

APCY-H SERIES

Air-Cooled Screw Chillers



R-134a
REFRIGERANT



Range 80 TR to 520 TR
(280 kW to 1830 kW)
50/60 Hz



ISO 9001
Quality
Management
Systems
CERTIFIED

ISO 14001
Environmental
Management
CERTIFIED

ISO 45001
Occupational
Health and Safety
Management
CERTIFIED

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Legend

The following legends are used throughout this manual:

tonR.....Tons of Refrigeration	US Gal.....US Gallon	Ph.....Phase
kW.....Kilowatt	ft ²Feet Square	Hz.....Hertz
EER.....Energy Efficiency Ratio	m ²Meter Square	°F.....Degree Fahrenheit
COP.....Coefficient of Performance	gpm.....Gallons Per Minute	°C.....Degree Celsius
IPLV.....Integrated Part Load Value	L/s.....Litres per Second	in.....Inch
WFR.....Water Flow Rate	ft H ₂ O.....Feet of Water	mm.....Millimeter
WPD.....Water Pressure Drop	kPa.....Kilopascal	kgs.....Kilograms
LWT.....Leaving Water Temperature	cfm.....Cubic Feet per Minute	lbs.....Pounds
EWT.....Entering Water Temperature	V.....Volts	

Nomenclature

APC Y 5 155 D H Y

	Power Supply Code
Y :	380V/3Ph/50.Hz 400V/3Ph/50.Hz 415V/3Ph/50.Hz
P :	440V/3Ph/50.Hz *
R :	380-400V/3Ph/60.Hz
E :	460V/3Ph/60.Hz
T :	220V/3Ph/60.Hz *
	* (Consult SKM)
H :	High Efficiency
	No. of Refrigeration circuits
D -	Double
T -	Triple
	Nominal Capacity (tonR)
5 :	50.Hz
6 :	60.Hz
Y-version	
	Screw Compressor, R-134a
	Air Cooled
	Packaged Chillers



SKM reserves the right to change, in part or in whole the specifications of its Air Conditioning Equipment at any time in order to add the latest technology. Therefore, the enclosed information may change without any prior notice.

SKM Air Conditioning L.L.C



You name it....We cool it



Introduction

SKM screw chillers are developed to provide the right solution to the increasing requirements of energy savings for both commercial and industrial applications where exceptional reliability is never compromised. These chillers are driven by a cutting-edge screw compressor technology, in addition to the precise machining screw profile it features a high performance and high efficiency with 5 to 6 ratio screw rotor profile designed specifically for modern refrigerant characteristics, double-walled rotor housing, robust in construction and have a very few moving parts to minimize noise and ensure rigidity, Stepless capacity control system and automatic start/unloading are provided as standard. The stepless capacity control provides precise capacity as required by the system load and thus giving higher part load efficiencies.

SKM screw chillers have minimum vibration ideal for vast range of applications including hotels, high-rise buildings, stores, hospitals, and modern cooling applications of modern manufacturing industries. These chillers are designed and manufactured as per SKM Quality, Environment, Occupational, Health and Safety Management Systems that confirms with ISO 9001:2015, ISO 14001:2015, and ISO 45001:2018 and certified in accordance with the AHRI Air-Cooled Water-Chilling Packages Certification Program which is based on AHRI Standard 550/590 (I-P) and AHRI Standard 551/591 (SI). Certified units can be found in AHRI Directory at www.ahridirectory.org.

General Features

High Efficiency at Full Load and Part Load Conditions

SKM Chillers are specifically designed to achieve high energy efficiency in both full load and part-load operations and achieves ASHRAE 90.1 requirement, provide tremendous savings in operating costs by using high efficiency semi hermetic screw compressor due to perfect screw profile and precise machining.

The stepless capacity control provides precise capacity as required by the system load and thus giving higher part load efficiencies. The compressor can be loaded from 25 to 100% of capacity depending upon the requirement through state of the art microprocessor control which precisely monitors the water temperature and accurately modulates the compressor accordingly.

Wide Operating Range

SKM air cooled chillers are designed as standard to operate at a wide range of ambient temperatures from 25°F (-4°C) to 125°F (52°C) with full capacity.

Factory Testing

SKM air cooled chillers are factory tested before delivery and are ready for installation. Complete check in wirings, sensors, electrical and mechanical components, safety operation, controls, set-points, and run test are carried out in order to ensure trouble free operation during start-up at site. After factory run-test, units are fitted with new filter drier core and the evaporator water side is charged with nitrogen.

Main Component Features

Compressor

The compressor used is high performance and high efficiency screw compressors which are with 5 to 6 ratio screw rotor profile designed specifically for modern refrigerant characteristics, double-walled rotor housing, robust in construction and have a very few moving parts to minimize noise and ensure rigidity. Screw Compressors are directly flanged on a three stage oil separator with low oil carry over and pressure drop demister to ensure minimal refrigerant dilution in the oil and maintain high oil viscosity. Oil sight glass, oil drain valve, oil heater, discharge check valve, discharge stop valve are available as standard.

Continuous (Stepless) capacity control system and automatic start/unloading are provided as standard.

All compressors are provided with motor winding temperature protection, discharge temperature protection, phase reversal protection, phase failure protection and oil level protection.



Condenser Coil

Condenser coils are manufactured from seamless Hi-X copper tubes mechanically bonded to aluminum fins to ensure optimum heat transfer. The condenser fins are non-slit suitable even for dusty conditions ensuring ease of maintenance and avoid unit under performance and trip from coil blockage.

