



Thermal Edge Inc.

TEMPERATURE CONTROL SOLUTIONS FOR ELECTRICAL ENCLOSURES



Air-to-Water Heat Exchangers

Efficient and cost effective cooling for extreme ambient conditions

When ambient conditions are extreme, Hydro Edge 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.



Consistent Temperature Control

Precise temperature control of the electrical enclosure with the optional ability to regulate coolant flow.



Designed for Extreme Conditions

Ruggedly designed for manufacturing environments susceptible to extreme ambient or aggressive conditions.



Energy Efficient Operation

With efficient heat transfer capabilities, a water source absorbs and transfers electrical heat from the enclosure.



Cooling for a Wide Range of Applications

With cooling capacities up to 18,930 BTUH, these units provide liquid cooling for a wide range of cabinet cooling applications.



Thermal Edge Inc.™

Hydro Edge Series Air to Water Heat Exchangers

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KEY DESIGN FEATURES

- Closed-loop Design
- Filterless Maintenance Free
- Seam-welded Shrouds
- Rigid Chassis with Sloped Top
- Eliminates Condensation inside the Enclosure
- UL Type 12 & 4 - ANSI 61 Gray Powder Coat
- UL Type 4X – T304 Stainless Steel Shrouds
- Terminal Block Power Connection
- Maximum Water Pressure 100 PSI
- Ambient operating temperature: 34 - 140°

OPTIONS

- **Digital Controller** for precise control of enclosure temperature and **Solenoid Valve** to control water flow, eliminating waste
- Water Leak Detection Switch
- Dry Contact Alarm
- Open Door Kill Switch
- Corrosive Environment Package
- Aluminum or 316 Stainless Steel Housing
- Enclosure mounted controller
- Remote Monitoring Options
- UL Power Cord

