Technical Specifications

InRow® Chilled Water Air Conditioners

Up to 70 kW

Schneider Electric

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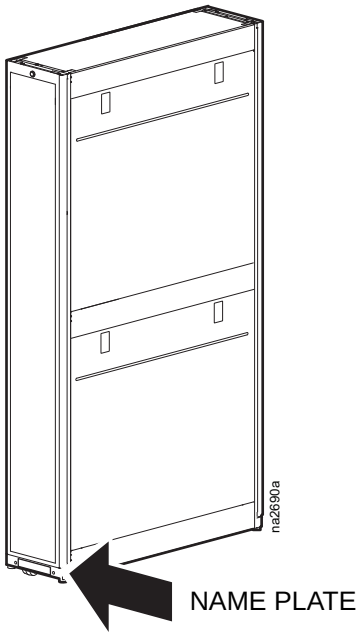
Table of Contents

Technical Data

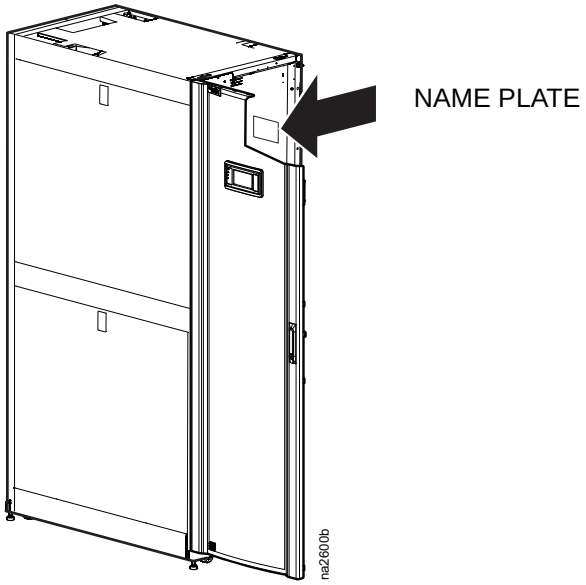
Model Identification

The model number can be found on the outside of the shipping crate and on the name plate located inside the unit as shown. Use the table below to verify that the unit is the correct size and voltage.

Model	Width	Range of Capacity	Humidifier/ Reheat	Voltage	Phase	Frequency	Power Connection
ACRC301S	300 mm	Up to 40 kW	No	100–240 V	1	50/60 Hz	NEMA L5-20P/ IEC-30916A
ACRC301H	300 mm	Up to 60 kW	No	208–230 V	1	50/60 Hz	Hardwired
ACRC600	600 mm	Up to 70 kW	No	200–240 V	3	50/60 Hz	Hardwired Optional: NEMA L21-20P
ACRC601	600 mm	Up to 70 kW	No	460–480 V	3	60 Hz	Hardwired
ACRC602	600 mm	Up to 70 kW	No	380–415 V	3	50/60 Hz	Hardwired Optional: NEMA IEC-309 16A
ACRC600P	600 mm	Up to 70 kW	Yes	200–240 V	3	50/60 Hz	Hardwired
ACRC601P	600 mm	Up to 70 kW	Yes	460–480 V	3	60 Hz	Hardwired
ACRC602P	600 mm	Up to 70 kW	Yes	380–415 V	3	50/60 Hz	Hardwired



300 MM



600 MM

Overview

The modular, row-based computer room cooling solutions offers efficient, predictable, and economical cooling for a variety of spaces.

Critical environmental requirements now reach far beyond the confines of the traditional data center or computer room to encompass a larger suite of applications, referred to as technology rooms. Critical environment applications include:

- Computer rooms
- Telecommunication facilities
- Clean rooms
- Power equipment
- Medical equipment rooms
- Archives
- LAN/WAN environments

A worldwide network of Schneider Electric representatives is fully qualified to provide engineering, sales, installation, and service for our products.

Capacity

The InRow® Chilled Water (CW) configuration is available in two sizes with a capacity that is up to 70 kW based on the particular application of the unit.

Room air distribution

Row-based systems are placed in line with rack enclosures. At least one system is used per hot aisle. Air is drawn in through the rear of the system, cooled, and discharged into the cold aisle.

The InRow CW air conditioner delivers high volumes of airflow to eliminate hot spots in densely populated environments.

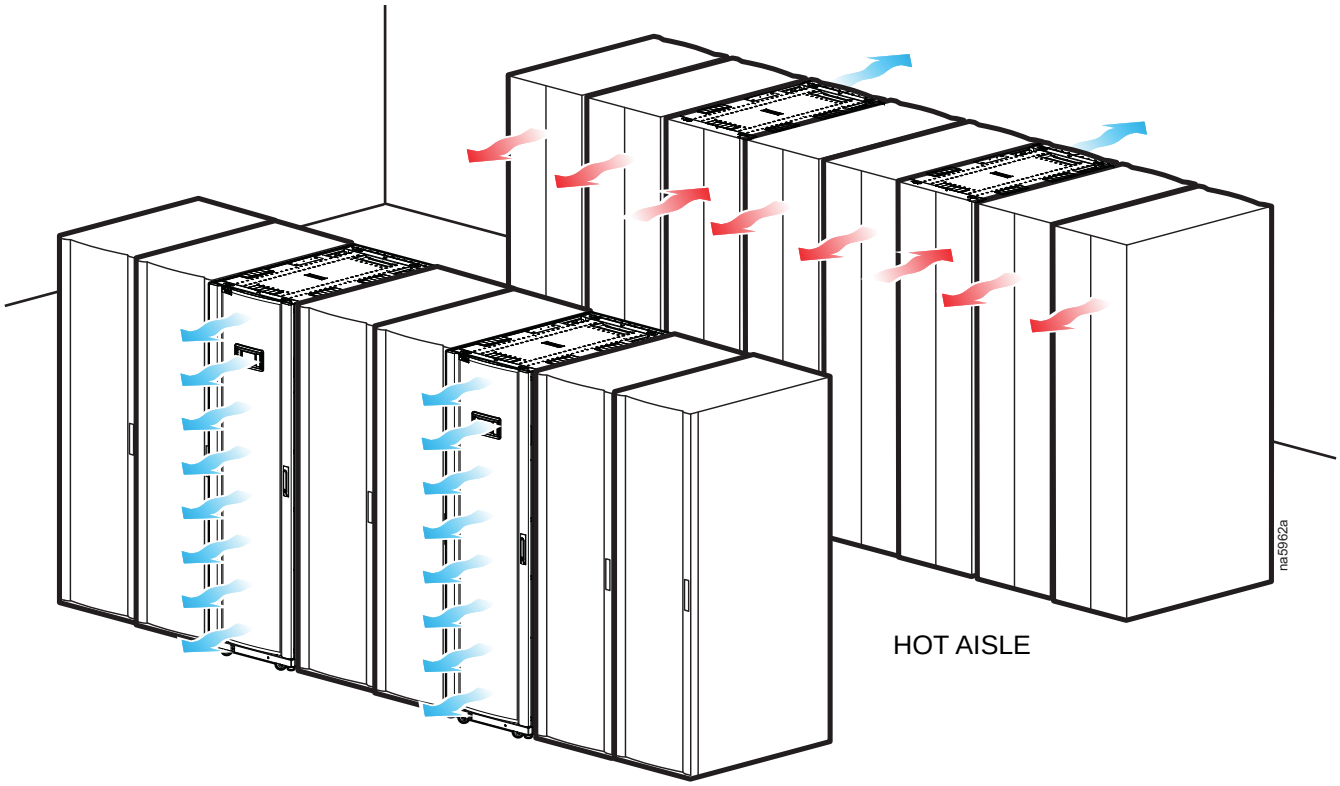
Compliance approval

Agency	ACRC301S	ACRC301H	ACRC600	ACRC601	ACRC602	ACRC600P	ACRC601P	ACRC602P
UL&cUL	X	X	X	X	X	X	X	
RCM	X	X			X			X
CE	X	X			X			X

Scalable Solutions for Critical Environments

Advantages of row-based cooling

InRow cooling products improve energy efficiency and cooling ability in a number of ways. First, the InRow CW air conditioner draws air directly from the hot aisle, allowing the InRow unit to take advantage of higher heat transfer efficiency due to higher temperature differences. It can then discharge room-temperature air directly in front of the servers it is cooling. This increases energy efficiency by allowing the chiller to operate at higher leaving water temperatures. Placing the cooling unit in the row enables the unit to operate at higher return and supply air temperatures yielding 100% sensible capacity, which significantly reduces the need for humidification.



Scalable for high density

The predictable performance of the row-based architecture makes it well-suited for high density applications. The focus on heat removal instead of cold air delivery is the key to making this approach scalable. The design of the InRow CW air conditioner allows it to be easily added in the row as the demand for cooling increases.

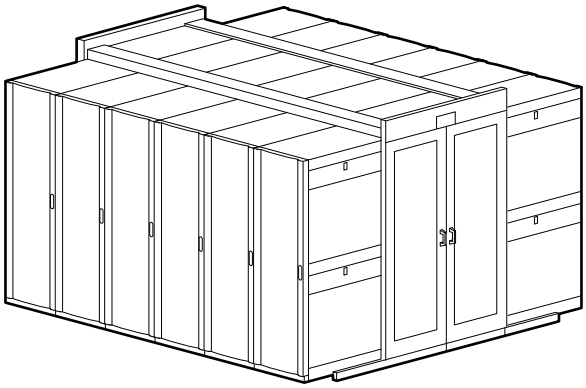
The additional benefit of the row-based architecture is the ability to add hot air containment. Containing the hot air further reduces any chance of hot and cold air streams mixing. This provides ultimate predictability and allows the cooling capacity to be matched to the IT heat load.

EcoAisle™ aisle containment system

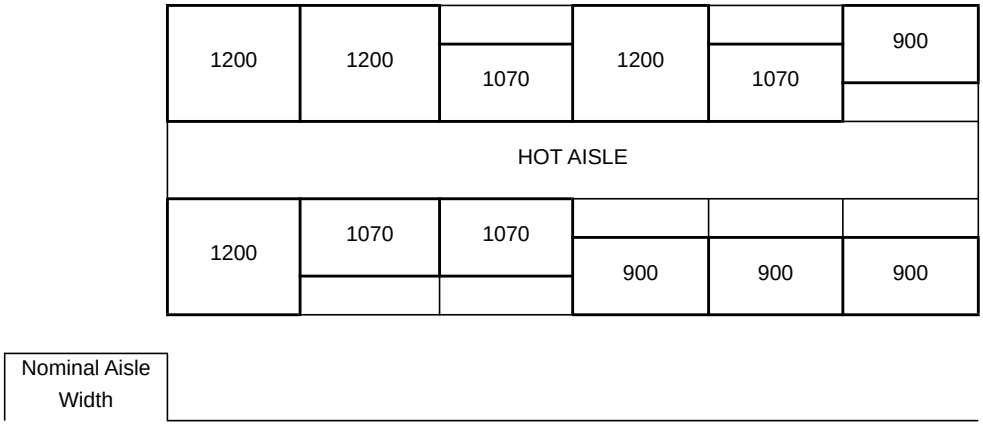
Modular ceiling tiles and doors/curtains can be used to enclose the hot aisle. This increases the densities that can be handled in a single rack enclosure by eliminating mixing of hot and cold air streams. This method, called load neutralization, removes the heat from the hot aisle, cools it, and then returns it to the surrounding room area. The warmer return air temperatures that are achieved in this application increase the capacity of the air conditioner and, in many cases, eliminate the need for make-up humidification.

Use of modular ceiling tiles across a 3- to 6-ft. hot aisle that connects two opposite rack enclosures makes expansion quick and simple. Expansion kits, with the necessary ceiling tile and all baying hardware, can be ordered to increase the size of the hot aisle. The end doors/curtains can be easily removed and re-attached for expansion.

The enclosed hot aisle prevents any warm return air from mixing with cooler supply air. In effect, all surrounding room air can act as supply air to the system. The EcoAisle aisle containment system is beneficial in any environment. It can be deployed quickly in any controlled space without expensive additions to the infrastructure, such as raised floor or ductwork.



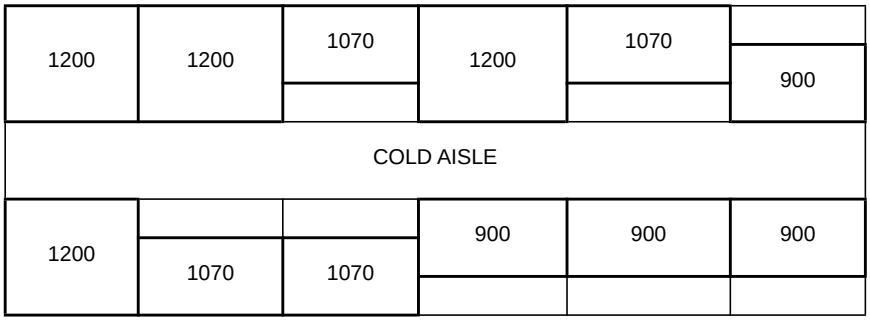
Hot aisle containment dimensions



Hot Aisle - Middle or End of Aisle, Frame to Frame, With Depth Extenders	914 (36.00)	991 (39.00)	991 (39.00)	991 (39.00)	1291 (50.83)	1291 (50.83)	1591 (50.83)
		--	991 (39.00)	991 (39.00)	1161 (45.71)	1161 (45.71)	1461 (45.71)
		--	--	991 (39.00)	1161 (45.71)	1161 (45.71)	1331 (52.40)
		--	--	--	--	--	--
		--	--	--	--	--	--
		--	--	--	--	--	
	1219 (48.00)	1296 (51.02)	1296 (51.02)	1296 (51.02)	1596 (62.83)	1596 (62.83)	1896 (74.65)
		--	1296 (51.02)	1296 (51.02)	1466 (57.75)	1466 (57.75)	1766 (69.53)
		--	--	1296 (51.02)	1466 (57.75)	1466 (57.75)	1636 (64.41)
		--	--	--	1296 (51.02)	1296 (51.02)	1596 (62.84)
		--	--	--	--	1296 (51.02)	1466 (57.75)
		--	--	--	--	--	1296 (51.02)
	1524 (60.00)	1600 (63.00)	1600 (63.00)	1600 (63.00)	1900 (74.80)	--	--
		--	1600 (63.00)	1600 (63.00)	1770 (69.69)	1770 (69.69)	--
		--	--	1600 (63.00)	1770 (69.69)	1770 (69.69)	--
		--	--	--	1600 (63.00)	1600 (63.00)	1900 (74.80)
		--	--	--	--	1600 (63.00)	1770 (69.69)
		--	--	--	--	--	1600 (63.00)
	1829 (72.00)	1905 (75.00)	1905 (75.00)	1905 (75.00)	--	--	--
		--	1905 (75.00)	1905 (75.00)	--	--	--
		--	--	1905 (75.00)	--	--	--
		--	--	--	1905 (75.00)	1905 (75.00)	--
		--	--	--	--	1905 (75.00)	--
		--	--	--	--	--	1905 (75.00)

* All dimensions shown in millimeters (inches).

Cold aisle containment dimensions



	Nominal Aisle Width						
Cold Aisle - Middle of Aisle, Frame to Frame, With Depth Extenders	914 (36)	991 (39)	1121 (44.13)	1251 (49.25)	--	1121 (44.13)	--
		--	991 (39.00)	1121 (44.13)	--	1121 (44.13)	--
		--	--	991 (39.00)	--	--	--
		--	--	--	--	--	--
		--	--	--	--	--	--
		--	--	--	--	--	--
	1219 (48)	1296 (51.02)	1426 (56.14)	1556 (61.26)	1296 (51.02)	1426 (56.14)	1296 (51.02)
		--	1296 (51.02)	1426 (56.14)	1296 (51.02)	1426 (56.14)	1296 (51.02)
		--	--	1296 (51.02)	1166 (45.91)	1296 (51.02)	1296 (51.02)
		--	--	--	1296 (51.02)	1426 (56.14)	1296 (51.02)
		--	--	--	--	1296 (51.02)	1296 (51.02)
		--	--	--	--	--	1296 (51.02)
	1524 (60)	1600 (63.00)	1730 (68.11)	1860 (73.23)	1600 (63.00)	1730 (68.11)	1600 (63.00)
		--	1600 (63.00)	1730 (68.11)	1600 (63.00)	1730 (68.11)	1600 (63.00)
		--	--	1600 (63.00)	1470 (57.88)	1600 (63.00)	1600 (63.00)
		--	--	--	1600 (63.00)	1730 (68.11)	1600 (63.00)
		--	--	--	--	1600 (63.00)	1600 (63.00)
		--	--	--	--	--	1600 (63.00)
	1829 (72)	1905 (75.00)	2035 (80.12)	2165 (85.24)	1905 (75.00)	--	1905 (75.00)
		--	1905 (75.00)	2035 (80.18)	1905 (75.00)	--	1905 (75.00)
		--	--	1905 (75.00)	1775 (69.88)	1905 (75.00)	1905 (75.00)
		--	--	--	1905 (75.00)	--	1905 (75.00)
		--	--	--	--	1905 (75.00)	1905 (75.00)
		--	--	--	--	--	1905 (75.00)

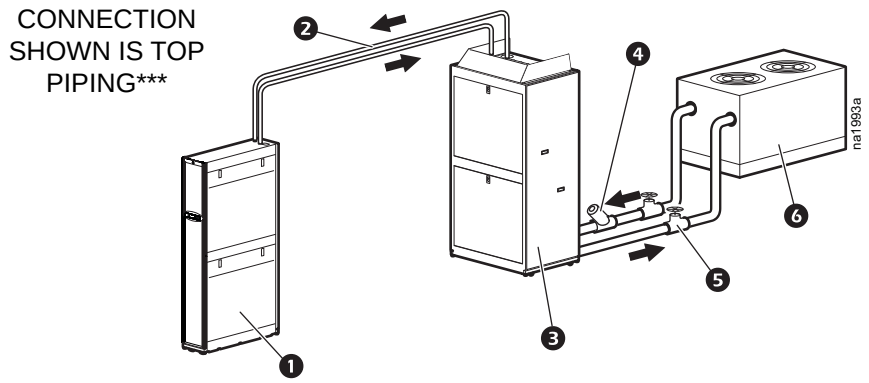
Cold Aisle - End of Aisle, Frame to Frame, No Depth Extenders	914 (36.00)	991 (39.00)	991 (39.00)	991 (39.00)	--	--	--
	1219 (48.00)	1296 (51.02)	1296 (51.02)	1296 (51.02)	1296 (51.02)	1296 (51.02)	1296 (51.02)
	1524 (60.00)	1600 (63.00)	1600 (63.00)	1600 (63.00)	1600 (63.00)	1600 (63.00)	1600 (63.00)
	1829 (72.00)	1905 (75.00)	1905 (75.00)	1905 (75.00)	1905 (75.00)	1905 (75.00)	1905 (75.00)

* All dimensions shown in millimeters (inches).

Configurations

Chilled water systems utilize water from a chiller plant for cooling. Chilled water is commonly used in large buildings and high rises and can serve multiple indoor units, which can be cost effective for large installation options. There are various methods for chilled water piping.

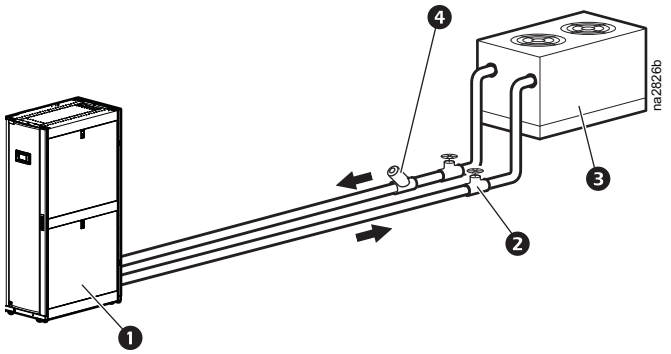
Connection to chiller through CDU



Item	Description	Item	Description
❶	InRow RC	❹	Strainer**
❷	Interconnecting PEX-AL-PEX Piping*	❺	Valve**
❸	Cooling Distribution Unit (CDU)* (ACRC301S only)	❻	Chiller

Note: Install isolation valves and particulate strainers with 20 mesh stainless steel screen (opening size = 865 micron) in the supply line between the chiller and CDU. For more information, see the InRow Installation Manual.
*PEX-AL-PEX Piping and CDU are optional products available through Schneider Electric. For more information, see the CDU Technical Data Manual.
**Piping between chiller and CDU will vary based on local codes and site conditions.
***Top piping connection is an optional configuration for this unit: bottom piping is the standard configuration.

Direct connection to chiller



Item	Description	Item	Description
❶	InRow RC	❸	Chiller
❷	Valve	❹	Strainer

Note: Install isolation valves and particulate strainers with 20 mesh stainless steel screen (opening size = 865 micron) in the supply line between the chiller and InRow RC cooling unit.

Standard Features and Options

Standard features

Insulated side panels	The frame is constructed of 16-gauge formed steel for maximum strength. Cabinet is serviceable from the front and rear. All exterior panels and corner posts on the frame are powder coated for durability and an attractive finish. Front and rear exterior panels are constructed of 18-gauge perforated steel with 84% open free area. Insulation is 80.1 kg/m^3 (5 lb/ft^3) density and complies with ASTM E84 rating of 25/50. All panels allow easy access and removal: ACRC600 and ACRC600P series units include a key latch for safety and security.
Variable speed fans	Each unit is equipped with variable speed fans. In order to provide uniform airflow over the cooling coil, the fans provide a draw-through air pattern. Quiet, low maintenance, and producing very low vibration, fans are controlled through a signal from the microprocessor controller that constantly adjusts airflow to match the heat load in the data center without need for a VFD (Variable Frequency Drive). In ACRC301S and ACRC301H units, the fans are easily replaceable while the unit is in operation.
Shutdown input/alarm output	The unit provides one field connection input for remote shutdown and four field connections for an alarm output.
Chilled water flow meter	An internal flow meter is integrated with the microprocessor controller to display the chilled water flow rate of the unit.
2-way/3-way valve	A fully modulating valve is microprocessor-controlled to regulate the amount of chilled water into the cooling coil to maintain optimal cooling conditions. The standard valve pressure rating is 2068 kPa (300 PSI). The valve is user configurable to be two-way or three-way
Fan power supply (ACRC301 series only)	The unit includes two fan power supplies, each capable of running ACRC301S and ACRC301H units at fan speeds of 75% in the event of a single power supply failure.
Primary/secondary power feeds	The system features two power feeds. This allows a level of system fault tolerance and uninterruptible cooling. Each feed powers 100% of the unit.
Cross circuited cooling coil	Designed for high sensible heat ratios, the coil is constructed with copper tubes, aluminum fins, and galvanized steel end plates.

Washable filter (ACRC301 series only)	The filtration of conditioned air is extremely vital to maintaining the clean, particle-free environment required by electrical equipment. The system uses a <20% efficiency ASHRAE 52.1, 12.7 mm (1/2 in.) washable filter that meets HF-1 standards for electronics (MERV 1 per ASHRAE 52.2).
30% ASHRAE 52.1 filter (ACRC600 and ACRC600P series only)	The filtration of conditioned air is extremely vital to maintaining the clean, particle-free environment required by electrical equipment. The system uses a 30% efficient, 102 mm (4 in), deep loading, pleated filter. Deeper filters produce a lower pressure drop, requiring less energy during normal operation. The filter is moisture resistant up to a 100% relative humidity. Filters are easily replaceable from the rear of the unit. (MERV 8 per ASHRAE 52.2, EN779 G4)
Selectable top or bottom piping connections	Note:Unit includes both top and bottom piping connections. Top piping connects to internal piping connectors and routes piping upward out of the unit. Bottom piping connects to internal piping connectors and routes piping downward out of the unit. All connections are unions for ease of installation and service. Note: Top piping for ACRC301S and ACRC301H is available as an optional kit.
Dual float condensate management (Does not include ACRC301H)	The factory-installed condensate pump is piped internally to the condensate pan. Dual floats are included with the unit. One float is used for condensate pump control, the other to generate condensate pan overflow alarms. For technical specifications, see “Performance Data—General” on page 67.
Network management	Permits multi-level access to monitoring, control, and event notification features over the user’s network.
Service notifications (ACRC301 series only)	Several components within the unit will provide a warning that service is needed. There are multiple faults that can be detected and reported (see “Alarms” on page 19). Notification is also provided when a service interval expires.
Joining kit InRow RC/NetShelter SX	Joining kits made of 16-gauge metal enable joining of the cooling system to NetShelter SX enclosures.
Remote temperature sensor	To control the unit based on rack inlet temperature, one remote sensor is provided with ACRC301S and ACRC301H units (field-installed) and three remote sensors are provided with ACRC600/ACRC600P series units (field-installed).
4.3-in. touch screen	High-definition screen displays more data. Provides easy-to-read system status information.
Casters	Allows for the unit to be moved easily.

Easy-access electrical box (ACRC301S and ACRC301H only)	Slide-out electrical box enables maintenance without removing the unit from the row.
Active Flow Controller compatibility	Monitors pressure inside and outside the contained aisle and adjusts cooling unit fan speed to match the airflow with that of the IT equipment.

Optional features

Cable water detector	A leak detection cable for 300-mm units (NBES0308 and NBES0309) or 600-mm units (AP9325 and AP9326) is placed on the floor or sub-floor around all possible leak sources. If water or other conductive liquids contact the cable anywhere along its length, the microprocessor controller visually and audibly announces a leak. The 6.1-m (20-ft) cable may be cascaded to make custom lengths up to 24.4 m (80 ft).
Network cable	Various lengths of network cable are available to ship with your cooling system. The network cable is used to interconnect multiple cooling units in a redundant group, as well as to connect the network management card to your local area network (LAN).
Power trough	Overhead power distribution between adjacent NetShelter racks allows for removal of the InRow RC unit without disrupting overhead power cabling.
Data partition	Overhead cable distribution between adjacent NetShelter racks allows for removal of the InRow RC unit without disrupting overhead cabling.
Height adapters	To match the height of the InRow RC unit to various rack heights, height adapters are available for NetShelter 42-U VX, 45-U SX, and 48-U SX racks.
Depth extender	Used to match the depth of the InRow RC unit to deeper racks.
Rack Air Containment	The Containment Solution isolates the airflow of individual racks and InRow cooling units from the whole IT environment, increasing efficiency while allowing for high density deployment.
Aisle Containment	The Containment Solution isolates pods (two rows of racks sharing a common aisle) from the whole IT environment, increasing cooling efficiency at any density. For details, see “EcoAisle™ aisle containment system” on page 8.
Upper piping kit	Available for top-piping configurations and can be field installed. Note:Pre-installed in ACRC600 and ACRC600P series units.
Dew point control pump (DPCP) (ACRC301H only)	The DPCP provides a second layer of protection in case the IT room humidity control system or humidity barrier fails. It allows the unit to operate 100% condensate-free (unlike traditional forms of condensation removal that requires condensate removal piping) by stopping condensation before it can form. The DPCP works by recirculating coil water to keep the unit operating above the dew point at all times.

Disposable pleated filter (ACRC301S and ACRC301H only)	The filtration of conditioned air is extremely vital to maintaining the clean, particle-free environment required by electrical equipment. As an optional feature, the system uses a 50.8-mm (2-in) pleated, deep-loading, 30% ASHRAE 52.1 filter (MERV 8 per ASHRAE 52.2).
85% ASHRAE 52.1 filter (ACRC600 and ACRC600P series only)	Electrical equipment requires clean, particle free air, thus making the filtration of the air extremely important. Optionally, the system uses an 85% efficient, 102-mm (4-in.), deep loading, pleated filter. Deeper filters produce a lower pressure drop, requiring less energy during normal operation. The 100% synthetic media will not absorb moisture and is resistant to most common chemicals. The filter is moisture resistant up to a 100% relative humidity. Filters are easily replaceable from the rear of the unit. (MERV 13 per ASHRAE 52.2, EN779 F7).
Seismic latch kit	Users must obtain and install the seismic latch kit for locations that require seismic certification.

Microprocessor Controller

The microprocessor controller display interface allows the unit to be turned on or off and displays the configuration and condition of the unit.

Microprocessor controller

The microprocessor controller is standard on each system. The controller provides precision control for the demanding requirements of the following environments:

- Data centers
- Control rooms
- Clean rooms
- Switch rooms
- UPS rooms

The easy-to-use display interface allows the operator to select options from the menu-driven interface to control and monitor the connected air conditioning system.

Open architecture

The InRow CW protocol is open for integration with all building management systems. Communication interface on the system can be Modbus RS485 or Ethernet.

Control type

The controller utilizes proportional/integral/derivative (PID) settings, a time-proven precision environmental control method. This allows for custom tuning of control variables to achieve optimal system response.

Functions

- Supply and Return Air Conditions
- Operational Mode Control
- Data Logging
- Event Logging
- Alarms
- Redundant Group Control
- Fan Speed Adjustment
- Input/Output Module Programming

Logging

The event log keeps a record of all alarms and events. Each event log contains a time/date stamp as well as operating conditions at the time of occurrence. The controller also displays run time, in hours, for major components (air filters, fans, power supplies, and condensate pump).

The data log displays measurements about the cooling unit, the power input to the cooling unit, and the ambient temperature of the cooling unit.

Control

The touch-screen LCD display interface is protected by a configurable password and provides access to information and settings for the unit.