Condenser fin materials should be matched with site conditions to inhibit coil corrosion and ensure extended equipment life. Optional condenser fin material protective coating and microchannel condenser are available. (Refer to Factory installed Options list).

Condenser Fan

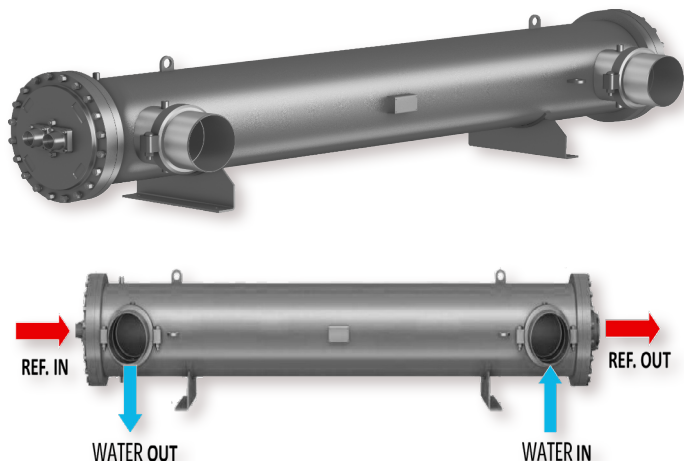
Condenser fans are propeller type with aluminum alloy blades and are directly driven by electric motors. Motors are Totally Enclosed Air Over (TEAO), six pole or four pole with Class F insulation and IP54/55 protection depending on models. Complete fan assembly is provided with fan guard protection.

Evaporator

The evaporators used are direct expansion shell and tube with removable head. Evaporator shell is made of carbon steel, Tubes of copper fixed to steel end plates, baffles are provided in the water flow to increase heat transfer efficiency. Evaporators are provided with drain and vent plugs. Evaporator shell is insulated with 3/4" (19mm) thick flexible closed cell insulation, K factor 0.28 Btu. in/ft².h.°F (0.04W/m.°K).

Maximum working pressure of waterside is 145 psig (1000 kPa) and refrigerant side is 239.3 psig (1650 kPa).

ASME stamped evaporators are available as an option.



Expansion Valve

Electronic expansion valve is used for precise control of refrigerant mass flow. Our electronic expansion valve improves EER (Energy Efficiency Ratio) at full & part-load condition.

Also it improves temperature control & increases the range of operating conditions.

- Stepper motor operated for precise control.
- External parts of the valve are brass and copper meet 2000 hours of salt spray tests per ASTM B-117.
- Maximum working pressure of 620 psig and ambient temperature range of -50°F to 140°F.

Casing and Structure

The unit casing is made of zinc coated galvanized steel sheets conforming to JIS-G 3302 and ASTM A653 which is phosphatized and baked after an electrostatic powder coat of approximately 60 microns. This finish and coating can pass a 1000 hours in 5% salt spray testing at 95°F (35°C) and 95% RH as per ASTM B117.

The units are assembled on rigid structural steel skid channels painted with one coat galvanized primer and one coat black enamel. The package is assembled for easy handling during transportation and robust support during installation and operation.

Refrigerant Piping

The refrigeration circuit piping is fabricated from ACR grade copper piping. Each refrigeration circuit includes filter drier, expansion valve and shut off valve. The refrigeration circuit suction line is insulated with 1/2" (13mm) wall thickness closed cell pipe insulation.

Economizer

SKM Screw Chillers are equipped with economizer. Economizer operation improves both cooling capacity and efficiency by increasing sub-cooling where part of the liquid refrigerant is flashed to an intermediate pressure which is used to cool the remaining liquid refrigerant. This flash refrigerant is then fed into a compressor where it helps to cool the vapour from the main circuit.

The Economizer channel is feeding the flashed refrigerant into the compression chamber of the compressor.

The components of an economizer cycle includes plate type heat exchanger, expansion valve, ECO muffler kit and prescribed valves.

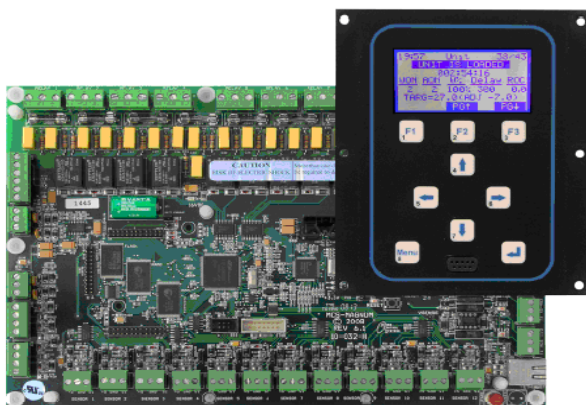


Control Panel

The unit mounted chiller control panel enclosure is fabricated out of heavy gauge sheet steel in phosphatized powder coated baked finish. The enclosure conforms to IP54 as per guidelines in IEC 529. A hinged access door and key-fastener is provided for easy access and security. The panel is factory wired in accordance with NEC 430 & 440, labeled, tagged and features 220V / 240V controls.

- Compressors are with star-delta start.
- Individual compressor and condenser fan motor contactors.
- Thermal magnetic circuit breakers for compressors and condenser fan motors.
- Voltage monitoring module for protection against under voltage, over voltage, phase loss, phase reversal and phase unbalance of the incoming voltage.
- Circuit breaker for control circuit.
- Remote/Off/Local selector switch.
- Microprocessor master board with graphical display.
- Microprocessor expansion boards as required.
- Electronic expansion valve control boards.
- Control Relays.
- Control circuit on/off switch and pump down switches.
- Volt free contacts for run, common fault and auto mode indications.
- Provision for accepting volt free contact for remote start/stop.
- Control terminal blocks and power terminal blocks/bus bars.

