ACCESS SERIES DSP23
NEMA 12 & 3R AIR CONDITIONERS

KOOLTRONIC
ENCLOSURE COOLING SOLUTIONS

c UL us

c UL us

NEMA TYPE 3R, 12 MAINTAINED

KOOLTRONIC, INC.
UL REGISTERED FIRM
ISO 9001:2015

Model	NEMA Rating	BTU/H Capacity	95/95 Rating BTU/H	Ambient Temp. °F Max./Min	Ambient Temp. °C Max./Min	Volts	Hz	Running Amps	Approx. Weight lbs.	Approx. Weight kg.
KA4C2DSP23L	12,3R	2000	2373	122/-20	50/-29	115	60	5.03	51	23
K2A4C2DSP23L	12,3R	2000	2360	122/-20	50/-29	230	60	2.87	51	23
K2A4C2DSP23L	12,3R	2000	2170	122/-20	50/-29	230	50	2.3	51	23

Rating shown is for operation at maximum ambient temperature.
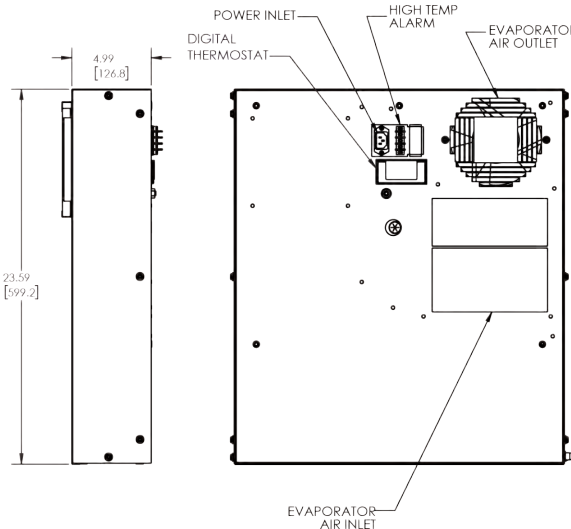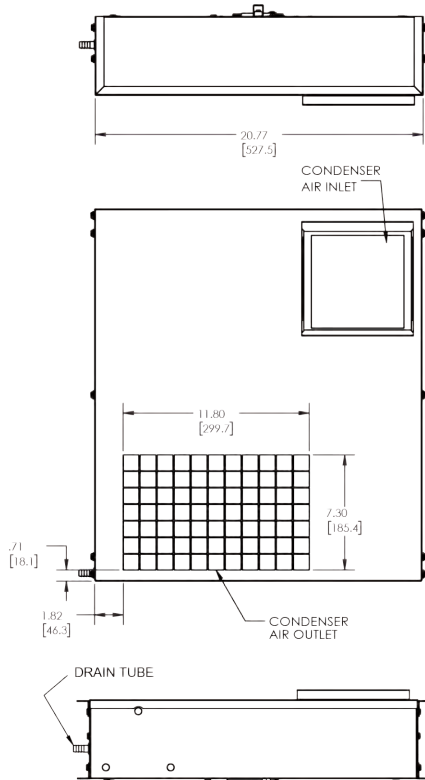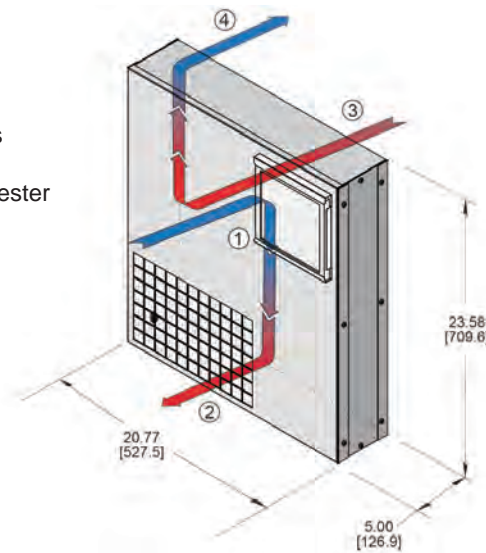
STANDARD FEATURES

