HAZARDOUS LOCATION SERIES
HL28LV (115-230V) NEMA 4/4X AIR CONDITIONERS



Model	NEMA Rating	UL/CUL Listed or Recognized	BTU/H Capacity	95/95 Rating BTU/H	Ambient Temp. °F Max.	°F Min.	°C Max.	°C Min.	Volts	Hz	Running Amps 125ºF/125ºF	Pressurized Compartment Volume cu. ft.	Air Leakage @ 0.25 i.w.g. Pressure CFM	Approx. Weight Lbs.	Kg.
KA4C3HL28LV	4/4X	Listed	3000	3124	132	-20	56	-28	115	60	10.2	2.4	0.1	90	41
KA4C3HL28LV	4/4X	Listed	3000	3124	132	-20	56	-28	115	50	9.8	2.4	0.1	90	41
K2A4C3HL28LV	4/4X	Listed	3000	3158	141	-20	61	-28	230	60	5.1	2.4	0.1	90	41
K2A4C3HL28LV	4/4X	Listed	3000	3158	141	-20	61	-28	230	50	4.8	2.4	0.1	90	41

Rating is shown for operation at maximum ambient temperature.
Amount of charge: 17.5 oz.

U.S. Patent No. 9,157,670 B2

STANDARD FEATURES

All models UL Listed per UL 484, Special Purpose Air Conditioners
All models UL Recognized per NFPA 496: 2013, Purged and Pressurized Enclosures for Electrical Equipment
Meets NEC Class I Division 1, Groups A, B, C & D and Class I, Zone 1, Groups IIA, IIB plus hydrogen and IIC Hazardous Locations when used with an approved Type X Purge System on the electrical enclosure
Meets NEC Class I Division 2, Groups A, B, C & D and Class I, Zone 2, Groups IIA, IIB plus hydrogen and IIC Hazardous Locations when used with an approved Type Z Purge System on the electrical enclosure
Temperature Classification is T-4, 275°F/135°C
Maintains NEMA Type 12, 3R & 4/4X Ratings per UL 50, Cabinets and Boxes
Closed-Loop Cooling
Compressor Short Cycle Protector
Filter
Interior and Exterior Purge Connections
Internal Corrosion Protection
Painted Condenser and Evaporator Coils
Pressure Compensation Terminal Block
Programmable Temperature Alarm
Programmable Thermostat
Shock and Vibration Resistance
Stainless Steel Shell
Zero ODP Refrigerant

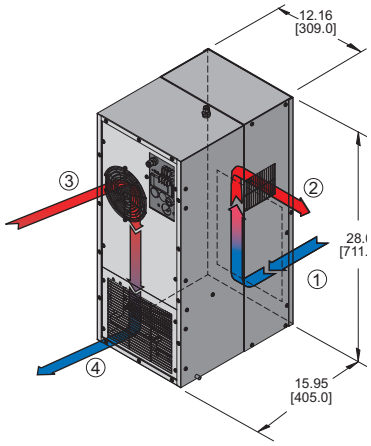
NEMA
TYPE 12, 3R AND 4/4X MAINTAINED

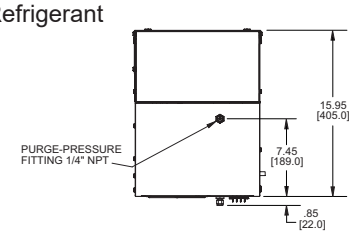
ACCESSORIES AND OPTIONS

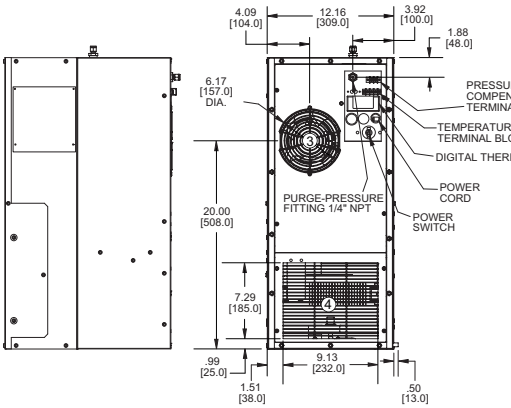
Enclosure Heater
Filter Recoating Adhesive
Remote Monitoring
Remote Thermostat Relay
Replacement Filters