Microprocessor Controller



Microprocessor control system is available for SKM Chiller as a standard feature. Our high energy efficient chiller has a full function microprocessor control unit designed to keep the chiller running at its most energy efficient level. It is a rugged microprocessor based controller that is designed for the hostile environment of HVAC industry.

It provides flexibility with set points and control options that can be selected prior to commissioning a system or when the unit is live and functioning. Displays, alarms and other interfaces are accomplished in a clear and simple language that informs the user as to the status of the system. It is designed to safeguard the system that is being controlled, eliminate the need for manual intervention and to provide a simple but meaningful man-machine-interface.

This controller provides complete operational control for the chiller and has built-in auto diagnostic capability that can signal normal operation or alarm conditions as well as shutting down the chiller or system, if necessary.

The Main Features of the controller are as follows:

- A large graphical LCD Display (2.8" diagonal) with back-lit that can be seen in bright or dim lighting.
- A nine button generic keypad that is so user friendly, it rarely requires a reference manual.
- Battery backed up built in real time clock to program the chiller for 2 starts and 2 stops daily to provide the information about the running hours of the compressors.
- Multiple authorization levels to provide tight security of the control system.
- Two operating schedules per each day of the week and 8 holidays.
- The system provides 'last time' enabled & disabled, number of cycles, and total run hours.
- Automatic Lead/Lag changeover of the compressors.
- Pump-down at the beginning and end of every circuit cycle.
- Capacity control based on leaving chilled water temperature. A special control zone based on leaving water temperature that reduces compressor cycling, and improved unit part load efficiency.
- Start/stop facility from remote through Volt Free Contact (VFC).
- Common Run, Fault and remote mode operation status volt free contacts provided for remote signaling.

Display Information

SKM Chillers offer a graphics LCD display which allows the operator to access different parameters of the chiller. Operator can view and change the set point of chiller parameters. The graphical display has lot of features, trending is one of the key features of graphical display, which shows last 25 samples with an appropriate scale to allow it to fit on the display.

The well designed keypad with three function keys, four direction keys and two selection keys allows the operator to navigate through different Menu, such as:

- Status.
- Outputs.
- Inputs.
- Alarms.
- Graphs.
- Setpoint.
- Service tools.
- Lockout Reset.
- Lockout Alarm.
- Password.

System Control Philosophy

The unit may be enabled or disabled manually or through the use of an external signal from a building automation system.

Control is based upon leaving chilled water temperature. How fast the temperature changes is calculated and capacity decisions are based upon the rate, the current temperature, and the control temperature zone.

Capacity is never added if the system is moving toward the temperature target at an acceptable rate. The unit will monitor all control functions and stage the compressor to maintain the required operating capacity.

Easy Accessible Measurements Include:

- Status of the chiller.
- Status of each circuit/compressor.
- Status of condenser fans.
- Leaving and Entering chilled water temperature.
- Suction pressure and temperature for each refrigerant circuit.
- Discharge pressure and temperature for each refrigerant circuit.
- Suction and discharge superheat for each refrigerant circuit.
- Winding temperature for each compressor.
- Ampere draw for each compressor.
- Expansion valve opening percentage.
- Ambient temperature.
- All active set points.
- Run time for each compressor.
- Number of compressor starts.
- Lockout and alarm status.
- Status of water flow switch, voltage monitor, compressor internal motor protector, oil level switch, run/stop input and pump down switches.
- Log of last 100 alarms.
- Lead compressor identification.
- Date and time.
- Graphs of all inputs and outputs.

System Protection

The following system protection controls will automatically act to insure system reliability and protection of the unit.

- Low suction pressure protection.
- High discharge pressure protection.
- High discharge temperature protection.
- Low discharge pressure protection.
- Low oil level protection.
- High compressor motor winding temperature protection.
- Low superheat protection.
- High compressor ampere protection.
- Compressor internal thermal protection.
- Freeze protection.
- Under voltage, over voltage, phase loss, phase reversal and phase unbalance protection.
- Chilled water flow loss protection.
- Sensor error protection.
- Pump down.
- Anti-recycle.
- Time delay between stages.
- 4-Levels of passwords to restrict the intentional mishandling.

Optional Features available for the Micro Controller

PC Support Software

PC software to communicate with microprocessor is available as an optional feature. It can provide both local and remote communications to the chiller microprocessor. This program allows viewing the entire status of chiller, inputs, outputs, set points, alarms, graphs etc.

If there is more than one chiller, these chillers can be connected together via RS-485 network which can support up to 20 chillers. Access to this network can be local, or remote via 14.4K Baud modem. Each chiller in the network must be assigned to a unique address. This address can be changed from the LCD/keypad of the unit or through the PC software. RS 485 transmission should not exceed 1 mile without repeater. For Ethernet communication, it is necessary to use a crossover cable when connected directly to a PC.

This software can run with Windows 7 or newer version.

BMS Communication

BMS communication with the chiller microprocessor is possible through hardwired signals or major BMS protocols.



Hard wired signals

Volt free contacts for Run, Common fault and Auto mode indications and provision for remote start/stop are provided as standard feature. In addition to these, below options can be provided if specified.

- Emergency Stop – A volt free contact from BMS to chiller, which is normally closed and opens on an emergency shut down condition. It will make the chiller to shut down immediately bypassing normal shut down procedure.
- Chilled water reset – A 0-5VDC signal from BMS to chiller, which allows resetting chilled water set point around an acceptable range.

