

HTL FULL SIZE SERIES PANEL-MOUNTED AIR-COOLED AIR CONDITIONERS

TECHNICAL DATA



Model	UL/CUL Listed or Recognized	BTU/H Capacity	95/95 Rating BTU/H	Ambient Temp. °F Max./Min.	Volts	Hz	* Running Amps	Approx. Weight lbs kg
K2A6C12HTL	Listed	12000	11500	125/-20	230	60/50	12.0/12.0	152 70
K2A6C12HTL	Listed	12000	11500	125/-20	208	60	13.4	152 70

* Rating shown is for operation at maximum ambient temperature.

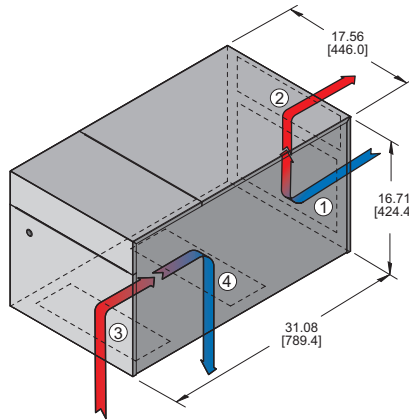
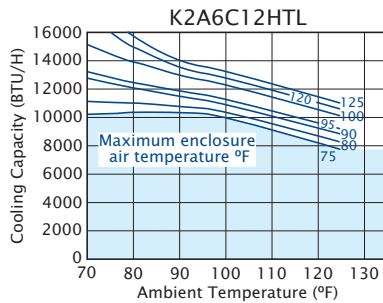
STANDARD FEATURES

Built-in Condensate Evaporator
Closed-Loop Cooling
Condenser Blower Controller
Filter
High Refrigerant Pressure Protection
Low Temperature Control Thermostat
NEMA 1 Rating Maintained (UL50)
UL/CUL Listed

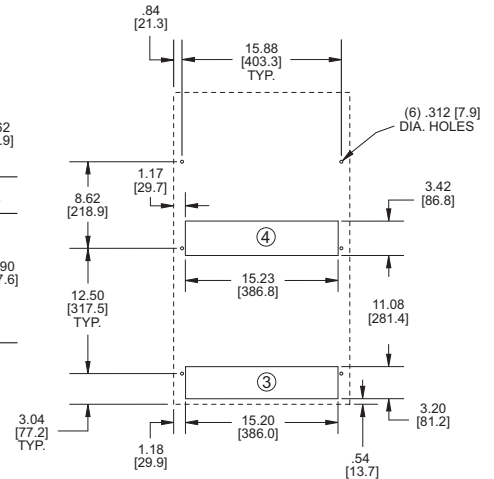
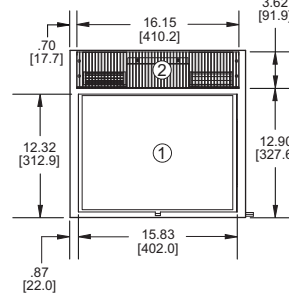
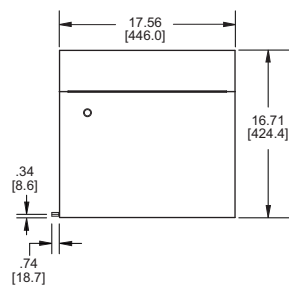
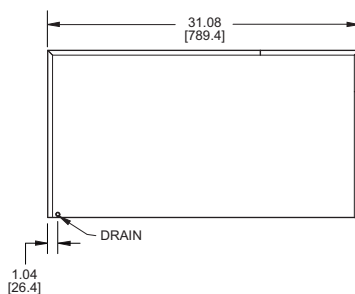
ACCESSORIES AND OPTIONS

Aluminum Shell
Compressor Short Cycle Protector
Enclosure Heater
Filter Recoating Adhesive
Remote Thermostat Relay
Replacement Filters
Short Cycle Protector
Special materials or finishes
Special motors, line cords
or connectors
Stainless Steel Shell
Temperature Alarm

