CLIMAGUARD AIR-TO-AIR INDOOR

XR20
Models
4 W/°F (7 W/°C)

XR29-08
Models
8 W/°F (14 W/°C)

XR29-18
Models
18 W/°F (32 W/°C)

XR47-24
Models
24 W/°F (43 W/°C)

XR47-35
Models
35 W/°F (63 W/°C)

XR60-55
Models
55 W/°F (99 W/°C)

XR60-84
Models
84 W/°F (151 W/°C)

INDUSTRY STANDARDS

UL/cUL Listed; Type 12; File No. SA7402
UR/cUR Recognized

Type 12 on XR20 and XR29-08 models
Type 3R on XR29-18 and larger models when surface mounted vertically on an enclosure
CE
EAC

APPLICATION

- **Industrial automation**
- **Package handling equipment**
- **Security and defense systems**
- **And more**

FEATURES

- Unique counterflow aluminum core for high-efficiency and high-**performance heat transfer, except for the XR20 and XR29-08** which use a modified heat pipe core
- **Models for 115 and 230 VAC power input**
- **UL Listed or Recognized to save customers time and money with agency approvals**
- **Operating temperature range from -20 F/-29 C to 140 F/60 C**
- **Streamlined aesthetics with no visible mounting rails; Slim design allows for mounting to narrow or shallow enclosures**
- **Reliable top-quality bearing fans and impellers make these units run quietly and with increased reliability**
- **Low-carbon mild-steel sheet-metal cover for rugged factory environments**
- Easy-mount flanges for simple installation
- **Mounting hardware, gaskets and user manual furnished with the unit**
- **Every unit functionally tested before shipping**
- **Filterless design for low maintenance and easy cleaning**
- **Four fasteners allow simple removal of front cover for easy access**

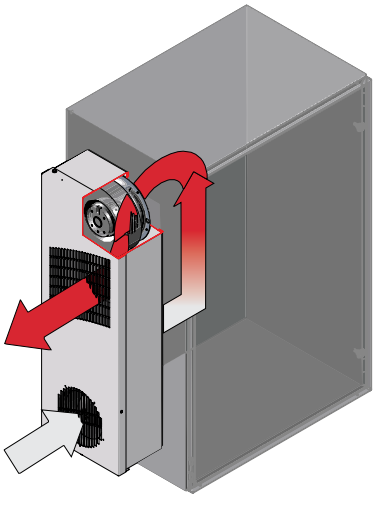
FINISH

- **RAL 7035 light-gray, semi-textured powder-coat paint standard**
- Stainless steel Type 304 or 316 finishes available
- **Other colors and textures available**

OPTIONS

- **Special Voltage Package**
- **Outdoor Package***
- **Stainless Steel Package***

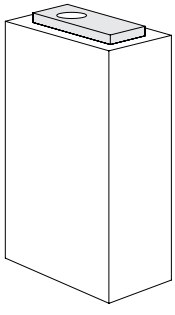
*** CLIMAGUARD may be more appropriate. Refer to CLIMAGUARD Air-to-Air Outdoor chapter. Consult the factory for availability and catalog number.**



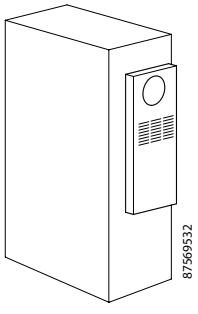
Performance Data XR20 Models 4 W/°F (7 W/°C)

CATALOG NUMBER	XR200416012	XR200426012
COOLING PERFORMANCE		
Nominal:		
W per °F	**4**	**4**
W per °C	**7**	**7**
Refrigerant	R-134A	R-134A
Refrigerant Charge (ounces/grams)	4/113	4/113
Operating Temperature Range:		
Maximum (°F/°C)	140/60	140/60
Minimum (°F/°C)	-20/-29	-20/-29
Airflow at 0 Static Pressure:		
Internal loop 50 Hz (CFM / m^3/hr.)	71/121	71/121
External loop 50 Hz (CFM / m^3/hr.)	75/127	75/127
Internal loop 60 Hz (CFM / m^3/hr.)	74/126	74/126
External loop 60 Hz (CFM / m^3/hr.)	78/132	78/132
ELECTRICAL DATA		
Rated Voltage	**115**	**230**
Frequency (Hz)	50/60	50/60
Operating Range	+/- 10%	+/- 10%
Max. Power Consumption (W at 50/60 Hz)	69	69
Max. Nominal Current (A at 50/60 Hz)	0.6	0.3
Agency Approvals	UL/cUL Listed CE EAC	
Power Input Description	Terminal Block	Terminal Block
ENCLOSURE PROTECTION		
UL Type	Type 12 standard	
SOUND LEVEL		
At 1.5 Meters	56 dBA	
UNIT CONSTRUCTION		
Material	Mild steel sheet metal standard Stainless steel optional	
Finish	RAL 7035 light-gray, semi-textured powder-coat paint standard	
UNIT DIMENSIONS		
Height (in./mm)	20/508	20/508
Width (in./mm)	7.5/190.5	7.5/190.5
Depth (in./mm)	3/76.2	3/76.2
Weight (lb./kg)	12/5.4	12/5.4