BMS protocols

The chiller controller can be configured to interface with the common building management system protocols such as Modbus RTU, Modbus TCP/IP or BacNet IP which are built-in and do not require any additional hardware/gateway.

For interacting the chiller microprocessor with BMS protocols such as LonTalk, BacNet MSTP or Johnson N2, an optional gateway interface is required.

BMS interface allows to monitor the status of chiller and individual circuits, all inputs and outputs, chilled water set point etc.

Factory Installed Options

Alternative Condenser Material

Made of copper tubes and alternative fin material and/or protective coats.

- Condenser coil with Pre Coated Aluminum fins, specify **(FAP)**.
- Condenser coil with Aeris Coated Aluminum fins, specify **(FAA)**.
- Condenser coil with Copper fins, specify **(FC)**.
- Condenser coil with Aeris Coated copper fins, specify **(FCA)**.

Microchannel Condenser Coils **(MCHE)**

Optional Micro Channel Condenser coil for improved galvanic corrosion resistant due to single material and reduced unit weight & refrigerant charge.

Microchannel Condenser Coils with Aries Coating **(MCHEA)**

Condenser Coil Guard **(CGP)**

Galvanized wire mesh guard with painted finish for condenser coils. Recommended on ground level installations where coil needs to be protected against vandalism.

ASME Stamped Evaporator **(ASE)**

Shell and Tube evaporator with ASME stamp.

Evaporator Casing **(ECA/ECG/ECS)**

Evaporator enclosed in a casing of Aluminium /Galvanized Steel / Stainless Steel, and injected with polyurethane foam 1.5" (38mm) insulation thickness.

Pressure Guages (Suction / Discharge) **(SDG1)**

Suction & discharge pressure indication of each refrigerant circuit. Gauges are mounted outside the Control Panel.

Extra Shut Off Valve **(XFV)**

Extra Shut off valve in liquid line to fully isolate the filter drier.

Pressure Relief Valve **(PRV)**

To protect the chiller from hi-pressure in the event of failure of primary high pressure safety mechanisms.

Compressor & Evaporator Guard **(CEG)**

Powder coated galvanized welded mesh guard to protect Compressor, Evaporator & other piping accessories.

Compressor Sound Enclosure **(CSE)**

Compressor sound enclosure with insulated panels is mounted around the compressor, to reduce sound.

Suction Shut off Valve **(SSOV)**

Screw compressors are with suction shut off valves to isolate the compressor from the evaporator, this may be beneficial when servicing the chiller.

Marine Paint **(MP)**

Marine Painting on casing and steel structure, to improve corrosion resistance in coastal environments and off-shore locations. (Consult SKM)

Galvanized Frame **(GFB)**

Hot dip galvanized steel frame and base.
(Consult SKM)

Ammeter & Phase Selector Switch **(AMPC)**

To indicate running AMPS of each compressor.

Ammeter & Phase Selector switch **(AMPI)**

To indicate running AMPS on main incomer of a chiller.

BMS Interface thru protocol **(BMSP)**

For interacting the chiller microprocessor with BMS protocols such as LonTalk, BACnet MSTP or Johnson N2.

Voltage Monitoring Module as per DEWA (DVM)

Under voltage relay as per DEWA specification. This option is available for Dubai, UAE only.

Evaporator Freeze Up Protection (EFP)

Heating cable with thermostat to prevent evaporator freeze-up where low ambient temperatures below 32°F (0°C) are anticipated with/out chiller operation.

IP55 Control Panel Enclosure (ICP)

Control Panel for special applications to meet IP55 requirements.

Main Isolator (ISO1)

Main Isolator with Door interlock.

Soft Starter (SFS)

Compressors will be started using electronic solid state soft starters that will ramp up the speed of the compressors to rated speed within few seconds thus reducing the mechanical & electrical stresses .

Voltmeter & Selector Switch (VSS)

For incoming line voltage.

Touch Screen Interface Monitor (TSIM)

Optional touchscreen interface designed to provide user with both graphics and service mode access.

Options for Field Installation**Anti-vibration mounts, spring type**

Recommended for roof mounted units or other locations in the vicinity of occupied spaces, where noise/vibration may be objectionable. Can be supplied loose for site installation.

- Anti-vibration mounts for Condenser coil with Aluminum fins (CAVM).
- Anti-vibration mounts for Condenser coil with Copper fins (FCVM).
- Anti-vibration mounts for Micro channel Condenser coil (MCHEVM).

Hi-Lo Pressure Gauges-Loose (CSDG1)

Without piping or isolating pet cocks.

Victaulic Coupling Kit (VCK)

Coupling kit for Evaporator Water Connection.