PERFORMANCE

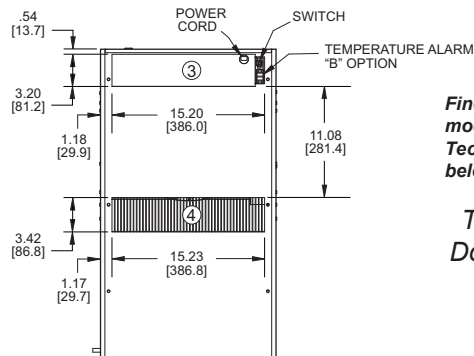


Many popular units are available as 3D solid models for customer system integration. Please contact Kooltronic for details.



MOUNTING PLAN

- ① FILTERED 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



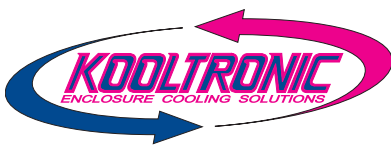
Find additional information on this model at kooltronic.com, or use the Technical Documents QR code below.

Technical Documents



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

htl12.qxd (10/23) (CDR: 20498)



HTL FULL SIZE SERIES PANEL-MOUNTED AIR-COOLED AIR CONDITIONERS

DESCRIPTION

KOOLTRONIC *Horizontal Top-Mounted Air Conditioners* provide a full range of cooling capacities where space or other limitations prevent panel or internal rack mounting.

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.

STANDARD FEATURES

BAKED POWDER FINISH: Durable, baked-on gray powder finish is standard. Other finishes are available.

BALL-BEARING MOTORS: All blower motors are UL/CSA Recognized and include automatic-reset thermal overload protection and double-sealed or double-shielded precision ball bearings. Special permanent lubricants perform over a broad temperature range: -20°F [-28.9°C] to 250°F [121.1°C].

BLOWERS: All centrifugal blowers are Kooltronic-designed and built, to provide optimum airflow and pressure for each Air Conditioner design.

CLOSED-LOOP COOLING: The enclosure interior airflow system is isolated from the ambient airflow system. Ambient air can not invade the cool, dehumidified sensitive component compartment.

CONDENSATE EVAPORATOR: Built-in Condensate Evaporator eliminates need for draining condensate under normal operating conditions. May not be adequate in extremely high humidity with open or leaky enclosure. Overflow condensate drain fitting and hose are included.

FILTERS: Multi-layer grid of sturdy, corrugated aluminum in an aluminum frame. May be reused after washing off accumulations and spraying with A-16 Recoating Adhesive.

GASKETING: All units are fully gasketed for tight, leakproof installation, in compliance with the NEMA 1 Enclosure Rating.

INSULATION: All cold components, lines and the evaporator compartment are insulated with high-performance insulation for maximum efficiency.

LOW TEMPERATURE CONTROL: Thermostatic Low Temperature Control prevents over-cooling and provides energy-efficient operation.

POWER: Available in 230 VAC, 60/50 Hz and 208 VAC, 60 HZ.

LOW TEMPERATURE CONTROL: Thermostatic Low Temperature Control prevents over-cooling and provides energy-efficient operation.

POWER CORD: All models have six foot [1.8m] 3-wire power cords. Those rated at 16.0 Amps or less are supplied with appropriate plugs. Those rated at more than 16.0 Amps are supplied without plugs, for direct wiring to power source. For these, junction box connections, enabling UL Listed status where applicable, can be supplied at added cost.

QUALITY ASSURANCE: Refrigeration system components are kept sealed until charged with refrigerant; all brazed joints are thoroughly leak-tested; each unit is functionally tested before shipment.

REFRIGERANTS: R410a Zero Ozone Depleting Refrigerant is used in these *Horizontal Top-Mounted Air Conditioners*

RUGGED CONSTRUCTION: Precision-engineered heavy gauge steel construction of all shells and blowers insures air conditioners will stand up under tough applications.