- Supply Temperature Setpoint 15–30.2°C (59–86.4°F)
- Cool Setpoint 18–35°C (64.4–95°F)
- Rack Inlet High Temperature Threshold 10–65.6°C (50–150.1°F)
- Entering Chilled Water High Temperature Threshold 1.7–37.8°C (35–100°F)
- Supply Air High Temperature Threshold 10–65.6°C (50–150.1°F)
- Return Air High Temperature Threshold 10–65.6°C (50–150.1°F)

Alarms

The microprocessor controller shall activate a visible and audible alarm in the following occurrences:

- Active Flow Controller sensor fault
- Air filter clogged
- Air filter run hours violation
- Check condensate management system
- Chilled water flow meter fault
- Chilled water valve actuator fault
- Chilled water valve control not set to automatic
- Coil chilled water temperature sensor error
- Coil condensation possible
- Condensate pan full (excluding ACRC301H)
- Controller power supply X fault
- Cool fail
- EcoAisle door open
- Entering chilled water high temperature high violation
- Entering/leaving chilled water temperature sensor fault
- Factory configuration not completed
- Fan X error
- Fan power supply X current sense fault
- Fan power supply X fault
- Filter differential pressure sensor fault
- Humidity sensor fault
- Input contact fault
- Insufficient airflow
- Internal communication fault
- Lower return air/supply air sensor fault
- Primary/secondary power source fail
- Rack high temperature condition
- Rack temperature sensor X error
- Return air/supply air high temperature violation
- Shutdown due to input contact
- Unexpected number of AFCs/leak detectors/rack inlet temperature sensors/units in group
- Unit is in maintenance mode
- Unit service required
- Upper return air/supply air sensor fault
- Water detected fault/shutdown

ACRC600/ACRC600P series only

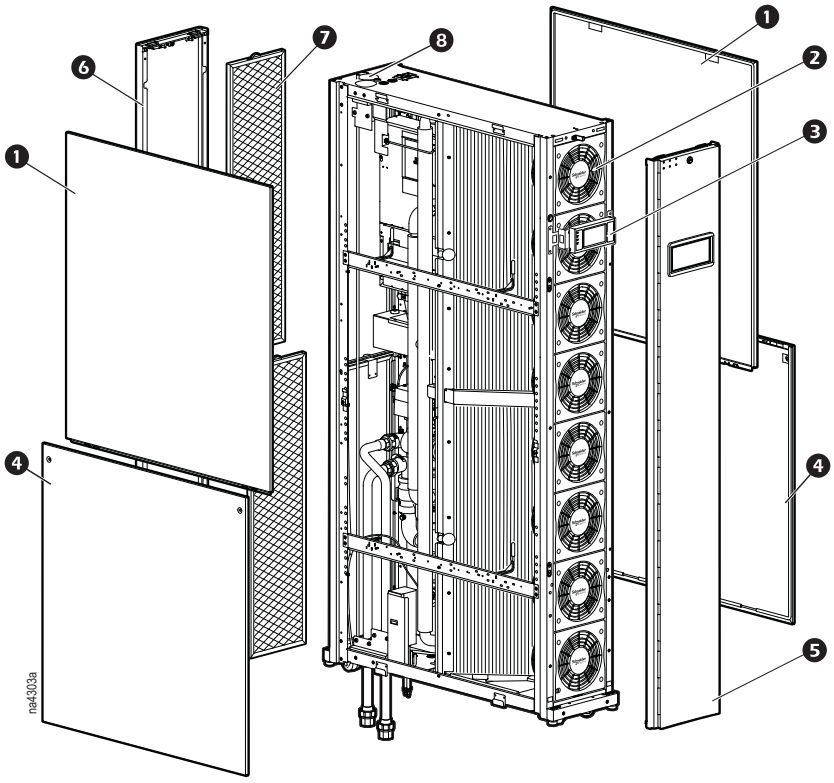
- Fan run hours exceeded
- Condensate run hours exceeded
- Group communication fault
- Invalid supply setpoint
- Link isolation relay fault

ACRC600P series only

- Humidifier water conductivity high
- Humidifier fault tolerance exceeded
- Humidifier low water
- Humidifier excessive output reduction
- Humidifier drain fault
- Humidifier cylinder full
- Humidifier replace cylinder
- Humidifier RS485 communication fault
- Humidity high/low violation
- Supply humidity sensor fault
- Return humidity sensor fault
- Heater fault
- Heater run hours exceeded

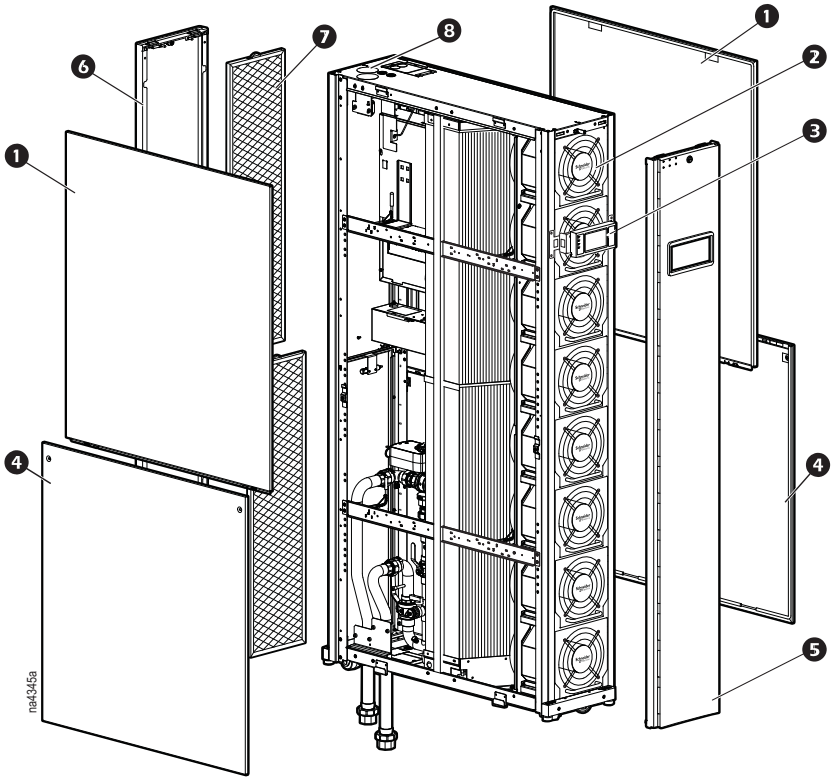
InRow ACRC301S/ACRC301H Models

External components—ACRC301S



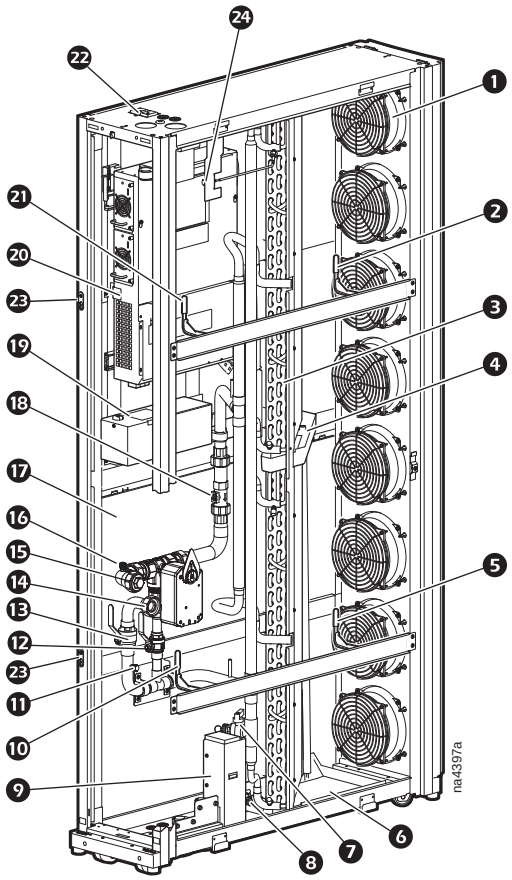
Item	Description
❶	Upper side panels
❷	Fans
❸	Display interface
❹	Lower side panels
❺	Front panel
❻	Rear panel
❼	Air filters
❽	Upper piping installation holes

External components—ACRC301H



Item	Description
❶	Upper side panels
❷	Fans
❸	Display interface
❹	Lower side panels
❺	Front panel
❻	Rear panel
❼	Air filters
❽	Upper piping installation holes

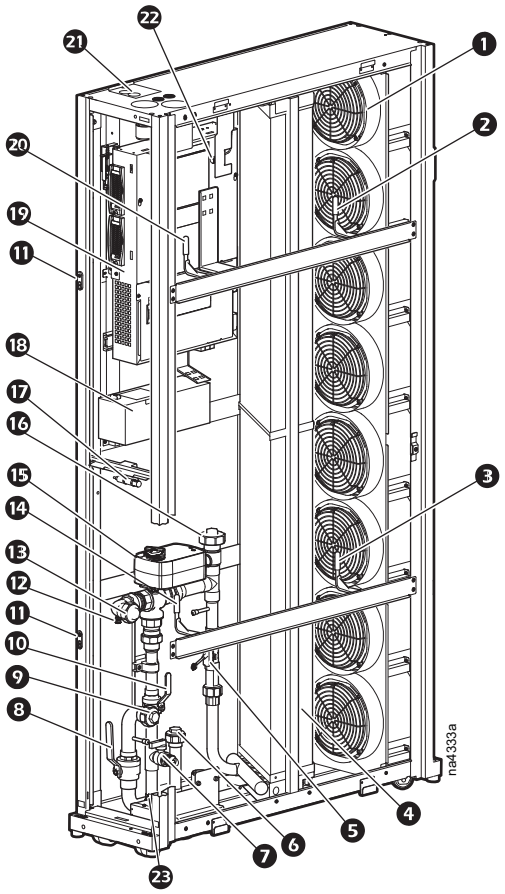
Internal components—ACRC301S



Item	Description
❶	Fan
❷	Supply air temperature sensor, top
❸	Coil
❹	Condensate drain pan, top
❺	Supply air temperature sensor, bottom
❻	Condensate drain pan, bottom
❼	Drain valve
❽	Condensate drain pan float switch
❾	Condensate pump
❿	Return air temperature sensor, bottom
⓫	Schrader valve (inlet water pressure test)
⓬	2-way–(3/4-in.) bypass shut-off valve

Item	Description
⓭	Inlet shutoff valve (1 in.)
⓮	Pipe connection, water inlet
⓯	Pipe connection, water outlet
⓰	Schrader valve (outlet water pressure test)
⓱	3-way actuator valve
⓲	Flow meter
⓳	Auto-transfer switch (ATS) box
⓴	Electrical box
㉑	Return air temperature sensors
㉒	Power cord connections, top
㉓	Rack joining brackets
㉔	Schrader valve (air purging)

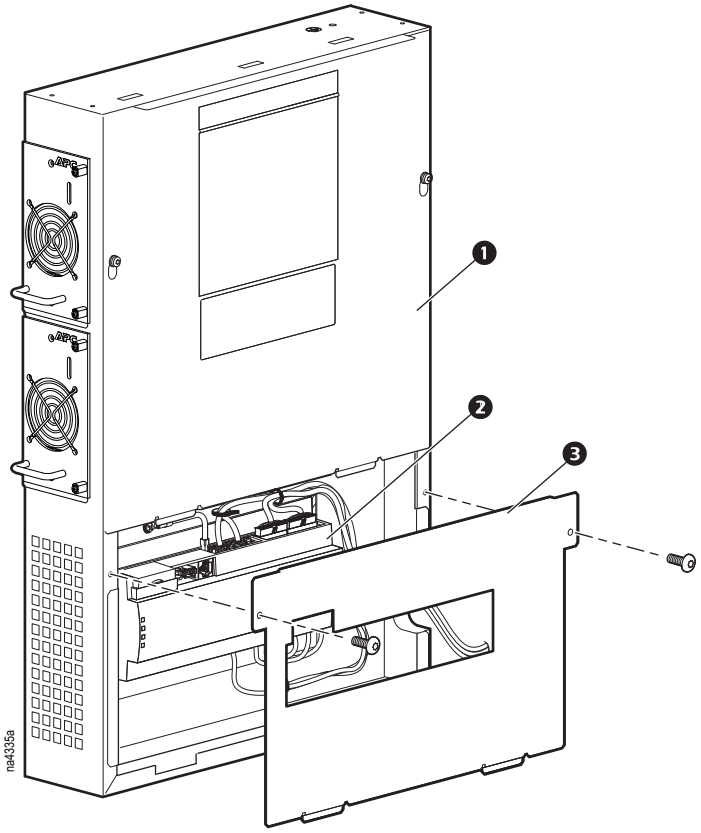
Internal components—ACRC301H



Item	Description
❶	Fan
❷	Supply air temperature sensor, top
❸	Supply air temperature sensor, bottom
❹	Coil
❺	Flow meter
❻	Bottom pipe connection for optional recirculation pump
❼	Drain valve
❽	Inlet shutoff valve (1 1/4-in.)
❾	Pipe connection, water inlet
❿	2-way valve (1-in.) bypass shut-off
⓫	Rack joining brackets
⓬	Schrader valve (outlet water pressure test)

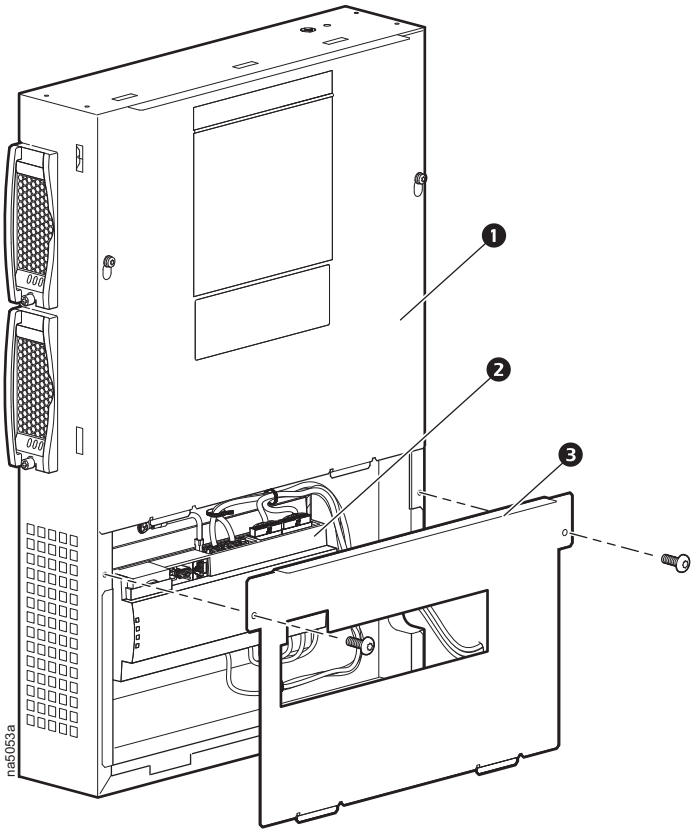
Item	Description
⓭	Pipe connection, water outlet
⓮	Return air temperature sensor, bottom
⓯	3-way valve actuator
⓰	Top pipe connection for optional recirculation pump
⓱	Humidity sensor
⓲	Auto transfer switch (ATS) box
⓳	Electrical box
⓴	Return air temperature sensor, top
㉑	Junction box, top position
㉒	Schrader valve (air purging)
㉓	Schrader valve (inlet water pressure test)

User interface connection panel—ACRC301S



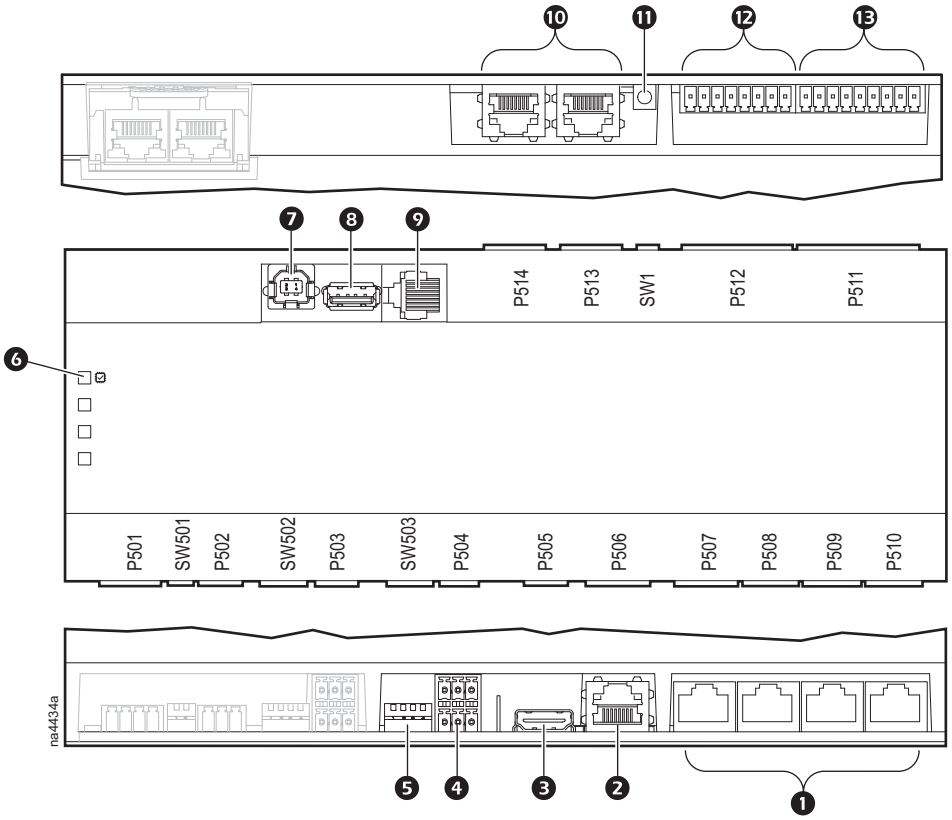
Item	Description
❶	Upper electrical box cover
❷	User interface connection panel
❸	Control module cover

User interface connection panel—ACRC301H



Item	Description
❶	Upper electrical box cover
❷	User interface connection panel
❸	Control module cover

Interface connection

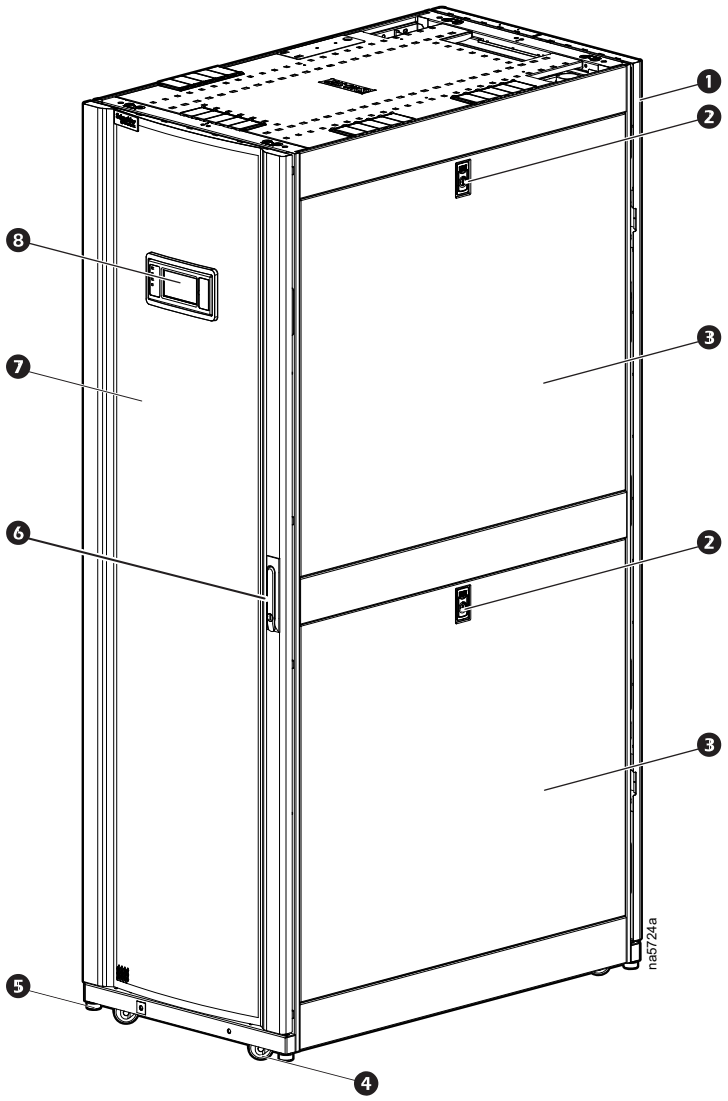


Item	Description
❶	Universal sensor ports
❷	Network connection
❸	Touchscreen display connection
❹	Modbus connection
❺	Modbus configuration switches
❻	Processor status LED
❼	USB device port

Item	Description
❽	USB host port
❾	Serial port
❿	A-Link port
⓫	Reset button
⓬	Output relay 4/standby input
⓭	Output relay 1–3

InRow ACRC600/ACRC600P Series

External components

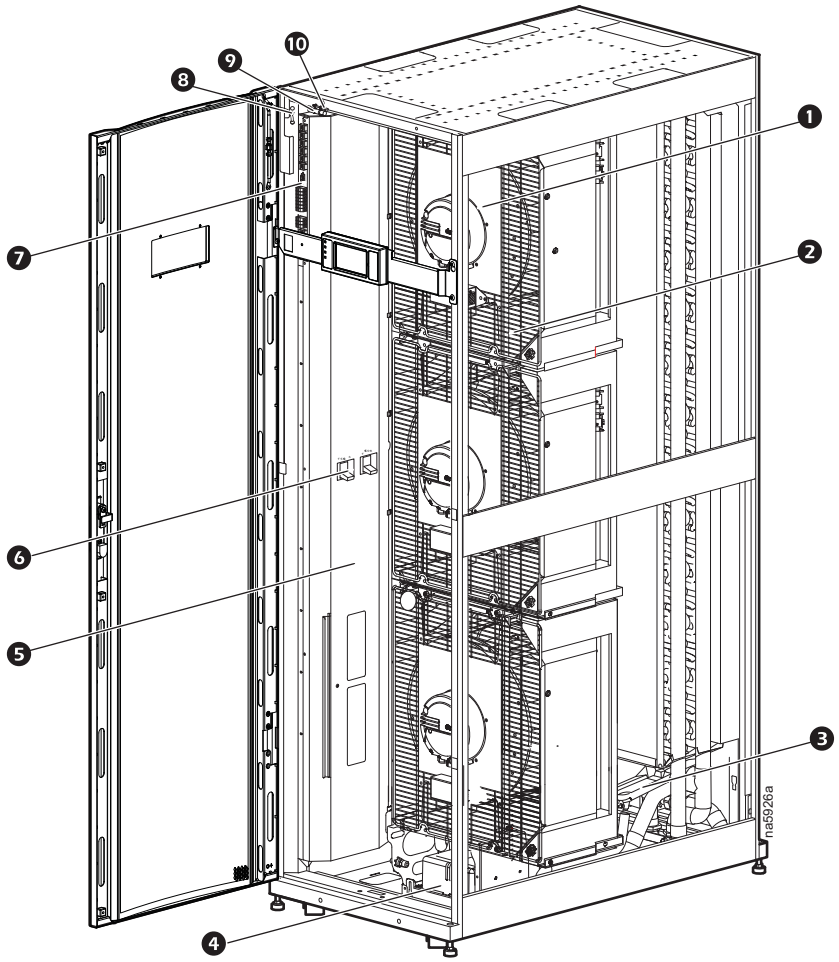


Item	Description
1	Removable rear doors
2	Side panel lock
3	Removable side panel
4	Caster

Item	Description
5	Adjustable leveling foot
6	Door handle and lock
7	Removable front door
8	Display interface

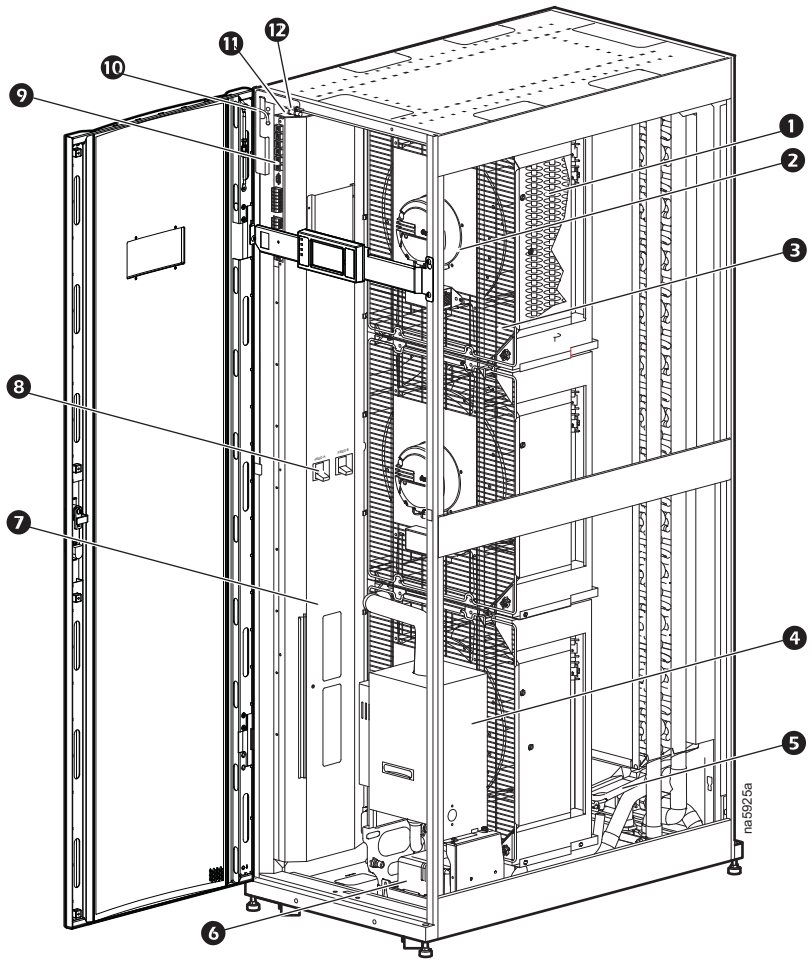
Interior components (front)

ACRC60x



Item	Description	Item	Description
1	Fan	6	Main feed breakers
2	Fan guard	7	Customer interface connectors
3	Condensate drain pan	8	Ground wire
4	Condensate pump	9	Supply air humidity sensor
5	Electrical panel	10	Supply air temperature sensor

ACRC60xP

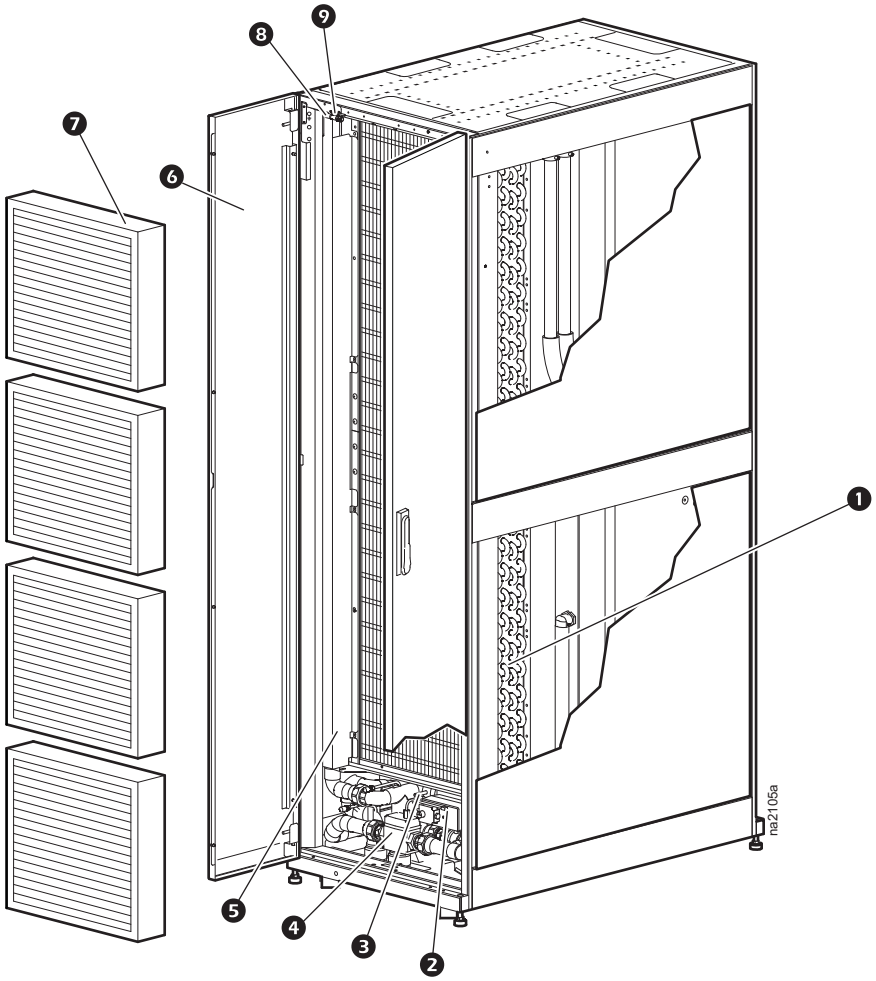


Item	Description
❶	Electrical heater
❷	Fan
❸	Fan guard
❹	Humidifier
❺	Condensate drain pan
❻	Condensate pump

Item	Description
❼	Electrical panel
❽	Main feed breakers
❾	Customer interface connectors
❿	Ground wire
⓫	Supply humidity sensor
⓬	Supply air temperature sensors

Interior components (rear)

ACRC60x—ACRC60xP

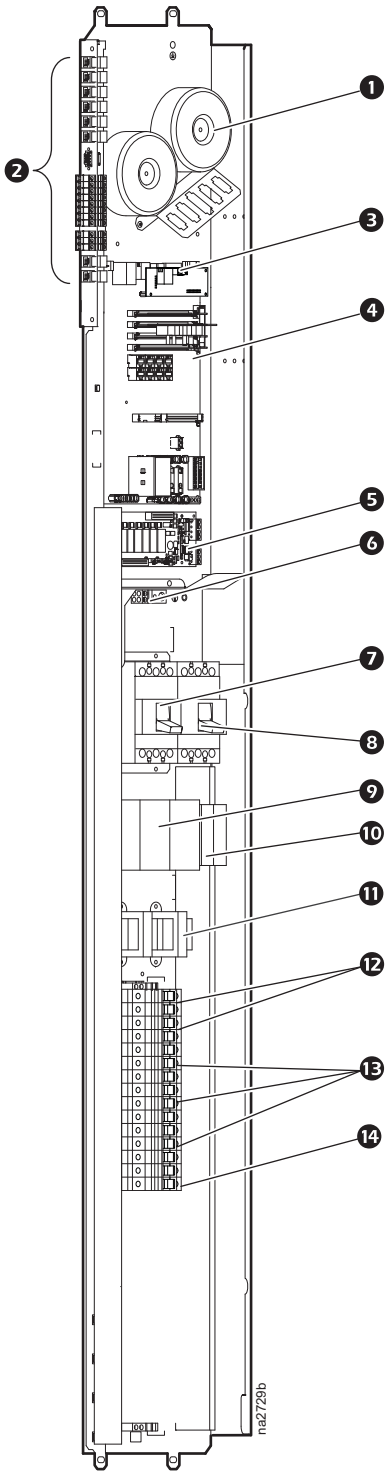


Item	Description
❶	Chilled water coil
❷	Chilled water control actuator
❸	Chilled water three-way valve body
❹	Flow meter
❺	Pipe chase

Item	Description
❻	Rear doors
❼	Air filters
❽	Return humidity sensor (ACRC60xP only)
❾	Return temperature sensor

