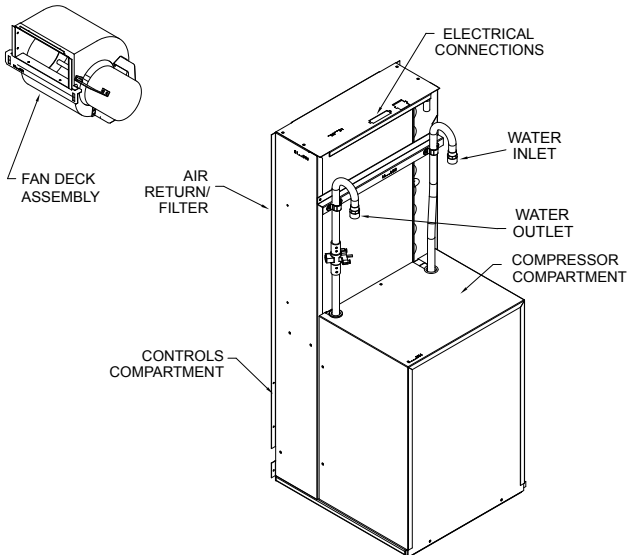
Islandaire
The perfect fit.™

EZ SERIES V7

Vertical Water Source Heat Pump
Replaces Climate Master 816/817 Unit

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 unit has the same connection locations, and by using the existing blower section and existing cabinet, time and money is saved! This appliance is intended for new construction or replacement of Climate Master 816 and 817 water source heat pumps with 180° bend water inlet/outlet pipe orientation. Please confirm that the electrical rating of this appliance matches the electrical supply available before beginning installation.



Features:

- Proudly Assembled in the U.S.A.
- Superior energy efficient ratio (EER)
- 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
- Refrigerant circuit access ports
- Blower assembly, control module or remote available
- Float Switch provided as standard equipment

C ETL US LISTED Intertek

R32 Refrigerant

DESIGNED ENGINEERED ASSEMBLED IN THE USA ISLANDAIRE

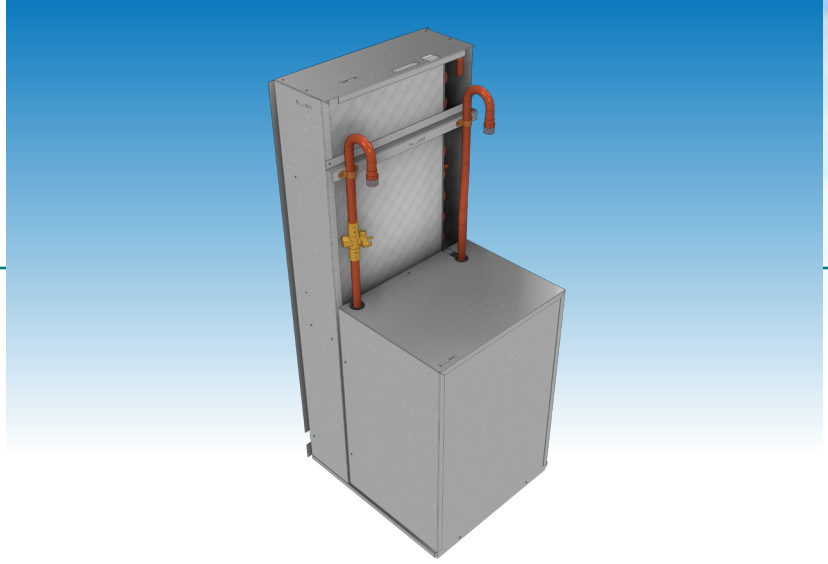
EZ 12 L 4 V7 A 1 N 4 4 A A

- **Component:** EZ - Cooling Chassis
- **Cooling Capacity:** 09 - 9,500 BTU; 12 - 12,000 BTU; 15 - 15,000 BTU; 18 - 18,000 BTU; 24 - 24,000 BTU
- **Voltage/Line Cord:** 4 - 208/230v, Hard Wire; 6 - 115v, Hard Wire; 8 - 277v, Hard Wire
- **System Type:** L - Heat Pump R32
- **Model Type:** V7 - Climatemaster 816
- **Identity Code:** 0 - Special; 4 - Standard
- **Functional Options:** A - None
- **Heating Options:** A - None Cooling Only
- **Hydronic Options:** 1 - None; F - Coaxial Line Volt Normally Closed *; G - Coaxial 24v Normally Closed *; H - Coaxial Line Volt Normally Open *; I - Coaxial 24v Normally Open *; * Hydronic Valve included with unit
- **Room Controls:** E - Wireless Thermostat (specify type when ordering); N - Wall Thermostat Interface, Std. Elect. Cntrls
- **Return/Discharge Options:** 4 - Front Ret./Top Dis.
- **Power Mgt. Options:** A - None

