

18,930 BTUH (@ 95°F ENCLOSURE & 50°F WATER TEMPERATURES)

INDOOR/OUTDOOR, UL TYPES 12, 4 & 4X AVAILABLE

When ambient conditions are extreme, Air-to-Water Heat Exchangers by Thermal Edge provide reliable, efficient, and cost-effective solutions. Ideal for high ambient conditions and tough industrial environments, these air-to-water heat exchangers provide contaminant-free cooling while minimizing energy use and maintenance cost.



Key Design Features

- Protection from outdoor contaminants with a closed loop design
- Constant elimination of condensate
- Easy maintenance with a filter free design
- Flexible application with the narrow body style fitting 16" deep enclosures
- Eliminates water and corrosion buildup in washdown applications with a sloped roof design and seam welded shroud
- Ruggedly designed for manufacturing environments in powder coated steel or corrosion resistant stainless steel
- Maintains UL Tested NEMA Type 12, 4, and 4X
- Ambient operating temperature: 34°F - 185°F
- Overall dimensions: 50" H x 15.8" W x 8.5" D

OPTIONS:

- Integrated digital temperature controller
- Solenoid water valve
- Water Leak Detection Switch
- Corrosive environment package
- Open door kill switch
- Aluminum or 316 stainless steel housing
- Enclosure mounted controller
- Dry contact alarm
- Remote monitoring options
- UL power cord

APPLICATIONS

Ideal for food processing plants, agricultural irrigation, waste-water treatment, automotive plants, flour milling and mining operations where water is readily available onsite.

ACCESSORIES:

Water supply shutoff valves

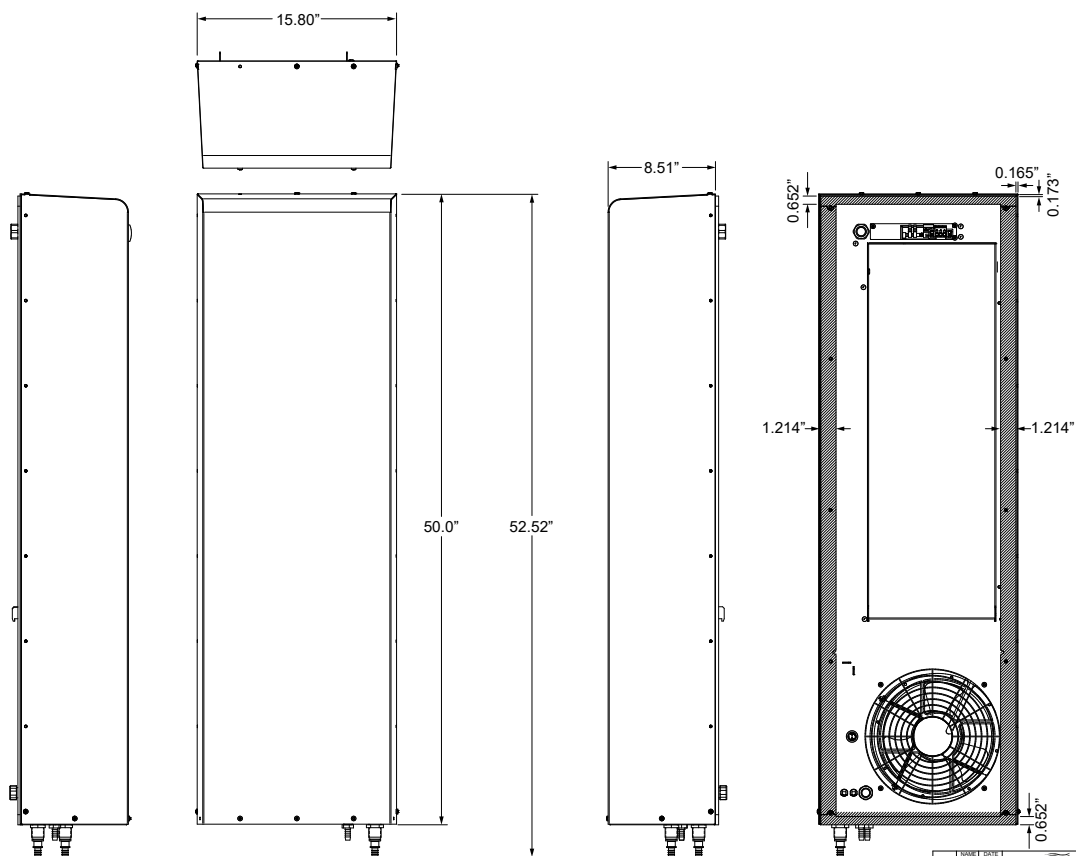



Model	UL Type	Material	Voltage/Phase/Hz.	Running Amps	Air Flow Rate (CFM @ 0 Static Pressure)	H x W x D	Weight (lbs.)
A2W2001212	12	Powder coated steel	115/1/50-60	2.51	670	50" x 15.8" x 8.5"	70
A2W2001204	4	Powder coated steel	115/1/50-60	2.51	670	50" x 15.8" x 8.5"	70
A2W200124X	4X	Stainless steel	115/1/50-60	2.51	670	50" x 15.8" x 8.5"	70
A2W2002312	12	Powder coated steel	230/1/50-60	1.26	670	50" x 15.8" x 8.5"	70
A2W2002304	4	Powder coated steel	230/1/50-60	1.26	670	50" x 15.8" x 8.5"	70
A2W200234X	4X	Stainless steel	230/1/50-60	1.26	670	50" x 15.8" x 8.5"	70
A2W2002312	12	Powder coated steel	460/1/50-60	0.63	670	50" x 15.8" x 8.5"	70
A2W2002304	4	Powder coated steel	460/1/50-60	0.63	670	50" x 15.8" x 8.5"	70
A2W200234X	4X	Stainless steel	460/1/50-60	0.63	670	50" x 15.8" x 8.5"	70

Figure 10: Cooling Capacity vs. Supply Water Temperature

The graph illustrates the cooling capacity (BTUH) of a system as a function of supply water temperature (°F) for three different enclosure temperatures: 105°F, 95°F, and 85°F. The cooling capacity decreases as the supply water temperature increases. The graph also indicates the water flow rate (GPM) for each enclosure temperature: 3 GPM and 6 GPM.

Supply Water Temp (°F)	105°F Enclosure Temp (BTUH)	95°F Enclosure Temp (BTUH)	85°F Enclosure Temp (BTUH)
45	~30,000	~26,000	~21,000
50	~27,000	~23,000	~18,000
55	~24,000	~20,000	~15,000
60	~21,000	~17,000	~12,000
65	~18,000	~14,000	~9,000



	NAME	DATE	 Thermal Edge Inc. A2W0200WC Packaging A2W200 <small>F.I.E. A2W0200 Packaging, Inc.</small>
Customer	Address	12/13/2022	
City/State			
Est. Appr.			
Order Appr.			
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES ANGLES ±1°/1 PL. 45°			

**All information subject to change without notice.*