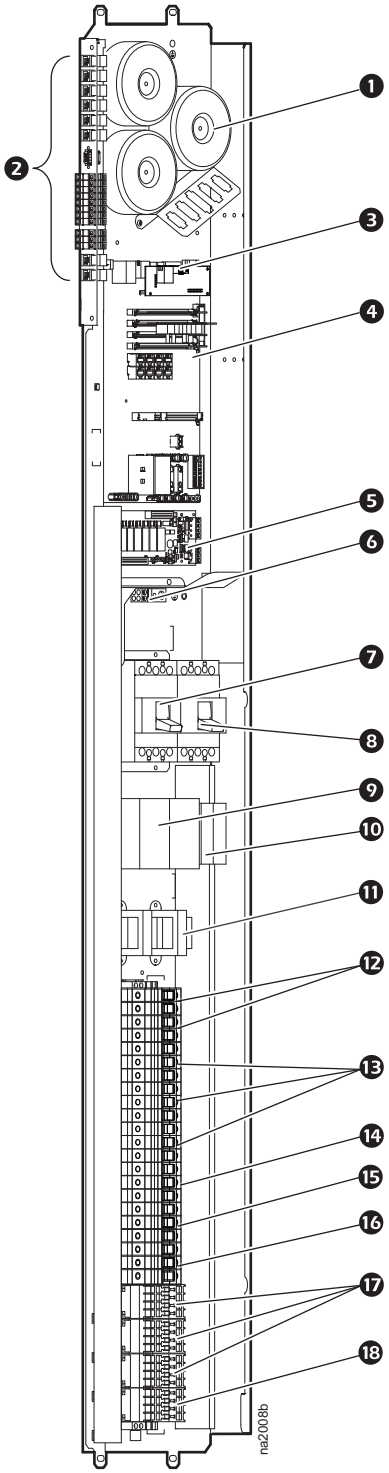
Electrical panel

ACRC60x



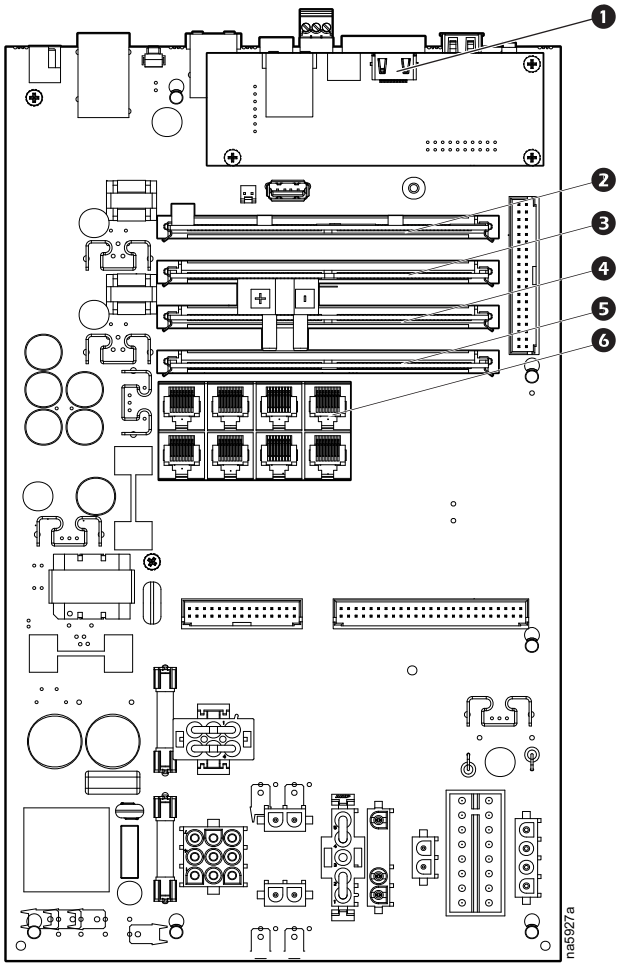
Item	Description
❶	Transformers
❷	Customer interface connectors
❸	Display interface connection
❹	Main controller board
❺	Relay board
❻	Ground lug
❼	Main circuit breaker — power feed A
❽	Main circuit breaker — power feed B
❾	Automatic transfer switch (ATS) contactors
❿	ATS timers
⓫	ATS transformer (ACRC601 and ACRC602 only)
⓬	ATS timer circuit breakers
⓭	Fan circuit breakers
⓮	Controller fuse assembly

ACRC60xP



Item	Description
❶	Transformers
❷	Customer interface connectors
❸	Display interface connection
❹	Main controller board
❺	Relay board
❻	Ground lug
❼	Main circuit breaker — power feed A
❽	Main circuit breaker — power feed B
❾	Automatic transfer switch (ATS) contactors
❿	ATS timers
⓫	ATS transformer (ACRC601P and ACRC602P only)
⓬	ATS timer circuit breakers
⓭	Fan circuit breakers
⓮	Controller fuse assembly
⓯	Humidifier circuit breaker
⓰	Heater circuit breaker
⓱	Heater contactors
⓲	Humidifier contactor

Main controller board



Item	Description
1	Display interface connection
2	R2 SIMM card
3	Differential pressure SIMM
4	Internal RS485 SIMM
5	OPTO-isolated input SIMM
6	Temperature sensor connectors

Determining Cooling Capacity

IT equipment requires two acceptable limits in order for effective cooling to occur. These parameters are inlet air temperature and flow rate of air through the IT equipment. It is entirely possible, though undesirable, to design a computer room with enough heat removal capacity, but with an inadequate volumetric flow rate of cool air supply. When this condition exists, IT equipment will be subjected to excessively high operating temperatures on a localized basis due to recirculation, and cooling equipment will operate at less than optimal efficiency. Schneider Electric provides the necessary data to prevent this undesirable situation. The first table, titled “Recommended Capacity Limitations,” shows the capacity limits based on air flow of the InRow RC. The following tables, titled “Performance Specifications”, show the recommended maximum amount of load that should be placed upon the cooling unit solely based on heat removal capability. The lesser of the two capacity numbers obtained from the “Recommended Capacity Limitations” table and “Performance Specification” table should be considered the maximum load capable of being served by the InRow RC. A definition of the terms in these tables follows:

IT equipment air flow (kW/CFM and kW/l/s)—The average cooling air flow rate demanded by IT equipment in liters per second (cubic feet per minute) divided by the total actual power dissipation of IT equipment in kilowatts.

Recommended capacity limit (kW)—The corresponding maximum load in kilowatts capable of being served by the cooling unit solely based on conservation of volumetric air flow.

DB (°C and °F)—The dry bulb temperature in degrees Fahrenheit and Celsius of the return air stream to the cooling unit.

WB (°C and °F)—The wet bulb temperature in degrees Fahrenheit and Celsius of the return air stream to the cooling unit.

CW delta T (°C and °F)—The difference in temperature in degrees Fahrenheit and Celsius between chilled water entering and exiting the cooling unit.

Sensible net capacity (kW and BTU/hr)—The sensible net heat removal capacity of fan heat, of the cooling unit at stated operating conditions.

Total net capacity (kW and BTU/hr)—The total (sensible + latent) net heat removal capacity of fan heat, of the cooling unit at stated operating conditions.

Sensible heat ratio (SHR)—The sensible heat ratio of the unit at stated conditions. Sensible Heat Ratio is the ratio of sensible capacity to total capacity.

CW flow rate (l/s and GPM)—The volumetric flow rate of chilled water through the cooling unit in gallons per minute, and liters per second, that is required to result in the stated performance. For base loads, ACRC301S units should not have a flow rate greater than 1.3 l/s (20.8 GPM), ACRC301H units should not have a flow rate greater than 1.95 l/s (30.9 GPM), and ACRC600/ACRC600P series units should not have a flow rate greater than 2.08 l/s (33 GPM); peak loads may exceed these flow rates by up to 25 percent for short time spans.

Total CW pressure drop (kPa and ft H_2O)—The differential pressure observed between inlet and outlet chilled water connections for the stated CW flow rate.

Recommended Capacity Limitations

ACRC301S

IT Equipment ΔT – °C (°F)	IT Equipment Air Flow – l/s per kW (CFM/kW)	Recommended Capacity Limit – (kW)
5.56 (10)	150 (317)	10.1
8.33 (15)	100 (211)	15.1
11.11 (20)	75 (158)	20.3
13.89 (25)	60 (128)	25.0
16.67 (30)	50 (107)	30.0
19.44 (35)	43 (92)	34.7
22.22 (40)	38 (81)	39.7
25 (45)	34 (72)	40.0

ACRC301H

IT Equipment ΔT – °C (°F)	IT Equipment Air Flow – l/s per kW (CFM/kW)	Recommended Capacity Limit – (kW)
5.56 (10)	150 (317)	13.3
8.33 (15)	100 (211)	19.9
11.11 (20)	75 (158)	26.5
13.89 (25)	60 (128)	32.9
16.67 (30)	50 (107)	39.4
19.44 (35)	43 (92)	45.6
22.22 (40)	38 (81)	52.1
25 (45)	34 (72)	58.6

ACRC600/ACRC600P series

IT Equipment ΔT – °C (°F)	IT Equipment Air Flow – l/s per kW (CFM/kW)	Recommended Capacity Limit – (kW)
11.0 (19.8)	75.5 (160)	43
11.3 (20.4)	73.2 (155)	45
11.7 (21.1)	70.8 (150)	46
12.1 (21.8)	68.4 (145)	48
12.5 (22.6)	66.1 (140)	49
13.0 (23.4)	63.7 (135)	51
13.5 (24.3)	61.4 (130)	53
14.1 (25.3)	59.0 (125)	55
14.6 (26.4)	56.6 (120)	58
15.3 (27.5)	54.3 (115)	60
15.9 (28.7)	51.9 (110)	63
16.7 (30.1)	49.6 (105)	66
17.5 (31.6)	47.2 (100)	69

ACRC301S

Performance specifications 5°C (41°F) EWT

Temperature DB, WB – °C (°F)	CW Delta T – °C (°F)	Total Net Capacity – kW (BTU/hr)	Sensible Net Capacity – kW (BTU/hr)	Sensible Heat Ratio – SHR	CW Flow Rate – l/s (GPM)	Total CW Pressure Drop – kPa (ft H_2O)
26.7°C DB, 17.1°C WB (80°F DB,63°F WB)						
	5.5°C (10°F)	21.3 (73000)	20.9 (71000)	0.98	0.97 (15.4)	49.8 (16.7)
	6.6°C (12°F)	19.5 (67000)	19.1 (65000)	0.98	0.71 (11.3)	29.3 (9.8)
	7.7°C (14°F)	18.0 (62000)	17.7 (60000)	0.98	0.59 (9.3)	20.5 (6.9)
	8.8°C (16°F)	16.6 (57000)	16.3 (56000)	0.98	0.48 (7.6)	13.9 (4.7)
	10.0°C (18°F)	15.3 (52000)	15.0 (51000)	0.98	0.39 (6.2)	9.1 (3.0)
	11.1°C (20°F)	14.1 (48000)	13.8 (47000)	0.98	0.33 (5.2)	6.0 (2.0)
29.4°C DB, 18.1°C WB (85°F DB, 65°F WB)						
	5.5°C (10°F)	24.8 (85000)	24.3 (83000)	0.98	1.13 (17.9)	64.5 (21.6)
	6.6°C (12°F)	23.0 (78000)	22.5 (77000)	0.98	0.86 (13.6)	41.0 (13.7)
	7.7°C (14°F)	21.4 (73000)	21 (72000)	0.98	0.69 (11.0)	27.5 (9.2)
	8.8°C (16°F)	20.0 (68000)	19.6 (67000)	0.98	0.57 (9.0)	19.2 (6.5)
	10.0°C (18°F)	18.7 (64000)	18.4 (63000)	0.98	0.48 (7.5)	13.7 (4.6)
	11.1°C (20°F)	17.5 (60000)	17.2 (59000)	0.98	0.40 (6.4)	9.7 (3.3)
32.2°C DB, 18.9°C WB (90°F DB, 66°F WB)						
	5.5°C (10°F)	28.2 (96000)	27.6 (94000)	0.98	1.27 (20.1)	79.5 (26.7)
	6.6°C (12°F)	26.3 (90000)	25.7 (88000)	0.98	0.97 (15.4)	49.8 (16.7)
	7.7°C (14°F)	24.8 (85000)	24.3 (83000)	0.98	0.80 (12.7)	35.5 (11.9)
	8.8°C (16°F)	23.4 (80000)	23.0 (78000)	0.98	0.66 (10.5)	25.5 (8.5)
	10.0°C (18°F)	22.1 (75000)	21.7 (74000)	0.98	0.56 (8.8)	18.5 (6.2)
	11.1°C (20°F)	20.9 (71000)	20.5 (70000)	0.98	0.48 (7.5)	13.7 (4.6)
35°C DB, 19.8°C WB (95°F DB, 68°F WB)						
	6.6°C (12°F)	29.7 (101000)	29.1 (99000)	0.98	1.08 (17.1)	61.9 (20.7)
	7.7°C (14°F)	28.3 (96000)	27.7 (95000)	0.98	0.91 (14.4)	44.2 (14.8)
	8.8°C (16°F)	26.9 (92000)	26.4 (90000)	0.98	0.76 (12.0)	32.3 (10.8)
	10.0°C (18°F)	25.6 (87000)	25.0 (85000)	0.98	0.64 (10.2)	23.9 (8.0)
	11.1°C (20°F)	24.31 (83000	23.8 (81000)	0.98	0.55 (8.7)	18.1 (6.1)
37.78°C DB, 20.7°C WB (100°F DB, 69°F WB)						
	6.6°C (12°F)	33.2 (113000)	32.5 (111000)	0.98	1.23 (19.5)	75.5 (25.3)
	7.7°C (14°F)	31.7 (108000)	31.1 (106000)	0.98	1.02 (16.1)	54.1 (18.1)
	8.8°C (16°F)	30.2 (103000)	29.6 (101000)	0.98	0.85 (13.5)	39.5 (13.2)
	10.0°C (18°F)	28.9 (99000)	28.3 (97000)	0.98	0.72 (11.5)	29.6 (9.9)
	11.1°C (20°F)	27.7 (95000)	27.2 (93000)	0.98	0.63 (9.9)	22.9 (7.7)
40.50°C DB, 21.5°C WB (105°F DB, 71°F WB)						
	7.7°C (14°F)	34.8 (119000)	34.1 (116000)	0.98	1.11 (17.6)	63.1 (21.1)
	8.8°C (16°F)	33.5 (114000)	32.8 (112000)	0.98	0.94 (14.9)	46.8 (15.7)
	10.0°C (18°F)	32.1 (110000)	31.5 (107000)	0.98	0.80 (12.7)	35.5 (11.9)
	11.1°C (20°F)	31.0 (106000)	30.3 (104000)	0.98	0.70 (11.0)	27.7(9.3)

Temperature DB, WB – °C (°F)	CW Delta T – °C (°F)	Total Net Capacity – kW (BTU/hr)	Sensible Net Capacity – – kW (BTU/hr)	Sensible Heat Ratio – SHR	CW Flow Rate – l/s (GPM)	Total CW Pressure Drop – kPa (ft H_2O)
43.33°C DB, 22.4°C WB (110°F DB, 72°F WB)						
	7.7°C (14°F)	38.5 (131000)	37.8 (12900)	0.98	1.24 (19.6)	75.8 (25.4)
	8.8°C (16°F)	37.0 (126000)	36.3 (124000)	0.98	1.04 (16.4)	55.7 (18.7)
	10.0°C (18°F)	35.7 (122000)	35.0 (119000)	0.98	0.89 (14.1)	42.6 (14.3)
	11.1°C (20°F)	34.5 (118000)	33.8 (115000)	0.98	0.78 (12.3)	33.5 (11.2)
46.11°C DB, 23.3°C WB (115°F DB, 74°F WB)						
	8.8°C (16°F)	40.5 (138000)	39.6 (135000)	0.98	1.13 (17.9)	64.7 (21.7)
	10°C (18°F)	39.1 (133000)	38.3 (131000)	0.98	0.97 (15.4)	49.7 (16.7)
	11.1°C (20°F)	37.9 (129000)	37.2 (127000)	0.98	0.85 (13.5)	39.4 (13.2)
48.89°C DB, 23.9°C WB (120°F DB, 75°F WB)						
	8.8°C (16°F)	43.9 (150000)	43.0 (147000)	0.98	1.22 (19.4)	74.4 (24.9)
	10.0°C (18°F)	42.6 (145000)	41.7 (142000)	0.98	1.05 (16.7)	57.2 (19.2)
	11.1°C (20°F)	41.4 (141000)	40.6 (138000)	0.98	0.93 (14.7)	45.8 (15.4)

Note: Any CW flow rate of 3.0 GPM–5.0 GPM may have increased error in Flow Rate and Power Calculation. A Fluid Flow Fault may result. Any flow rate under 3.0 GPM may also display as 0 in Flow Rate and Power Calculation.

Performance specifications 7.2°C (45°F) EWT (ACRC301S)

Temperature DB, WB – °C (°F)	CW Delta T – °C (°F)	Total Net Capacity – kW (BTU/hr)	Sensible Net Capacity – – kW (BTU/hr)	Sensible Heat Ratio – SHR	CW Flow Rate – l/s (GPM)	Total CW Pressure Drop – kPa (ft H_2O)
26.7°C DB, 17.1°C WB (80°F DB, 63°F WB)						
	5.5°C (10°F)	18.4 (63000)	18.2 (62000)	0.99	0.84 (13.3)	38.7 (13.0)
	6.6°C (12°F)	16.6 (57000)	16.5 (56000)	0.99	0.62 (9.8)	22.3 (7.5)
	7.7°C (14°F)	15.2 (52000)	15.1 (51000)	0.99	0.50 (8.0)	15.2 (5.1)
	8.8°C (16°F)	13.8 (47000)	13.7 (47000)	0.99	0.40 (6.3)	9.6 (3.2)
	10.0°C (18°F)	12.6 (43000)	12.5 (43000)	0.99	0.33 (5.2)	6.1 (2.1)
	11.1°C (20°F)	11.5 (39000)	11.4 (39000)	0.99	0.27 (4.3)	3.7 (1.2)
29.4°C DB, 18.1°C WB (85°F DB, 65°F WB)						
	5.5°C (10°F)	21.8 (74000)	21.6 (74000)	0.99	0.99 (15.8)	51.9 (17.4)
	6.6°C (12°F)	19.8 (68000)	19.6 (67000)	0.99	0.76 (12.0)	32.3 (10.8)
	7.7°C (14°F)	18.7 (64000)	18.5 (63000)	0.99	0.61 (9.6)	21.7 (7.3)
	8.8°C (16°F)	17.3 (59000)	17.2 (59000)	0.99	0.50 (7.9)	14.8 (5.0)
	10.0°C (18°F)	16.1 (55000)	15.9 (54000)	0.99	0.41 (6.5)	10.2 (3.4)
	11.1°C (20°F)	14.9 (51000)	14.7 (50000)	0.99	0.34 (5.4)	6.8 (2.3)
32.2°C DB, 18.9°C WB (90°F DB, 66°F WB)						
	5.5°C (10°F)	25.2 (86000)	25.0 (85000)	0.99	1.14 (18.1)	65.7 (22.0)
	6.6°C (12°F)	23.5 (80000)	23.3 (79000)	0.99	0.87 (13.8)	41.3 (13.9)
	7.7°C (14°F)	22.1 (75000)	21.9 (75000)	0.99	0.72 (11.4)	29.2 (9.8)
	8.8°C (16°F)	20.7 (71000)	20.5 (70000)	0.99	0.59 (9.3)	20.5 (6.9)
	10.0°C (18°F)	19.5 (66000)	19.3 (66000)	0.99	0.49 (7.8)	14.6 (4.9)
	11.1°C (20°F)	18.3 (62000)	18.1 (62000)	0.99	0.42 (6.6)	10.6 (3.5)
35°C DB, 19.8°C WB (95°F DB, 68°F WB)						
	5.5°C (10°F)	28.7 (98000)	28.4 (97000)	0.99	1.29 (20.5)	81.7 (27.4)
	6.6°C (12°F)	27.0 (92000)	26.7 (91000)	0.99	0.99 (15.7)	51.4 (17.2)
	7.7°C (14°F)	25.5 (87000)	25.3 (86000)	0.99	0.82 (13.1)	37.3 (12.5)
	8.8°C (16°F)	24.2 (83000)	24.0 (82000)	0.99	0.69 (10.9)	27.0 (9.1)
	10.0°C (18°F)	22.9 (78000)	22.7 (77000)	0.99	0.58 (9.1)	19.7 (6.6)
	11.1°C (20°F)	21.7 (74000)	21.5 (73000)	0.99	0.49 (7.8)	14.7 (4.9)
37.78°C DB, 20.7°C WB (100°F DB, 69°F WB)						
	6.6°C (12°F)	30.4 (104000)	30.1 (103000)	0.99	1.13 (17.9)	65.0 (21.8)
	7.7°C (14°F)	28.9 (99000)	28.6 (98000)	0.99	0.93 (14.8)	46.5 (15.6)
	8.8°C (16°F)	27.5 (94000)	27.3 (93000)	0.99	0.78 (12.3)	33.6 (11.3)
	10.0°C (18°F)	26.3 (90000)	26.0 (89000)	0.99	0.66 (10.4)	25.0 (8.4)
	11.1°C (20°F)	25.1 (86000)	24.9 (85000)	0.99	0.57 (9.0)	19.1 (6.4)
40.50°C DB, 21.5°C WB (105°F DB, 71°F WB)						
	6.6°C (12°F)	33.6 (115000)	33.3 (114000)	0.99	1.25 (19.8)	77.3 (25.9)
	7.7°C (14°F)	32.1 (110000)	31.8 (109000)	0.99	1.03 (16.3)	55.1 (18.5)
	8.8°C (16°F)	30.8 (105000)	30.5 (104000)	0.99	0.87 (13.7)	10.7 (13.7)
	10.0°C (18°F)	29.6 (101000)	29.3 (100000)	0.99	0.74 (11.7)	30.8 (10.3)
	11.1°C (20°F)	28.4 (97000)	28.1 (96000)	0.99	0.64 (10.1)	23.8 (8.0)

Temperature DB, WB – °C (°F)	CW Delta T – °C (°F)	Total Net Capacity – kW (BTU/hr)	Sensible Net Capacity – – kW (BTU/hr)	Sensible Heat Ratio – SHR	CW Flow Rate – l/s (GPM)	Total CW Pressure Drop – kPa (ft H_2O)
43.33°C DB, 22.4°C WB (110°F DB, 72°F WB)						
	7.7°C (14°F)	35.8 (122000)	35.4 (121000)	0.99	1.15 (18.2)	66.9 (22.4)
	8.8°C (16°F)	34.4 (117000)	34.0 (116000)	0.99	0.96 (15.3)	49.1 (16.5)
	10.0°C (18°F)	33.1 (113000)	32.8 (112000)	0.99	0.82 (13.0)	37.1 (12.5)
	11.1°C (20°F)	31.9 (109000)	31.6 (108000)	0.99	0.72 (11.4)	29.2 (9.8)
46.11°C DB, 23.3°C WB (115°F DB, 74°F WB)						
	7.7°C (14°F)	39.2 (134000)	38.8 (132000)	0.99	1.26 (20.0)	78.3 (26.3)
	8.8°C (16°F)	37.8 (129000)	37.4 (128000)	0.99	1.06 (16.8)	57.7 (19.3)
	10.0°C (18°F)	36.5 (124000)	36.1 (123000)	0.99	0.90 (14.3)	43.9 (14.7)
	11.1°C (20°F)	35.3 (120000)	35.0 (119000)	0.99	0.79 (12.5)	34.8 (11.7)
48.89°C DB, 23.9°C WB (120°F DB, 75°F WB)						
	8.8°C (16°F)	41.2 (141000)	40.8 (140000)	0.99	1.15 (18.2)	66.8 (22.4)
	10.0°C (18°F)	39.9 (136000)	39.5 (135000)	0.99	0.99 (15.7)	51.3 (17.2)
	11.1°C (20°F)	38.8 (132000)	38.4 (131000)	0.99	0.87 (13.8)	40.9 (13.7)

Note: Any CW flow rate of 3.0 GPM–5.0 GPM may have increased error in Flow Rate and Power Calculation. A Fluid Flow Fault may result. Any flow rate under 3.0 GPM may also display as 0 in Flow Rate and Power Calculation.

Performance specifications 8.8°C (48°F) EWT (ACRC301S)

Temperature DB, WB – °C (°F)	CW Delta T – °C (°F)	Total Net Capacity – kW (BTU/hr)	Sensible Net Capacity – kW (BTU/hr)	Sensible Heat Ratio – SHR	CW Flow Rate – l/s (GPM)	Total CW Pressure Drop – kPa (ft H_2O)
26.7°C DB, 17.1°C WB (80°F DB,63°F WB)						
	5.5°C (10°F)	16.2 (55000)	16.0 (55000)	0.99	0.75 (11.8)	31.4 (10.5)
	6.6°C (12°F)	14.6 (50000)	14.5 (49000)	0.99	0.56 (8.8)	17.9 (6.0)
	7.7°C (14°F)	13.2 (45000)	13.1 (45000)	0.99	0.44 (7.0)	11.7 (3.9)
	8.8°C (16°F)	11.9 (41000)	11.8 (40000)	0.99	0.35 (5.5)	7.1 (2.4)
	10.0°C (18°F)	10.7 (37000)	10.6 (36000)	0.99	0.28 (4.4)	4.0 (1.3)
29.4°C DB, 18.1°C WB (85°F DB, 65°F WB)						
	5.5°C (10°F)	19.7 (67000)	19.5 (66000)	0.99	0.90 (14.3)	43.5 (14.6)
	6.6°C (12°F)	18.2 (62000)	18.0 (61000)	0.99	0.69 (10.9)	26.1 (8.8)
	7.7°C (14°F)	16.7 (57000)	16.5 (56000)	0.99	0.55 (8.6)	17.8 (6.0)
	8.8°C (16°F)	15.4 (52000)	15.2 (52000)	0.99	0.44 (7.0)	11.8 (4.0)
	10.0°C (18°F)	14.2 (48000)	14.0 (48000)	0.99	0.36 (5.8)	7.8 (2.6)
	11.1°C (20°F)	13.0 (44000)	12.8 (44000)	0.99	0.30 (4.8)	4.9 (1.7)
32.2°C DB, 18.9°C WB (90°F DB, 66°F WB)						
	5.5°C (10°F)	23.0 (79000)	22.8 (78000)	0.99	1.04 (16.6)	56.5 (18.9)
	6.6°C (12°F)	21.5 (73000)	21.2 (72000)	0.99	0.82 (13.0)	36.8 (12.3)
	7.7°C (14°F)	20.1 (69000)	19.9 (68000)	0.99	0.65 (10.4)	24.8 (8.3)
	8.8°C (16°F)	18.8 (64000)	18.6 (63000)	0.99	0.54 (8.5)	17.3 (5.8)
	10.0°C (18°F)	17.5 (60000)	17.4 (59000)	0.99	0.45 (7.1)	12.1 (4.1)
	11.1°C (20°F)	16.4 (56000)	16.2 (55000)	0.99	0.38 (6.0)	8.5 (2.9)
35°C DB, 19.8°C WB (95°F DB, 68°F WB)						
	5.5°C (10°F)	26.5 (91000)	26.3 (90000)	0.99	1.20 (19.0)	71.7 (24.0)
	6.6°C (12°F)	25.0 (85000)	24.8 (85000)	0.99	0.95 (15.1)	46.6 (15.6)
	7.7°C (14°F)	23.6 (80000)	23.3 (80000)	0.99	0.76 (12.1)	32.5 (10.9)
	8.8°C (16°F)	22.3 (76000)	22.0 (75000)	0.99	0.63 (10.0)	23.4 (7.8)
	10.0°C (18°F)	21.0 (72000)	20.8 (71000)	0.99	0.53 (8.4)	16.9 (5.7)
	11.1°C (20°F)	19.8 (68000)	19.6 (67000)	0.99	0.45 (7.2)	12.3 (4.1)
37.78°C DB, 20.7°C WB (100°F DB, 69°F WB)						
	6.6°C (12°F)	28.5 (97000)	28.2 (96000)	0.99	1.08 (17.0)	59.5 (19.9)
	7.7°C (14°F)	26.9 (92000)	26.7 (91000)	0.99	0.87 (13.8)	41.2 (13.8)
	8.8°C (16°F)	25.6 (87000)	25.3 (86000)	0.99	0.72 (11.5)	29.7 (10.0)
	10.0°C (18°F)	24.4 (83000)	24.1 (82000)	0.99	0.61 (9.7)	22.0 (7.4)
	11.1°C (20°F)	23.2 (79000)	23.0 (78000)	0.99	0.53 (8.4)	16.7 (5.6)
40.50°C DB, 21.5°C WB (105°F DB, 71°F WB)						
	6.6°C (12°F)	32.1 (109000)	31.8 (108000)	0.99	1.21 (19.2)	72.2 (24.2)
	7.7°C (14°F)	30.2 (103000)	29.9 (102000)	0.99	0.97 (15.4)	49.6 (16.6)
	8.8°C (16°F)	28.9 (99000)	28.6 (98000)	0.99	0.81 (12.9)	36.5 (12.2)
	10.0°C (18°F)	27.7 (94000)	27.4 (93000)	0.99	0.69 (11.0)	27.5 (9.2)
	11.1°C (20°F)	26.5 (90000)	26.2 (90000)	0.99	0.60 (9.5)	21.1 (7.1)

Temperature DB, WB – °C (°F)	CW Delta T – °C (°F)	Total Net Capacity – kW (BTU/hr)	Sensible Net Capacity – kW (BTU/hr)	Sensible Heat Ratio – SHR	CW Flow Rate – l/s (GPM)	Total CW Pressure Drop – kPa (ft H_2O)
43.33°C DB, 22.4°C WB (110°F DB, 72°F WB)						
	7.7°C (14°F)	33.8 (115000)	33.4 (114000)	0.99	1.09 (17.2)	60.6 (20.3)
	8.8°C (16°F)	32.4 (111000)	32.1 (110000)	0.99	0.91 (14.4)	44.5 (14.9)
	10.0°C (18°F)	31.2 (106000)	30.9 (105000)	0.99	0.78 (12.3)	33.7 (11.3)
	11.1°C (20°F)	30.0 (102000)	29.7 (101000)	0.99	0.68 (10.7)	26.4 (8.9)
46.11°C DB, 23.3°C WB (115°F DB, 74°F WB)						
	7.7°C (14°F)	37.2 (127000)	36.8 (126000)	0.99	1.20 (19.0)	71.6 (24.0)
	8.8°C (16°F)	35.8 (122000)	35.5 (121000)	0.99	1.00 (15.9)	52.8 (17.7)
	10.0°C (18°F)	34.6 (118000)	34.2 (117000)	0.99	0.86 (13.6)	40.2 (13.5)
	11.1°C (20°F)	33.4 (114000)	33.1 (113000)	0.99	0.75 (11.9)	31.8 (10.7)
48.89°C DB, 23.9°C WB (120°F DB, 75°F WB)						
	7.7°C (14°F)	40.7 (139000)	40.3 (137000)	0.99	1.31 (20.7)	83.5 (28.0)
	8.8°C (16°F)	39.3 (134000)	38.9 (133000)	0.99	1.10 (17.4)	61.5 (20.6)
	10.0°C (18°F)	38.0 (130000)	37.6 (128000)	0.99	0.94 (14.9)	27.2 (15.8)
	11.1°C (20°F)	36.8 (126000)	36.5 (124000)	0.99	0.83 (13.1)	37.5 (12.6)

Note: Any CW flow rate of 3.0 GPM–5.0 GPM may have increased error in Flow Rate and Power Calculation. A Fluid Flow Fault may result. Any flow rate under 3.0 GPM may also display as 0 in Flow Rate and Power Calculation.