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

6140613 Rev. A, ECN 10079

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EZ SERIES V7

MODELS

	EZ09			EZ12			EZ15		EZ18		EZ24	
VOLTS	115	208 / 230	277	115	208 / 230	277	208 / 230	277	208 / 230	277	208 / 230	277
BTUH COOL	8,900	8,900 / 8,900	8,900	11,600	11,600 / 11,600	11,600	14,400 / 14,400	14,400	17,100 / 17,100	17,100	23,800 / 23,800	23,800
AMPS COOL	6.35	3.51 / 3.17	2.64	8.26	4.57 / 4.13	3.43	5.67 / 5.13	4.26	6.32 / 5.72	4.75	8.80 / 7.96	6.61
WATTS COOL	730	730 / 730	730	950	950 / 950	950	1,180 / 1,180	1,180	1,315 / 1,315	1,315	1,830 / 1,830	1,830
EER	12.2	12.2 / 12.2	12.2	12.2	12.2 / 12.2	12.2	12.2 / 12.2	12.2	13.0 / 13.0	13.0	13.0 / 13.0	13.0
BTUH HEATING	11,900	11,900 / 11,900	11,900	13,600	13,600 / 13,600	13,600	17,400 / 17,400	17,400	21,100 / 21,100	21,100	22,700 / 22,700	22,700
AMPS HEATING	7.04	3.89 / 3.52	2.92	8.04	4.45 / 4.02	3.34	5.70 / 5.15	4.28	6.92 / 6.26	5.20	7.43 / 6.72	5.58
WATTS HEATING	810	810 / 810	810	925	925 / 925	925	1,185 / 1,185	1185	1,440 / 1,440	1440	1,545 / 1,545	1545
C.O.P.	4.3	4.3 / 4.3	4.3	4.3	4.3 / 4.3	4.3	4.3 / 4.3	4.3	4.3 / 4.3	4.3	4.3 / 4.3	4.3
AIR CFM[1]	300	300 / 300	300	400	400 / 400	400	500 / 500	500	600 / 600	600	874 / 874	874
WATER GPM	2.0	2.0 / 2.0	2.0	3.0	3.0 / 3.0	3.0	3.8 / 3.8	3.8	4.6 / 4.6	4.6	6.0 / 6.0	6.0
SOUND LVL (dBA)[2]	51	51	51	53	53	53	57	57	64	64	61	61
WEIGHT (LB)	90	90	90	95	95	95	100	100	108	108	120	120