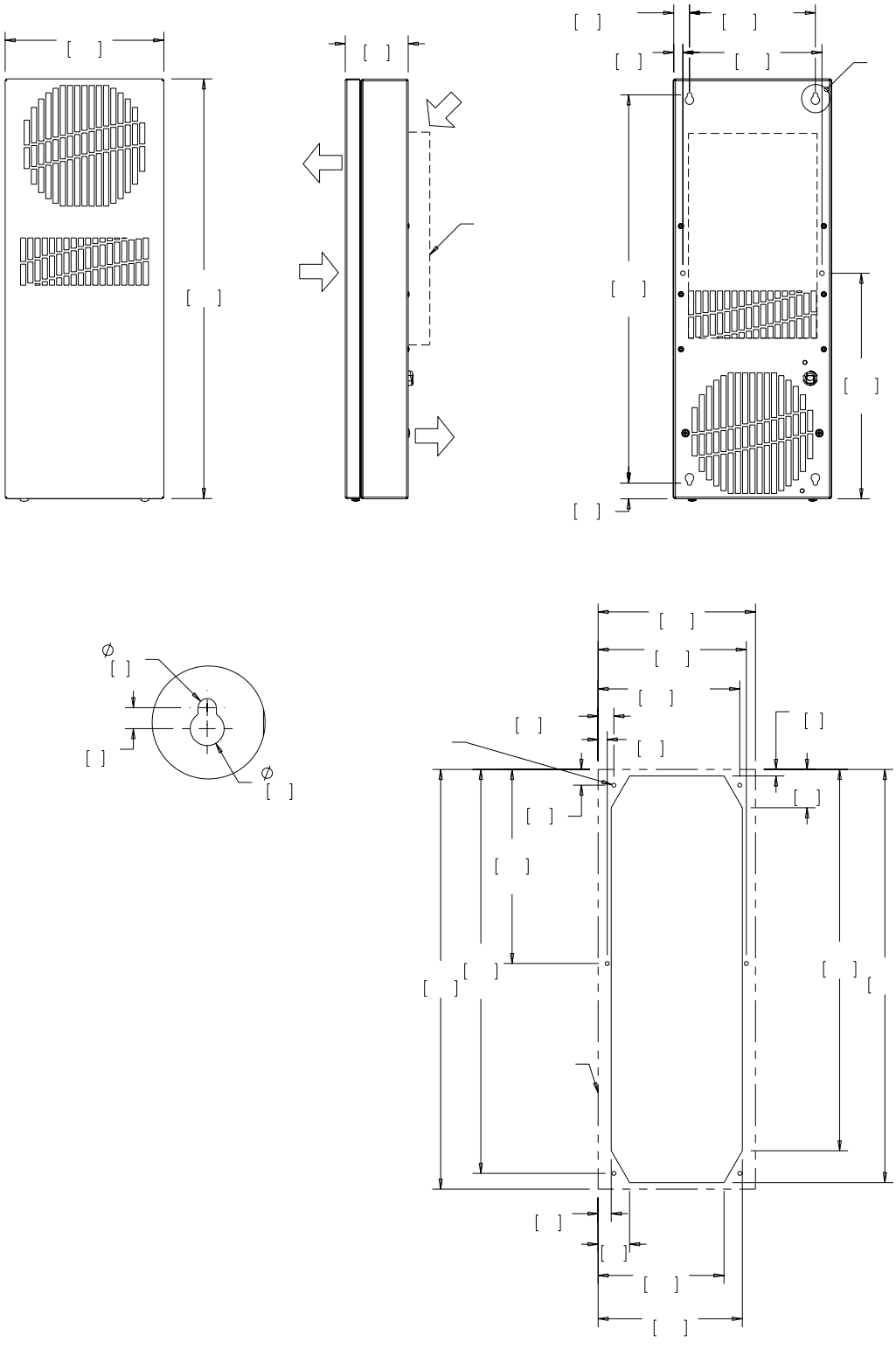
Mounting Options



External
Top-Mount



External
Vertical-Mount