Built-in Condensate Evaporator
CFC-Free Refrigerant
Closed-Loop Cooling
Compact Design/Slim Mounting Footprints
Compressor Short Cycle Protector
Condenser Impeller Cycling Control
Epoxy-Coated Evaporator and Condenser Coils
Filter
Heavy-duty Steel Shell with ANSI 61 Gray Polyester Powder Coating
NEMA 12 & 3R Rated (UL50)
Programmable Temperature Alarm
Programmable Thermostat
UL/CUL Listed

*NOTE: Not available if heater option is chosen.
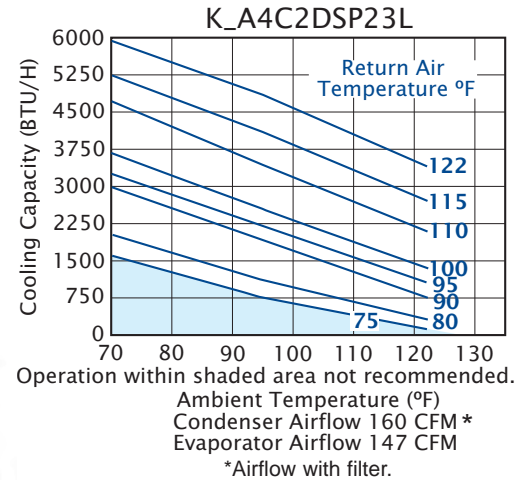
ACCESSORIES AND OPTIONS

Enclosure Heater
Replacement Filters
304 Stainless Steel Shell (NEMA 4 & 4X)
Remote Monitoring
Remote Thermostat Relay

PERFORMANCE

K_A4C2DSP23L

Return Air Temperature °F

122
115
110
100
95
90
80
75

Operation within shaded area not recommended.
Ambient Temperature (°F)
Condenser Airflow 160 CFM *
Evaporator Airflow 147 CFM
*Airflow with filter.

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

23.58 [709.6]
20.77 [527.5]
5.00 [126.9]

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

Technical Documents

20.77 [527.5]
CONDENSER AIR INLET
11.80 [299.7]
7.30 [185.4]
.71 [18.1]
1.82 [46.3]
CONDENSER AIR OUTLET

4.99 [126.8]
23.59 [599.2]

POWER INLET
DIGITAL THERMOSTAT
HIGH TEMP ALARM
EVAPORATOR AIR OUTLET
EVAPORATOR AIR INLET

DRAIN TUBE

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.

dsp23l.qxd (10/24) (CDR: 20605)

DESCRIPTION

The *Access Series Air-Cooled Air Conditioners* are a new closed-loop enclosure cooling solution featuring an ultra-thin 5-inch depth.

These models are specially engineered for self-service kiosks, ATMs and Digital Signage to improve operating efficiency and increase application longevity. The *Access Series* units are also suitable for mounting on doors of electrical enclosures found in many industrial applications.

The *Access Series DSP23* units are designed to meet a cooling capacity of 2,000 BTU/H and can be configured for applicable enclosure IP designations and voltage needs.

The *Access Series* models are constructed with a heavy-duty steel shell with ANSI gray polyester powder coating. The *Access Series* models are rated NEMA 12 & 3R.

FEATURES AND BENEFITS (STANDARD)

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

Built-in condensate evaporator eliminates the need for a drain (normal operation*).

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 impeller cycling provides stable capacity and temperature control.

Epoxy-coated evaporator and condenser coils

Heavy-duty Steel Shell with powder-baked finish (ANSI 61 gray)

Programmable thermostat capable of remote monitoring and control.

Programmable temperature alarm to alert if early action is required.**

Internal corrosion protection to increase reliability in hostile environments.

NEMA 12 & 3R ratings for compatibililty with listed electrical enclosures.

Both evaporator and condenser coils are epoxy coated, prolonging unit life.

* May not be adequate in extremely high humidity with open or leaky enclosure. Overflow condensate drain fitting and hose are included.

** Not available if heater option is chosen.

FEATURES AND BENEFITS (OPTIONAL)*

Enclosure heater eliminates damaging condensation, increasing reliability of electrical enclosure components.

304 stainless steel shell (NEMA 4 & 4X)

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 DSP23L Filter Part No. is 681F (6.81″ x 6.81″ x 0.38″ [173.0mm x 173.0mm x 9.7mm]).