Performance specifications 10°C (50°F) EWT (ACRC301S)

Temperature DB, WB – °C (°F)	CW Delta T – °C (°F)	Total Net Capacity – kW (BTU/hr)	Sensible Net Capacity – kW (BTU/hr)	Sensible Heat Ratio – SHR	CW Flow Rate – l/s (GPM)	Total CW Pressure Drop – kPa (ft H_2O)
26.7°C DB, 17.1°C WB (80°F DB,63°F WB)						
	5.5°C (10°F)	14.6 (50000)	14.6 (50000)	1.00	0.67 (10.7)	26.2 (8.8)
	6.6°C (12°F)	13.1 (45000)	13.1 (45000)	1.00	0.48 (7.7)	13.6 (4.6)
	7.7°C (14°F)	11.7 (40000)	11.7 (40000)	1.00	0.39 (6.2)	9.2 (3.1)
	8.8°C (16°F)	10.7 (36000)	10.7 (36000)	1.00	0.31 (4.9)	5.2 (1.7)
	10.0°C (18°F)	9.4 (32000)	9.4 (32000)	1.00	0.25 (4.0)	2.8 (0.9)
29.4°C DB, 18.1°C WB (85°F DB, 65°F WB)						
	5.5°C (10°F)	18.0 (62000)	18.0 (62000)	1.00	0.83 (13.1)	37.6 (12.6)
	6.6°C (12°F)	16.5 (56000)	16.5 (56000)	1.00	0.61 (9.7)	21.6 (7.2)
	7.7°C (14°F)	15.2 (52000)	15.2 (52000)	1.00	0.50 (7.9)	15.0 (5.0)
	8.8°C (16°F)	13.9 (47000)	13.9 (47000)	1.00	0.40 (6.4)	9.8 (3.3)
	10.0°C (18°F)	12.7 (43000)	12.7 (43000)	1.00	0.33 (5.2)	6.2 (2.1)
	11.1°C (20°F)	11.5 (39000)	11.5 (39000)	1.00	0.27 (4.3)	3.6 (1.2)
32.2°C DB, 18.9°C WB (90°F DB, 66°F WB)						
	5.5°C (10°F)	21.4 (73000)	21.4 (73000)	1.00	0.97 (15.4)	50.1 (16.8)
	6.6°C (12°F)	19.9 (68000)	19.9 (68000)	1.00	0.74 (11.7)	31.0 (10.4)
	7.7°C (14°F)	18.6 (63000)	18.6 (63000)	1.00	0.61 (9.6)	21.7 (7.3)
	8.8°C (16°F)	17.3 (59000)	17.3 (59000)	1.00	0.50 (7.9)	14.8 (5.0)
	10.0°C (18°F)	16.1 (55000)	16.1 (55000)	1.00	0.41 (6.6)	10.4 (3.5)
	11.1°C (20°F)	15.0 (51000)	15.0 (51000)	1.00	0.34 (5.5)	6.9 (2.3)
35°C DB, 19.8°C WB (95°F DB, 68°F WB)						
	5.5°C (10°F)	24.9 (85000)	24.9 (85000)	1.00	1.13 (17.9)	64.5 (21.6)
	6.6°C (12°F)	23.5 (80000)	23.5 (80000)	1.00	0.87 (13.8)	40.8 (13.7)
	7.7°C (14°F)	22.1 (75000)	22.1 (75000)	1.00	0.72 (11.3)	29.1 (9.8)
	8.8°C (16°F)	20.8 (71000)	20.8 (71000)	1.00	0.59 (9.4)	20.7 (7.0)
	10.0°C (18°F)	19.6 (67000)	19.6 (67000)	1.00	0.49 (7.8)	14.8 (5.0)
	11.1°C (20°F)	18.4 (63000)	18.4 (63000)	1.00	0.42 (6.7)	10.7 (3.6)
37.78°C DB, 21.5°C WB (100°F DB, 71°F WB)						
	5.5°C (10°F)	28.2 (96000)	28.2 (96000)	1.00	1.27 (20.2)	79.8 (26.8)
	6.6°C (12°F)	26.6 (91000)	26.6 (91000)	1.00	1.00 (15.9)	52.7 (17.7)
	7.7°C (14°F)	25.4 (87000)	25.4 (87000)	1.00	0.82 (13.0)	37.3 (12.5)
	8.8°C (16°F)	24.1 (82000)	24.1 (82000)	1.00	0.68 (10.8)	26.8 (9.0)
	10.0°C (18°F)	22.9 (78000)	22.9 (78000)	1.00	0.58 (9.2)	19.8 (6.7)
	11.1°C (20°F)	21.8 (74000)	21.8 (74000)	1.00	0.49 (7.8)	14.7 (4.9)
40.50°C DB, 21.5°C WB (105°F DB, 71°F WB)						
	6.6°C (12°F)	29.6 (101000)	29.6 (101000)	1.00	1.12 (17.7)	64.1 (21.5)
	7.7°C (14°F)	28.7 (98000)	28.7 (98000)	1.00	0.92 (14.6)	45.6 (15.3)
	8.8°C (16°F)	27.4 (94000)	27.4 (94000)	1.00	0.77 (12.3)	33.5 (11.2)
	10.0°C (18°F)	26.2 (90000)	26.2 (90000)	1.00	0.66 (10.4)	25.1 (8.4)
	11.1°C (20°F)	25.1 (86000)	25.1 (86000)	1.00	0.57 (9.0)	19.2 (6.4)

Temperature DB, WB – °C (°F)	CW Delta T – °C (°F)	Total Net Capacity – kW (BTU/hr)	Sensible Net Capacity – kW (BTU/hr)	Sensible Heat Ratio – SHR	CW Flow Rate – l/s (GPM)	Total CW Pressure Drop – kPa (ft H_2O)
43.33°C DB, 22.4°C WB (110°F DB, 72°F WB)						
	6.6°C (12°F)	33.5 (114000)	33.5 (114000)	1.00	1.26 (20.0)	78.9 (38.7)
	7.7°C (14°F)	32.3 (110000)	32.3 (110000)	1.00	1.04 (16.5)	56.0 (18.8)
	8.8°C (16°F)	31.0 (106000)	31.0 (106000)	1.00	0.87 (13.8)	41.0 (13.8)
	10.0°C (18°F)	29.7 (101000)	29.7 (101000)	1.00	0.74 (11.)	31.1 (10.4)
	11.1°C (20°F)	28.6 (98000)	28.6 (98000)	1.00	0.64 (10.2)	24.0 (8.1)
46.11°C DB, 23.3°C WB (115°F DB, 74°F WB)						
	7.7°C (14°F)	35.7 (122000)	35.7 (122000)	1.00	1.15 (18.2)	66.6 (22.3)
	8.8°C (16°F)	34.4 (117000)	34.4 (117000)	1.00	0.96 (15.3)	49.0 (16.4)
	10.0°C (18°F)	33.1 (113000)	33.1 (113000)	1.00	0.83 (13.1)	37.5 (12.6)
	11.1°C (20°F)	32.0 (109000)	32.0 (109000)	1.00	0.72 (11.4)	29.2 (9.8)
48.89°C DB, 23.9°C WB (120°F DB, 75°F WB)						
	7.7°C (14°F)	39.1 (134000)	39.1 (134000)	1.00	1.26 (19.9)	78.0 (26.2)
	8.8°C (16°F)	37.8 (129000)	37.7 (129000)	1.00	1.06 (16.7)	57.6 (19.3)
	10.0°C (18°F)	36.5 (125000)	36.5 (125000)	1.00	0.91 (14.4)	44.2 (14.8)
	11.1°C (20°F)	35.4 (121000)	35.4 (121000)	1.00	0.79 (12.6)	35.0 (11.7)

Note: Any CW flow rate of 3.0 GPM–5.0 GPM may have increased error in Flow Rate and Power Calculation. A Fluid Flow Fault may result. Any flow rate under 3.0 GPM may also display as 0 in Flow Rate and Power Calculation.

Performance specifications 12.7°C (55°F) EWT (ACRC301S)

Temperature DB, WB – °C (°F)	CW Delta T – °C (°F)	Total Net Capacity – kW (BTU/hr)	Sensible Net Capacity – kW (BTU/hr)	Sensible Heat Ratio – SHR	CW Flow Rate – l/s (GPM)	Total CW Pressure Drop – kPa (ft H_2O)
26.7°C DB, 17.1°C WB (80°F DB,63°F WB)						
	5.5°C (10°F)	11.0 (37000)	11.0 (37000)	1.00	0.51 (8.2)	15.9 (5.3)
	6.6°C (12°F)	9.6 (33000)	9.6 (33000)	1.00	0.38 (6.0)	8.5 (2.9)
	7.7°C (14°F)	8.3 (28000)	8.3 (28000)	1.00	0.28 (4.5)	4.2 (1.4)
29.4°C DB, 18.1°C WB (85°F DB, 65°F WB)						
	5.5°C (10°F)	14.4 (49000)	14.4 (49000)	1.00	0.67 (10.6)	25.6 (8.6)
	6.6°C (12°F)	13.1 (45000)	13.1 (45000)	1.00	0.51 (8.1)	15.7 (5.2)
	7.7°C (14°F)	11.8 (40000)	11.8 (40000)	1.00	0.39 (6.3)	9.4 (3.1)
	8.8°C (16°F)	10.6 (36000)	10.6 (36000)	1.00	0.31 (4.9)	5.4 (1.8)
	10.0°C (18°F)	9.4 (32000)	9.4 (32000)	1.00	0.25 (4.0)	2.7 (0.9)
32.2°C DB, 18.9°C WB (90°F DB, 66°F WB)						
	5.5°C (10°F)	17.8 (61000)	17.8 (61000)	1.00	0.82 (12.9)	36.7 (12.3)
	6.6°C (12°F)	16.6 (56000)	16.6 (56000)	1.00	0.63 (10.0)	23.3 (7.8)
	7.7°C (14°F)	15.2 (52000)	15.2 (52000)	1.00	0.50 (8.0)	15.2 (5.1)
	8.8°C (16°F)	14.1 (48000	14.1 (48000)	1.00	0.41 (6.5)	10.1 (3.4)
	10.0°C (18°F)	12.9 (44000)	12.9 (44000)	1.00	0.33 (5.3)	6.4 (2.1)
	11.1°C (20°F)	11.7 (40000)	11.7 (40000)	1.00	0.27 (4.3)	3.7 (1.2)
35°C DB, 19.8°C WB (95°F DB, 68°F WB)						
	5.5°C (10°F)	21.3 (73000)	21.3 (73000)	1.00	0.97 (15.4)	49.6 (16.6)
	6.6°C (12°F)	20.0 (68000)	20.0 (68000)	1.00	0.76 (12.0)	32.4 (10.8)
	7.7°C (14°F)	18.7 (64000)	18.7 (64000)	1.00	0.61 (9.7)	22.0 (7.4)
	8.8°C (16°F)	17.5 (60000)	17.5 (60000)	1.00	0.50 (8.0)	15.2 (5.1)
	10.0°C (18°F)	16.3 (56000)	16.3 (56000)	1.00	0.42 (6.6)	10.5 (3.5)
	11.1°C (20°F)	15.2 (52000)	15.2 (52000)	1.00	0.35 (5.5)	7.2 (2.4)
37.78°C DB, 21.5°C WB (100°F DB, 71°F WB)						
	5.5°C (10°F)	24.6 (84000)	24.6 (84000)	1.00	1.12 (17.7)	63.4 (21.3)
	6.6°C (12°F)	23.4 (80000)	23.4 (80000)	1.00	0.88 (14.0)	42.3 (14.2)
	7.7°C (14°F)	22.1 (75000)	22.1 (75000)	1.00	0.72 (11.4)	29.2 (9.8)
	8.8°C (16°F)	20.9 (71000)	20.9 (71000)	1.00	0.60 (9.4)	20.9 (7.0)
	10.0°C (18°F)	19.7 (67000)	19.7 (67000)	1.00	0.50 (7.9)	15.0 (5.0)
	11.1°C (20°F)	18.5 (63000)	18.5 (63000)	1.00	0.42 (6.7)	10.8 (3.6)
40.50°C DB, 21.5°C WB (105°F DB, 71°F WB)						
	5.5°C (10°F)	27.9 (95000)	27.9 (95000)	1.00	1.25 (19.9)	77.7 (26.1)
	6.6°C (12°F)	26.9 (92000)	26.9 (92000)	1.00	1.01 (16.0)	53.0 (17.8)
	7.7°C (14°F)	25.4 (87000)	25.4 (87000)	1.00	0.82 (13.0)	37.2 (12.5)
	8.8°C (16°F)	24.2 (83000)	24.2 (83000)	1.00	0.69 (10.9)	27.0 (9.0)
	10.0°C (18°F)	23.1 (79000)	23.1 (79000)	1.00	0.58 (9.2)	20.1 (6.7)
	11.1°C (20°F)	21.9 (75000)	21.9 (75000)	1.00	0.50 (7.9)	15.0 (5.0)

Temperature DB, WB – °C (°F)	CW Delta T – °C (°F)	Total Net Capacity – kW (BTU/hr)	Sensible Net Capacity – kW (BTU/hr)	Sensible Heat Ratio – SHR	CW Flow Rate – l/s (GPM)	Total CW Pressure Drop – kPa (ft H_2O)
43.33°C DB, 22.4°C WB (110°F DB, 72°F WB)						
	6.6°C (12°F)	30.3 (103000)	30.3 (103000)	1.00	1.14 (18.0)	65.5 (22.0)
	7.7°C (14°F)	28.9 (99000)	28.9 (99000)	1.00	0.93 (14.8)	46.3 (15.5)
	8.8°C (16°F)	27.7 (94000)	27.7 (94000)	1.00	0.78 (12.4)	34.1 (11.4)
	10.0°C (18°F)	26.5 (90000)	26.5 (90000)	1.00	0.66 (10.5)	25.5 (8.5)
	11.1°C (20°F)	25.4 (87000)	25.4 (87000)	1.00	0.57 (9.1)	19.5 (6.5)
46.11°C DB, 23.3°C WB (115°F DB, 74°F WB)						
	6.6°C (12°F)	33.7 (115000)	33.7 (115000)	1.00	1.26 (20.0)	78.8 (26.4)
	7.7°C (14°F)	32.3 (110000)	32.3 (110000)	1.00	1.04 (16.5)	56.0 (18.8)
	8.8°C (16°F)	31.1 (106000)	31.1 (106000)	1.00	0.88 (13.9)	41.5 (13.9)
	10.0°C (18°F)	29.9 (102000)	29.9 (102000)	1.00	0.75 (11.8)	31.4 (10.5)
	11.1°C (20°F)	28.8 (98000)	28.8 (98000)	1.00	0.65 (10.3)	24.3 (8.2)
48.89°C DB, 23.9°C WB (120°F DB, 75°F WB)						
	7.7°C (14°F)	35.7 (122000)	35.7 (122000)	1.00	1.15 (18.1)	66.4 (22.2)
	8.8°C (16°F)	34.5 (118000)	34.5 (118000)	1.00	0.97 (15.3)	49.3 (16.5)
	10.0°C (18°F)	33.3 (114000)	33.3 (114000)	1.00	0.83 (13.1)	37.8 (12.7)
	11.1°C (20°F)	32.2 (110000)	32.2 (110000)	1.00	0.72 (11.5)	29.7 (10.0)

Note: Any CW flow rate of 3.0 GPM–5.0 GPM may have increased error in Flow Rate and Power Calculation. A Fluid Flow Fault may result. Any flow rate under 3.0 GPM may also display as 0 in Flow Rate and Power Calculation.

Performance specifications 15°C (59°F) EWT (ACRC301S)

Temperature DB, WB – °C (°F)	CW Delta T – °C (°F)	Total Net Capacity – kW (BTU/hr)	Sensible Net Capacity – kW (BTU/hr)	Sensible Heat Ratio – SHR	CW Flow Rate – l/s (GPM)	Total CW Pressure Drop – kPa (ft H_2O)
26.7°C DB, 17.1°C WB (80°F DB, 63°F WB)						
	5.5°C (10°F)	7.9 (27000)	7.9 (27000)	1.00	0.38 (6.0)	8.5 (2.9)
	6.6°C (12°F)	7.0 (24000)	7.0 (24000)	1.00	0.28 (4.4)	5.3 (1.8)
29.4°C DB, 18.1°C WB (85°F DB, 65°F WB)						
	5.5°C (10°F)	11.3 (39000)	11.3 (39000)	1.00	0.53 (8.4)	16.8 (5.6)
	6.6°C (12°F)	10.4 (36000)	10.4 (36000)	1.00	0.41 (6.4)	10.2 (3.4)
	7.7°C (14°F)	9.0 (31000)	9.0 (31000)	1.00	0.31 (4.8)	5.1 (1.7)
	8.8°C (16°F)	7.8 (27000)	7.8 (27000)	1.00	0.24 (3.7)	2.1 (0.7)
32.22°C DB, 18.9°C WB (90°F DB, 66°F WB)						
	5.5°C (10°F)	14.7 (50000)	14.7 (50000)	1.00	0.68 (10.8)	26.5 (8.9)
	6.6°C (12°F)	13.6 (46000)	13.6 (46000)	1.00	0.53 (8.4)	17.0 (5.7)
	7.7°C (14°F)	12.5 (42000)	12.5 (42000)	1.00	0.42 (6.6)	10.5 (3.5)
	8.8°C (16°F)	11.3 (38000)	11.3 (38000)	1.00	0.33 (5.3)	6.3 (2.1)
	10°C (18°F)	10.1 (34000)	10.1 (34000)	1.00	0.27 (4.2)	3.4 (1.1)
35°C DB, 19.8°C WB (95°F DB, 68°F WB)						
	5.5°C (10°F)	18.1 (62000)	18.1 (62000)	1.00	0.83 (13.2)	38.2 (12.8)
	6.6°C (12°F)	17.3 (59000)	17.3 (59000)	1.00	0.66 (10.5)	24.4 (8.2)
	7.7°C (14°F)	15.9 (54000)	15.9 (54000)	1.00	0.52 (8.3)	16.5 (5.5)
	8.8°C (16°F)	14.7 (50000)	14.7 (50000)	1.00	0.43 (6.7)	11.0 (3.7)
	10.0°C (18°F)	13.5 (46000)	13.5 (46000)	1.00	0.35 (5.5)	7.1 (2.4)
	11.1°C (20°F)	12.4 (42000)	12.4 (42000)	1.00	0.29 (4.6)	4.4 (1.5)
37.78°C DB, 20.7°C WB (100°F DB, 69°F WB)						
	5.5°C (10°F)	21.5 (73000)	21.5 (73000)	1.00	0.98 (15.5)	50.5 (16.9)
	6.6°C (12°F)	20.7 (71000)	20.7 (71000)	1.00	0.78 (12.4)	34.1 (11.4)
	7.7°C (14°F)	19.2 (66000)	19.2 (66000)	1.00	0.63 (10.0)	23.1 (7.7)
	8.8°C (16°F)	18.1 (62000)	18.1 (62000)	1.00	0.52 (8.2)	16.2 (5.4)
	10.0°C (18°F)	16.9 (58000)	16.9 (58000)	1.00	0.43 (6.9)	11.4 (3.8)
	11.1°C (20°F)	15.8 (54000)	15.8 (54000)	1.00	0.36 (5.8)	7.8 (2.6)
40.50°C DB, 21.59°C WB (105°F DB, 71°F WB)						
	5.5°C (10°F)	24.8 (85000)	24.8 (85000)	1.00	1.12 (17.7)	63.8 (21.4)
	6.6°C (12°F)	23.7 (81000)	23.7 (81000)	1.00	0.91 (14.4)	42.7 (14.3)
	7.7°C (14°F)	22.6 (77000)	22.6 (77000)	1.00	0.74 (11.7)	30.6 (10.2)
	8.8°C (16°F)	21.4 (73000)	21.4 (73000)	1.00	0.61 (9.7)	21.9 (7.3)
	10.0°C (18°F)	20.4 (69000)	20.4 (69000)	1.00	052 (8.2)	16.1 (5.4)
	11.1°C (20°F)	19.2 (66000)	19.2 (66000)	1.00	0.44 (7.0)	11.7 (3.9)
43.33°C DB, 22.4°C WB (110°F DB, 72°F WB)						
	5.5°C (10°F)	28.3 (97000)	28.3 (97000)	1.00	1.28 (20.3)	80.5 (27.0)
	6.6°C (12°F)	27.3 (93000)	27.3 (93000)	1.00	01.03 (16.4)	55.4 (18.6)
	7.7°C (14°F)	26.0 (89000)	26.0 (89000)	1.00	0.84 (13.3)	38.6 (13.0)
	8.8°C (16°F)	24.9 (85000)	24.9 (85000)	1.00	0.70 (11.2)	28.3 (9.5)
	10.0°C (18°F)	23.8 (81000)	23.8 (81000)	1.00	0.60 (9.5)	21.1 (7.1)
	11.1°C (20°F)	22.6 (77000)	22.6 (77000)	1.00	0.51 (8.1)	15.8 (5.3)

Temperature DB, WB – °C (°F)	CW Delta T – °C (°F)	Total Net Capacity – kW (BTU/hr)	Sensible Net Capacity – kW (BTU/hr)	Sensible Heat Ratio – SHR	CW Flow Rate – l/s (GPM)	Total CW Pressure Drop – kPa (ft H_2O)
46.11°C DB, 23.3°C WB (115°F DB, 74°F WB)						
	6.6°C (12°F)	30.7 (108000)	30.7 (108000)	1.00	1.16 (18.4)	67.7 (22.7)
	7.7°C (14°F)	29.4 (100000)	29.4 (100000)	1.00	0.95 (15.0)	47.6 (16.0)
	8.8°C (16°F)	28.3 (96000)	28.3 (96000)	1.00	0.80 (12.6)	35.3 (11.8)
	10.0°C (18°F)	27.2 (93000)	27.2 (93000)	1.00	0.68 (10.8)	26.7 (9.0)
	11.1°C (20°F)	26.0 (89000)	26.0 (89000)	1.00	0.59 (9.3)	20.4 (6.8)
48.89°C DB, 23.9°C WB (120°F DB, 75°F WB)						
	6.6°C (12°F)	34.0 (116000	34.0 (116000	1.00	1.28 (20.3)	79.4 (26.6)
	7.7°C (14°F)	32.8 (112000)	32.8 (112000)	1.00	1.05 (16.6)	57.0 (19.1)
	8.8°C (16°F)	31.7 (108000)	31.7 (108000)	1.00	0.89 (14.1)	42.7 (14.3)
	10.0°C (18°F)	30.5 (104000)	30.5 (104000)	1.00	0.76 (12.1)	32.6 (10.9)
	11.1°C (20°F)	29.4 (104000)	29.4 (104000)	1.00	0.66 (10.5)	25.4 (8.5)

Note: Any CW flow rate of 3.0 GPM–5.0 GPM may have increased error in Flow Rate and Power Calculation. A Fluid Flow Fault may result. Any flow rate under 3.0 GPM may also display as 0 in Flow Rate and Power Calculation.

ACRC301H

Performance specifications 10°C (50°F) EWT

Temperature DB, WB – °C (°F)	CW Delta T – °C (°F)	Total Net Capacity – kW (BTU/hr)	Sensible Net Capacity – kW (BTU/hr)	Sensible Heat Ratio – SHR	CW Flow Rate – l/s (GPM)	Total CW Pressure Drop – kPa (ft H_2O)
26.7°C DB, 16.2°C WB (80°F DB,61°F WB)						
	5.5°C (10°F)	23.0 (79000)	23.0 (79000)	1.00	1.12 (17.8)	31.3 (10.5)
	6.6°C (12°F)	21.5 (73000)	21.5 (73000)	1.00	0.88 (14.0)	20.0 (6.7)
	7.7°C (14°F)	19.8 (68000)	19.8 (68000)	1.00	0.70 (11.1)	13.0 (4.4)
	8.8°C (16°F)	18.1 (62000)	18.1 (62000)	1.00	0.56 (8.9)	8.8 (2.9)
	10.0°C (18°F)	16.3 (56000)	16.3 (56000)	1.00	0.45 (7.2)	6.0 (2.0)
	11.1°C (20°F)	14.6 (50000)	14.6 (50000)	1.00	0.37 (5.9)	4.2 (1.4)
29.4°C DB, 17.1°C WB (85°F DB, 63°F WB)						
	5.5°C (10°F)	27.3 (93000)	27.3 (93000)	1.00	1.32 (20.9)	42.3 (14.2)
	6.6°C (12°F)	26.1 (89000)	26.1 (89000)	1.00	1.09 (17.3)	30.8 (10.3)
	7.7°C (14°F)	24.4 (83000)	24.4 (83000)	1.00	0.84 (13.3)	18.3 (6.1)
	8.8°C (16°F)	22.6 (77000)	22.6 (77000)	1.00	0.69 (10.9)	12.8 (4.3)
	10.0°C (18°F)	20.8 (71000)	20.8 (71000)	1.00	0.57 (9.0)	9.0 (3.0)
	11.1°C (20°F)	19.1 (65000)	19.1 (65000)	1.00	0.47 (7.5)	6.4 (2.2)
32.2°C DB, 18.9°C WB (90°F DB, 66°F WB)						
	5.5°C (10°F)	33.5 (114000)	33.5 (114000)	1.00	1.60 (25.3)	60.7 (20.4)
	6.6°C (12°F)	32.1 (110000)	32.1 (110000)	1.00	1.30 (20.6)	41.3 (13.8)
	7.7°C (14°F)	30.5 (104000)	30.5 (104000)	1.00	1.05 (16.6)	27.4 (9.2)
	8.8°C (16°F)	28.9 (99000)	28.9 (99000)	1.00	0.87 (13.8)	19.6 (6.6)
	10.0°C (18°F)	27.2 (93000)	27.2 (93000)	1.00	0.73 (11.6)	14.2 (4.8)
	11.1°C (20°F)	25.6 (87000)	25.6 (87000)	1.00	0.62 (9.8)	10.5 (3.5)
35°C DB, 19°C WB (95°F DB, 66°F WB)						
	5.5°C (10°F)	39.4 (134000)	39.4 (134000)	1.00	1.88 (29.8)	82.6 (27.7)
	6.6°C (12°F)	38.0 (130000)	38.0 (130000)	1.00	1.52 (24.0)	55.4 (18.6)
	7.7°C (14°F)	36.6 (125000)	36.6 (125000)	1.00	1.25 (19.8)	38.3 (12.8)
	8.8°C (16°F)	35.2 (120000)	35.2 (120000)	1.00	1.05 (16.6)	27.6 (9.3)
	10.0°C (18°F)	33.6 (115000)	33.6 (115000)	1.00	0.89 (14.1)	20.3 (6.8)
	11.1°C (20°F)	32.2 (110000)	32.2 (110000)	1.00	0.77 (12.2)	15.6 (5.2)
37.78°C DB, 20.7°C WB (100°F DB, 69°F WB)						
	6.6°C (12°F)	43.1 (147000)	43.1 (147000)	1.00	1.72 (27.3)	70.2 (23.5)
	7.7°C (14°F)	41.5 (141000)	41.5 (141000)	1.00	1.40 (22.2)	47.5 (15.9)
	8.8°C (16°F)	40.0 (136000)	40.0 (136000)	1.00	1.19 (18.8)	34.7 (11.6)
	10.0°C (18°F)	38.4 (131000)	38.4 (131000)	1.00	1.01 (16.1)	25.9 (8.7)
	11.1°C (20°F)	36.9 (126000)	36.9 (126000)	1.00	0.88 (13.9)	19.8 (6.6)
40.50°C DB, 20.8°C WB (105°F DB, 69°F WB)						
	6.6°C (12°F)	48.2 (164000)	48.2 (164000)	1.00	1.92 (30.4)	88.3 (29.6)
	7.7°C (14°F)	46.7 (159000)	46.7 (159000)	1.00	1.57 (24.9)	58.7 (19.7)
	8.8°C (16°F)	45.3 (155000)	45.3 (155000)	1.00	1.33 (21.1)	43.1 (14.5)
	10.0°C (18°F)	43.8 (149000)	43.8 (149000)	1.00	1.14 (18.1)	32.4 (10.9)
	11.1°C (20°F)	42.3 (144000)	42.3 (144000)	1.00	1.00 (15.8)	25.2 (8.4)

Temperature DB, WB – °C (°F)	CW Delta T – °C (°F)	Total Net Capacity – kW (BTU/hr)	Sensible Net Capacity – kW (BTU/hr)	Sensible Heat Ratio – SHR	CW Flow Rate – l/s (GPM)	Total CW Pressure Drop – kPa (ft H_2O)
43.33°C DB, 22.4°C WB (110°F DB, 72°F WB)						
	7.7°C (14°F)	52.4 (179000)	52.4 (179000)	1.00	1.76 (27.9)	73.0 (24.5)
	8.8°C (16°F)	51.1 (174000)	51.1 (174000)	1.00	1.50 (23.8)	54.0 (18.1)
	10.0°C (18°F)	49.6 (169000)	49.6 (169000)	1.00	1.29 (20.5)	40.9 (13.7)
	11.1°C (20°F)	48.2 (164000)	48.2 (164000)	1.00	1.13 (17.9)	31.7 (10.6)
46.11°C DB, 23.3°C WB (115°F DB, 74°F WB)						
	7.7°C (14°F)	57.9 (198000)	57.9 (198000)	1.00	1.94 (30.7)	87.7 (29.4)
	8.8°C (16°F)	56.6 (193000)	56.6 (193000)	1.00	1.66 (26.3)	65.3 (21.9)
	10.0°C (18°F)	55.2 (189000)	55.2 (189000)	1.00	1.44 (22.8)	49.7 (16.7)
	11.1°C (20°F)	53.9 (184000)	53.9 (184000)	1.00	1.26 (19.9)	38.7 (13.0)
48.89°C DB, 23.3°C WB (120°F DB, 74°F WB)						
	8.8°C (16°F)	62.0 (212000)	62.0 (212000)	1.00	1.81 (28.7)	77.3 (25.9)
	10.0°C (18°F)	60.7 (207000)	60.7 (207000)	1.00	1.57 (24.9)	59.0 (19.8)
	11.1°C (20°F)	59.3 (202000)	59.3 (202000)	1.00	1.38 (21.9)	46.3 (15.5)

Note: Any CW flow rate of 3.0 GPM–5.0 GPM may have increased error in Flow Rate and Power Calculation. A Fluid Flow Fault may result. Any flow rate under 3.0 GPM may also display as 0 in Flow Rate and Power Calculation.
Note: Overall cooling capacity will be reduced if the optional dew point control pump (DPCP) is operating. The DPCP should only be operating if the dedicated IT room humidity control system or humidity barrier fails. The DPCP can be disabled via the display interface.