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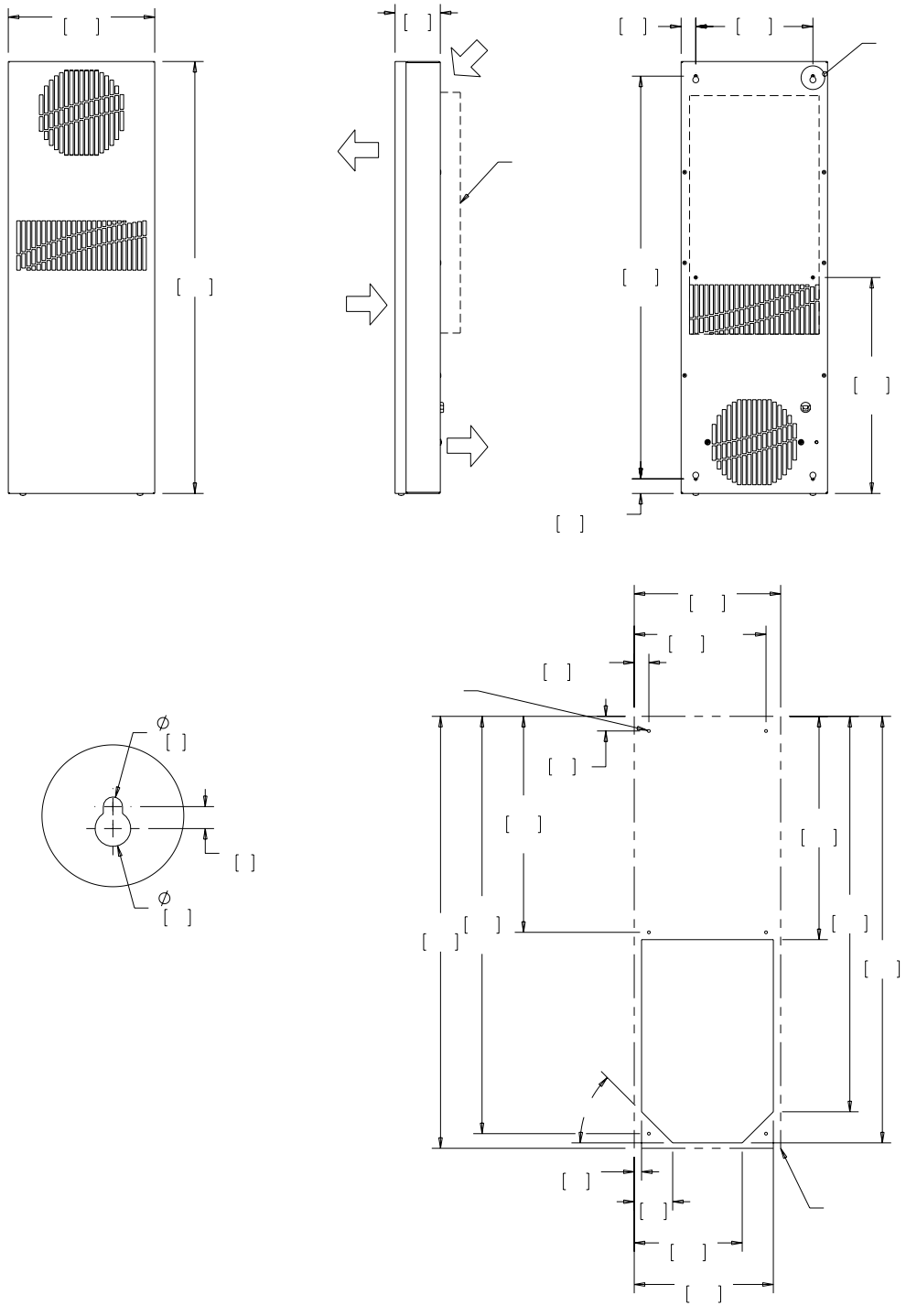
Performance Data XR29 Models 8 W/°F (14 W/°C)

