

**Horizontal Water Source Heat Pump Unit -  
 Replaces American Air Filter/ Enercon 'HW' Series**

**NOMINAL CAPACITY:**

9,000, 12,000, 19,000, 26,000, 33,000,  
 40,000, 51,000, 55,000 BTU/h

ColdPoint Corp, Rome, New York 13440 • Phone (315)339-2331 • Fax (315)339-2358 • Web: www.adirondackaire.com



**Description:**

*Adirondack-Aire 'HW' Series zerOzone* chassis provides **environment friendly, high efficiency cooling and heating** where **individual, quiet control** of space is a priority. This application flexible unit is also a **direct replacement** for *American Air Filter/ Enercon 'HW'* series ducted horizontal water source heat pump units. The 'HW' is a complete unit that contains the compressor, blower, air heat exchanger, water heat exchanger, and safety and control components. Low Voltage wiring is compatible with the **original wall thermostat. Duct connections** are identical and line right up with the **existing ductwork**. A full range of unit sizes are available and each are **dimensionally identical** to the original for a fast, easy, and trouble free installation. Quality components, careful design and testing and the latest in environment friendly technology assure EPA compliance, long life, user satisfaction,

and lower energy cost! Consider the extensive list of standard features which includes: **powder painted drain pan, refrigerant circuit access ports, thermostatic expansion valve, high efficiency 'PSC' blower motor & dynamically balanced DWDI blower wheel, evaporator freeze protection, water coil freezestat, high-pressure over protection, and lockout circuit.....** and *Adirondack-Aire* is the replacement solution the competition can't match. Heavy gauge **mounting brackets** and **isolation grommets** are provided. *Cold Point Corp.* backs the 'HW' with a customer friendly **one-year parts and labor warranty** and **five-year compressor warranty**, (see *Warranty* document for details).

**Application & Benefits:**

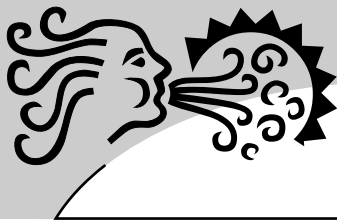
The *Adirondack-Aire 'HW'* series **zerOzone** replacement units **fit the existing** space and ductwork without modifications. The unit installs without the need for **water loop shut-down or draining**. Water, drain, hanger bracket, ductwork, and electrical connections **line right up** to the original installation. The standard high-pressure switch and evaporator coil freeze protection stops unit operation **before damage occurs** should airflow become reduced or obstructed due to dirty coils, obstructed airflow, or motor failures or lock-up. A freezestat protects the water coil from **freeze damage** due to water temperature or flow problems. The water coil is designed for low water-side pressure drop eliminating potential **pump sizing** and **water flow** problems. High efficiency compressors provide demonstrated **reliability** and **low sound** levels and cut **energy costs**...and because the chassis dimensions and construction details are like the original, replacement work is **fast and easy**. Using *Adirondack-Aire* replacements **eliminates** the need for **room renovation, redecorating, ductwork** and **pipng changes** and is *the solution* that gets your property back in service quickly and at the **lowest total cost**.

**Options/Accessories:**

- 115V, 265/ 277V 1F, 208/230V 3F, 460V 3F (availability varies by model size)
- Flow control valve
- Unit mounted filter
- Hose kits

**Standard Features**

- 1). Made in USA
  - 2). Designed for easy installation & compatibility. Dimensionally identical to original *American Air Filter/Enercon* unit
  - 3). ETL APPROVED
  - 4). Quiet, durable, and efficient compressor with built-in pressure & temperature protection
  - 5). Heavy Gauge G90 galvanized steel construction
  - 6). Powder painted drain pan
  - 7). High efficiency copper tube-aluminum fin evaporator coil
  - 8). High efficiency coaxial condenser coil with low water-side pressure drop
  - 9). DWDI centrifugal blower w/high efficiency PSC motor
  - 10). High Pressure switch
  - 11). Frost free cooling
  - 12). Water coil freeze protection
  - 13). Refrigerant circuit access ports
  - 14). Bi-flow thermostatic expansion valve
  - 15). Positive shift reversing valve\*
  - 16). Precision charged with **zerOzone** R-410A refrigerant
  - 17). ½ " & ¾ " FPT water connections
- \*Standard on specific models. Consult Factory



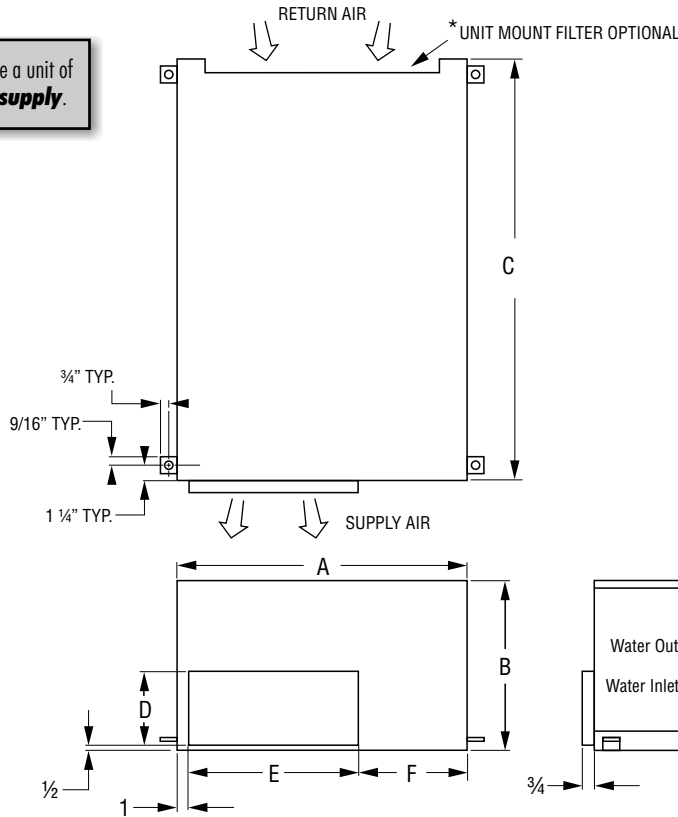
# HW Dimensions and Specifications

**Note:** Due to Cold Point Corporation's ongoing quality & product development programs, design and specifications may change. Always consult factory to verify the information provided here.