General Data - 50.hz

Model	-	APCY5080DH	APCY5085DH	APCY5090DH	APCY5095DH	APCY5105DH	APCY5115DH	APCY5125DH	APCY5130DH
Compressor	-	Semi Hermetic, Screw							
Quantity	#	2	2	2	2	2	2	2	2
Oil Charge(CPI Solest 220)	US Gal	3.7 / 3.7 / -	4.2 / 3.7 / -	4.2 / 4.2 / -	4.2 / 4.2 / -	4.2 / 4.2 / -	4.2 / 4.2 / -	4.2 / 4.2 / -	4.2 / 4.2 / -
Ckt (A / B / C)	Litre	14 / 14 / -	16 / 14 / -	16 / 16 / -	16 / 16 / -	16 / 16 / -	16 / 16 / -	16 / 16 / -	16 / 16 / -
Condenser Coil	-	Air Cooled 4 rows, 14 fpi (1.81mm) fin spacing, copper tubes Aluminum fins							
Face Area	ft ²	156.0	156.0	156.0	156.0	208.0	208.0	208.0	208.0
	m ²	14.49	14.49	14.49	14.49	19.32	19.32	19.32	19.32
Condenser Fan	-	Propeller Direct Drive							
Fan size x Quantity	-	800 x 6	800 x 6	800 x 6	800 x 6	800 x 8	800 x 8	800 x 8	800 x 8
Fan Motor	-	Totally enclosed air over, Class F insulation, 6 pole, IP - 55 protected							
Air Flow Rate	cfm	67,224	67,224	67,224	67,224	89,632	89,632	89,632	89,632
	L/s	31,726	31,726	31,726	31,726	42,302	42,302	42,302	42,302
Evaporator	-	Direct Expansion Shell and Tube							
Quantity	#	1	1	1	1	1	1	1	1
Water Volume	US Gal	29.10	29.10	29.10	29.10	31.50	31.50	39.40	39.40
	Litre	110.0	110.0	110.0	110.0	119.2	119.2	149.0	149.0
Refrigerant Circuits	#	2	2	2	2	2	2	2	2
Refrigerant Charge (A / B / C)	lbs	139.1 / 139.1 / -	139.1 / 139.1 / -	139.1 / 139.1 / -	139.1 / 139.1 / -	176.8 / 176.8 / -	183.7 / 176.8 / -	184.1 / 184.1 / -	184.1 / 184.1 / -
Fin and Tube (Standard)	kgs	63.10 / 63.10 / -	63.10 / 63.10 / -	63.10 / 63.10 / -	63.10 / 63.10 / -	80.19 / 80.19 / -	83.29 / 80.19 / -	83.47 / 83.47 / -	83.47 / 83.47 / -
Refrigerant Charge (A / B / C)	lbs	62.86 / 62.86 / -	62.86 / 62.86 / -	62.86 / 62.86 / -	62.86 / 62.86 / -	75.12 / 75.12 / -	81.96 / 75.12 / -	82.38 / 82.38 / -	82.38 / 82.38 / -
Microchannel (MCHE Option)	kgs	28.51 / 28.51 / -	28.51 / 28.51 / -	28.51 / 28.51 / -	28.51 / 28.51 / -	34.07 / 34.07 / -	37.17 / 34.07 / -	37.36 / 37.36 / -	37.36 / 37.36 / -

Model	-	APCY5250DH	APCY5265DH	APCY5285DH	APCY5300DH	APCY5325DH	APCY5345DH	APCY5365TH	APCY5380TH
Compressor	-	Semi Hermetic, Screw							
Quantity	#	2	2	2	2	2	2	3	3
Oil Charge(CPI Solest 220)	US Gal	6.9 / 6.1 / -	6.9 / 6.9 / -	7.4 / 6.9 / -	7.4 / 7.4 / -	7.4 / 7.4 / -	7.4 / 7.4 / -	6.9 / 6.1 / 6.1	6.9 / 6.9 / 6.1
Ckt (A / B / C)	Litre	26 / 23 / -	26 / 26 / -	28 / 26 / -	28 / 28 / -	28 / 28 / -	28 / 28 / -	26 / 23 / 23	26 / 26 / 23
Condenser Coil	-	Air Cooled 4 rows, 14 fpi (1.81mm) fin spacing, copper tubes Aluminum fins							
Face Area	ft ²	364.0	364.0	416.0	416.0	468.0	468.0	520.0	520.0
	m ²	33.82	33.82	38.65	38.65	43.48	43.48	48.31	48.31
Condenser Fan	-	Propeller Direct Drive							
Fan size x Quantity	-	800 x 14	800 x 14	800 x 16	800 x 16	800 x 18	800 x 18	800 x 20	800 x 20
Fan Motor	-	Totally enclosed air over, Class F insulation, 6 pole, IP - 55 protected							
Air Flow Rate	cfm	156,856	156,856	179,264	179,264	201,672	201,672	224,080	224,080
	L/s	74,028	74,028	84,603	84,603	95,179	95,179	105,754	105,754
Evaporator	-	Direct Expansion Shell and Tube							
Quantity	#	1	1	1	1	1	1	1	1
Water Volume	US Gal	74.80	74.80	94.20	94.20	94.20	94.20	114.1	114.1
	Litre	283.0	283.0	356.6	356.6	356.6	356.6	431.9	431.9
Refrigerant Circuits	#	2	2	2	2	2	2	3	3
Refrigerant Charge (A / B / C)	lbs	315.1 / 314.0 / -	315.1 / 315.1 / -	353.7 / 353.7 / -	353.7 / 353.7 / -	390.9 / 390.9 / -	390.9 / 390.9 / -	352.6 / 276.9 / 276.9	315.3 / 315.3 / 276.9
Fin and Tube (Standard)	kgs	142.9 / 142.4 / -	142.9 / 142.9 / -	160.4 / 160.4 / -	160.4 / 160.4 / -	177.3 / 177.3 / -	177.3 / 177.3 / -	159.9 / 125.6 / 125.6	143.0 / 143.0 / 125.6
Refrigerant Charge (A / B / C)	lbs	137.1 / 136.2 / -	137.1 / 137.1 / -	150.2 / 150.2 / -	150.2 / 150.2 / -	162.1 / 162.1 / -	162.1 / 162.1 / -	149.2 / 124.4 / 124.4	137.3 / 137.3 / 124.4
Microchannel (MCHE Option)	kgs	62.18 / 61.75 / -	62.18 / 62.18 / -	68.14 / 68.14 / -	68.14 / 68.14 / -	73.53 / 73.53 / -	73.53 / 73.53 / -	67.65 / 56.43 / 56.43	62.25 / 62.25 / 56.43