CATALOG NUMBER		
	XR290816012	XR290826012
COOLING PERFORMANCE		
Nominal:		
W per °F	**8**	**8**
W per °C	**14**	**14**
Refrigerant	R-134A	R-134A
Refrigerant Charge (ounces/grams)	5.5/156	5.5/156
Operating Temperature Range:		
Maximum (°F/°C)	140/60	140/60
Minimum (°F/°C)	-20/-29	-20/-29
Airflow at 0 Static Pressure:		
Internal loop 50 Hz (CFM / m^3/hr.)	71/121	71/121
External loop 50 Hz (CFM / m^3/hr.)	75/127	75/127
Internal loop 60 Hz (CFM / m^3/hr.)	74/126	74/126
External loop 60 Hz (CFM / m^3/hr.)	78/132	78/132
ELECTRICAL DATA		
Rated Voltage	**115**	**230**
Frequency (Hz)	50/60	50/60
Operating Range	+/- 10%	+/- 10%
Max. Power Consumption (W at 50/60 Hz)	69	69
Max. Nominal Current (A at 50/60 Hz)	0.6	0.3
Agency Approvals	UL/cUL Listed CE EAC	
Power Input Description	Terminal Block	Terminal Block
ENCLOSURE PROTECTION		
UL Type	Type 12 standard	
SOUND LEVEL		
At 1.5 Meters	56 dBA	
UNIT CONSTRUCTION		
Material	Mild steel sheet metal standard Stainless steel optional	
Finish	RAL 7035 light-gray, semi-textured powder-coat paint standard	
UNIT DIMENSIONS		
Height (in./mm)	29.5/749.3	29.5/749.3
Width (in./mm)	10/254	10/254
Depth (in./mm)	3.09/78.5	3.09/78.5
Weight (lb./kg)	21/9.5	21/9.5



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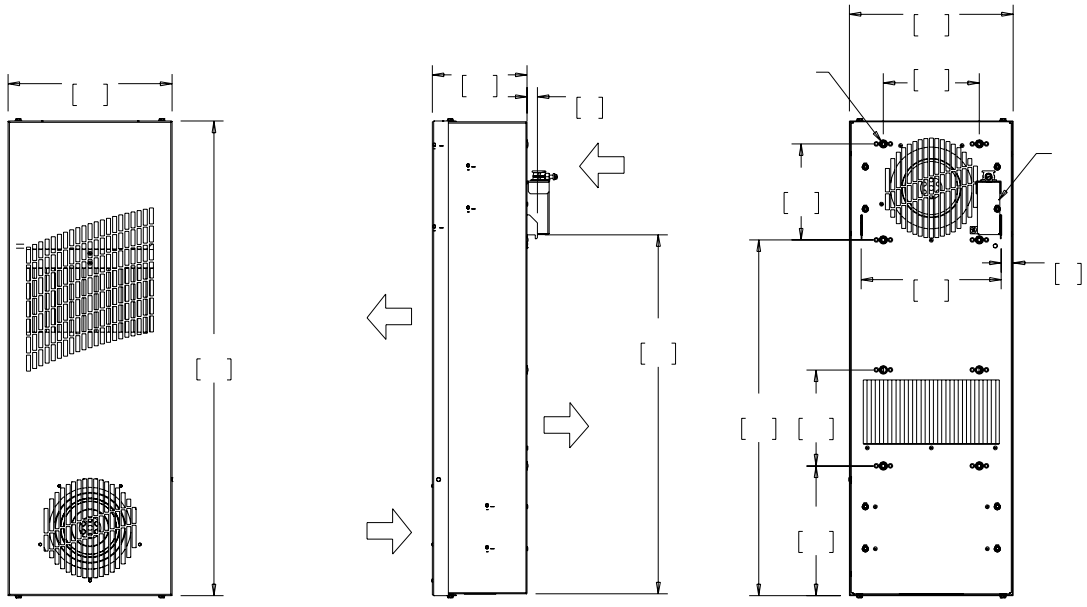
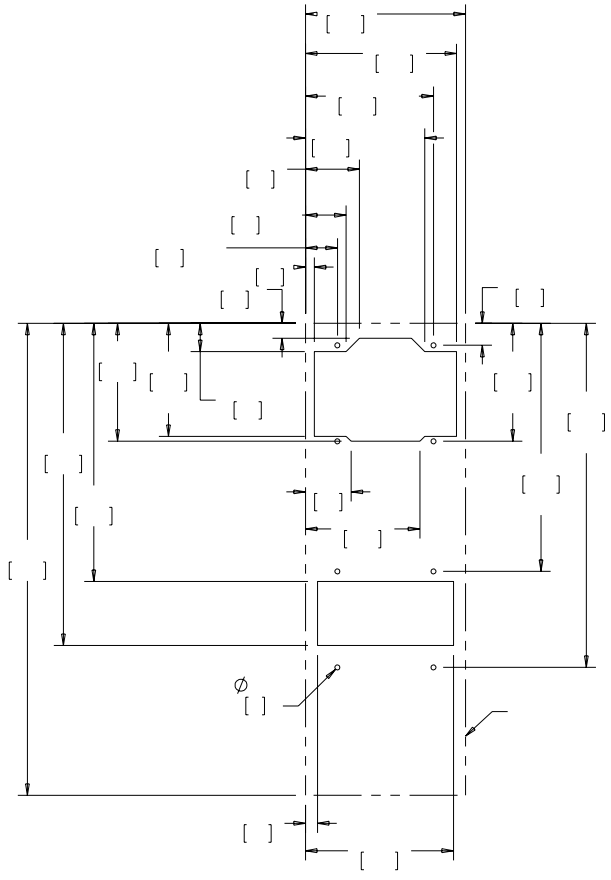
Performance Data XR29 Models 18 W/°F (32 W/°C)