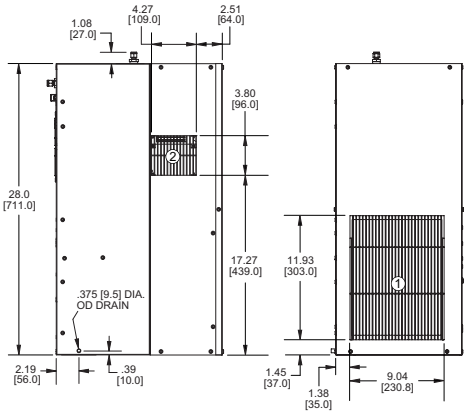
Find additional information on this model at kooltronic.com, or use the Technical Documents QR code below.

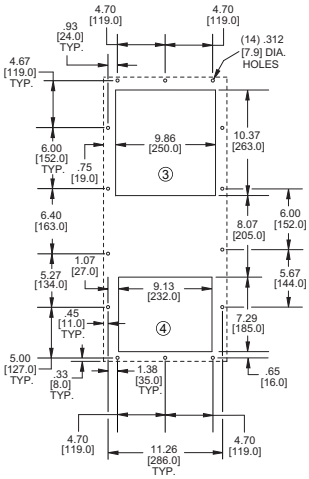
Technical Documents











MOUNTING PLAN

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

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 are subject to change.

Kooltronic, Inc., 30 Pennington-Hopewell Road, P.O. Box 240, Pennington, NJ 08534-0240
Tel: (609) 466-3400 Fax: (609) 466-1114 kooltronic.com sales@kooltronic.com

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HL28LV (115-230V) NEMA 4/4X AIR CONDITIONERS

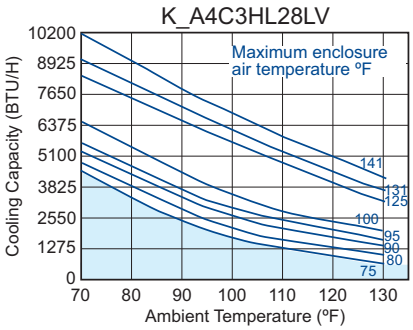
DESCRIPTION

Robust engineering, industrial-grade construction and UL Listing are the reasons that the Kooltronic ***Hazardous Location Series*** Air Conditioners provide the durability and safety required by hazardous location applications.

Kooltronic ***Hazardous Location Series*** Air Conditioners are ideal for:

- Offshore oil rigs, onshore oil company offices and refineries
- Petrochemical sites and propane fill-up stations
- Paint and varnish storage or processing plants
- Grain alcohol processors or storage sites
- Munitions plants or armories
- PVC or plastics plants and processing plants
- Recycling plants
- Furniture refinishing/stripping workshops
- Fertilizer plants
- Hazardous materials storage

PERFORMANCE



Operation within shaded area not recommended.

FEATURES AND BENEFITS (STANDARD)

All models UL/CUL Listed and Recognized, a standard of safety.
CFC-free refrigerant provides a zero ozone depletion potential.
Closed-loop cooling provides stable temperature control while excluding dust and humidity from the electrical enclosure.
Compressor short cycle protector extends compressor life.
Condenser filtration to maintain peak thermal performance extends compressor life.
Pressure compensation terminal block allows user to attach auxiliary pressure supply.
Programmable temperature alarm to alert if early action required.
Programmable thermostat capable of remote monitoring and control.
Internal corrosion protection to increase reliability in hostile environments.
NEMA 12, 3R & 4/4X ratings for compatibililty with electrical enclosure ratings.
Stainless steel shell for NEMA 4X corrosive environments.
All models are designed to withstand shock and vibration in two different planes for a minimum of 4 hours per plane at 1G acceleration.
Both evaporator and condenser coils are epoxy coated, prolonging unit life.
Type X and Z purge fittings for simple connection to enclosure purge system.

FEATURES AND BENEFITS (OPTIONAL)*

Enclosure heater eliminates damaging condensation, increasing reliability of electrical enclosure components.
Remote monitoring provides temperature data for warning of early action required.
Remote thermostat relay for control by a user-supplied control system.

Special paint finishes*

*Contact KOOLTRONIC for more information.

REPLACEMENT FILTERS

The HL28L Filter Part No. is 9512F (9.5″ x 12.0″ x 0.38″ [241.3mm x 304.8mm x 9.7mm])

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