## DIMENSIONAL DETAIL 'HW'

**IMPORTANT!** Chassis must replace a unit of like capacity to assure proper **power supply**.



Model No.	HW-09 HW-12	HW-19 HW-26	HW-33 HW-40	HW-51 HW-55
"A"	20"	25"	30"	36"
"B"	12"	16"	18"	20"
"C"	30"	35"	40"	44"
"D"	5"	6 1/2"	8"	12"
"E"	11 1/2"	14"	19"	21"
"F"	7 1/2"	10"	10"	14"
"G"	8 3/8"	13 5/8"	16 1/8"	18 7/8"
"H"	17 1/4"	21 3/8"	24"	26 3/4"
"J"	2 3/8"	2 3/8"	2 5/8"	2 5/8"
"K"	1/2" FPT	1/2" FPT	3/4" FPT	3/4" FPT

Model No.	Chassis Weight (lbs)
09	120
12	125
19	175
26	180
33	245
40	256
51	310
55	335

### HW- Series ZEROZONE Performance Ratings\* (Preliminary)

Model	COMP	Cooling			Heating		Water Coil		CFM		Refrig
		BTUH	SENS BTUH	EER	BTUH	COP	GPM	P-D(ft)	Rated	ESP.	
09	Rty.	10,100	7,700	13.4	11,800	4.5	2.5	1.8	300	0.10"	R410A
12	Rty.	13,500	10,700	11.5	16,700	4.2	3.0	2.5	450	0.15"	R410A
19	Rty.	18,500	14,500	13.1	23,400	4.6	5.0	4.0	600	0.20"	R410A
26	Recip.	25,700	19,900	13.5	29,600	4.5	6.5	7.4	800	0.20"	R410A
33	Recip.	33,000	24,800	13.2	40,000	4.4	8.3	4.0	1,000	0.30"	R410A
40	Recip.	40,000	30,600	13.3	49,000	4.5	10.0	5.6	1,200	0.30"	R410A
51	Recip.	51,600	41,400	14.6	60,900	4.9	12.5	7.2	1,600	0.40"	R410A
55	Recip.	53,000	43,400	13.8	66,000	4.9	13.8	4.5	1,800	0.40"	R410A

\*Rated in Accordance with ARI standard #320

### HW ZEROZONE Electrical Specifications

Model	Voltage/ HZ/Ph*	FAN HP	FAN AMPS	Comp RLA	Comp LRA	TOTAL AMPS	CKT AMPS	MIN. Volts	MAX FUSE
09	115/60/1	1/5	3.2	7.7	45.6	10.9	12.9	104	20
09	208/230/60/1	1/5	1.2	3.6	22.0	4.8	5.8	197	15
09	265/60/1	1/5	1.2	3.4	19.6	4.7	5.6	240	15
12	208/230/60/1	1/5	1.2	4.7	25.0	5.9	7.1	197	15
12	265/60/1	1/5	1.2	4.2	22.0	5.4	6.5	240	15
19	208/230/60/1	1/5	1.2	7.4	33.0	8.6	10.5	197	15
19	265/60/1	1/5	1.2	6.0	28.0	7.2	8.7	240	15
26	208/230/60/1	1/3	2.7	8.0	43.0	10.7	12.7	197	20
26	265/60/1	1/3	1.9	7.8	58.0	9.7	11.7	240	20
33	208/230/60/1	1/3	2.7	11.6	74.0	14.3	17.2	197	25
33	460/60/3	1/3	0.8	3.8	34.0	4.6	5.6	414	15
40	208/230/60/1	1/3	2.7	13.6	88.0	16.3	19.7	197	30
40	460/60/3	1/3	5.7	4.4	34.0	10.1	11.2	414	15
51	208/230/60/1	1/2	3.4	15.7	84.0	19.1	23.0	197	35
51	460/60/3	1/2	1.2	5.6	44.0	6.8	8.2	414	15
55	208/230/60/1	1/2	3.4	18.5	105.0	21.9	26.5	197	45
55	460/60/3	1/2	1.2	6.2	69.0	7.4	1.2	414	15

\*115V,208/230V 3ph,265/277V,460V 3ph,  
(availability varies by model size)

### HW ZEROZONE Specifications

Model Number	HW 09	HW 12	HW 19	HW 26	HW 33	HW 40	HW 51/ 55
Blower Motor H.P.	1/5	1/5	1/5	1/5	1/3	1/3	1/2
Blower Wheel (in. d X w)	7 1/2 x 7 5/8	7 1/2 x 7 5/8	9 1/2 x 6	9 1/2 x 6	9 1/2 x 9 1/2	9 1/2 x 9 1/2	10 5/8 x 10 5/8
Nominal Rated CFM	400	400	600	800	1,000	1,200	1,600
Air Coil Face Area (ft <sup>2</sup> )	1.11	1.11	2.04	2.04	2.45	2.89	4.0
Coil Rows	3	3	2	3	3	3	4
Filter W X H (in.) - 1" thick*	18 x 11	18 x 11	23 x 15	23 x 15	28 x 17	28 x 17	34 x 19

\*Filter Optional