Table 1

General Data - 50.hz

Model	-	APCY5140DH	APCY5155DH	APCY5165DH	APCY5175DH	APCY5185DH	APCY5195DH	APCY5210DH	APCY5230DH
Compressor	-	Semi Hermetic, Screw							
Quantity	#	2	2	2	2	2	2	2	2
Oil Charge(CPI Solest 220)	US Gal	4.2 / 4.2 / -	4.2 / 4.2 / -	4.5 / 4.2 / -	4.5 / 4.5 / -	5 / 4.5 / -	5 / 5 / -	6.1 / 5 / -	6.1 / 6.1 / -
Ckt (A / B / C)	Litre	16 / 16 / -	16 / 16 / -	17 / 16 / -	17 / 17 / -	19 / 17 / -	19 / 19 / -	23 / 19 / -	23 / 23 / -
Condenser Coil	-	Air Cooled 4 rows, 14 fpi (1.81mm) fin spacing, copper tubes Aluminum fins							
Face Area	ft ²	260.0	260.0	260.0	260.0	260.0	312.0	312.0	312.0
	m ²	24.15	24.15	24.15	24.15	24.15	28.99	28.99	28.99
Condenser Fan	-	Propeller Direct Drive							
Fan size x Quantity	-	800 x 10	800 x 10	800 x 10	800 x 10	800 x 10	800 x 12	800 x 12	800 x 12
Fan Motor	-	Totally enclosed air over, Class F insulation, 6 pole, IP - 55 protected							
Air Flow Rate	cfm	112,040	112,040	112,040	112,040	112,040	134,448	134,448	134,448
	L/s	52,877	52,877	52,877	52,877	52,877	63,452	63,452	63,452
Evaporator	-	Direct Expansion Shell and Tube							
Quantity	#	1	1	1	1	1	1	1	1
Water Volume	US Gal	39.40	62.60	62.60	62.60	62.60	62.60	62.60	74.80
	Litre	149.0	237.0	237.0	237.0	237.0	237.0	237.0	283.0
Refrigerant Circuits	#	2	2	2	2	2	2	2	2
Refrigerant Charge (A / B / C)	lbs	221.4 / 221.4 / -	222.5 / 222.5 / -	222.5 / 222.5 / -	222.5 / 222.5 / -	223.4 / 222.5 / -	260.6 / 260.6 / -	275.6 / 260.6 / -	276.7 / 276.7 / -
Fin and Tube (Standard)	kgs	100.4 / 100.4 / -	100.9 / 100.9 / -	100.9 / 100.9 / -	100.9 / 100.9 / -	101.3 / 100.9 / -	118.2 / 118.2 / -	125.0 / 118.2 / -	125.5 / 125.5 / -
Refrigerant Charge (A / B / C)	lbs	94.29 / 94.29 / -	95.43 / 95.43 / -	95.43 / 95.43 / -	95.43 / 95.43 / -	96.23 / 95.43 / -	108.1 / 108.1 / -	123.1 / 108.1 / -	124.3 / 124.3 / -
Microchannel (MCHE Option)	kgs	42.76 / 42.76 / -	43.28 / 43.28 / -	43.28 / 43.28 / -	43.28 / 43.28 / -	43.64 / 43.28 / -	49.03 / 49.03 / -	55.85 / 49.03 / -	56.35 / 56.35 / -

Model	-	APCY5395TH	APCY5410TH	APCY5425TH	APCY5455TH	APCY5475TH	APCY5495TH	APCY5520TH
Compressor	-	Semi Hermetic, Screw						
Quantity	#	3	3	3	3	3	3	3
Oil Charge(CPI Solest 220)	US Gal	6.9 / 6.9 / 6.9	7.4 / 6.9 / 6.9	7.4 / 7.4 / 6.9	7.4 / 7.4 / 7.4	7.4 / 7.4 / 7.4	7.4 / 7.4 / 7.4	7.4 / 7.4 / 7.4
Ckt (A / B / C)	Litre	26 / 26 / 26	28 / 26 / 26	28 / 28 / 26	28 / 28 / 28	28 / 28 / 28	28 / 28 / 28	28 / 28 / 28
Condenser Coil	-	Air Cooled 4 rows, 14 fpi (1.81mm) fin spacing, copper tubes Aluminum fins						
Face Area	ft ²	572.0	572.0	624.0	624.0	780.0	780.0	780.0
	m ²	53.14	53.14	57.97	57.97	72.46	72.46	72.46
Condenser Fan	-	Propeller Direct Drive						
Fan size x Quantity	-	800 x 22	800 x 22	800 x 24	800 x 24	800 x 24	800 x 24	800 x 24
Fan Motor	-	Totally enclosed air over, Class F insulation, 6 pole, IP - 55 protected						
Air Flow Rate	cfm	246,488	246,488	268,896	268,896	278,592	278,592	278,592
	L/s	116,329	116,329	126,905	126,905	131,481	131,481	131,481
Evaporator	-	Direct Expansion Shell and Tube						
Quantity	#	1	1	1	1	1	1	1
Water Volume	US Gal	114.1	114.1	114.1	172.0	172.0	172.0	163.5
	Litre	431.9	431.9	431.9	651.1	651.1	651.1	618.9
Refrigerant Circuits	#	3	3	3	3	3	3	3
Refrigerant Charge (A / B / C)	lbs	352.6 / 315.3 / 315.3	352.6 / 315.3 / 315.3	352.6 / 352.6 / 352.6	353.5 / 353.5 / 353.5	431.3 / 431.3 / 431.3	431.3 / 431.3 / 431.3	432.2 / 432.2 / 432.2
Fin and Tube (Standard)	kgs	159.9 / 143.0 / 143.0	159.9 / 143.0 / 143.0	159.9 / 159.9 / 159.9	160.3 / 160.3 / 160.3	195.6 / 195.6 / 195.6	195.6 / 195.6 / 195.6	196.0 / 196.0 / 196.0
Refrigerant Charge (A / B / C)	lbs	149.2 / 137.3 / 137.3	149.2 / 137.3 / 137.3	149.2 / 149.2 / 149.2	150.2 / 150.2 / 150.2	185.9 / 185.9 / 185.9	185.9 / 185.9 / 185.9	186.6 / 186.6 / 186.6
Microchannel (MCHE Option)	kgs	67.65 / 62.25 / 62.25	67.65 / 62.25 / 62.25	67.65 / 67.65 / 67.65	68.10 / 68.10 / 68.10	84.32 / 84.32 / 84.32	84.32 / 84.32 / 84.32	84.64 / 84.64 / 84.64

