 18"L	4091576	Hose Kit, 1/2", 3.00 GPM, 18"L
4091683	Hose Kit, 1/2", 2.00 GPM, 18"L, w/Strainer	4091685	Hose Kit, 1/2", 3.00 GPM, 18"L, w/Strainer
4091261	Hose Kit, 1/2", 2.00 GPM, 24"L	4091577	Hose Kit, 1/2", 3.00 GPM, 24"L
4091669	Hose Kit, 1/2", 2.00 GPM, 24"L, w/Strainer	4091671	Hose Kit, 1/2", 3.00 GPM, 24"L, w/Strainer



THERMOSTATS

PART NUMBER	DESCRIPTION	APPROX. WT.	FEATURES		
			CONNECTION	STAGE	DISPLAY
6041206	Islandaire Non-Programmable, 2 Fan Speed	1.0 lbs.	Wireless	Single	Horizontal
6041210	Islandaire Programmable, 2 Fan Speed	1.0 lbs.	Wireless	Single	Horizontal
6041228	Islandaire Programmable (7 Day/5-1-1 Day/ Non-Programmable), Two Fan Speed	1.0 lbs.	Wired	Single	Horizontal
6041373	Islandaire Wireless, WiFi Programmable	1.0 lbs.	Wireless	Single	Horizontal
6041374	Islandaire Wireless, WiFi (Receiver Only)	1.0 lbs.	N/A	N/A	N/A
6041375	Wet Switch Kit for 6041373 Thermostat	1.0 lbs.	N/A	N/A	N/A



LINE CORD/HARDWIRE KITS

PART NUMBER	DESCRIPTION	APPROX. WT.	DIMENSIONS		
			DEPTH	WIDTH	HEIGHT
4092552	EZAV Hardwire Kit, 48", 115/277V	2 lbs.	N/A	N/A	N/A
4092539	EZAV Hardwire Kit, 48", 208/230V	2 lbs.	N/A	N/A	N/A
6160146	Line Cord, 277V, 15 Amp (6 Foot)	2 lbs.	-	-	-
6160032	Line Cord, 277V, 20 Amp (6 Foot)	2 lbs.	-	-	-
6160676	Line Cord, 277V, 30 Amp (6 Foot)	2 lbs.	-	-	-



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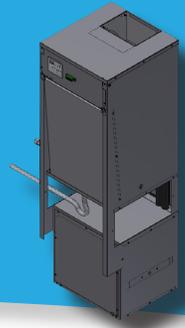


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EZ Series VH Unit Available

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