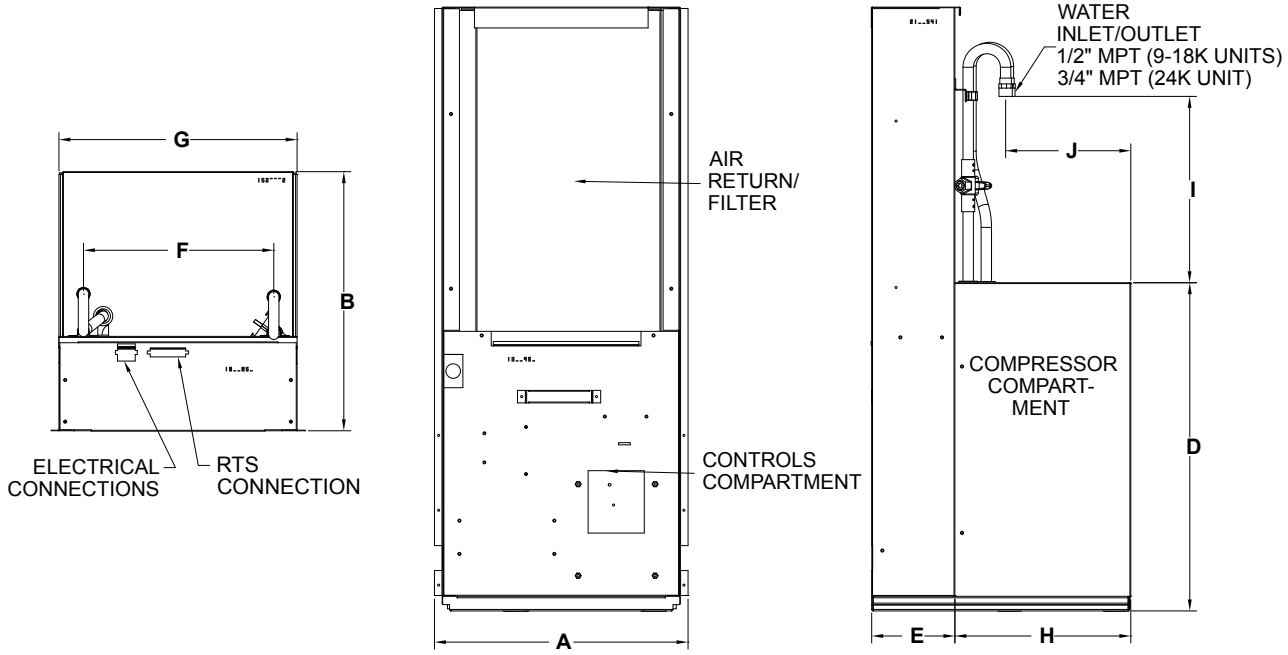
Notes:
1) CFM values are dry coil (not in cooling mode).
2) Sound values represent sound pressure levels.
3) Data based on AHRI/ASHRAE/ISO 13256-1:
   Cooling (EAT): 80.6 °F DB\66.2 °F WB
   Cooling (EWT): 86 °F
   Heating (EAT): 68 °F
   Heating (EWT): 68 °F
4) Water Loop Operation
   Cooling LWT - EWT = 10 °F
   Heating EWT - LWT = 10 °F

ENVIRONMENTALLY SOUND REFRIGERANT

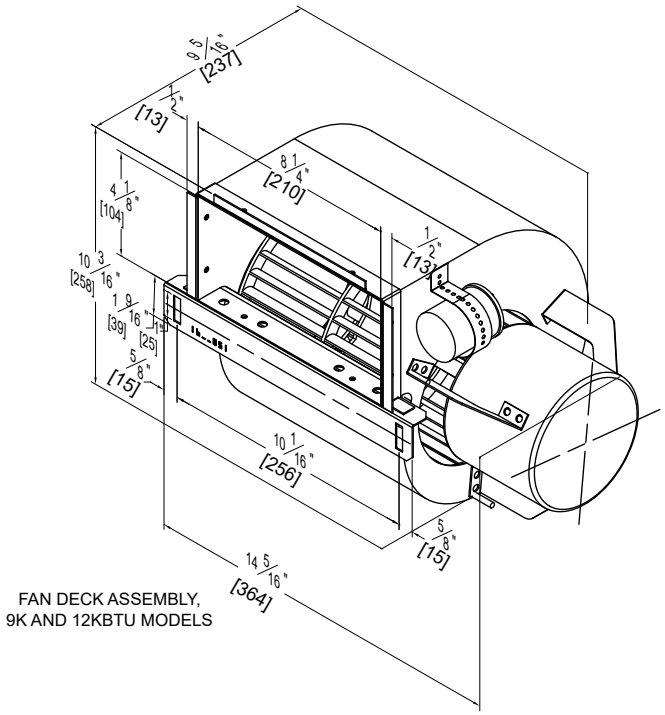
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EZ SERIES V7