Performance specifications 12.7°C (55°F) EWT (ACRC301H)

Temperature DB, WB – °C (°F)	CW Delta T – °C (°F)	Total Net Capacity – kW (BTU/hr)	Sensible Net Capacity – kW (BTU/hr)	Sensible Heat Ratio – SHR	CW Flow Rate – l/s (GPM)	Total CW Pressure Drop – kPa (ft H_2O)
26.7°C DB, 17.1°C WB (80°F DB, 63°F WB)						
	5.5°C (10°F)	17.9 (61000)	17.9 (61000)	1.00	0.89 (14.1)	20.3 (6.8)
	6.6°C (12°F)	16.2 (55000)	16.2 (55000)	1.00	0.68 (10.8)	12.4 (4.2)
	7.7°C (14°F)	14.5 (49000)	14.5 (49000)	1.00	0.53 (8.3)	7.8 (2.6)
	8.8°C (16°F)	12.7 (43000)	12.7 (43000)	1.00	0.41 (6.5)	5.0 (1.7)
29.4°C DB, 18.1°C WB (85°F DB, 65°F WB)						
	5.5°C (10°F)	22.3 (76000)	22.3 (76000)	1.00	1.09 (17.2)	29.6 (9.9)
	6.6°C (12°F)	20.8 (71000)	20.8 (71000)	1.00	0.85 (13.5)	18.8 (6.3)
	7.7°C (14°F)	19.1 (65000)	19.1 (65000)	1.00	0.68 (10.7)	12.3 (4.1)
	8.8°C (16°F)	17.4 (59000)	17.4 (59000)	1.00	0.54 (8.6)	8.3 (2.8)
	10.0°C (18°F)	15.4 (52000)	15.4 (52000)	1.00	0.44 (6.9)	5.6 (1.9)
	11.1°C (20°F)	13.8 (47000)	13.8 (47000)	1.00	0.35 (5.6)	3.8 (1.3)
32.2°C DB, 18.9°C WB (90°F DB, 66°F WB)						
	5.5°C (10°F)	28.4 (97000)	28.4 (97000)	1.00	1.36 (21.6)	45.1 (15.1)
	6.6°C (12°F)	27.1 (92000)	27.1 (92000)	1.00	1.08 (17.2)	29.4 (9.8)
	7.7°C (14°F)	25.3 (86000)	25.3 (86000)	1.00	0.88 (13.9)	19.8 (6.6)
	8.8°C (16°F)	23.6 (81000)	23.6 (81000)	1.00	0.72 (11.4)	13.8 (3.4)
	10.0°C (18°F)	21.7 (75000)	21.7 (75000)	1.00	0.60 (9.6)	10.0 (3.4)
	11.1°C (20°F)	20.2 (69000)	20.2 (69000)	1.00	0.51 (8.0)	7.3 (2.4)
35°C DB, 19.8°C WB (95°F DB, 68°F WB)						
	5.5°C (10°F)	34.2 (117000)	34.2 (117000)	1.00	1.64 (26.0)	64.0 (21.5)
	6.6°C (12°F)	33.0 (117000)	33.0 (117000)	1.00	1.29 (20.5)	40.9 (13.7)
	7.7°C (14°F)	31.4 (107000)	31.4 (107000)	1.00	1.08 (17.1)	29.1 (9.8)
	8.8°C (16°F)	29.9 (102000)	29.9 (102000)	1.00	0.90 (14.2)	20.7 (7.0)
	10.0°C (18°F)	28.2 (96000)	28.2 (96000)	1.00	0.75 (11.9)	15.0 (5.0)
	11.1°C (20°F)	26.7 (91000)	26.7 (91000)	1.00	0.64 (10.2)	11.3 (3.8)
37.78°C DB, 20.7°C WB (100°F DB, 69°F WB)						
	5.5°C (10°F)	39.2 (134000)	39.2 (134000)	1.00	1.84 (29.2)	79.8 (26.8)
	6.6°C (12°F)	37.9 (129000)	37.9 (129000)	1.00	1.51 (23.9)	54.2 (18.2)
	7.7°C (14°F)	36.4 (124000)	36.4 (124000)	1.00	1.22 (19.3)	36.3 (12.2)
	8.8°C (16°F)	34.8 (119000)	34.8 (119000)	1.00	1.04 (16.4)	27.0 (9.1)
	10.0°C (18°F)	33.1 (113000)	33.1 (113000)	1.00	0.89 (14.1)	20.5 (6.9)
	11.1°C (20°F)	31.7 (108000)	31.7 (108000)	1.00	0.77 (12.2)	15.6 (5.2)
40.50°C DB, 21.5°C WB (105°F DB, 71°F WB)						
	6.6°C (12°F)	43.1 (147000)	43.1 (147000)	1.00	1.71 (27.1)	69.3 (23.2)
	7.7°C (14°F)	41.8 (143000)	41.8 (143000)	1.00	1.42 (22.5)	48.8 (16.3)
	8.8°C (16°F)	40.2 (137000)	40.2 (137000)	1.00	1.19 (18.8)	34.8 (11.7)
	10.0°C (18°F)	38.8 (132000)	38.8 (132000)	1.00	1.06 (16.9)	28.4 (9.5)
	11.1°C (20°F)	37.3 (127000)	37.3 (127000)	1.00	0.93 (14.8)	22.1 (7.4)

Temperature DB, WB – °C (°F)	CW Delta T – °C (°F)	Total Net Capacity – kW (BTU/hr)	Sensible Net Capacity – kW (BTU/hr)	Sensible Heat Ratio – SHR	CW Flow Rate – l/s (GPM)	Total CW Pressure Drop – kPa (ft H_2O)
43.33°C DB, 22.4°C WB (110°F DB, 72°F WB)						
	6.6°C (12°F)	48.9 (167000)	48.9 (167000)	1.00	1.93 (30.5)	86.7 (29.1)
	7.7°C (14°F)	47.4 (162000)	47.4 (162000)	1.00	1.55 (24.6)	57.6 (19.3)
	8.8°C (16°F)	46.0 (157000)	46.0 (157000)	1.00	1.35 (21.5)	44.5 (14.9)
	10.0°C (18°F)	44.5 (152000)	44.5 (152000)	1.00	1.18 (18.7)	34.4 (11.5)
	11.1°C (20°F)	43.2 (147000)	43.2 (147000)	1.00	1.03 (16.4)	26.9 (9.0)
46.11°C DB, 23.3°C WB (115°F DB, 74°F WB)						
	7.7°C (14°F)	52.9 (181000)	52.9 (181000)	1.00	1.72 (27.3)	70.1 (23.5)
	8.8°C (16°F)	51.5 (176000)	51.5 (176000)	1.00	1.51 (24.0)	54.8 (18.4)
	10.0°C (18°F)	50.2 (171000)	50.2 (171000)	1.00	1.32 (21.0)	42.7 (14.3)
	11.1°C (20°F)	48.9 (167000)	48.9 (167000)	1.00	1.17 (18.5)	33.6 (11.3)
48.89°C DB, 23.9°C WB (120°F DB, 75°F WB)						
	7.7°C (14°F)	58.3 (199000)	58.3 (199000)	1.00	1.85 (29.4)	80.6 (27.0)
	8.8°C (16°F)	57.0 (194000)	57.0 (194000)	1.00	1.67 (26.5)	66.2 (22.2)
	10.0°C (18°F)	55.7 (190000)	55.7 (190000)	1.00	1.45 (22.9)	50.4 (16.9)
	11.1°C (20°F)	54.3 (185000)	54.3 (185000)	1.00	1.28 (20.2)	39.8 (13.3)

Note: Any CW flow rate of 3.0 GPM–5.0 GPM may have increased error in Flow Rate and Power Calculation. A Fluid Flow Fault may result. Any flow rate under 3.0 GPM may also display as 0 in Flow Rate and Power Calculation.
Note: Overall cooling capacity will be reduced if the optional dew point control pump (DPCP) is operating. The DPCP should only be operating if the dedicated IT room humidity control system or humidity barrier fails. The DPCP can be disabled via the display interface.

Performance specifications 15°C (59°F) EWT (ACRC301H)

Temperature DB, WB – °C (°F)	CW Delta T – °C (°F)	Total Net Capacity – kW (BTU/hr)	Sensible Net Capacity – kW (BTU/hr)	Sensible Heat Ratio – SHR	CW Flow Rate – l/s (GPM)	Total CW Pressure Drop – kPa (ft H_2O)
26.7°C DB, 17.1°C WB (80°F DB,63°F WB)						
	5.5°C (10°F)	13.4 (46000)	13.4 (46000)	1.00	0.69 (10.9)	12.6 (4.2)
	6.6°C (12°F)	11.4 (39000)	11.4 (39000)	1.00	0.49 (7.7)	6.6 (2.2)
	7.7°C (14°F)	9.7 (33000)	9.7 (33000)	1.00	0.37 (5.9)	4.2 (1.4)
29.4°C DB, 18.1°C WB (85°F DB, 65°F WB)						
	5.5°C (10°F)	18.0 (61000)	18.0 (61000)	1.00	0.90 (14.2)	20.6 (6.9)
	6.6°C (12°F)	16.7 (57000)	16.7 (57000)	1.00	0.73 (11.5)	13.9 (4.7)
	7.7°C (14°F)	14.7 (50000)	14.7 (50000)	1.00	0.53 (8.4)	8.0 (2.7)
	8.8°C (16°F)	12.9 (44000)	12.9 (44000)	1.00	0.42 (6.6)	5.1 (1.7)
	10.0°C (18°F)	11.1 (38000)	11.1 (38000)	1.00	0.32 (5.1)	3.2 (1.1)
32.22°C DB, 18.9°C WB (90°F DB, 66°F WB)						
	5.5°C (10°F)	24.0 (82000)	24.0 (82000)	1.00	1.17 (18.5)	33.8 (11.3)
	6.6°C (12°F)	22.8 (78000)	22.8 (78000)	1.00	0.94 (14.9)	22.5 (7.6)
	7.7°C (14°F)	21.1 (72000)	21.1 (72000)	1.00	0.74 (11.8)	14.6 (4.9)
	8.8°C (16°F)	19.1 (65000)	19.1 (65000)	1.00	0.59 (9.4)	9.7 (3.2)
	10.0°C (18°F)	17.3 (59000)	17.3 (59000)	1.00	0.48 (7.6)	6.6 (2.2)
	11.1°C (20°F)	16.2 (55000)	16.2 (55000)	1.00	0.41 (6.4)	4.9 (1.6)
35°C DB, 19.8°C WB (95°F DB, 68°F WB)						
	5.5°C (10°F)	29.9 (102000)	29.9 (102000)	1.00	1.44 (22.8)	50.0 (16.8)
	6.6°C (12°F)	28.7 (98000)	28.7 (98000)	1.00	1.18 (18.7)	33.5 (11.2)
	7.7°C (14°F)	26.9 (92000)	26.9 (92000)	1.00	0.93 (14.8)	22.2 (7.5)
	8.8°C (16°F)	25.4 (87000)	25.4 (87000)	1.00	0.77 (12.2)	15.6 (5.2)
	10.0°C (18°F)	23.6 (80000)	23.6 (80000)	1.00	0.64 (10.1)	11.0 (3.7)
	11.1°C (20°F)	22.1 (75000)	22.1 (75000)	1.00	0.54 (8.6)	8.2 (2.7)
37.78°C DB, 20.7°C WB (100°F DB, 69°F WB)						
	5.5°C (10°F)	34.9 (119000)	34.9 (119000)	1.00	1.65 (26.2)	64.9 (21.8)
	6.6°C (12°F)	33.8 (115000)	33.8 (115000)	1.00	1.37 (21.8)	45.7 (15.3)
	7.7°C (14°F)	32.7 (111000)	32.7 (111000)	1.00	1.13 (17.8)	31.5 (10.6)
	8.8°C (16°F)	30.9 (105000)	30.9 (105000)	1.00	0.91 (14.5)	21.4 (7.2)
	10.0°C (18°F)	29.3 (100000)	29.3 (100000)	1.00	0.77 (12.2)	15.5 (5.2)
	11.1°C (20°F)	27.6 (94000)	27.6 (94000)	1.00	0.66 (10.5)	11.9 (4.0)
40.50°C DB, 21.5°C WB (105°F DB, 71°F WB)						
	5.5°C (10°F)	40.3 (137000)	40.3 (137000)	1.00	1.92 (30.4)	86.0 (28.8)
	6.6°C (12°F)	39.0 (133000)	39.0 (133000)	1.00	1.59 (25.3)	59.1 (19.8)
	7.7°C (14°F)	37.6 (128000)	37.6 (128000)	1.00	1.32 (20.9)	41.1 (13.8)
	8.8°C (16°F)	35.9 (122000)	35.9 (122000)	1.00	1.06 (16.9)	28.4 (9.5)
	10.0°C (18°F)	34.2 (117000)	34.2 (117000)	1.00	0.88 (14.0)	20.1 (6.7)
	11.1°C (20°F)	33.1 (113000)	33.1 (113000)	1.00	0.79 (12.6)	16.5 (5.5)

Temperature DB, WB – °C (°F)	CW Delta T – °C (°F)	Total Net Capacity – kW (BTU/hr)	Sensible Net Capacity – kW (BTU/hr)	Sensible Heat Ratio – SHR	CW Flow Rate – l/s (GPM)	Total CW Pressure Drop – kPa (ft H_2O)
43.33°C DB, 22.4°C WB (110°F DB, 72°F WB)						
	6.6°C (12°F)	44.6 (152000)	44.6 (152000)	1.00	1.81 (28.6)	76.6 (25.7)
	7.7°C (14°F)	43.2 (147000)	43.2 (147000)	1.00	1.51 (23.9)	54.5 (18.3)
	8.8°C (16°F)	41.6 (142000)	41.6 (142000)	1.00	1.23 (19.6)	37.4 (12.5)
	10.0°C (18°F)	40.1 (137000)	40.1 (137000)	1.00	1.05 (16.7)	27.8 (9.3)
	11.1°C (20°F)	38.8 (132000)	38.8 (132000)	1.00	0.92 (14.6)	21.6 (7.3)
46.11°C DB, 23.3°C WB (115°F DB, 74°F WB)						
	7.7°C (14°F)	48.8 (167000)	48.8 (167000)	1.00	1.70 (26.9)	68.3 (22.9)
	8.8°C (16°F)	47.3 (161000)	47.3 (161000)	1.00	1.40 (22.1)	47.0 (15.8)
	10.0°C (18°F)	45.8 (156000)	45.8 (156000)	1.00	1.20 (19.0)	35.3 (11.8)
	11.1°C (20°F)	44.4 (152000)	44.4 (152000)	1.00	1.05 (16.6)	27.5 (9.2)
48.89°C DB, 23.9°C WB (120°F DB, 75°F WB)						
	7.7°C (14°F)	55.0 (188000)	55.0 (188000)	1.00	1.89 (29.9)	82.1 (27.5)
	8.8°C (16°F)	52.7 (180000)	52.7 (180000)	1.00	1.55 (24.6)	57.4 (19.3)
	10.0°C (18°F)	51.7 (175000)	51.7 (175000)	1.00	1.34 (21.2)	43.5 (14.6)
	11.1°C (20°F)	50.0 (171000)	50.0 (171000)	1.00	1.17 (18.6)	34.0 (11.4)

Note: Any CW flow rate of 3.0 GPM–5.0 GPM may have increased error in Flow Rate and Power Calculation. A Fluid Flow Fault may result. Any flow rate under 3.0 GPM may also display as 0 in Flow Rate and Power Calculation.
Note: Overall cooling capacity will be reduced if the optional dew point control pump (DPCP) is operating. The DPCP should only be operating if the dedicated IT room humidity control system or humidity barrier fails. The DPCP can be disabled via the display interface.

Performance specifications 17.5°C (63.5°F) EWT (ACRC301H)

Temperature DB, WB – °C (°F)	CW Delta T – °C (°F)	Total Net Capacity – kW (BTU/hr)	Sensible Net Capacity – kW (BTU/hr)	Sensible Heat Ratio – SHR	CW Flow Rate – l/s (GPM)	Total CW Pressure Drop – kPa (ft H_2O)
26.7°C DB, 17.1°C WB (80°F DB,63°F WB)						
	5.5°C (10°F)	8.3 (28000)	8.3 (28000)	1.00	0.46 (7.3)	6.1 (2.0)
	6.6°C (12°F)	6.3 (22000)	6.3 (22000)	1.00	0.30 (4.8)	2.9 (1.0)
29.4°C DB, 18.1°C WB (85°F DB, 65°F WB)						
	5.5°C (10°F)	13.3 (45000)	13.3 (45000)	1.00	0.68 (10.8)	12.5 (4.2)
	6.6°C (12°F)	11.6 (40000)	11.6 (40000)	1.00	0.51 (8.0)	7.3 (2.4)
	7.7°C (14°F)	9.8 (33000)	9.8 (33000)	1.00	0.37 (5.9)	4.2 (1.4)
32.22°C DB, 18.9°C WB (90°F DB, 66°F WB)						
	5.5°C (10°F)	19.2 (66000)	19.2 (66000)	1.00	0.95 (15.1)	23.1 (7.7)
	6.6°C (12°F)	17.5 (60000)	17.5 (60000)	1.00	0.72 (11.5)	14.0 (4.7)
	7.7°C (14°F)	15.9 (54000)	15.9 (54000)	1.00	0.57 (9.1)	9.1 (3.1
	8.8°C (16°F)	14.7 (50000)	14.7 (50000)	1.00	0.57 (9.0)	9.0 (3.0)
	10.0°C (18°F)	12.8 (44000)	12.8 (44000)	1.00	0.37 (5.8)	4.1 (1.4)
35°C DB, 19.8°C WB (95°F DB, 68°F WB)						
	5.5°C (10°F)	25.1 (86000)	25.1 (86000)	1.00	1.22 (19.4)	36.8 (12.3)
	6.6°C (12°F)	23.5 (80000)	23.5 (80000)	1.00	0.95 (15.0)	22.8 (7.7)
	7.7°C (14°F)	22.1 (75000)	22.1 (75000)	1.00	0.77 (12.3)	15.8 (5.3)
	8.8°C (16°F)	20.4 (70000)	20.4 (70000)	1.00	0.63 (10.0)	10.9 (3.6)
	10.0°C (18°F)	18.6 (63000)	18.6 (63000)	1.00	0.51 (8.1)	7.4 (2.5)
	11.1°C (20°F)	17.0 (58000)	17.0 (58000)	1.00	0.43 (6.7)	5.3 (1.8)
37.78°C DB, 20.7°C WB (100°F DB, 69°F WB)						
	5.5°C (10°F)	30.1 (103000)	30.1 (103000)	1.00	1.44 (22.9)	50.1 (16.8)
	6.6°C (12°F)	28.7 (98000)	28.7 (98000)	1.00	1.14 (18.1)	32.4 (10.9)
	7.7°C (14°F)	27.1 (93000)	27.1 (93000)	1.00	0.94 (14.9)	22.4 (7.5)
	8.8°C (16°F)	25.9 (88000)	25.9 (88000)	1.00	0.82 (12.9)	17.4 (5.8)
	10.0°C (18°F)	24.2 (82000)	24.2 (82000)	1.00	0.65 (10.3)	11.5 (3.9)
	11.1°C (20°F)	22.7 (77000)	22.7 (77000)	1.00	0.65 (10.3)	11.5 (3.9)
40.50°C DB, 21.5°C WB (105°F DB, 71°F WB)						
	5.5°C (10°F)	35.6 (122000)	35.6 (122000)	1.00	1.71 (27.2)	69.4 (23.3)
	6.6°C (12°F)	34.2 (117000)	34.2 (117000)	1.00	1.35 (21.4)	44.4 (14.9)
	7.7°C (14°F)	32.8 (112000)	32.8 (112000)	1.00	1.12 (17.8)	31.3 (10.5)
	8.8°C (16°F)	31.1 (106000)	31.1 (106000)	1.00	0.93 (14.8)	22.1 (7.4)
	10.0°C (18°F)	29.7 (101000)	29.7 (101000)	1.00	0.79 (12.5)	16.4 (5.5)
	11.1°C (20°F)	28.2 (96000)	28.2 (96000)	1.00	0.68 (10.8)	12.5 (4.2)
43.33°C DB, 22.4°C WB (110°F DB, 72°F WB)						
	5.5°C (10°F)	41.1 (140000)	41.1 (140000)	1.00	1.93 (30.6)	87.2 (29.2)
	6.6°C (12°F)	39.9 (136000)	39.9 (136000)	1.00	1.56 (24.7)	58.1 (19.5)
	7.7°C (14°F)	38.4 (131000)	38.4 (131000)	1.00	1.30 (20.6)	41.3 (13.8)
	8.8°C (16°F)	36.9 (126000)	36.9 (126000)	1.00	1.11 (17.6)	30.6 (10.3)
	10.0°C (18°F)	35.4 (121000)	35.4 (121000)	1.00	0.94 (14.8)	22.3 (7.5)
	11.1°C (20°F)	34.0 (116000)	34.0 (116000)	1.00	0.91 (14.4)	21.2 (7.1)

Temperature DB, WB – °C (°F)	CW Delta T – °C (°F)	Total Net Capacity – kW (BTU/hr)	Sensible Net Capacity – kW (BTU/hr)	Sensible Heat Ratio – SHR	CW Flow Rate – l/s (GPM)	Total CW Pressure Drop – kPa (ft H_2O)
46.11°C DB, 23.3°C WB (115°F DB, 74°F WB)						
	6.6°C (12°F)	45.3 (154000)	45.3 (154000)	1.00	1.77 (28.1)	73.8 (24.7)
	7.7°C (14°F)	44.0 (150000)	44.0 (150000)	1.00	1.48 (23.5)	52.8 (17.7)
	8.8°C (16°F)	42.5 (145000)	42.5 (145000)	1.00	1.25 (19.9)	38.6 (12.9)
	10.0°C (18°F)	41.1 (140000)	41.1 (140000)	1.00	1.08 (17.1)	29.0 (9.7)
	11.1°C (20°F)	39.7 (135000)	39.7 (135000)	1.00	1.04 (16.4)	27.0 (9.1)
48.89°C DB, 23.9°C WB (120°F DB, 75°F WB)						
	7.7°C (14°F)	49.3 (168000)	49.3 (168000)	1.00	1.53 (24.2)	55.7 (18.7)
	8.8°C (16°F)	48.1 (164000)	48.1 (164000)	1.00	1.42 (22.5)	48.6 (16.3)
	10.0°C (18°F)	46.7 (159000)	46.7 (159000)	1.00	1.22 (19.4)	36.7 (12.3)
	11.1°C (20°F)	45.4 (155000)	45.4 (155000)	1.00	1.07 (16.9)	28.6 (9.6)

Note: Any CW flow rate of 3.0 GPM–5.0 GPM may have increased error in Flow Rate and Power Calculation. A Fluid Flow Fault may result. Any flow rate under 3.0 GPM may also display as 0 in Flow Rate and Power Calculation.
Note: Overall cooling capacity will be reduced if the optional dew point control pump (DPCP) is operating. The DPCP should only be operating if the dedicated IT room humidity control system or humidity barrier fails. The DPCP can be disabled via the display interface.

Performance specifications 20°C (68°F) EWT (ACRC301H)

Temperature DB, WB – °C (°F)	CW Delta T – °C (°F)	Total Net Capacity – kW (BTU/hr)	Sensible Net Capacity – kW (BTU/hr)	Sensible Heat Ratio – SHR	CW Flow Rate – l/s (GPM)	Total CW Pressure Drop – kPa (ft H_2O)
29.4°C DB, 18.1°C WB (85°F DB, 65°F WB)						
	5.5°C (10°F)	8.4 (29000)	8.4 (29000)	1.00	0.46 (7.3)	6.2 (2.1)
	6.6°C (12°F)	6.5 (22000)	6.5 (22000)	1.00	0.31 (4.9)	3.0 (1.0)
32.22°C DB, 18.9°C WB (90°F DB, 66°F WB)						
	5.5°C (10°F)	14.4 (49000)	14.4 (49000)	1.00	0.74 (11.7)	14.4 (4.8)
	6.6°C (12°F)	12.5 (43000)	12.5 (43000)	1.00	0.54 (8.5)	8.2 (2.7)
	7.7°C (14°F)	11.3 (39000)	11.3 (39000)	1.00	0.42 (6.7)	5.3 (1.8)
	8.8°C (16°F)	9.3 (32000)	9.3 (32000)	1.00	0.31 (5.0)	3.1 (1.0)
35°C DB, 19.8°C WB (95°F DB, 68°F WB)						
	5.5°C (10°F)	20.4 (69000)	20.4 (69000)	1.00	1.00 (15.9)	25.5 (8.5)
	6.6°C (12°F)	18.4 (63000)	18.4 (63000)	1.00	0.76 (12.0)	15.1 (5.1)
	7.7°C (14°F)	17.2 (59000)	17.2 (59000)	1.00	0.62 (9.8)	10.4 (3.5)
	8.8°C (16°F)	15.5 (53000)	15.5 (53000)	1.00	0.49 (7.8)	6.9 (2.3)
	10.0°C (18°F)	13.5 (46000)	13.5 (46000)	1.00	0.38 (6.1)	4.4 (1.5)
	11.1°C (20°F)	11.9 (41000)	11.9 (41000)	1.00	0.31 (4.9)	3.0 (1.0)
37.78°C DB, 20.7°C WB (100°F DB, 69°F WB)						
	5.5°C (10°F)	25.4 (87000)	25.4 (87000)	1.00	1.23 (19.5)	37.3 (12.5)
	6.6°C (12°F)	23.7 (81000)	23.7 (81000)	1.00	0.95 (15.1)	23.2 (7.8)
	7.7°C (14°F)	22.6 (77000)	22.6 (77000)	1.00	0.76 (12.1)	15.4 (5.2)
	8.8°C (16°F)	20.9 (71000)	20.9 (71000)	1.00	0.64 (10.2)	11.2 (3.8)
	10.0°C (18°F)	19.3 (66000)	19.3 (66000)	1.00	0.53 (8.4)	7.9 (2.6)
	11.1°C (20°F)	17.7 (60000)	17.7 (60000)	1.00	0.44 (7.0)	5.7 (1.9)
40.50°C DB, 21.5°C WB (105°F DB, 71°F WB)						
	5.5°C (10°F)	31.0 (106000)	31.0 (106000)	1.00	1.50 (23.8)	54.1 (18.2)
	6.6°C (12°F)	29.4 (100000)	29.4 (100000)	1.00	1.18 (18.6)	34.2 (11.5)
	7.7°C (14°F)	28.1 (96000)	28.1 (96000)	1.00	0.98 (15.5)	24.2 (8.1)
	8.8°C (16°F)	26.4 (90000)	26.4 (90000)	1.00	0.80 (12.6)	16.6 (5.6)
	10.0°C (18°F)	24.9 (85000)	24.9 (85000)	1.00	0.67 (10.6)	12.0 (4.0)
	11.1°C (20°F)	23.3 (80000)	23.3 (80000)	1.00	0.57 (9.0)	9.0 (3.0)
43.33°C DB, 22.4°C WB (110°F DB, 72°F WB)						
	5.5°C (10°F)	36.4 (124000)	36.4 (124000)	1.00	1.73 (27.4)	70.4 (23.6)
	6.6°C (12°F)	34.8 (119000)	34.8 (119000)	1.00	1.37 (21.7)	45.4 (15.2)
	7.7°C (14°F)	33.6 (115000)	33.6 (115000)	1.00	1.07 (17.0)	28.8 (9.7)
	8.8°C (16°F)	32.2 (110000)	32.2 (110000)	1.00	0.96 (15.3)	23.7 (7.9)
	10.0°C (18°F)	30.7 (105000)	30.7 (105000)	1.00	0.82 (12.9)	17.4 (5.8)
	11.1°C (20°F)	29.2 (100000)	29.2 (100000)	1.00	0.70 (11.1)	13.2 (4.4)
46.11°C DB, 23.3°C WB (115°F DB, 74°F WB)						
	6.6°C (12°F)	40.4 (138000)	40.4 (138000)	1.00	1.58 (25.0)	59.2 (19.9)
	7.7°C (14°F)	39.2 (134000)	39.2 (134000)	1.00	1.23 (19.5)	37.0 (12.4)
	8.8°C (16°F)	37.8 (129000)	37.8 (129000)	1.00	1.13 (17.8)	31.5 (10.6)
	10.0°C (18°F)	36.4 (124000)	36.4 (124000)	1.00	0.96 (15.2)	23.4 (7.9)
	11.1°C (20°F)	34.9 (119000)	34.9 (119000)	1.00	0.83 (13.2)	18.05 (6.1)

Temperature DB, WB – °C (°F)	CW Delta T – °C (°F)	Total Net Capacity – kW (BTU/hr)	Sensible Net Capacity – kW (BTU/hr)	Sensible Heat Ratio – SHR	CW Flow Rate – l/s (GPM)	Total CW Pressure Drop – kPa (ft H_2O)
48.89°C DB, 23.9°C WB (120°F DB, 75°F WB)						
	6.6°C (12°F)	45.7 (156000)	45.7 (156000)	1.00	1.77 (28.0)	73.7 (24.7)
	7.7°C (14°F)	44.7 (152000)	44.7 (152000)	1.00	1.36 (21.5)	44.5 (14.9)
	8.8°C (16°F)	43.4 (148000)	43.4 (148000)	1.00	1.29 (20.4)	40.5 (13.6)
	10.0°C (18°F)	42.1 (144000)	42.1 (144000)	1.00	1.10 (17.5)	30.4 (10.2)
	11.1°C (20°F)	40.7 (139000)	40.7 (139000)	1.00	0.96 (15.3)	23.6 (7.9)

Note: Any CW flow rate of 3.0 GPM–5.0 GPM may have increased error in Flow Rate and Power Calculation. A Fluid Flow Fault may result. Any flow rate under 3.0 GPM may also display as 0 in Flow Rate and Power Calculation.
Note: Overall cooling capacity will be reduced if the optional dew point control pump (DPCP) is operating. The DPCP should only be operating if the dedicated IT room humidity control system or humidity barrier fails. The DPCP can be disabled via the display interface.