APPLICATIONS

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

ACCESSORIES

- Water Supply Shutoff Valve



UL File # 33288



**1800 Hurd Drive
Irving, Texas 75038**





Hydro Edge Series Air to Water Heat Exchangers

Model	BTUH*	Air Flow Rate (CFM @ 0 Static Pressure)	Voltage/ Phase/Hz.	UL Type	Maximum Ambient	Running Amps	Weight (lbs.)	Dimensions H x W x D
A2W301212	3,690	129	115/1/50/60	12	140°F	0.37	21.4	19.71" x 11.80" x 5.00"
A2W301204	3,690	129	115/1/50/60	4	140°F	0.37	21.4	19.71" x 11.80" x 5.00"
A2W30124X	3,690	129	115/1/50/60	4X	140°F	0.37	21.4	19.71" x 11.80" x 5.00"
A2W302312	3,690	129	230/1/50/60	12	140°F	0.23	21.4	19.71" x 11.80" x 5.00"
A2W302304	3,690	129	230/1/50/60	4	140°F	0.23	21.4	19.71" x 11.80" x 5.00"
A2W30234X	3,690	129	230/1/50/60	4X	140°F	0.23	21.4	19.71" x 11.80" x 5.00"
A2W304812	3,690	129	460/1/50-60	12	140°F	0.12	21.4	19.71" x 11.80" x 5.00"
A2W304804	3,690	129	460/1/50-60	4	140°F	0.12	21.4	19.71" x 11.80" x 5.00"
A2W30484X	3,690	129	460/1/50-60	4X	140°F	0.12	21.4	19.71" x 11.80" x 5.00"
A2W601212	7,773	234	115/1/50/60	12	140°F	0.59	33.75	29.00" x 11.80" x 6.00"
A2W601204	7,773	234	115/1/50/60	4	140°F	0.59	33.75	29.00" x 11.80" x 6.00"
A2W60124X	7,773	234	115/1/50/60	4X	140°F	0.59	33.75	29.00" x 11.80" x 6.00"
A2W602312	7,773	234	230/1/50/60	12	140°F	0.38	33.75	29.00" x 11.80" x 6.00"
A2W602304	7,773	234	230/1/50/60	4	140°F	0.38	33.75	29.00" x 11.80" x 6.00"
A2W60234X	7,773	234	230/1/50/60	4X	140°F	0.38	33.75	29.00" x 11.80" x 6.00"
A2W604812	7,773	234	460/1/50-60	12	140°F	0.19	33.75	29.00" x 11.80" x 6.00"
A2W604804	7,773	234	460/1/50-60	4	140°F	0.19	33.75	29.00" x 11.80" x 6.00"
A2W60484X	7,773	234	460/1/50-60	4X	140°F	0.19	33.75	29.00" x 11.80" x 6.00"
A2W1001212	17,330	516	115/1/50/60	12	140°F	1.11	55	40.65" x 15.80" x 8.06"
A2W1001204	17,330	516	115/1/50/60	4	140°F	1.11	55	40.65" x 15.80" x 8.06"
A2W100124X	17,330	516	115/1/50/60	4X	140°F	1.11	55	40.65" x 15.80" x 8.06"
A2W1002312	17,330	516	230/1/50/60	12	140°F	0.60	55	40.65" x 15.80" x 8.06"
A2W1002304	17,330	516	230/1/50/60	4	140°F	0.60	55	40.65" x 15.80" x 8.06"
A2W100234X	17,330	516	230/1/50/60	4X	140°F	0.60	55	40.65" x 15.80" x 8.06"
A2W1004812	17,330	516	460/1/50-60	12	140°F	0.30	55	40.65" x 15.80" x 8.06"
A2W1004804	17,330	516	460/1/50-60	4	140°F	0.30	55	40.65" x 15.80" x 8.06"
A2W100484X	17,330	516	460/1/50-60	4X	140°F	0.30	55	40.65" x 15.80" x 8.06"
A2W2001212	18,930	662	115/1/50/60	12	140°F	2.51	70	50.01" x 15.80" x 8.51"
A2W2001204	18,930	662	115/1/50/60	4	140°F	2.51	70	50.01" x 15.80" x 8.51"
A2W200124X	18,930	662	115/1/50/60	4X	140°F	2.51	70	50.01" x 15.80" x 8.51"
A2W2002312	18,930	662	230/1/50/60	12	140°F	1.26	70	50.01" x 15.80" x 8.51"
A2W2002304	18,930	662	230/1/50/60	4	140°F	1.26	70	50.01" x 15.80" x 8.51"
A2W200234X	18,930	662	230/1/50/60	4X	140°F	1.26	70	50.01" x 15.80" x 8.51"
A2W2004812	18,930	662	460/1/50-60	12	140°F	0.63	70	50.01" x 15.80" x 8.51"
A2W2004804	18,930	662	460/1/50-60	4	140°F	0.63	70	50.01" x 15.80" x 8.51"
A2W200484X	18,930	662	460/1/50-60	4X	140°F	0.63	70	50.01" x 15.80" x 8.51"

* @ 95°F Enclosure & 50°F Water Temperatures @ 2 GPM

Note: NEMA 4X models available in T304 stainless steel (standard) or T316 stainless steel (optional).



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Efficient and cost effective cooling for extreme ambient conditions

Optional Intelligent system control and monitoring

Integrated digital controller for precise control of enclosure temperature and **solenoid valve** controls water flow eliminating waste

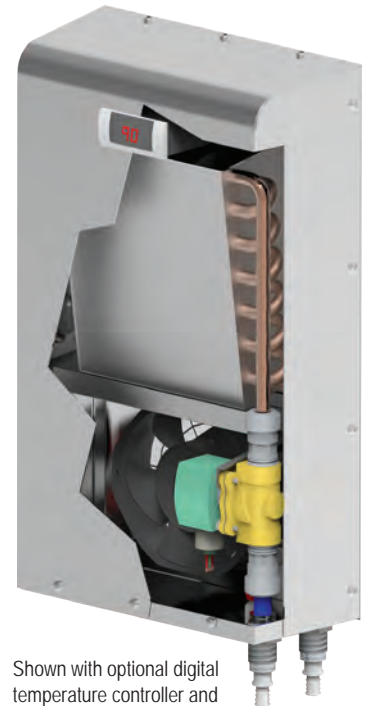
Protection from outdoor contaminants with a closed loop design.

Constant elimination of condensate ensures reliable and efficient condensation management

Flexible application with a narrow body style, fits 12" or 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



Shown with optional digital temperature controller and optional solenoid water valve.

**A2W30
Series**



3,690 BTU/H

**A2W60
Series**



7,773 BTU/H

**A2W100
Series**



17,330 BTU/H

**A2W200
Series**



18,930 BTU/H



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