Unit Dimensions

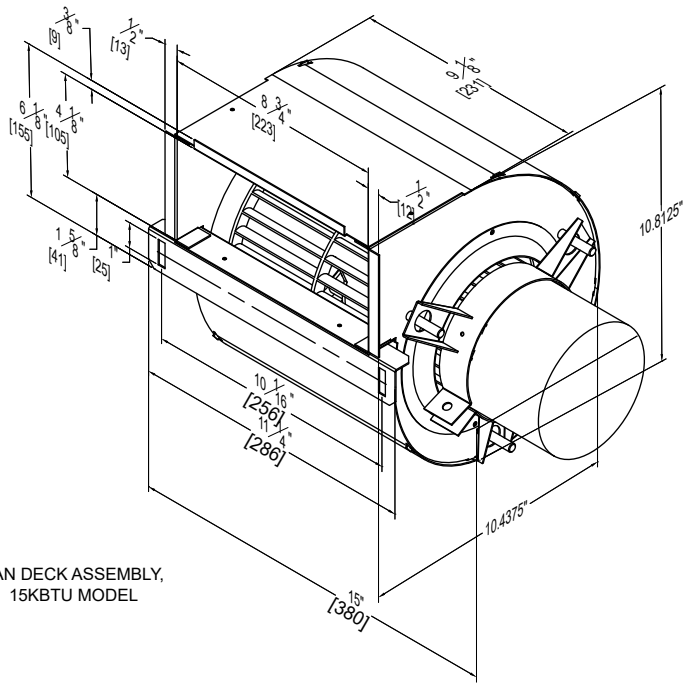


CHASSIS DIMENSIONS (IN./MM)										
Unit Size (kBTU)	A	B	C	D	E	F	G	H	I	J
09 - 15	15.24/387	15.57/395	36.29/922	19.73/501	5.00/127	11.50/292	14.13/359	10.57/269	11.20/285	7.52/191
18	18.93/481	17.57/446	41.30/1049	18.13/461	6.50/165	13.50/343	17.50/445	11.07/281	15.62/397	5.83/148
24	22.30/566	21.57/548	41.25/1048	17.63/448	7.40/188	14.86/377	21.38/543	14.16/360	16.53/420	9.07/230

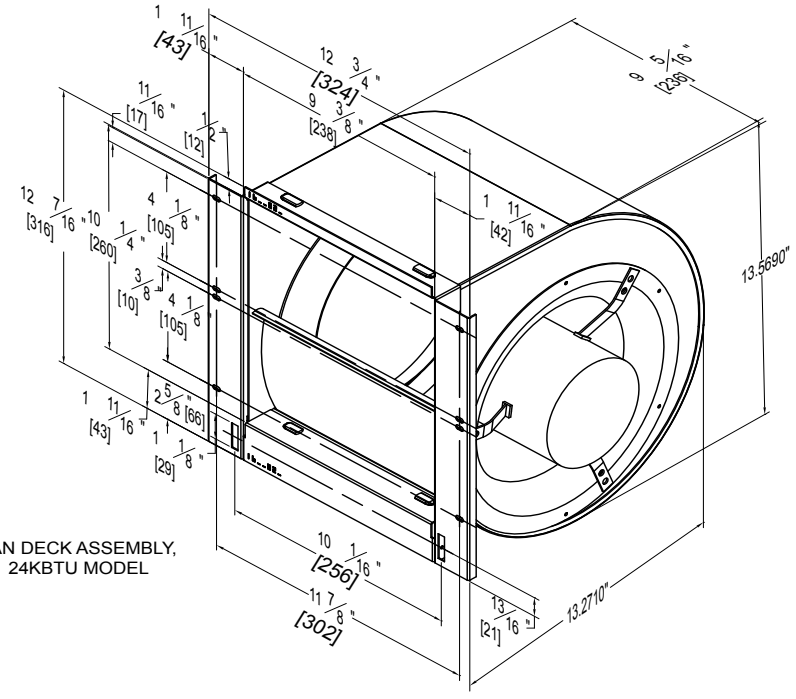


FAN DECK ASSEMBLY, 9K AND 12KBTU MODELS

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FAN DECK ASSEMBLY,
15KBTU MODEL



FAN DECK ASSEMBLY,
24KBTU MODEL

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HOSE KITS

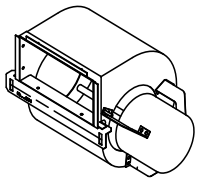
PART NUMBER	DESCRIPTION	PART NUMBER.	DESCRIPTION
4091501	Hose Kit, 1/2", 2.00 GPM, 18"L	4091760	Hose Kit, 1/2", 4.00 GPM, 24"L
4091683	Hose Kit, 1/2", 2.00 GPM, 18"L, w/Strainer	4091761	Hose Kit, 1/2", 4.00 GPM, 24"L, w/Strainer
4091261	Hose Kit, 1/2", 2.00 GPM, 24"L	4091766	Hose Kit, 1/2", 4.50 GPM, 18"L
4091669	Hose Kit, 1/2", 2.00 GPM, 24"L, w/Strainer	4091767	Hose Kit, 1/2", 4.50 GPM, 18"L, w/Strainer
4091576	Hose Kit, 1/2", 3.00 GPM, 18"L	4091768	Hose Kit, 1/2", 4.50 GPM, 24"L
4091685	Hose Kit, 1/2", 3.00 GPM, 18"L, w/Strainer	4091769	Hose Kit, 1/2", 4.50 GPM, 24"L, w/Strainer
4091577	Hose Kit, 1/2", 3.00 GPM, 24"L	4091778	Hose Kit, 3/4", 6.00 GPM, 18"L
4091671	Hose Kit, 1/2", 3.00 GPM, 24"L, w/Strainer	4091779	Hose Kit, 3/4", 6.00 GPM, 18"L, w/Strainer
4091758	Hose Kit, 1/2", 4.00 GPM, 18"L	4091780	Hose Kit, 3/4", 6.00 GPM, 24"L
4091759	Hose Kit, 1/2", 4.00 GPM, 18"L, w/Strainer	4091781	Hose Kit, 3/4", 6.00 GPM, 24"L, w/Strainer