Performance specifications 22°C (72°F) EWT (ACRC301H)

Temperature DB, WB – °C (°F)	CW Delta T – °C (°F)	Total Net Capacity – kW (BTU/hr)	Sensible Net Capacity – kW (BTU/hr)	Sensible Heat Ratio – SHR	CW Flow Rate – l/s (GPM)	Total CW Pressure Drop – kPa (ft H_2O)
32.22°C DB, 18.9°C WB (90°F DB, 66°F WB)						
	5.5°C (10°F)	10.8 (37000)	10.8 (37000)	1.00	0.57 (9.0)	9.0 (3.0)
	6.6°C (12°F)	9.0 (31000)	9.0 (31000)	1.00	0.41 (6.4)	4.9 (1.6)
	7.7°C (14°F)	6.9 (24000)	6.9 (24000)	1.00	0.28 (4.4)	2.5 (0.8)
35°C DB, 19.8°C WB (95°F DB, 68°F WB)						
	5.5°C (10°F)	16.6 (57000)	16.6 (57000)	1.00	0.83 (13.2)	18.0 (6.0)
	6.6°C (12°F)	14.9 (51000)	14.9 (51000)	1.00	0.61 (9.6)	10.3 (3.4)
	7.7°C (14°F)	13.3 (46000)	13.3 (46000)	1.00	0.49 (7.7)	6.8 (2.3)
	8.8°C (16°F)	11.6 (40000)	11.6 (40000)	1.00	0.38 (6.0)	4.4 (1.5)
	10.0°C (18°F)	9.5 (32000)	9.5 (32000)	1.00	0.28 (4.5)	2.6 (0.9)
37.78°C DB, 20.7°C WB (100°F DB, 69°F WB)						
	5.5°C (10°F)	21.8 (74000)	21.8 (74000)	1.00	1.07 (17.0)	28.6 (9.6)
	6.6°C (12°F)	19.8 (68000)	19.8 (68000)	1.00	0.81 (12.9)	17.2 (5.8)
	7.7°C (14°F)	18.6 (63000)	18.6 (63000)	1.00	0.66 (10.4)	11.7 (3.9)
	8.8°C (16°F)	17.2 (59000)	17.2 (59000)	1.00	0.54 (8.6)	8.2 (2.7)
	10.0°C (18°F)	15.3 (52000)	15.3 (52000)	1.00	0.43 (6.9)	5.5 (1.8)
	11.1°C (20°F)	13.1 (45000)	13.1 (45000)	1.00	0.34 (5.4)	3.6 (1.2)
40.50°C DB, 21.5°C WB (105°F DB, 71°F WB)						
	5.5°C (10°F)	27.1 (93000)	27.1 (93000)	1.00	1.32 (21.0)	42.6 (14.3)
	6.6°C (12°F)	25.7 (88000)	25.7 (88000)	1.00	1.03 (16.3)	27.1 (9.1)
	7.7°C (14°F)	24.2 (83000)	24.2 (83000)	1.00	0.84 (13.3)	18.4 (6.2)
	8.8°C (16°F)	22.6 (78000)	22.6 (78000)	1.00	0.69 (11.0)	12.8 (4.3)
	10.0°C (18°F)	21.1 (72000)	21.1 (72000)	1.00	0.58 (9.2)	9.3 (3.1)
	11.1°C (20°F)	19.4 (66000)	19.4 (66000)	1.00	0.48 (7.6)	6.6 (2.2)
43.33°C DB, 22.4°C WB (110°F DB, 72°F WB)						
	5.5°C (10°F)	32.7 (111000)	32.7 (111000)	1.00	1.56 (24.7)	58.0 (19.4)
	6.6°C (12°F)	31.1 (106000)	31.1 (106000)	1.00	1.21 (19.2)	36.2 (12.1)
	7.7°C (14°F)	29.8 (102000)	29.8 (102000)	1.00	1.02 (16.2)	26.3 (8.8)
	8.8°C (16°F)	28.4 (97000)	28.4 (97000)	1.00	0.86 (13.6)	19.2 (6.4)
	10.0°C (18°F)	26.6 (92000)	26.6 (92000)	1.00	0.72 (11.5)	13.9 (4.7)
	11.1°C (20°F)	25.1 (86000)	25.1 (86000)	1.00	0.61 (9.7)	10.3 (3.4)
46.11°C DB, 23.3°C WB (115°F DB, 74°F WB)						
	5.5°C (10°F)	38.1 (130000)	38.1 (130000)	1.00	1.80 (28.6)	76.5 (25.6)
	6.6°C (12°F)	36.6 (125000)	36.6 (125000)	1.00	1.41 (22.4)	48.3 (16.2)
	7.7°C (14°F)	35.5 (121000)	35.5 (121000)	1.00	1.21 (19.1)	35.8 (12.0)
	8.8°C (16°F)	34.1 (116000)	34.1 (116000)	1.00	1.02 (16.2)	26.3 (8.8)
	10.0°C (18°F)	32.6 (111000)	32.6 (111000)	1.00	0.87 (13.8)	19.5 (6.5)
	11.1°C (20°F)	31.1 (106000)	31.1 (106000)	1.00	0.75 (11.8)	14.8 (4.9)

Temperature DB, WB – °C (°F)	CW Delta T – °C (°F)	Total Net Capacity – kW (BTU/hr)	Sensible Net Capacity – kW (BTU/hr)	Sensible Heat Ratio – SHR	CW Flow Rate – l/s (GPM)	Total CW Pressure Drop – kPa (ft H_2O)
48.89°C DB, 23.9°C WB (120°F DB, 75°F WB)						
	6.6°C (12°F)	42.2 (144000)	42.2 (144000)	1.00	1.61 (25.5)	63.6 (21.3)
	7.7°C (14°F)	41.0 (140000)	41.0 (140000)	1.00	1.38 (21.9)	46.3 (15.5)
	8.8°C (16°F)	39.7 (136000)	39.7 (136000)	1.00	1.18 (18.7)	34.5 (11.6)
	10.0°C (18°F)	38.3 (131000)	38.3 (131000)	1.00	1.01 (16.0)	25.8 (8.7)
	11.1°C (20°F)	37.0 (126000)	37.0 (126000)	1.00	0.88 (14.0)	20.0 (6.7)

Note: Any CW flow rate of 3.0 GPM–5.0 GPM may have increased error in Flow Rate and Power Calculation. A Fluid Flow Fault may result. Any flow rate under 3.0 GPM may also display as 0 in Flow Rate and Power Calculation.
Note: Overall cooling capacity will be reduced if the optional dew point control pump (DPCP) is operating. The DPCP should only be operating if the dedicated IT room humidity control system or humidity barrier fails. The DPCP can be disabled via the display interface.

ACRC600 Series/ACRC600P Series

Performance specifications 5.6°C (42°F) EWT

Temperature DB, WB – °C (°F)	CW Delta T – °C (°F)	Total Net Capacity – kW (BTU/hr)	Sensible Net Capacity – kW (BTU/hr)	Sensible Heat Ratio – SHR	CW Flow Rate – l/s (GPM)	Total CW Pressure Drop – kPa (ft H_2O)
26.7°C DB, 17.1°C WB (80°F DB, 62.8°F WB)						
	6.6°C (12°F)	44.3 (151000)	40.7 (139000)	0.92	1.6 (25.9)	66 (21.95)
	7.7°C (14°F)	40.8 (139000)	37.9 (129000)	0.93	1.3 (20.6)	42 (14.1)
	8.8°C (16°F)	37.8 (129000)	35.2 (120000)	0.93	1.1 (16.8)	29 (9.5)
	10.0°C (18°F)	34.6 (118000)	32.5 (111000)	0.94	0.9 (13.8)	19 (6.5)
	11.1°C (20°F)	31.8 (109000)	29.9 (102000)	0.94	0.7 (11.5)	14 (4.6)
29.4°C DB, 18.1°C WB (85°F DB, 64.5°F WB)						
	6.6°C (12°F)	50.8 (174000)	47.8 (163000)	0.94	1.9 (29.5)	84 (28.4)
	7.7°C (14°F)	47.7 (163000)	44.8 (153000)	0.94	1.5 (23.9)	56 (18.7)
	8.8°C (16°F)	44.1 (151000)	41.9 (143000)	0.95	1.2 (19.4)	38 (12.5)
	10.0°C (18°F)	41.2 (141000)	39.1 (134000)	0.95	1.0 (16.2)	26 (8.8)
	11.1°C (20°F)	37.8 (129000)	36.3 (124000)	0.96	0.8 (13.5)	19 (6.2)
32.2°C DB, 18.9°C WB (90°F DB, 66.1°F WB)						
	7.7°C (14°F)	54.5 (186000)	52.3 (179000)	0.96	1.7 (27.1)	71 (23.8)
	8.8°C (16°F)	51.4 (175000)	49.3 (168000)	0.96	1.4 (22.4)	49 (16.6)
	10.0°C (18°F)	47.8 (163000)	46.3 (158000)	0.97	1.2 (18.6)	35 (11.6)
	11.1°C (20°F)	44.8 (153000)	43.4 (148000)	0.97	1.0 (15.7)	25 (8.32)
35.0°C DB, 19.8°C WB (95°F DB, 67.7°F WB)						
	7.7°C (14°F)	62.0 (212000)	60.2 (205000)	0.97	1.9 (30.6)	90 (30.3)
	8.8°C (16°F)	58.8 (201000)	57.0 (195000)	0.97	1.6 (25.4)	63 (21.3)
	10.0°C (18°F)	55.6 (190000)	53.9 (184000)	0.97	1.4 (21.4)	45 (15.2)
	11.1°C (20°F)	52.4 (179000)	50.9 (174000)	0.97	1.2 (18.3)	33 (11.1)
37.8°C DB, 20.7°C WB (100°F DB, 69.2°F WB)						
	8.8°C (16°F)	66.4 (227000)	65.0 (222000)	0.98	1.8 (28.6)	79 (26.6)
	10.0°C (18°F)	63.1 (215000)	61.8 (211000)	0.98	1.5 (24.2)	57 (19.2)
	11.1°C (20°F)	59.8 (204000)	58.7 (200000)	0.98	1.3 (20.7)	42 (14.3)
40.6°C DB, 21.6°C WB (105°F DB, 70.8°F WB)						
	8.8°C (16°F)	74.8 (256000)	73.3 (250000)	0.98	2.0 (32.1)	99 (33.3)
	10.0°C (18°F)	71.4 (244000)	70.0 (239000)	0.98	1.7 (27.3)	72 (24.3)
	11.1°C (20°F)	68.1 (233000)	66.7 (228000)	0.98	1.5 (23.4)	54 (18.02)

Note: Any CW flow rate of 3.0 GPM–5.0 GPM may have increased error in Flow Rate and Power Calculation. A Fluid Flow Fault may result. Any flow rate under 3.0 GPM may also display as 0 in Flow Rate and Power Calculation.
Note: Reduce airflow and cooling capacity specifications by 7% for cooling units run at low input voltage (380 V).

Performance specifications 7.2°C (45°F) EWT (ACRC600/ACRC600P series)

Temperature DB, WB – °C (°F)	CW Delta T – °C (°F)	Total Net Capacity – kW (BTU/hr)	Sensible Net Capacity – kW (BTU/hr)	Sensible Heat Ratio – SHR	CW Flow Rate – l/s (GPM)	Total CW Pressure Drop – kPa (ft H_2O)
26.7°C DB, 17.1°C WB (80°F DB, 62.8°F WB)						
	5.5°C (10°F)	40.8 (139000)	39.6 (135000)	0.97	1.8 (28.8)	81 (27.03)
	6.6°C (12°F)	37.9 (130000)	36.8 (126000)	0.97	1.4 (22.5)	50 (16.6)
	7.7°C (14°F)	35.1 (120000)	34.1 (116000)	0.97	1.1 (18.0)	32 (10.9)
	8.8°C (16°F)	32.5 (111000)	31.5 (108000)	0.97	0.9 (14.6)	22 (7.4)
	10.0°C (18°F)	29.8 (102000)	28.9 (99000)	0.97	0.8 (12.0)	15 (5.1)
	11.1°C (20°F)	27.3 (93000)	26.5 (90000)	0.97	0.6 (10.0)	11 (3.7)
29.4°C DB, 18.1°C WB (85°F DB, 64.5°F WB)						
	6.6°C (12°F)	45.0 (154000)	43.7 (149000)	0.97	1.7 (26.4)	68 (22.6)
	7.7°C (14°F)	42.0 (144000)	40.8 (139000)	0.97	1.3 (21.2)	44 (14.8)
	8.8°C (16°F)	39.1 (134000)	38.0 (130000)	0.97	1.1 (17.4)	30 (10.2)
	10.0°C (18°F)	36.3 (124000)	35.2 (120000)	0.97	0.9 (14.4)	21 (7.2)
	11.1°C (20°F)	33.3 (114000)	32.6 (111000)	0.98	0.8 (11.9)	15 (5.1)
32.2°C DB, 18.9°C WB (90°F DB, 66.1°F WB)						
	6.6°C (12°F)	52.3 (179000)	51.2 (175000)	0.98	1.9 (30.4)	89 (29.8)
	7.7°C (14°F)	49.2 (168000)	48.2 (165000)	0.98	1.5 (24.5)	59 (19.9)
	8.8°C (16°F)	46.1 (157000)	45.2 (154000)	0.98	1.3 (20.2)	41 (13.6)
	10.0°C (18°F)	42.7 (146000)	42.3 (144000)	0.99	1.1 (16.7)	28 (9.5)
	11.1°C (20°F)	39.8 (136000)	39.4 (135000)	0.99	0.9 (14.1)	20 (6.9)
35.0°C DB, 19.8°C WB (95°F DB, 67.7°F WB)						
	7.7°C (14°F)	57.2 (195000)	56.0 (191000)	0.98	1.8 (28.3)	78 (26.1)
	8.8°C (16°F)	53.4 (182000)	52.9 (181000)	0.99	1.5 (23.2)	53 (17.8)
	10.0°C (18°F)	50.3 (172000)	49.8 (170000)	0.99	1.2 (19.5)	38 (12.7)
	11.1°C (20°F)	47.2 (161000)	46.7 (160000)	0.99	1.0 (16.5)	28 (9.2)
37.8°C DB, 20.7°C WB (100°F DB, 69.2°F WB)						
	8.8°C (16°F)	61.6 (210000)	61.0 (208000)	.99	1.7 (26.6)	69 (23.1)
	10.0°C (18°F)	58.3 (199000)	57.7 (197000)	.99	1.4 (22.4)	50 (16.6)
	11.1°C (20°F)	55.1 (188000)	54.5 (186000)	.99	1.2 (19.1)	36 (12.2)
40.6°C DB, 21.6°C WB (105°F DB, 70.8°F WB)						
	8.8°C (16°F)	69.6 (238000)	69.6 (238000)	1.00	1.9 (29.9)	86 (28.9)
	10.0°C (18°F)	66.1 (226000)	66.1 (226000)	1.00	1.6 (25.3)	63 (21.02)
	11.1°C (20°F)	62.7 (214000)	62.7 (214000)	1.00	1.4 (21.7)	46 (15.5)

Note: Any CW flow rate of 3.0 GPM–5.0 GPM may have increased error in Flow Rate and Power Calculation. A Fluid Flow Fault may result. Any flow rate under 3.0 GPM may also display as 0 in Flow Rate and Power Calculation.
Note: Reduce airflow and cooling capacity specifications by 7% for cooling units run at low input voltage (380 V).

Performance specifications 8.8°C (48°F) EWT (ACRC600/ACRC600P series)

Temperature DB, WB – °C (°F)	CW Delta T – °C (°F)	Total Net Capacity – kW (BTU/hr)	Sensible Net Capacity – kW (BTU/hr)	Sensible Heat Ratio – SHR	CW Flow Rate – l/s (GPM)	Total CW Pressure Drop – kPa (ft H_2O)
26.7°C DB, 17.1°C WB (80°F DB, 62.8°F WB)						
	5.5°C (10°F)	35.7 (122000)	34.6 (118000)	0.97	1.6 (25.5)	63 (21.3)
	6.6°C (12°F)	32.9 (112000)	31.9 (109000)	0.97	1.2 (19.7)	39 (12.9)
	7.7°C (14°F)	30.3 (103000)	29.4 (100000)	0.97	1.0 (15.7)	25 (8.3)
	8.8°C (16°F)	27.7 (95000)	26.9 (92000)	0.97	0.8 (12.7)	17 (5.5)
	10.0°C (18°F)	25.3 (86000)	24.5 (84000)	0.97	0.7 (10.4)	11 (3.9)
29.4°C DB, 18.1°C WB (85°F DB, 64.5°F WB)						
	5.5°C (10°F)	42.3 (145000)	41.5 (142000)	0.98	1.9 (29.9)	86 (28.9)
	6.6°C (12°F)	39.4 (134000)	38.6 (132000)	0.98	1.5 (23.3)	53 (17.8)
	7.7°C (14°F)	36.5 (125000)	35.8 (122000)	0.98	1.2 (18.6)	35 (11.6)
	8.8°C (16°F)	33.7 (115000)	33.1 (113000)	0.98	1.0 (15.1)	23 (7.9)
	10.0°C (18°F)	31.1 (106000)	30.4 (104000)	0.98	0.8 (12.5)	16 (5.3)
	11.1°C (20°F)	28.5 (97000)	27.9 (95000)	0.98	0.7 (10.4)	12 (3.9)
32.2°C DB, 18.9°C WB (90°F DB, 66.1°F WB)						
	6.6°C (12°F)	47.0 (161000)	46.1 (157000)	0.98	1.7 (27.5)	73 (24.5)
	7.7°C (14°F)	43.9 (150000)	43.0 (147000)	0.98	1.4 (22.1)	48 (16.2)
	8.8°C (16°F)	40.9 (140000)	40.1 (137000)	0.98	1.1 (18.1)	33 (10.9)
	10.0°C (18°F)	37.6 (128000)	37.2 (127000)	0.99	0.9 (14.9)	23 (7.6)
	11.1°C (20°F)	34.8 (119000)	34.4 (118000)	0.99	0.8 (12.5)	16 (5.3)
35.0°C DB, 19.8°C WB (95°F DB, 67.7°F WB)						
	7.7°C (14°F)	51.4 (176000)	50.9 (174000)	0.99	1.6 (25.6)	64 (21.5)
	8.8°C (16°F)	48.2 (165000)	47.7 (163000)	0.99	1.3 (21.1)	44 (14.8)
	10.0°C (18°F)	45.0 (154000)	44.6 (152000)	0.99	1.1 (17.6)	31 (10.4)
	11.1°C (20°F)	42.0 (143000)	41.6 (142000)	0.99	0.9 (14.8)	22 (7.6)
37.8°C DB, 20.7°C WB (100°F DB, 69.2°F WB)						
	7.7°C (14°F)	60.0 (205000)	59.4 (203000)	0.99	1.9 (29.7)	85 (28.6)
	8.8°C (16°F)	56.0 (191000)	56.0 (191000	1.00	1.5 (24.3)	58 (19.4)
	10.0°C (18°F)	52.6 (180000)	52.6 (180000	1.00	1.3 (20.4)	41 (13.9)
	11.1°C (20°F)	49.4 (169000)	49.4 (169000)	1.00	1.1 (17.3)	30 (9.9)
40.6°C DB, 21.6°C WB (105°F DB, 70.8°F WB)						
	7.7°C (14°F)	68.6 (234000)	68.6 (234000)	1.00	2.1 (33.7)	109 (36.5)
	8.8°C (16°F)	64.9 (222000)	64.9 (222000)	1.00	1.8 (28.0)	76 (25.4)
	10.0°C (18°F)	61.3 (209000)	61.3 (209000)	1.00	1.5 (23.5)	54 (18.2)

Note: Any CW flow rate of 3.0 GPM–5.0 GPM may have increased error in Flow Rate and Power Calculation. A Fluid Flow Fault may result. Any flow rate under 3.0 GPM may also display as 0 in Flow Rate and Power Calculation.
Note: Reduce airflow and cooling capacity specifications by 7% for cooling units run at low input voltage (380 V).

Performance specifications 10°C (50°F) EWT (ACRC600/ACRC600P series)

Temperature DB, WB – °C (°F)	CW Delta T – °C (°F)	Total Net Capacity – kW (BTU/hr)	Sensible Net Capacity – kW (BTU/hr)	Sensible Heat Ratio – SHR	CW Flow Rate – l/s (GPM)	Total CW Pressure Drop – kPa (ft H_2O)
26.7°C DB, 17.1°C WB (80°F DB, 62.8°F WB)						
	5.5°C (10°F)	32.6 (111000)	31.8 (109000)	0.98	1.5 (23.5)	54 (18.02)
	6.6°C (12°F)	29.9 (102000)	29.2 (100000)	0.98	1.1 (18.1)	33 (11.1)
	7.7°C (14°F)	27.4 (93000)	26.7 (91000)	0.98	0.9 (14.3)	21 (6.9)
	8.8°C (16°F)	24.9 (85000)	24.3 (83000)	0.98	0.7 (11.5)	14 (4.6)
	10.0°C (18°F)	22.6 (77000)	22.0 (75000)	0.98	0.6 (9.4)	10 (3.2)
	11.1°C (20°F)	20.4 (70000)	19.9 (68000)	0.98	0.5 (7.7)	7 (2.3)
29.4°C DB, 18.1°C WB (85°F DB, 64.5°F WB)						
	5.5°C (10°F)	39.6 (135000)	38.6 (132000)	0.98	1.8 (28.0)	76 (25.6)
	6.6°C (12°F)	36.6 (125000)	35.7 (122000)	0.98	1.4 (21.8)	47 (15.7)
	7.7°C (14°F)	33.8 (115000)	32.9 (112000)	0.98	1.1 (17.3)	30 (10.2)
	8.8°C (16°F)	31.1 (106000)	30.3 (103000)	0.98	0.9 (14.0)	20 (6.7)
	10.0°C (18°F)	28.5 (97000)	27.7 (95000)	0.98	0.7 (11.5)	14 (4.6)
	11.1°C (20°F)	26.0 (89000)	25.3 (86000)	0.98	0.6 (9.5)	10 (3.2)
32.2°C DB, 18.9°C WB (90°F DB, 66.1°F WB)						
	6.6°C (12°F)	43.6 (149000)	43.2 (147000)	0.99	1.6 (25.6)	64 (21.5)
	7.7°C (14°F)	40.5 (138000)	40.1 (137000)	0.99	1.3 (20.5)	42 (13.9)
	8.8°C (16°F)	37.6 (128000)	37.2 (127000)	0.99	1.1 (16.7)	28 (9.5)
	10.0°C (18°F)	34.7 (119000)	34.4 (117000)	0.99	0.9 (13.8)	20 (6.5)
	11.1°C (20°F)	32.0 (109000)	31.7 (108000)	0.99	0.7 (11.5)	14 (4.6)
35.0°C DB, 19.8°C WB (95°F DB, 67.7°F WB)						
	6.6°C (12°F)	51.9 (177000)	51.4 (175000)	0.99	1.9 (30.1)	88 (29.3)
	7.7°C (14°F)	48.5 (166000)	48.0 (164000)	0.99	1.5 (24.2)	58 (19.4)
	8.8°C (16°F)	45.3 (155000)	44.8 (153000)	0.99	1.3 (19.9)	39 (13.2)
	10.0°C (18°F)	42.1 (144000)	41.7 (142000)	0.99	1.0 (16.5)	28 (9.2)
	11.1°C (20°F)	38.7 (132000)	38.7 (132000)	1.00	0.9 (13.7)	19 (6.5)
37.8°C DB, 20.7°C WB (100°F DB, 69.2°F WB)						
	7.7°C (14°F)	56.7 (194000)	56.7 (194000)	1.00	1.8 (28.1)	77 (25.6)
	8.8°C (16°F)	53.2 (182000)	53.2 (182000)	1.00	1.5 (23.1)	53 (17.6)
	10.0°C (18°F)	49.8 (170000)	49.8 (170000)	1.00	1.2 (19.3)	37 (12.5)
40.6°C DB, 21.6°C WB (105°F DB, 70.8°F WB)						
	8.8°C (16°F)	62.3 (213000)	62.3 (213000)	1.00	1.7 (26.9)	70 (23.6)

Note: Any CW flow rate of 3.0 GPM–5.0 GPM may have increased error in Flow Rate and Power Calculation. A Fluid Flow Fault may result. Any flow rate under 3.0 GPM may also display as 0 in Flow Rate and Power Calculation.
Note: Reduce airflow and cooling capacity specifications by 7% for cooling units run at low input voltage (380 V).

Performance specifications 12.7°C (55°F) EWT (ACRC600/ACRC600P series)

Temperature DB, WB – °C (°F)	CW Delta T – °C (°F)	Total Net Capacity – kW (BTU/hr)	Sensible Net Capacity – kW (BTU/hr)	Sensible Heat Ratio – SHR	CW Flow Rate – l/s (GPM)	Total CW Pressure Drop – kPa (ft H_2O)
26.7°C DB, 17.1°C WB (80°F DB, 62.8°F WB)						
	5.5°C (10°F)	24.7 (85000)	24.7 (85000)	1.00	1.2 (18.3)	33 (11.3)
	6.6°C (12°F)	22.3 (76000)	22.3 (76000)	1.00	0.9 (13.9)	20 (6.7)
	7.7°C (14°F)	20.0 (68000)	20.0 (68000)	1.00	0.7 (10.8)	12 (4.2)
	8.8°C (16°F)	17.8 (61000)	17.8 (61000)	1.00	0.5 (8.6)	8 (2.8)
	10.0°C (18°F)	15.8 (54000)	15.8 (54000)	1.00	0.4 (6.9)	5 (1.8)
	11.1°C (20°F)	13.9 (48000)	13.9 (48000)	1.00	0.4 (5.6)	4 (1.2)
29.4°C DB, 18.1°C WB (85°F DB, 64.5°F WB)						
	5.5°C (10°F)	31.3 (107000)	31.3 (107000)	1.00	1.4 (22.6)	50 (16.9)
	6.6°C (12°F)	28.5 (97000)	28.5 (97000)	1.00	1.1 (17.3)	30 (10.2)
	7.7°C (14°F)	25.8 (88000)	25.8 (88000)	1.00	0.9 (13.6)	19 (6.5)
	8.8°C (16°F)	23.3 (80000)	23.3 (80000)	1.00	0.7 (10.8)	8 (4.2)
	10.0°C (18°F)	21.0 (72000)	21.0 (72000)	1.00	0.6 (8.8)	8 (2.8)
	11.1°C (20°F)	18.7 (64000)	18.7 (64000)	1.00	0.5 (7.2)	6 (1.8)
32.2°C DB, 18.9°C WB (90°F DB, 66.1°F WB)						
	5.5°C (10°F)	39.1 (133000)	39.1 (133000)	1.00	1.7 (27.7)	75 (24.9)
	6.6°C (12°F)	35.9 (123000)	35.9 (123000)	1.00	1.3 (21.3)	45 (15.02)
	7.7°C (14°F)	32.8 (112000)	32.8 (112000)	1.00	1.1 (16.9)	29 (9.7)
	8.8°C (16°F)	30.0 (102000)	30.0 (102000)	1.00	0.9 (13.6)	19 (6.5)
	10.0°C (18°F)	27.2 (93000)	27.2 (93000)	1.00	0.7 (11.1)	13 (4.4)
35.0°C DB, 19.8°C WB (95°F DB, 67.7°F WB)						
	6.6°C (12°F)	44.2 (151000)	44.2 (151000)	1.00	1.6 (25.9)	66 (21.9)
	7.7°C (14°F)	40.8 (139000)	40.8 (139000)	1.00	1.3 (20.6)	42 (14.1)
	8.8°C (16°F)	37.5 (128000)	37.5 (128000)	1.00	1.1 (16.7)	28 (9.5)
37.8°C DB, 20.7°C WB (100°F DB, 69.2°F WB)						
	7.7°C (14°F)	49.8 (170000)	49.8 (170000)	1.00	1.6 (24.8)	60 (20.1)
40.6°C DB, 21.6°C WB (105°F DB, 70.8°F WB)						
	7.7°C (14°F)	59.7 (204000)	59.7 (204000)	1.00	1.9 (29.5)	84 (28.2)

Note: Any CW flow rate of 3.0 GPM–5.0 GPM may have increased error in Flow Rate and Power Calculation. A Fluid Flow Fault may result. Any flow rate under 3.0 GPM may also display as 0 in Flow Rate and Power Calculation.
Note: Reduce airflow and cooling capacity specifications by 7% for cooling units run at low input voltage (380 V).

