

# MICRO-MINI AIR-COOLED PANEL-MOUNTED AIR CONDITIONERS



**NEMA  
TYPE 12  
MAINTAINED**



Model	NEMA Rating	UL/CUL Listed or Recognized	BTU/H Capacity	95/95 Rating BTU/H	Ambient Temp.		Volts	Hz	Running Amps	Approx. Weight lbs. kg.
					°F	°C				
KA4C1.0MML	12	Listed	1000	850	125/-20	52/-28	115/100	60/50	2.7	30 14

Rating shown is for operation at maximum ambient temperature.

## STANDARD FEATURES

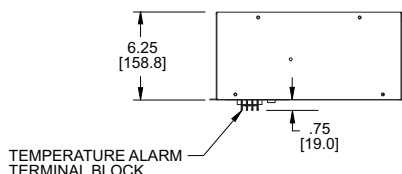
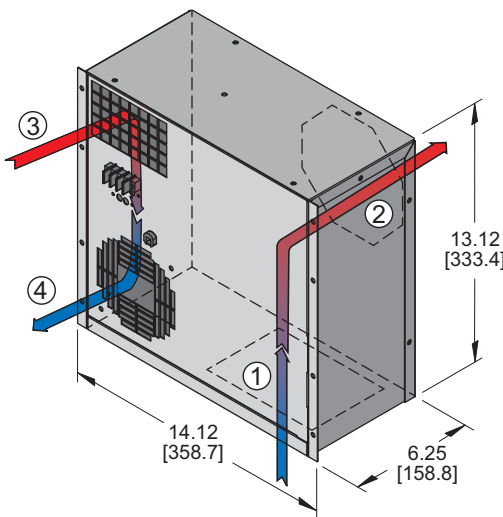
Ball-bearing Motors  
CFC-Free Refrigerant  
Closed-Loop Cooling  
Compressor Short Cycle Protector  
Filter  
NEMA 12 Rating Maintained (UL50)  
Programmable Thermostat  
Temperature Alarm  
UL/CUL Listed

## ACCESSORIES AND OPTIONS

Adapter  
Aluminum Shell  
Filter Recoating Adhesive  
High-Capacity Condensate  
Evaporator  
Internal Corrosion Protection  
Lifting Eyes  
Remote Monitoring  
Remote Thermostat Relay  
Replacement Filters  
Special materials or finishes  
Stainless Steel Shell  
Weather Protection Kit

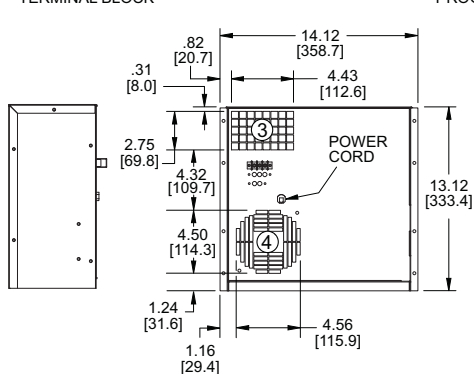
Find additional information on this model at [kooltronic.com](http://kooltronic.com), or use the Technical Documents QR code below.

Technical  
Documents

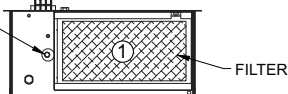


TEMPERATURE ALARM  
TERMINAL BLOCK

NOTE: REMOVE TOP PANEL TO ACCESS  
PROGRAMMABLE THERMOSTAT



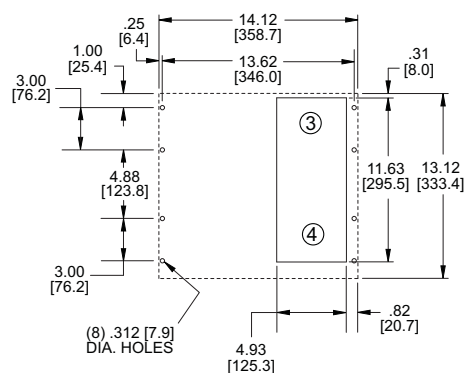
5' [1.52] LONG  
3/8" [9.52] ID  
CONDENSATE  
DRAIN TUBE  
(SHIPPED LOOSE)



- ① CONDENSER AIR INLET  
(Ambient Air In)
- ② CONDENSER OUTLET  
(Warm Ambient Air Out)

- ③ WARM AIR RETURN FROM  
ENCLOSURE
- ④ COOL AIR OUTLET  
TO ENCLOSURE

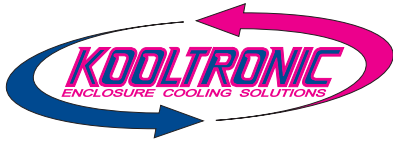
## MOUNTING PLAN



Many popular units are available as 3D solid models for customer system integration. Please contact Kooltronic for details.

Dimensions, inches [mm], are for reference only and subject to change.

mm.qxd (10/29/21) (CDR: 20367)



## MICRO-MINI AIR-COOLED PANEL-MOUNTED AIR CONDITIONERS

### DESCRIPTION

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KOOLTRONIC **Micro-Mini Air Conditioners** are ideal for low-capacity applications with space limitations. Mounted on any vertical panel of equipment enclosures, they occupy minimal floor space and no cabinet space. Hostile ambient air is sealed from the electronic cabinet air by the closed-loop design and gasketed mountings.

**Micro-Mini Air Conditioners** are suitable for applications that have low static pressures, where fans can provide adequate airflow.

Where rack mounting is required, special adapter plates are available.

Outdoor or corrosive environments require weather protection and/or special internal and external protective features.

For extreme ambient temperatures and/or severely contaminated environments, the use of Water-Cooled Air Conditioners is recommended.

**KOOLTRONIC also designs and manufactures a variety of Air Conditioners to meet unique specifications. We invite your inquiries about our modification and custom-design capabilities.**

### FEATURES AND BENEFITS (STANDARD)

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All models UL/CUL Listed, a standard of safety.

Ball bearing motors feature double-sealed or double shielded precision ball bearings.

CFC-free refrigerant provides a zero ozone depletion potential.

Closed-loop cooling provides stable temperature control while excluding dust and humidity.

Compressor short-cycling protection extends compressor life.

NEMA 12 rating maintained (UL50).

Programmable thermostat for operator set point adjustment.

Temperature alarm to alert if early action required.

### FEATURES AND BENEFITS (OPTIONAL)\*

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Adapter plate or plenum needed to replace older Kooltronic or competitor units.

High capacity condensate evaporator kit to collect, vaporize and discharge condensate to surrounding air.

Internal corrosion protection to increase reliability in hostile environments.

Remote monitoring for off-site checking via programmable thermostat.

Remote thermostat relay for control by a user-supplied control system.

Stainless steel or aluminum shells to satisfy a variety of application requirements.

Special paint finishes.

Weather protection kit for outdoor installations subject to rain, snow or windblown dirt.▲

\*Contact KOOLTRONIC for more information.

▲NOTE: Units using the weather protection kit are not UL Listed. Units installed outdoors may also require special exterior paint.

### REPLACEMENT FILTERS

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The Micro-Mini filter Part Number is 5001F (9.56" x 5.00" x 0.50" [243mm x 127mm x 13mm]).