Table 2



General Data - 60.hz

Model	-	APCY6095DH	APCY6100DH	APCY6110DH	APCY6115DH	APCY6125DH	APCY6135DH	APCY6145DH	APCY6160DH
Compressor	-	Semi Hermetic, Screw							
Quantity	#	2	2	2	2	2	2	2	2
Oil Charge(CPI Solest 220)	US Gal	3.7 / 3.7 / -	4.2 / 3.7 / -	4.2 / 4.2 / -	4.2 / 4.2 / -	4.2 / 4.2 / -	4.2 / 4.2 / -	4.2 / 4.2 / -	4.2 / 4.2 / -
Ckt (A / B / C)	Litre	14 / 14 / -	16 / 14 / -	16 / 16 / -	16 / 16 / -	16 / 16 / -	16 / 16 / -	16 / 16 / -	16 / 16 / -
Condenser Coil	-	Air Cooled 4 rows, 14 fpi (1.81mm) fin spacing, copper tubes Aluminum fins							
Face Area	ft ²	156.0	156.0	156.0	182.0	208.0	208.0	208.0	260.0
	m ²	14.49	14.49	14.49	16.91	19.32	19.32	19.32	24.15
Condenser Fan	-	Propeller Direct Drive							
Fan size x Quantity	-	800 x 6	800 x 6	800 x 6	800 x 7	800 x 8	800 x 8	800 x 8	800 x 10
Fan Motor	-	Totally enclosed air over, Class F insulation, 6 pole, IP - 55 protected							
Air Flow Rate	cfm	77,190	77,190	77,190	90,055	102,920	102,920	102,920	128,650
	L/s	36,430	36,430	36,430	42,501	48,573	48,573	48,573	60,716
Evaporator	-	Direct Expansion Shell and Tube							
Quantity	#	1	1	1	1	1	1	1	1
Water Volume	US Gal	29.10	31.50	31.50	31.50	39.40	39.40	39.40	62.60
	Litre	110.0	119.2	119.2	119.2	149.0	149.0	149.0	237.0
Refrigerant Circuits	#	2	2	2	2	2	2	2	2
Refrigerant Charge (A / B / C)	lbs	139.1 / 139.1 / -	139.5 / 139.5 / -	139.5 / 139.5 / -	176.8 / 139.5 / -	177.2 / 177.2 / -	184.1 / 177.2 / -	184.1 / 184.1 / -	222.5 / 222.5 / -
Fin and Tube (Standard)	kgs	63.10 / 63.10 / -	63.26 / 63.26 / -	63.26 / 63.26 / -	80.19 / 63.26 / -	80.37 / 80.37 / -	83.47 / 80.37 / -	83.47 / 83.47 / -	100.9 / 100.9 / -
Refrigerant Charge (A / B / C)	lbs	62.86 / 62.86 / -	63.24 / 63.24 / -	63.24 / 63.24 / -	75.12 / 63.24 / -	75.54 / 75.54 / -	82.38 / 75.54 / -	82.38 / 82.38 / -	95.43 / 95.43 / -
Microchannel (MCHE Option)	kgs	28.51 / 28.51 / -	28.68 / 28.68 / -	28.68 / 28.68 / -	34.07 / 28.68 / -	34.26 / 34.26 / -	37.36 / 34.26 / -	37.36 / 37.36 / -	43.28 / 43.28 / -