Performance specifications 15.5°C (60°F) EWT (ACRC600/ACRC600P series)

Temperature DB, WB – °C (°F)	CW Delta T – °C (°F)	Total Net Capacity – kW (BTU/hr)	Sensible Net Capacity – kW (BTU/hr)	Sensible Heat Ratio – SHR	CW Flow Rate – l/s (GPM)	Total CW Pressure Drop – kPa (ft H_2O)
26.7°C DB, 17.1°C WB (80°F DB, 62.8°F WB)						
	5.5°C (10°F)	17.5 (60000)	17.5 (60000)	1.00	0.9 (13.5)	19 (6.2)
	6.6°C (12°F)	15.2 (52000)	15.2 (52000)	1.00	0.6 (10.0)	11 (3.7)
	7.7°C (14°F)	13.1 (45000)	13.1 (45000)	1.00	0.5 (7.6)	6 (2.1)
	8.8°C (16°F)	11.1 (38000)	11.1 (38000)	1.00	0.4 (5.8)	4 (1.4)
	10.0°C (18°F)	9.3 (32000)	9.3 (32000)	1.00	0.3 (4.5)	3 (0.9)
	11.1°C (20°F)	7.7 (26000)	7.7 (26000)	1.00	0.2 (3.5)	2 (0.5)
29.4°C DB, 18.1°C WB (85°F DB, 64.5°F WB)						
	5.5°C (10°F)	23.8 (81000)	23.8 (81000)	1.00	1.1 (17.7)	31 (10.4)
	6.6°C (12°F)	21.1 (72000)	21.1 (72000)	1.00	0.8 (13.2)	18 (6.01)
	7.7°C (14°F)	18.5 (63000)	18.5 (63000)	1.00	0.6 (10.1)	11 (3.7)
	8.8°C (16°F)	16.1 (55000)	16.1 (55000)	1.00	0.5 (7.9)	7 (2.3)
32.2°C DB, 18.9°C WB (90°F DB, 66.1°F WB)						
	5.5°C (10°F)	31.5 (108000)	31.5 (108000)	1.00	1.4 (22.8)	51 (17.1)
	6.6°C (12°F)	28.3 (97000)	28.3 (97000)	1.00	1.1 (17.2)	30 (9.9)
35.0°C DB, 19.8°C WB (95°F DB, 67.7°F WB)						
	5.5°C (10°F)	40.6 (139000)	40.6 (139000)	1.00	1.8 (28.7)	80 (26.8)

Note: Any CW flow rate of 3.0 GPM–5.0 GPM may have increased error in Flow Rate and Power Calculation. A Fluid Flow Fault may result. Any flow rate under 3.0 GPM may also display as 0 in Flow Rate and Power Calculation.
Note: Reduce airflow and cooling capacity specifications by 7% for cooling units run at low input voltage (380 V).

Performance Data—General

ACRC301S

MODULATING VALVES			
	Size 3-Way Ball Valve – NPT mm (in.) (Cv)	31.75 (1 1/4) 29.3	
AIR SYSTEM			
	200-mm (7.9-in.) Mixed Flow Direct Drive DC Tubeaxial Fans	Standard filter	51-mm (2-in.) pleated filter
	Air Volume – l/s (SCFM)	1510 (3200)	1345 (2850)
	Fan Motor – Watts (each)	95	100
	Number of Fans	8	8
	Performance Specifications Table Multiplier*	1.0	.94
WATER TEMPERATURE			
	Minimum Entering Temperature – °C (°F)	5 (41)	
	Maximum Entering Temperature – °C (°F)	15.5 (60)	
COOLING COIL - COPPER TUBE/ALUMINUM FIN			
	Face Area – m^2 (ft^2)	0.510 (5.5)	
	Rows Deep	3	
	Face Velocity – m/s (FPM)	2.95 (582)	
FILTERS - WASHABLE (STANDARD)			
	Quantity	2	
	Size – mm (in.)	238 x 933 (9.375 x 36.75)	
	Depth – mm (in.)	12.7 (1/2)	
	Efficiency (%)	<20% MERV 1	
FILTERS – PLEATED (OPTIONAL)			
	Quantity	2	
	Size – mm (in.)	238 x 933 (9.375 x 36.75)	
	Depth – mm (in.)	51 (2)	
	Efficiency (%)	30% MERV 8	
PHYSICAL DATA			
	Net Weight - kg (lbs)	184 (406)	
	Operating Weight – kg (lbs)	192 (423)	
	Height – mm (in.)	1991 (78.39)	
	Width – mm (in.)	300 (11.81)	
	Depth – mm (in.)	1095 (43.11)	
CONNECTION SIZES			
	Chilled Water	Supply Line - mm (in.)	25.4 (1) NPT connection
		Return Line - mm (in.)	25.4 (1) NPT connection
	Condensate Drain	Drain Line - mm (in)	4.77 (3/16) ID, 6.35 (1/4) OD
DUAL FLOAT CONDENSATE MANAGEMENT			
	Flow Rate – L/hr (GPH)	5 (1.3)	
	Maximum Distance – m (ft)†	15.2 (50)	
	Maximum Lift – m (ft)	4.9 (16)	

Maximum flow rate is 4720 l/hr (20.8 GPM) for continuous operation.
Maximum working pressure for the unit is 2068.4 kPa (300 psig).
†Maximum distance includes the maximum lift.
*Example: Performance at 29.4°C DB, 18.1°C WB (85°F DB, 64.5°F WB) with a 7.2°C (45°F) EWT, and a 5.5°C (10°F) CW delta T is 21.8 kW (74000 BTU/hr) (total net capacity) with the standard filter. Using a 50-mm (2-in.) pleated filter with single fan failure, the performance of the unit would be 21.8 X 0.94 = 20.5 kW (74000 X .94 = 69560 BTU/hr).

ACRC301H**

MODULATING VALVES			
	Size 3-Way Ball Valve – NPT mm (in.) (Cv)	31.75 (1 1/4) 29.3	
AIR SYSTEM			
	200-mm (7.9-in.) Mixed Flow Direct Drive DC Tubeaxial Fans	Standard filter	51-mm (2-in.) pleated filter
	Air Volume – l/s (SCFM)	1982 (4200)	1793 (3800)
	Fan Motor – Watts (each)	235	245
	Number of Fans	8	8
	Performance Specifications Table Multiplier*	1.0	.94
WATER TEMPERATURE			
	Minimum Entering Temperature – °C (°F)	10 (50)	
	Maximum Entering Temperature – °C (°F)	22 (71.6)	
COOLING COIL - COPPER TUBE/ALUMINUM FIN			
	Face Area – m^2 (ft^2)	0.65 (7.0)	
	Rows Deep	6	
	Face Velocity – m/s (FPM)	3.05 (600)	
FILTERS - WASHABLE (STANDARD)			
	Quantity	2	
	Size – mm (in.)	238 x 933 (9.375 x 36.75)	
	Depth – mm (in.)	12.7 (1/2)	
	Efficiency (%)	<20% MERV 1	
FILTERS - PLEATED (OPTIONAL)			
	Quantity	2	
	Size – mm (in.)	238 x 933 (9.375 x 36.75)	
	Depth – mm (in.)	51 (2)	
	Efficiency (%)	30% MERV 8	
PHYSICAL DATA			
	Net Weight – kg (lbs)	210 (463)	
	Operating Weight – kg (lbs)	220 (485)	
	Height – mm (in.)	1991 (78.39)	
	Width – mm (in.)	300 (11.81)	
	Depth – mm (in.)	1095 (43.11)	
POWER CONNECTION			
	Minimum Input Wire Size - AWG	14	
CONNECTION SIZES			
	Chilled Water	Supply Line – mm (in.)	31.75 (1 1/4) NPT connection
		Return Line – mm (in.)	31.75 (1 1/4) NPT connection

Maximum flow rate is 7020 l/hr (30.9 GPM) for continuous operation.
Maximum working pressure for the unit is 2068.4 kPa (300 psig).
*Example: Performance at 29.4°C DB, 18.1°C WB (85° DB, 64.5°F WB) with a 10°C (50°F) EWT, and a 5.5°C (10°F) CW delta T is 27.3 kW (93000 BTU/hr) (total net capacity) with the standard filter. Using a 50-mm (2-in.) pleated filter with single fan failure, the performance of the unit would be 27.3 X 0.94 = 25.7 kW (93000 X .94 = 87420 BTU/hr).
**If ACRC301H contains the circulation pump kit, the maximum operational water pressure will be 1600 kPa (232 psig).

ACRC600/ACRC600P series

MODULATING VALVES			
	Size 3-Way Ball Valve – NPT mm (in.)		25.4 (1)
AIR SYSTEM 400-mm (15.8-in.)—BACKWARD INCLINE DIRECT DRIVE FANS (Standard Filter Installed)			
	Air Volume – l/s (SCFM)		2832 (6000)
	Fan Motor – kW (HP)		1.00 (1.5)
	Number of Fans		3
COOLING COIL – COPPER TUBE/ALUMINUM FIN			
	Face Area – m^2 (ft^2)		0.74 (7.9)
	Rows Deep		4
	FPM (FPI)		468 (12)
FILTERS – PLEATED (STANDARD)			
	Quantity		4
	Size – mm (in.)		418 x 470 (16.45 x 18.5)
	Depth – mm (in.)		101.6 (4)
	Efficiency (%)		30
FILTERS – PLEATED (OPTIONAL)			
	Quantity		4
	Size - mm (in.)		418 x 470 (16.45 x 18.5)
	Depth - mm (in.)		101.6 (4)
	Efficiency (%)		85
PHYSICAL DATA			
	Net Weight – kg (lbs)	ACRC600	345 (760)
		ACRC600P	352 (776)
	Operating Weight – kg (lbs)	ACRC600	363(800)
		ACRC600P	370 (816)
	Height – mm (in.)		1991 (78.4)
	Width – mm (in.)		600 (23.6)
	Depth – mm (in.)		1070 (42.1)
CONNECTION SIZES			
	Chilled Water	Supply Line **–** mm (in.)	38.1 (1 1/2) NPSM
		Return Line **–** mm (in.)	38.1 (1 1/2) NPSM
	Condensate Drain	Drain Line **–** mm (in.)	9.5 (3/8) ID, 12.7 (1/2) OD
	Humidifier (ACRC600P series only)	Supply line **–** mm (in.)	6.35 (1/4)
DUAL FLOAT CONDENSATE MANAGEMENT			
	Flow Rate – L/m (GPH)		0.53 (8.45)
	Maximum Distance – m (ft)†		18 (60)
	Maximum Lift – m (ft)		3.5 (11.5)
HUMIDIFICATION – SOLID STATE ELECTRODE CANISTER (ACRC600P series only)			
	Flush Cycle		Automatic
	Capacity – kg/hr (lb/hr)		3.0 (6.6)
	kW		2.25
REHEAT – ELECTRIC (Equally Loaded Three Stage, Finned Tubular, Low-Watt Density) (ACRC600P series only)			
	Capacity – kW (BTU/hr)		9.0 (30,700)
	Stages		3

Maximum flow rate is 2.08 l/s (33 GPM) for continuous operation. May be exceeded by 25% for peak loads.
Maximum working pressure for the unit is 2068.4 kPa (300 psig).
†Maximum distance includes the maximum lift.
Note: For ACRC600/ACRC600P series, reduce airflow and cooling capacity specifications by 7% for cooling units run at low input voltage (380V).

Glycol Correction Factors

Performance Criteria	Glycol Solution	Percent Volume of Solution ***					
		0%	10%	20%	30%	40%	50%
Capacity*	Ethylene	1.00	0.98	0.97	0.94	0.91	0.88
	Propylene	1.00	0.96	0.94	0.91	0.87	0.84
Pressure Drop**	Ethylene	1.00	1.04	1.14	1.24	1.36	1.50
	Propylene	1.00	1.10	1.23	1.43	1.67	1.92

Values are derived using the Darcy-Weisbach pressure drop equation at 50°F and 1 atmosphere and Type L copper pipe.
All correction factors for ACRC301S SKU is based on unit entering conditions of 29.4°C (85°F) DB/18.1°C (64.5°F) WB, 1510 L/S (3200 CFM), 0.83 L/S (13.2 GPM), and 7.2°C (45°F) EFT.
All correction factors for ACRC301H SKU is based on unit entering conditions of 29.4°C (85°F) DB/18.1°C (64.5°F) WB, 1980 L/S (4200 CFM), 1.06 L/S (16.7 GPM), and 15°C (59°F) EFT.
All correction factors for ACRC600 series models are based on the unit entering the following conditions:
29.4°C (85°F) DB/18.1°C (64.5°F) WB, 2832 l/s (6000 CFM), 1.72 l/s (27.3 GPM), and 7.2°C (45°F) EFT.
*Multiply capacity of device or system by factor above for % solution.
**Multiply pressure drop of system by factor above for % solution.
***Glycol concentrations over 50% are not recommended.

Performance Criteria	Glycol Solution	Percent Mass of Solution ***					
		0%	10%	20%	30%	40%	50%
Capacity*	Ethylene	1.00	0.98	0.97	0.94	0.91	0.88
	Propylene	1.00	0.96	0.94	0.91	0.87	0.84
Pressure Drop**	Ethylene	1.00	1.01	1.08	1.14	1.23	1.32
	Propylene	1.00	1.08	1.18	1.35	1.56	1.77

Values are derived using the Darcy-Weisbach pressure drop equation at 50°F and 1 atmosphere and Type L copper pipe.
All correction factors for ACRC301S SKU is based on unit entering conditions of 29.4°C (85°F) DB/18.1°C (64.5°F) WB, 1510 L/S (3200 CFM), 0.83 L/S (13.2 GPM), and 7.2°C (45°F) EFT.
All correction factors for ACRC301H SKU is based on unit entering conditions of 29.4°C (85°F) DB/18.1°C (64.5°F) WB, 1980 L/S (4200 CFM), 1.06 L/S (16.7 GPM), and 15°C (59°F) EFT.
All correction factors for ACRC600 series models are based on the unit entering the following conditions:
29.4°C (85°F) DB/18.1°C (64.5°F) WB,2832 l/s (6000 CFM), 1.72 l/s (27.3 GPM), and 7.2°C (45°F) EFT.
*Multiply capacity of device or system by factor above for % solution.
**Multiply pressure drop of system by factor above for % solution.
***Glycol concentrations over 50% are not recommended.

Altitude Correction Factors

Room Condition: 72 DB/50% RH											
Altitude – m (ft)	0	305 (1,000)	610 (2,000)	915 (3,000)	1219 (4,000)	1524 (5,000)	1829 (6,000)	2134 (7,000)	2438 (8,000)	2743 (9,000)	3048 (10,000)
Specific volume –cm^3/g (ft^3/lb)	847.77 (13.58)	879.61 (14.09)	912.70 (14.62)	947.66 (15.18)	983.86 (15.76)	1021.32 (16.36)	1061.28 (17.00)	1103.10 (17.67)	1146.80 (18.37)	1193.00 (19.11)	1241.69 (19.89)
Density – g/m^3 (lb/ft^3)	1185.37 (0.074)	1137.31 (0.071)	1089.26 (0.068)	1057.22 (0.066)	1009.16 (0.063)	977.13 (0.061)	945.10 (0.059)	913.05 (0.057)	865.00 (0.054)	832.97 (0.052)	800.92 (0.050)
Density Ratio	1.000	0.964	0.929	0.895	0.862	0.830	0.799	0.769	0.739	0.711	0.683
Capacity Correction	1.000	0.981	0.962	0.933	0.913	0.884	0.865	0.846	0.826	0.807	0.787

Density ratio is used for air flow correction factor.
Capacity correction is used for performance de-rating.

Sound Performance Data

ACRC301S Series Tested Sound Data			
Fan Speed%	**Airflow – l/s (SCFM)**	**Sound Power dB at Frequency Hz re: 10^{-12}W – dBA**	**Lp Sound Pressure dB 20 µPa* – dBA**
30	430 (900)	64.8	49.8
40	610 (1300)	69.6	56.4
60	940 (2000)	78.2	65.4
80	1270 (2700)	87.5	73.8
100	1510 (3200)	90.5	77.1

*Sound tested at 1.8 m (6 ft) distance from the unit and 1 m (3.3 ft) from the floor.

ACRC301H Series Tested Sound Data			
Fan Speed%	**Airflow – l/s (SCFM)**	**Sound Power dB at Frequency Hz re: 10^{-12}W – dBA**	**Lp Sound Pressure dB 20 µPa* – dBA**
30	570 (1200)	67	52.5
40	800 (1700)	76.3	62.0
60	1230 (2600)	85.5	71.3
80	1650 (3500)	93	79.0
100	1980 (4200)	95.3	81.3

*Sound tested at 1.8 m (6 ft) distance from the unit and 1 m (3.3 ft) from the floor.

ACRC600/ACRC600P Series Tested Sound Data			
Fan Speed%	**Airflow – l/s (SCFM)**	**Sound Power dB at Frequency Hz re: 10^{-12}W – dBA**	**Lp Sound Pressure dB 20 µPa* – dBA**
35	1180 (2500)	65.4	54.9
50	1790 (3800)	76.9	66.8
70	2550 (5400)	85.9	75.0
85	3040 (6450)	90.6	80.7
100	3260 (6900)	91.7	81.9

*Weighted Sound Pressure dBA in a 232.2 m^3 (8,200 ft^3) room at 1.8 m (6 ft) distance.

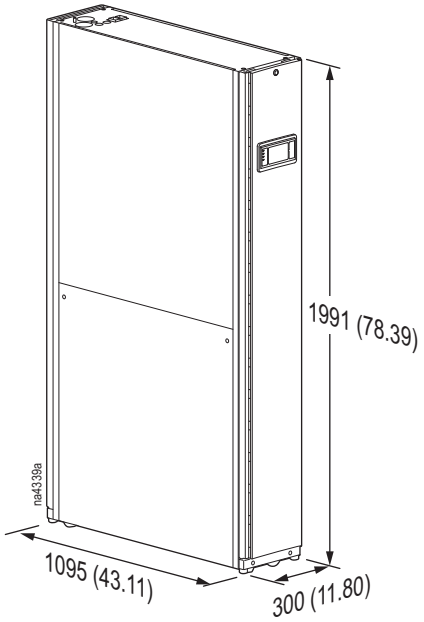
Electrical Data

Model	Power			MCA	MOP	FLA	Power – kW	Power Connection
	Voltage	Phase	Frequency					
ACRC301S	100–120	1	50/60	N/A	N/A	11A	Standard filter: 0.85 Pleated filter: 0.90	NEMA L5-20P 
	200–240	1	50/60	N/A	N/A	11A	Standard filter: 0.80 Pleated filter: 0.84	IEC-309 16A 
ACRC301H	208–230	1	50/60	15A	15A	12A	Standard filter: 1.9** Pleated filter: 2.0**	Hardwired
Dew point control pump	208–230	1	50/60	N/A	N/A	1.6A	0.025– 0.31	N/A
ACRC600*	200–240	3	50/60	11	15	N/A	3.2	NEMA L21-20P  (Top-Wired Only)
ACRC601	460–480	3	50/60	7	15	N/A	3.3	Hard-wired
ACRC602*	380–415	3	50/60	7	15	6	3	IEC-309 16 A  (Top-wired Only)
ACRC600P	200–240	3	50/60	46.8	50	N/A	14	Hardwired
ACRC601P	460–480	3	50/60	24.8	30	N/A	14	Hardwired
ACRC602P	380–415	3	50/60	N/A	N/A	24**	15	Hardwired

*ACRC600 and ACRC602 have the option of being hardwired.
** Power consumption will be increased by 25 - 310 W if the optional dew point control pump is installed.
Note: Above data is based on maximum operating condition.
Note: Installation must comply with local and/or national electrical codes.
MCA—Minimum Circuit Amps
MOP—Maximum Overcurrent Protection
FLA—Full Load Amps

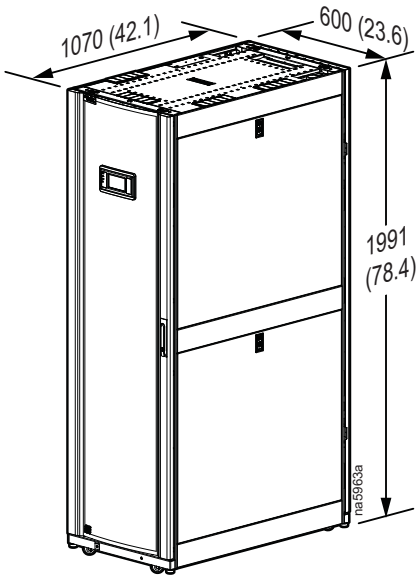
Dimensional Data

InRow ACRC301 series assembled module



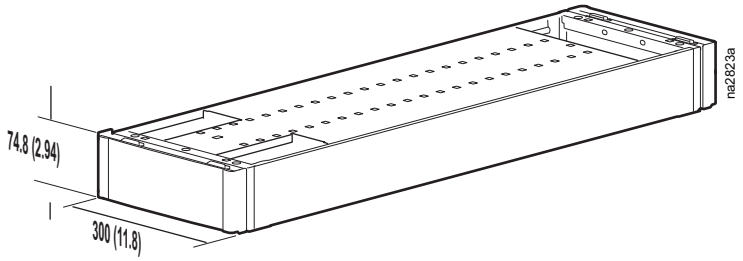
*Dimensions shown in mm

InRow ACRC600/ACRC600P series assembled module



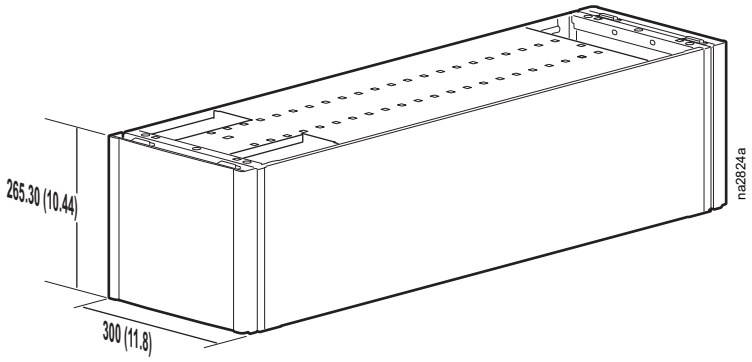
*Dimensions shown in mm (in.)

SX to VX height adapter—ACRC301S/ACRC301H series



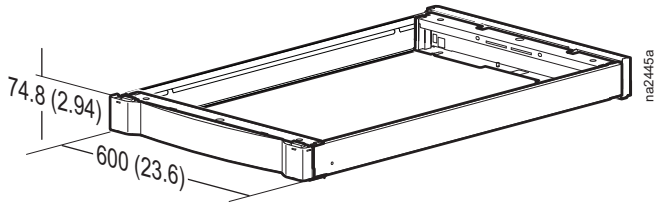
*Dimensions shown in mm (in.)

SX to 48U SX height adapter—ACRC301S/ACRC301H series



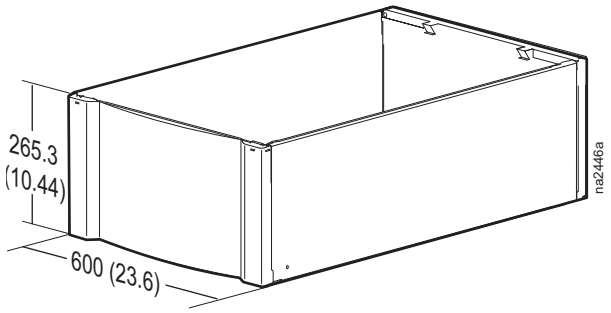
*Dimensions shown in mm (in.)

SX to VX height adapter—ACRC600/ACRC600P series



*Dimensions shown in mm

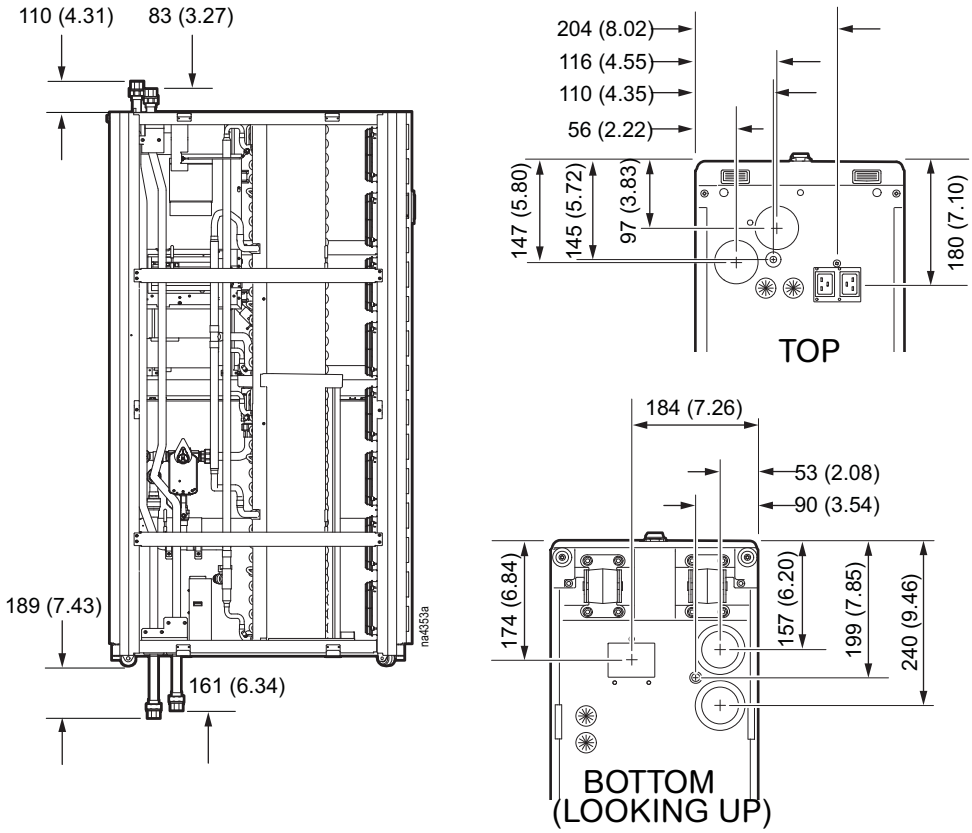
SX to 48U SX height adapter—ACRC600/ACRC600P series



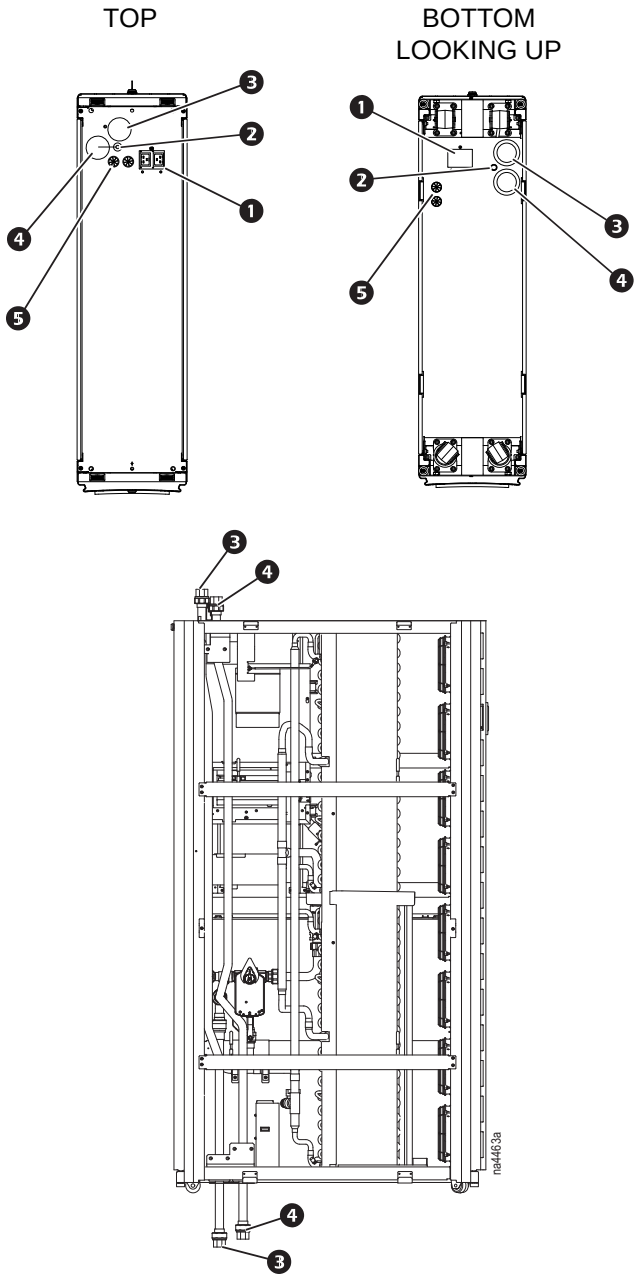
*Dimensions shown in mm (in.)

Piping Connections

Piping and electrical access—ACRC301S

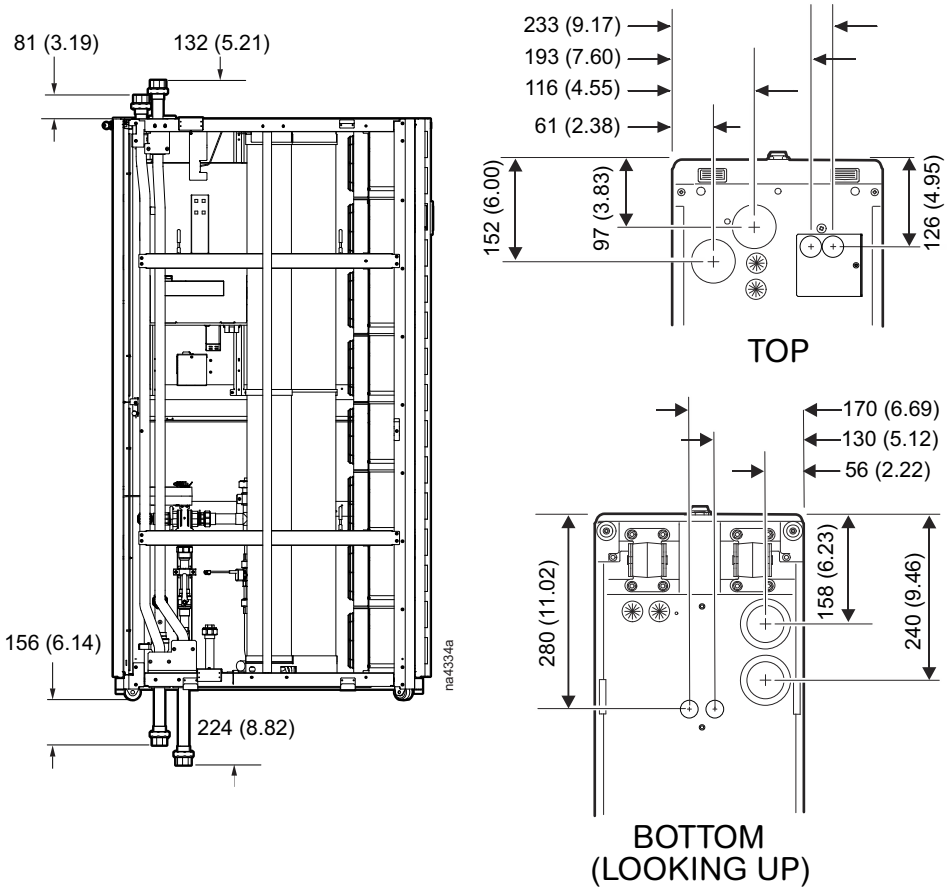


* Dimensions are shown in mm (in.).