CATALOG NUMBER		
	XR291816012	XR291826012
COOLING PERFORMANCE		
Nominal:		
W per °F	**18**	**18**
W per °C	**32**	**32**
Refrigerant	N/A	N/A
Refrigerant Charge (ounces/grams)	N/A	N/A
Operating Temperature Range:		
Maximum (°F/°C)	140/60	140/60
Minimum (°F/°C)	-20/-29	-20/-29
Airflow at 0 Static Pressure:		
Internal loop 50 Hz (CFM / m^3/hr.)	126/214	126/214
External loop 50 Hz (CFM / m^3/hr.)	120/204	120/204
Internal loop 60 Hz (CFM / m^3/hr.)	140/237	140/237
External loop 60 Hz (CFM / m^3/hr.)	133/226	133/226
ELECTRICAL DATA		
Rated Voltage	**115**	**230**
Frequency (Hz)	50/60	50/60
Operating Range	+/- 10%	+/- 10%
Max. Power Consumption (W at 50/60 Hz)	207	207
Max. Nominal Current (A at 50/60 Hz)	1.8	0.9
Agency Approvals	UL/cUL Listed CE EAC	
Power Input Description	Terminal Block	Terminal Block
ENCLOSURE PROTECTION		
UL Type	Type 12 standard Type 3R, 4, 4X optional	
SOUND LEVEL		
At 1.5 Meters	64 dBA	
UNIT CONSTRUCTION		
Material	Mild steel sheet metal standard Stainless steel optional	
Finish	RAL 7035 light-gray, semi-textured powder-coat paint standard	
UNIT DIMENSIONS		
Height (in./mm)	29.66/753.3	29.66/753.3
Width (in./mm)	10.24/260.1	10.24/260.1
Depth (in./mm)	5.92/150.4	5.92/150.4
Weight (lb./kg)	32/15	32/15





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Performance Data **XR60 Models 84 W/°F (151 W/°C)**

CATALOG NUMBER		
	XR608416012	**XR608426012**
COOLING PERFORMANCE		
Nominal:		
W per °F	**84**	**84**
W per °C	151	151
Refrigerant	**N/A**	**N/A**
Refrigerant Charge (ounces/grams)	**N/A**	**N/A**
Operating Temperature Range:		
Maximum (°F/°C)	**140/60**	**140/60**
Minimum (°F/°C)	**-20/-29**	**-20/-29**
Airflow at 0 Static Pressure:		
Internal loop 50 Hz (CFM / m^3/hr.)	**497/844**	**497/844**
External loop 50 Hz (CFM / m^3/hr.)	**434/737**	**434/737**
Internal loop 60 Hz (CFM / m^3/hr.)	**552/938**	**552/938**
External loop 60 Hz (CFM / m^3/hr.)	**482/819**	**482/819**
ELECTRICAL DATA		
Rated Voltage	115	**230**
Frequency (Hz)	**50/60**	**50/60**
Operating Range	**+/- 10%**	**+/- 10%**
Max. Power Consumption (W at 50/60 Hz)	**759**	**759**
Max. Nominal Current (A at 50/60 Hz)	**6.6**	**3.3**
Agency Approvals	**UL/cUL Listed CE EAC**	
Power Input Description	**6-ft. cord with NEMA 5-15 plug**	**6-ft. cord with NEMA 6-15 plug**
ENCLOSURE PROTECTION		
UL Type	**Type 12 standard Type 3R, 4, 4X optional**	
SOUND LEVEL		
At 1.5 Meters	**73 dBA**	
UNIT CONSTRUCTION		
Material	**Mild steel sheet metal standard Stainless steel optional**	
Finish	**RAL 7035 light-gray, semi-textured powder-coat paint standard**	
UNIT DIMENSIONS		
Height (in./mm)	**59.66/1515.3**	**59.66/1515.3**
Width (in./mm)	**15.24/387.1**	**15.24/387.1**
Depth (in./mm)	**9.92/252**	**9.92/252**
Weight (lb./kg)	**106/48**	**106/48**