FAN DECKS

PART NUMBER	DESCRIPTION	APPROX WT.	DIMENSIONS		
			HEIGHT	WIDTH	DEPTH
4050946	Fan Deck Assy, V7/V8, 9K, 115V	X lbs.	10.250"	14 .500"	9.500"
4050868	Fan Deck Assy, V7/V8, 9K, 230V	X lbs.	10.250"	14 .500"	9.500"
4050947	Fan Deck Assy, V7/V8, 9K, 277V	X lbs.	10.250"	14 .500"	9.500"
4050962	Fan Deck Assy, V7/V8, 12K, 115V	X lbs.	10.250"	14 .500"	9.500"
4050961	Fan Deck Assy, V7/V8, 12K, 230V	X lbs.	10.250"	14 .500"	9.500"
4050960	Fan Deck Assy, V7/V8, 12K, 277V	X lbs.	10.250"	14 .500"	9.500"
4050965	Fan Deck Assy, V7/V8, 15K, 230V	X lbs.	10.438"	15.000"	10.813"
4050963	Fan Deck Assy, V7/V8, 15K, 277V	X lbs.	10.438"	15.000"	10.813"
4050964	Fan Deck Assy, V7/V8, 18K, 230V	X lbs.	10.438"	15.000"	10.813"
4050836	Fan Deck Assy, V7/V8, 18, 277V	X lbs.	10.438"	15.000"	10.813"
4050862	Fan Deck Assy, V7/V8, 24K, 230V	X lbs.	13.563"	12.750"	13.250"
4050958	Fan Deck Assy, V7/V8, 24K, 277V	X lbs.	13.563"	12.750"	13.250"



MOTORIZED VALVES

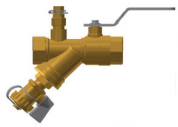
PART NUMBER	DESCRIPTION	APPROX WT.	FEATURES		
			VOLTAGE	TYPE	INLET
6041215	Actuator, 24 Vac, Normally Closed	1.0 lbs.	24 Vac	NC	N/A
6041256	Actuator, 24 Vac, Normally Open	1.0 lbs.	24 Vac	NO	N/A
6041214	Valve Body, 1/2"Thread, NPT	1.0 lbs.	N/A	N/A	NPT
6041298	Valve Body, 3/4"Thread, NPT	1.0 lbs.	N/A	N/A	NPT



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MISCELLANEOUS

PART NUMBER	DESCRIPTION	APPROX WT.	FEATURES
4091692	Integrated Condensate Pump	1.1 lbs.	3.38"D x 1.57"W x 1.84"H
6041223	Strainer, 1/2" Dia. Hose Kit	1.0 lbs.	Use with 1/2" dia. Hose Kit
6041300	Strainer, 3/4" Dia. Hose Kit	1.0 lbs.	Use with 3/4" dia. Hose Kit



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



FILTERS

PART NUMBER	DESCRIPTION	APPROX WT.	DIMENSIONS		
			DEPTH	WIDTH	HEIGHT
6080086	Fiberglass, MERV 4, 09/12/15/18 kBTU Units	2 lbs.	1.00"	17.25"	9.25"
6080104	Fiberglass, MERV 4, 24 kBTU Units	2 lbs.	1.00"	17.25"	7.25"



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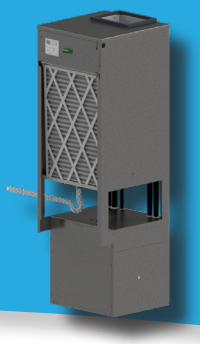
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