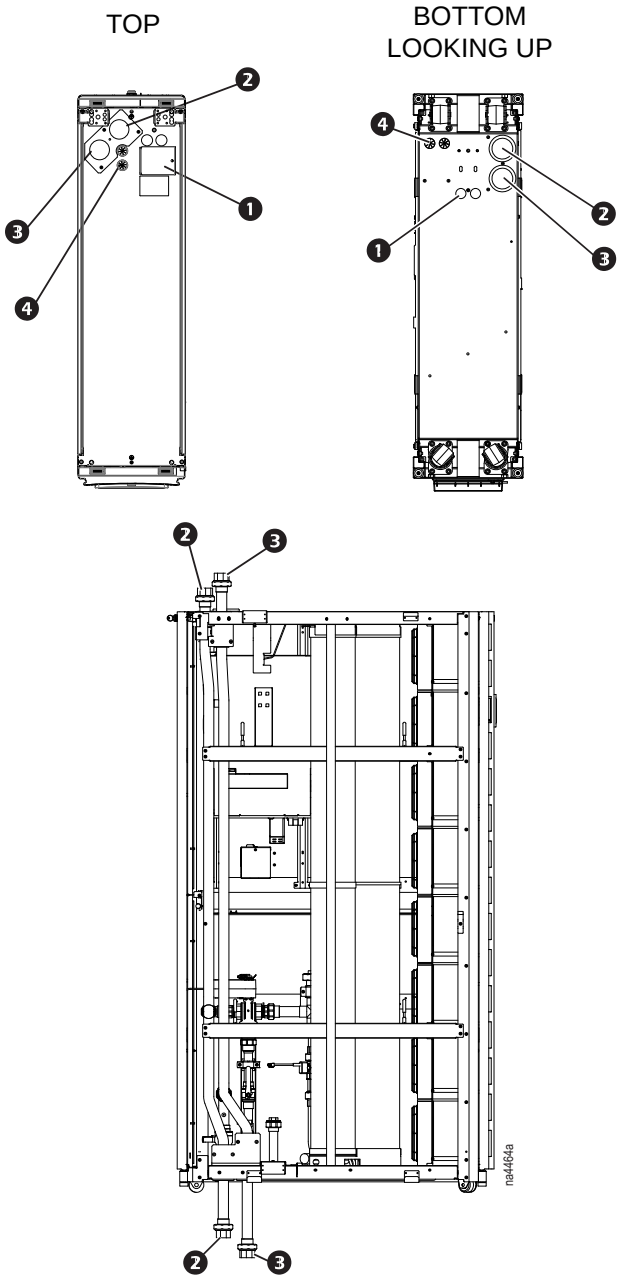


Item	Description
❶	Power connections
❷	Condensate line—0.25 in. ID/0.38 in. OD
❸	1-in. NPT female return pipe (outlet)
❹	1-in. NPT female supply pipe (inlet)
❺	Low voltage input wiring.

Piping and electrical access—ACRC301H

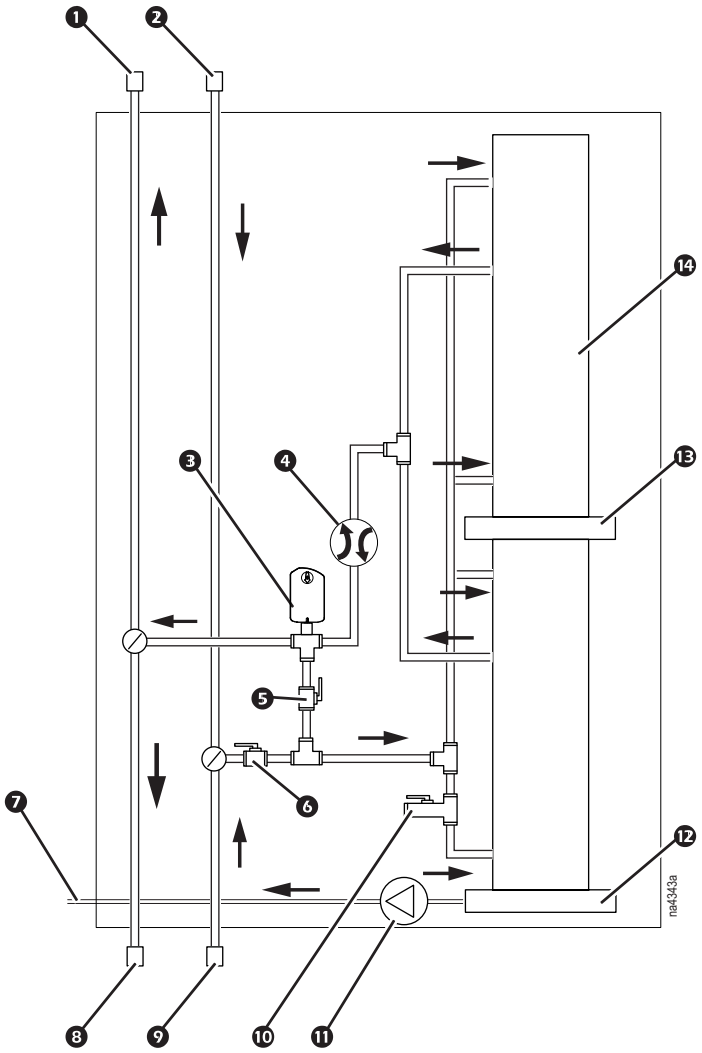


* Dimensions are shown in mm (in).



Item	Description
❶	Power connections
❷	1 1/4-in. NPT female return pipe (outlet)
❸	1 1/4-in. NPT female supply pipe (inlet)
❹	Low voltage input wiring

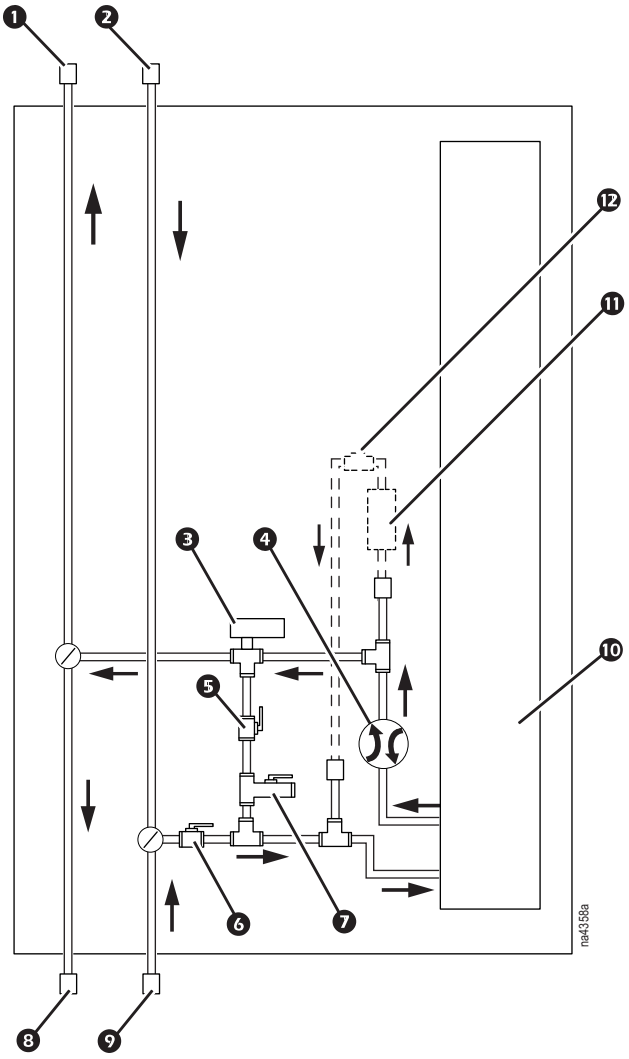
Internal piping diagram—ACRC301S



Item	Description
❶	Outlet water union (top piping option)
❷	Inlet water union (top piping option)
❸	3-way actuator control valve—1 1/4 in.
❹	Flow meter
❺	Bypass shutoff ball valve—3/4 in.
❻	Inlet shutoff valve—1 in.
❼	Condensate drain

Item	Description
❽	Outlet water union (bottom piping option)
❾	Inlet water union (bottom piping option)
❿	Drain valve
⓫	Condensate pump
⓬	Bottom condensate pan
⓭	Top condensate pan
⓮	Coil

Internal piping diagram—ACRC301H



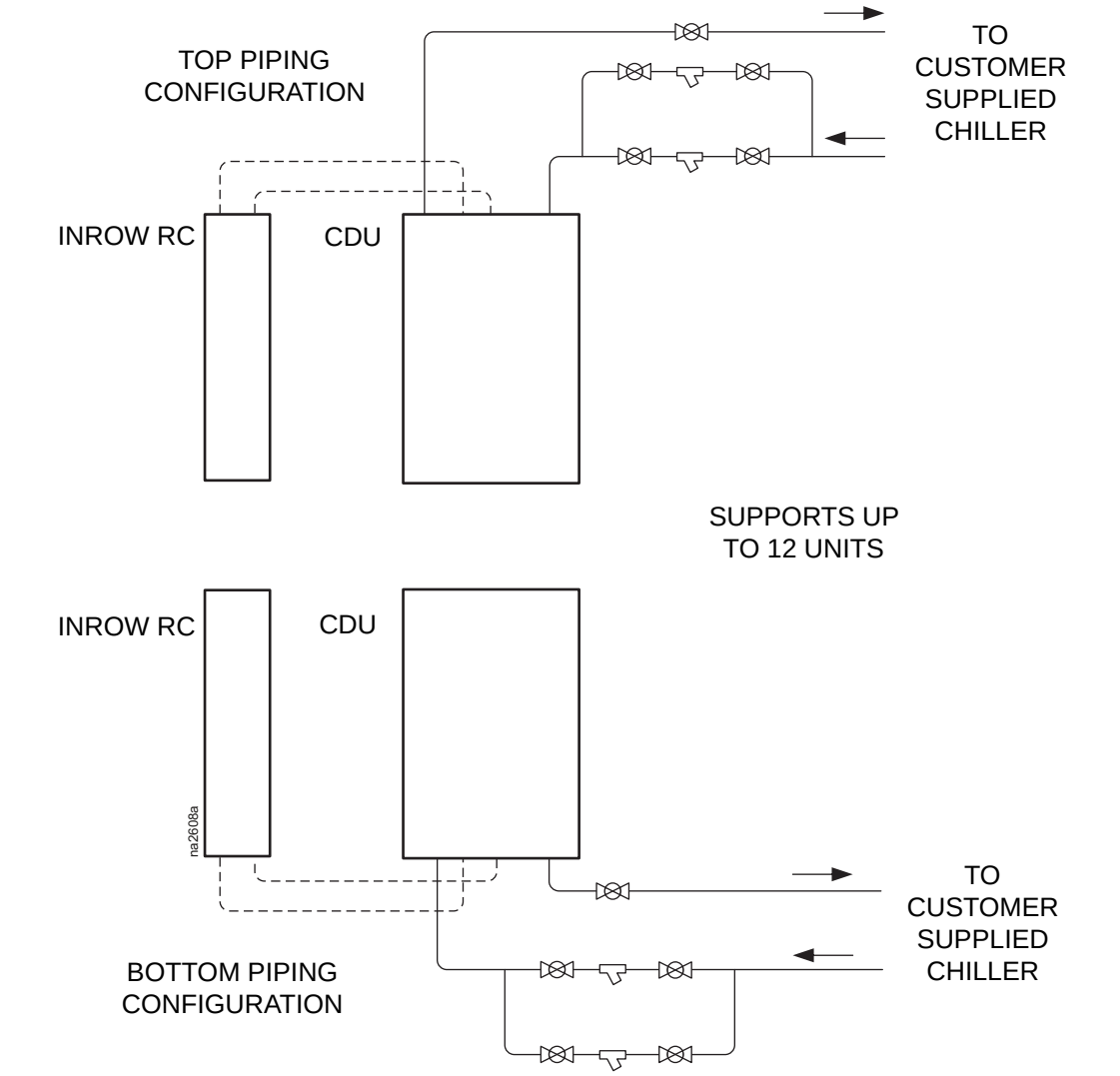
Item	Description
❶	Outlet water union (top piping option)
❷	Inlet water union (top piping option)
❸	3-way actuator control valve—1 1/4 in.
❹	Flow meter
❺	Bypass shutoff valve—1 in.
❻	Inlet shutoff valve—1 1/4 in.
❼	Drain valve

Item	Description
❽	Outlet water union (bottom piping option)
❾	Inlet water union (bottom piping option)
❿	Coil
⓫	Circulation pump (optional)
⓬	Circulation pump check valve (optional)

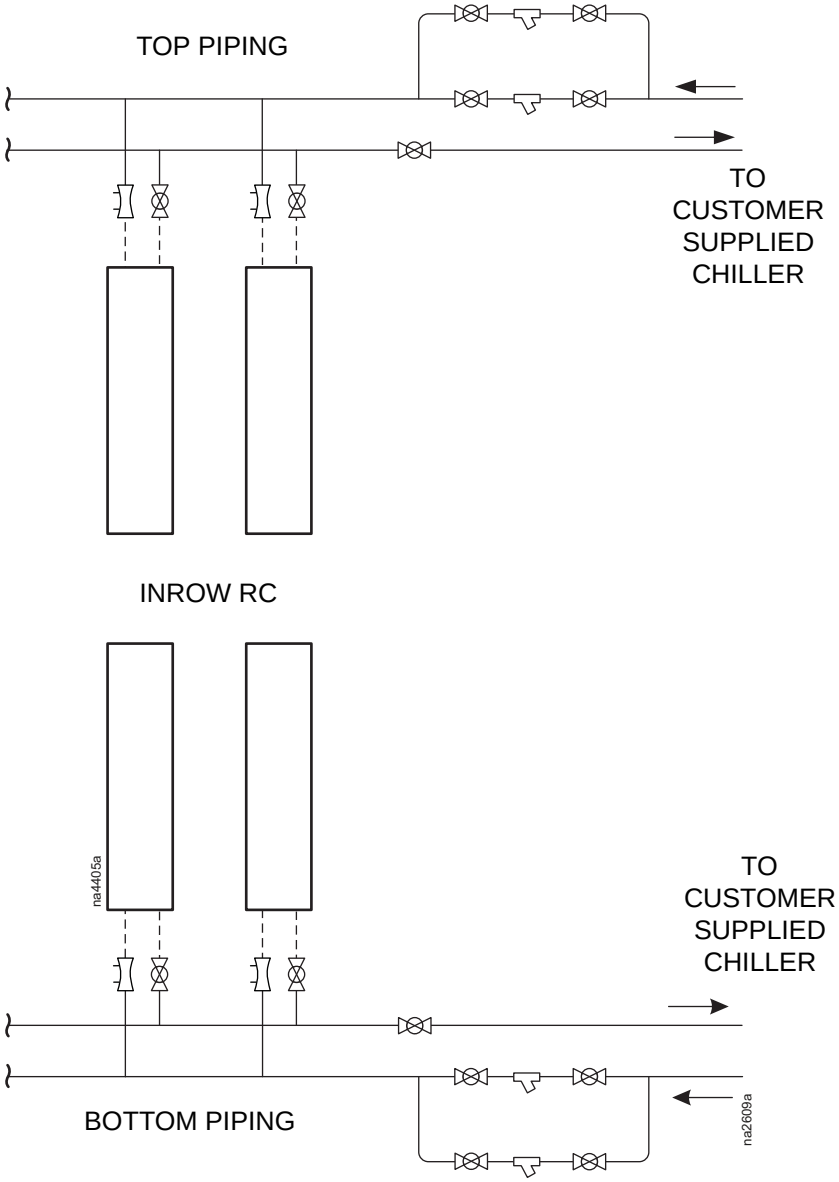
ACRC301 series

With Cooling Distribution Unit (CDU): A CDU is only used with ACRC301S units

.



Without CDU



Flex hose or copper

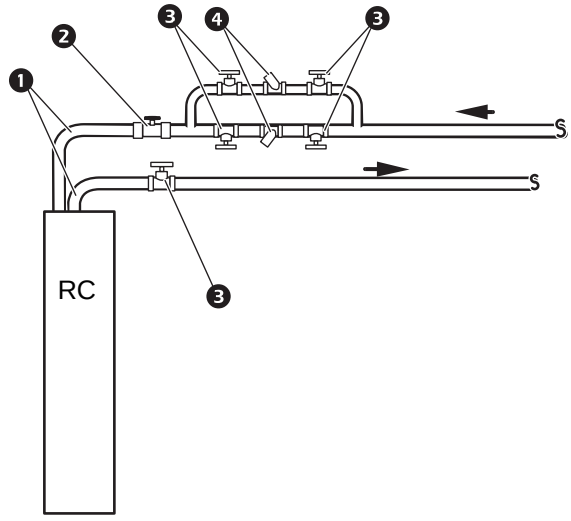
Copper tubing

Circuit setter

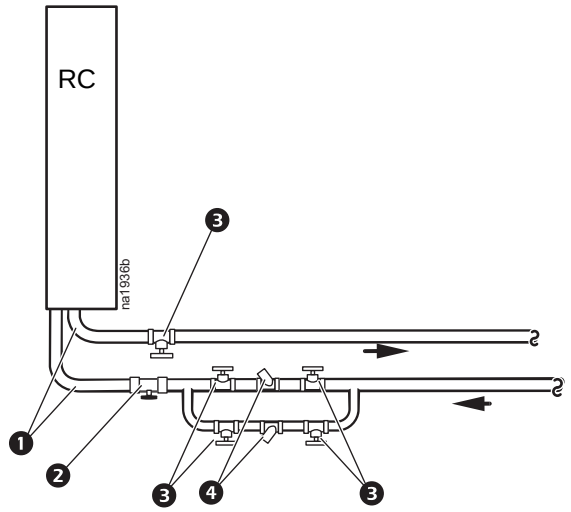
Strainer with 20 mesh screen (field installed)

Shutoff valve (field-installed)

Top piping without CDU



Bottom piping without CDU



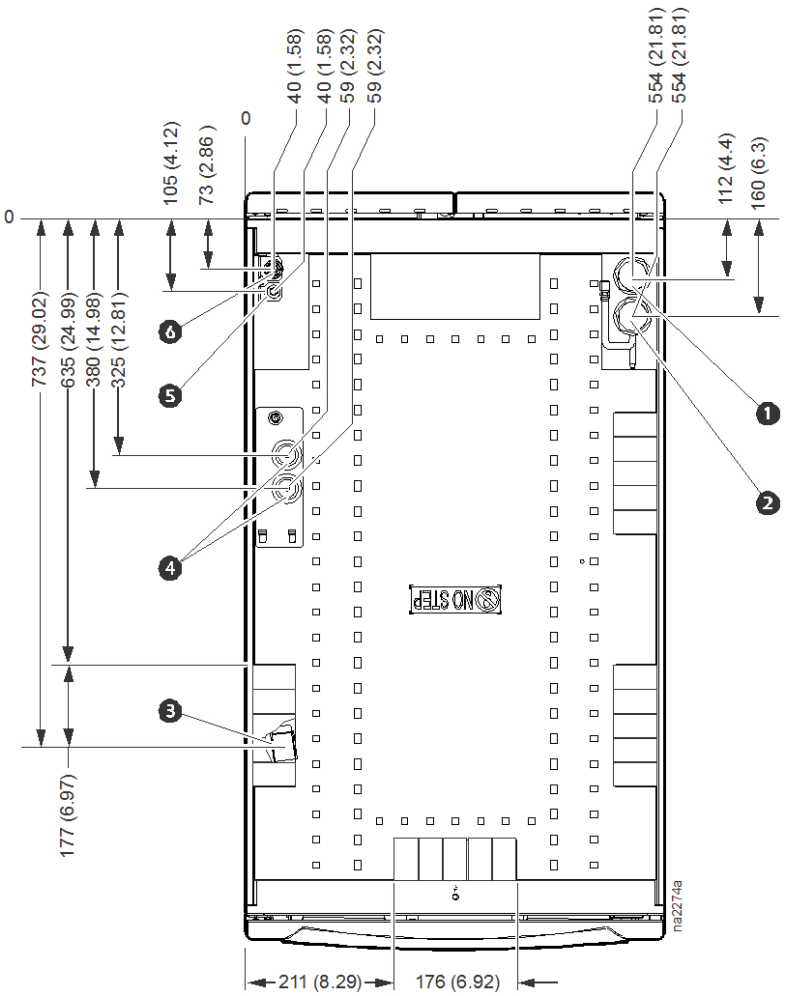
Item	Description	Item	Description
❶	Flexible piping adapters*	❸	Shutoff valve (field-installed)
❷	Balancing valve (field-installed)	❹	Y-strainer with 20-mesh screen (field-installed)**

*Recommended at these locations when the equipment is connected to rigid piping. Consult local codes for proper installation.
**A redundant strainer in the bypass line is recommended for systems with possible debris or heavy particulates during system startup and normal operation.

Top chilled water piping access (top view)

NOTE: Top or bottom entry can be selected individually for each type of connection, i.e., power, condensate drain, humidifier water supply, chilled water supply, and chilled water return. Top piping configuration will have the same valves and strainers as the bottom piping configuration.

REAR—HOT AISLE



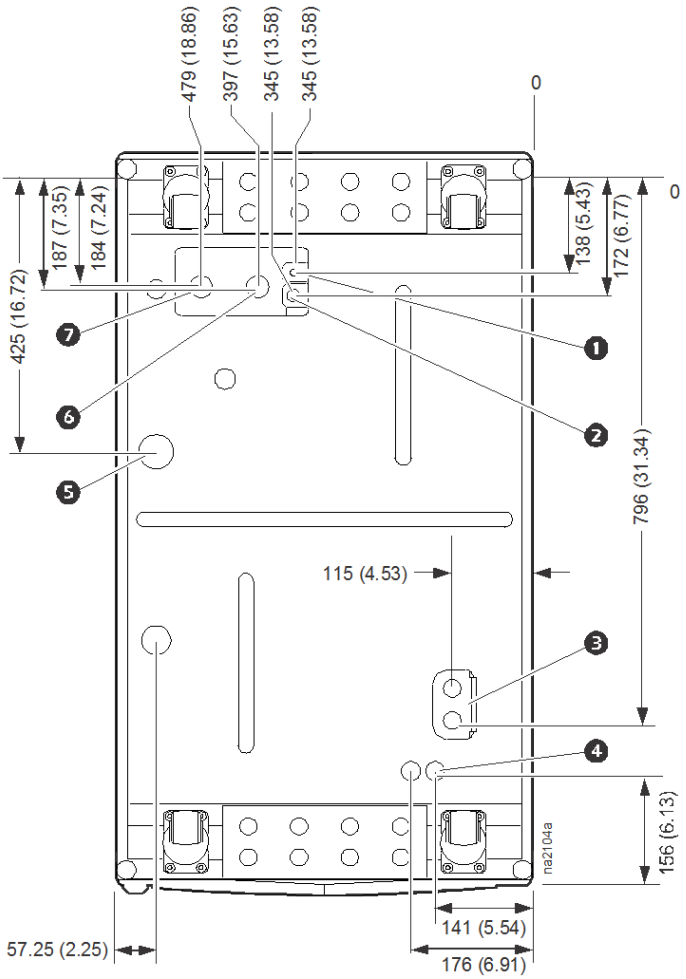
FRONT—COLD AISLE

Note: Dimensions are shown in mm (in.).

Item	Description
❶	NPSM (supply/inlet) from chiller
❷	NPSM (return/outlet) to chiller
❸	Trough for communication cables
❹	Power connections—dual feed
❺	Humidifier supply (ACRC600P series only)
❻	Condensate drain

Bottom piping and power access locations (bottom view, looking up)

REAR—HOT AISLE



FRONT—COLD AISLE

Item	Description
❶	Humidifier supply (ACRC600P series only)
❷	Condensate drain
❸	Power connections—dual feed
❹	Communication connections
❺	Condensate overflow
❻	NPSM (supply/inlet) from chiller
❼	NPSM (return/outlet) to chiller

Facility Planning

Model	ACRC 301S	ACRC 301H	ACRC 600	ACRC 601	ACRC 602	ACRC 600P	ACRC 601P	ACRC 602P
Input Voltage	100–240	208–230	200–240	460–480	380–415	200–240	460–480	380–415
Phases	1	1	3	3	3	3	3	3
Frequency	50/60	50/60	50/60	60	50/60	50/60	50/60	60
Total NET Capacity – kW (BTU/hr)*	23.5 (80,000)	39.0 (133,000)	45 (154,000)	45 (154,000)	45 (154,000)	45 (154,000)	45 (154,000)	45 (154,000)
Sensible NET Capacity – kW (BTU/hr) *	23.5 (80,000)	39.0 (133,000)	43.7 (159,000)	43.7 (159,000)	43.7 (159,000	43.7 (159,000)	43.7 (159,000)	43.7 (159,000)
Chilled Water Flow Rate – GPM (l/s)*	13.8 (0.87)	25.3 (1.59)	26.4 (1.7)	26.4 (1.7)	26.4 (1.7)	26.4 (1.7)	26.4 (1.7)	26.4 (1.7)
Chilled Water Pressure Drop – kPa (ft H_2O)*	40.76 (13.7)	59.08 (19.8)	68 (22.6)	22.6 (68)	22.6 (68)	22.6 (68)	22.6 (68)	22.6 (68)
Cabinet Width – mm (in.)	300 (11.81)	300 (11.81)	600 (23.62)	600 23.62	600 23.62	600 23.62	600 23.62	600 23.62
Cabinet Depth – mm (in.)	1095 (43.11)	1095 (43.11)	1070 (42.13)	1070 (42.13)	1070 (42.13)	1070 (42.13)	1070 (42.13)	1070 (42.13)
Cabinet Height – mm (in.)	1991 (78.39)	1991 (78.39)	1991 (78.39)	1991 (78.39)	1991 (78.39)	1991 (78.39)	1991 (78.39)	1991 (78.39)
Net Weight – kg (lbs)	184 (406)	210 (463)	345 (760)	345 (760)	345 (760)	352 (776)	352 (776)	352 (776)
Operating Weight – kg (lbs)	192 (423)	220 (485)	363 (800)	363 (800)	363 (800)	370 (816)	370 (816)	370 (816)
Power Connection Type	Plug	Hardwired	Hardwired**	Hardwired	Hardwired***	Hard-wired	Hard-wired	Hard-wired
Plug Type	NEMA L5-20P/ IEC 309-16A	N/A	NEMA L21-20P	N/A	IEC 309-16A	N/A	N/A	N/A
FLA (Full Load Amps)****	11	12	N/A	N/A	6.0	N/A	N/A	24.0
MCA (Minimum Current Amps)****	N/A	15	11.0	7.0	N/A	42.0	22.0	N/A
MOP (Maximum Overvoltage Protection)****	N/A	15	15.0	15.0	N/A	40.0	20.0	N/A
Power Connection Quantity.	2	2	2	2	2	2	2	2
Features/Options								
Fan Type	EC Axial	EC Axial	BI ECM	BI ECM	BI ECM	BI ECM	BI ECM	BI ECM
Maximum Airflow – l/s (CFM)	1510 (3200)	1982 (4200)	2832 (6000)	2832 (6000)	2832 (6000)	2832 (6000)	2832 (6000)	2832 (6000)
Fan Control	Variable Speed	Variable Speed	Variable Speed	Variable Speed	Variable Speed	Variable Speed	Variable Speed	Variable Speed
Fan Quantity	8	8	3	3	3	3	3	3
Hot Swappable Fans	Yes	Yes	No	No	No	No	No	No
Hot Aisle Containment Compatible	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Rack Air Containment Compatible	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Chilled Water Control Valve	2-way / 3-way	2-way / 3-way	2-way / 3-way	2-way / 3-way	2-way / 3-way	2-way / 3-way	2-way 3-way	2-way / 3-way

Model	ACRC 301S	ACRC 301H	ACRC 600	ACRC 601	ACRC 602	ACRC 600P	ACRC 601P	ACRC 602P
Network Management Card	Included	Included	Included	Included	Included	Included	Included	Included
Standard Filter Type	1/2-in. Washable	1/2-in. Washable	4-in. Pleated	4-in. Pleated	4-in. Pleated	4-in. Pleated	4-in. Pleated	4-in. Pleated
Standard Filter Efficiency	< 20%	< 20%	30%	30%	30%	30%	30%	30%
Optional Filter Type	2-in. Pleated	2-in. Pleated	4-in Pleated	4-in Pleated	4-in Pleated	4-in Pleated	4-in Pleated	4-in Pleated
Optional Filter Efficiency	30%	30%	85%	85%	85%	85%	85%	85%
Condensate Pump	Included	N/A	Included	Included	Included	Included	Included	Included
Humidifier Type	N/A	N/A	N/A	N/A	N/A	Steam Canister	Steam Canister	Steam Canister
Reheat Type	N/A	N/A	N/A	N/A	N/A	S/S Finned Tubular	S/S Finned Tubular	S/S Finned Tubular
Rack Inlet Temperature Sensor Quantity	1	1	3	3	3	3	3	3
Piping Connections	Top or Bottom	Top or Bottom	Top or Bottom	Top or Bottom	Top or Bottom	Top or Bottom	Top or Bottom	Top or Bottom
Electrical Connections	Top or Bottom	Top or Bottom	Top or Bottom†	Top or Bottom	Top or Bottom†	Top or Bottom	Top or Bottom	Top or Bottom
CW Flow Meter	Included	Included	Included	Included	Included	Included	Included	Included
Cable Type Water Detector	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional

*Capacity rated at the following conditions:
EFT: 50F (10C) / CW Delta T 6.6°C (12°F)—ACRC301S
EFT: 59F (15C) / CW Delta T 6.6°C (12°F)—ACRC301H
EFT: 45F (7.2C) / CW Delta T 6.6°C (12°F)—ACRC600/ACRC600P Series
**Optional: NEMA L21-20P
***Optional: NEMA IEC-309 16A
****Cells marked N/A indicate that this information is not required because of regional differences in electrical codes.
†Plug connection can only be top wired. Hardwired can be done via the top or bottom of the unit.

Worldwide Customer Support

Customer support for this or any other product is available at no charge in any of the following ways:

- Visit the Schneider Electric Web site to access documents in the Schneider Electric Knowledge Base and to submit customer support requests.
  - **www.schneiderelectric.com** (Corporate Headquarters)
    Connect to localized Schneider Electric Web sites for specific countries, each of which provides customer support information.
  - **www.schneiderelectric.com/support/**
    Global support searching Schneider Electric Knowledge Base and using e-support.
- Contact the Schneider Electric Customer Support Center by telephone or e-mail.
  - Local, country-specific centers: go to **www.schneiderelectric.com > Support > Operations around the world** for contact information.

For information on how to obtain local customer support, contact the representative or other distributors from whom you purchased your product.

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