UL/CUL Listed: All *Full Size Series HTL Top Mount 12,000 BTU/H* models are *UL/CUR Listed*.

ACCESSORIES AND OPTIONS**

FACTORY-INSTALLED OPTIONS:

ALUMINUM SHELL: Where light weight and/or compatibility with appearance of Aluminum Enclosures are required. Unpainted Type 5052 is standard. Other types and ultra-violet-resistant baked powder finish are available.

Append letter "A" to Part No. (5052 Unpainted)

ENCLOSURE HEATER: Fin strip heater, installed singly, used to maintain desired internal enclosure temperature, under cold operating conditions.

Single Heater, append letter "F" to Part No.

INTERNAL CORROSION PROTECTION: For corrosive or other hostile environments, special coating material is applied to copper lines, coils and other parts subject to damage. Also see *Stainless Steel Shells* or *Integrity NEMA 4/4X Air Conditioners*.

Append letter "H" to Part No.

****Contact KOOLTRONIC for information.**



HTL FULL SIZE SERIES PANEL-MOUNTED AIR-COOLED AIR CONDITIONERS

ACCESSORIES AND OPTIONS** (continued)

SHORT CYCLE PROTECTOR: Protects the compressor from possible damage due to harmful short cycling, by initiating an "off" period before resumption of normal operation. Generally air conditioners require several minutes off for compressor protection after power interruptions of any type. These power interruptions can include power failures, opening of interlocked access doors, and cases where a thermostat activates the compressor in less than a few minutes. This option is particularly recommended for applications where frequent, brief power failures occur, interlocked cabinet doors are utilized, or where the cabinet internal loads fluctuate across a wide range.

Append letter "Y" to Part No.

TEMPERATURE ALARM: A thermostat is mounted inside the cabinet and attached to a sensor in the warm air return. When the air temperature increases to the set point, a signal is sent to a terminal block. User-installed wiring from the terminal block to local and/or remote warning devices (*light, bell, siren, etc.*) can be for normally open or closed operation.

Append letter "B" to Part No.

SPECIAL MATERIALS OR FINISHES**

STAINLESS STEEL SHELL: For applications in corrosive or other hostile environments such as those requiring Internal Corrosion Resistant Coatings, especially where chemical/moisture combinations are present.

Append letter "V" to Part No. (304-2B Unpainted)

CUSTOMER-INSTALLED OPTIONS

FILTER RECOATING ADHESIVE: This compound is a superior product for recoating filters after washing. The adhesives penetrate dirt layers to keep the filter surface tacky for longer effective performance between washings. Part No. A-16.

REPLACEMENT FILTERS: All KOOLTRONIC filters consist of a multi-layer grid of sturdy corrugated aluminum, securely held in a one-piece aluminum frame. Filters are required wherever air is drawn into an electronics enclosure or related cooling equipment to keep internal parts as clean as possible.

A non-drying adhesive coating traps a high percentage of particulate matter. These filters are reusable, they may be washed and recoated with the appropriate filter recoating adhesive. Replacements are available for those which become damaged or otherwise non-serviceable.

Part No. 23201F (15.75" x 12.13" x 0.38" [400.0mm x 308.1mm x 9.7mm])

WEATHER PROTECTION KIT: For outdoor installations subject to invasion by rain, snow or windblown dirt, special deflectors shield the condenser air inlet and outlet ports. Air conditioners installed outdoors may also require special exterior paint.

**Contact KOOLTRONIC for information.

HOW TO ORDER

Specify model number. NOTE: Accessories and Options may affect model number, contact KOOLTRONIC for information.

For assistance in model selection, refer to the Air Conditioner Sizing and Selection Guide, contact KOOLTRONIC, or use one of our design aid software programs, available FREE.

**CALL 1-800-321-KOOL (5665)
or FAX 609-466-1114**



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STOCKED AND READY TO SHIP**