Model	-	APCY6260DH	APCY6275DH	APCY6300DH	APCY6320DH	APCY6340DH	APCY6360DH	APCY6385DH	APCY6405DH
Compressor	-	Semi Hermetic, Screw							
Quantity	#	2	2	2	2	2	2	2	2
Oil Charge(CPI Solest 220)	US Gal	6.1 / 5 / -	6.1 / 6.1 / -	6.9 / 6.1 / -	6.9 / 6.9 / -	7.4 / 6.9 / -	7.4 / 7.4 / -	7.4 / 7.4 / -	7.4 / 7.4 / -
Ckt (A / B / C)	Litre	23 / 19 / -	23 / 23 / -	26 / 23 / -	26 / 26 / -	28 / 26 / -	28 / 28 / -	28 / 28 / -	28 / 28 / -
Condenser Coil	-	Air Cooled 4 rows, 14 fpi (1.81mm) fin spacing, copper tubes Aluminum fins							
Face Area	ft ²	364.0	364.0	416.0	416.0	468.0	468.0	520.0	520.0
	m ²	33.82	33.82	38.65	38.65	43.48	43.48	48.31	48.31
Condenser Fan	-	Propeller Direct Drive							
Fan size x Quantity	-	800 x 14	800 x 14	800 x 16	800 x 16	800 x 18	800 x 18	800 x 20	800 x 20
Fan Motor	-	Totally enclosed air over, Class F insulation, 6 pole, IP - 55 protected							
Air Flow Rate	cfm	180,110	180,110	205,840	205,840	231,570	231,570	257,300	257,300
	L/s	85,002	85,002	97,146	97,146	109,289	109,289	121,432	121,432
Evaporator	-	Direct Expansion Shell and Tube							
Quantity	#	1	1	1	1	1	1	1	1
Water Volume	US Gal	74.80	74.80	94.20	94.20	94.20	94.20	94.20	94.20
	Litre	283.0	283.0	356.6	356.6	356.6	356.6	356.6	356.6
Refrigerant Circuits	#	2	2	2	2	2	2	2	2
Refrigerant Charge (A / B / C)	lbs	314.0 / 299.0 / -	314.0 / 314.0 / -	353.7 / 352.6 / -	353.7 / 353.7 / -	390.9 / 390.9 / -	390.9 / 390.9 / -	428.2 / 428.2 / -	428.2 / 428.2 / -
Fin and Tube (Standard)	kgs	142.4 / 135.6 / -	142.4 / 142.4 / -	160.4 / 159.9 / -	160.4 / 160.4 / -	177.3 / 177.3 / -	177.3 / 177.3 / -	194.2 / 194.2 / -	194.2 / 194.2 / -
Refrigerant Charge (A / B / C)	lbs	136.2 / 121.1 / -	136.2 / 136.2 / -	150.2 / 149.3 / -	150.2 / 150.2 / -	162.1 / 162.1 / -	162.1 / 162.1 / -	174.0 / 174.0 / -	174.0 / 174.0 / -
Microchannel (MCHE Option)	kgs	61.75 / 54.93 / -	61.75 / 61.75 / -	68.14 / 67.71 / -	68.14 / 68.14 / -	73.53 / 73.53 / -	73.53 / 73.53 / -	78.93 / 78.93 / -	78.93 / 78.93 / -

Table 3

General Data - 60.hz

Model	-	APCY6170DH	APCY6185DH	APCY6195DH	APCY6205DH	APCY6220DH	APCY6230DH	APCY6240DH
Compressor	-	Semi Hermetic, Screw						
Quantity	#	2	2	2	2	2	2	2
Oil Charge(CPI Solest 220)	US Gal	4.2/4.2/-	4.2/4.2/-	4.5/4.2/-	4.5/4.5/-	5/4.5/-	5/5/-	5/5/-
Ckt (A / B / C)	Litre	16/16/-	16/16/-	17/16/-	17/17/-	19/17/-	19/19/-	19/19/-
Condenser Coil	-	Air Cooled 4 rows, 14 fpi (1.81mm) fin spacing, copper tubes Aluminum fins						
Face Area	ft ²	260.0	260.0	260.0	260.0	312.0	312.0	312.0
	m ²	24.15	24.15	24.15	24.15	28.99	28.99	28.99
Condenser Fan	-	Propeller Direct Drive						
Fan size x Quantity	-	800 x 10	800 x 10	800 x 10	800 x 10	800 x 12	800 x 12	800 x 12
Fan Motor	-	Totally enclosed air over, Class F insulation, 6 pole, IP - 55 protected						
Air Flow Rate	cfm	128,650	128,650	128,650	128,650	154,380	154,380	154,380
	L/s	60,716	60,716	60,716	60,716	72,859	72,859	72,859
Evaporator	-	Direct Expansion Shell and Tube						
Quantity	#	1	1	1	1	1	1	1
Water Volume	US Gal	62.60	62.60	62.60	62.60	62.60	62.60	74.80
	Litre	237.0	237.0	237.0	237.0	237.0	237.0	283.0
Refrigerant Circuits	#	2	2	2	2	2	2	2
Refrigerant Charge (A / B / C)	lbs	222.5 / 222.5 / -	222.5 / 222.5 / -	222.5 / 222.5 / -	222.5 / 222.5 / -	260.6 / 260.0 / -	260.6 / 260.6 / -	261.7 / 261.7 / -
Fin and Tube (Standard)	kgs	100.9 / 100.9 / -	100.9 / 100.9 / -	100.9 / 100.9 / -	100.9 / 100.9 / -	118.2 / 117.9 / -	118.2 / 118.2 / -	118.7 / 118.7 / -
Refrigerant Charge (A / B / C)	lbs	95.43 / 95.43 / -	95.43 / 95.43 / -	95.43 / 95.43 / -	95.43 / 95.43 / -	108.1 / 107.3 / -	108.1 / 108.1 / -	109.2 / 109.2 / -
Microchannel (MCHE Option)	kgs	43.28 / 43.28 / -	43.28 / 43.28 / -	43.28 / 43.28 / -	43.28 / 43.28 / -	49.03 / 48.68 / -	49.03 / 49.03 / -	49.53 / 49.53 / -

Model	-	APCY6410TH	APCY6425TH	APCY6445TH	APCY6465TH	APCY6480TH	APCY6495TH	APCY6510TH
Compressor	-	Semi Hermetic, Screw						
Quantity	#	3	3	3	3	3	3	3
Oil Charge(CPI Solest 220)	US Gal	6.1/6.1/6.1	6.9/6.1/6.1	6.9/6.9/6.1	6.9/6.9/6.9	7.4/6.9/6.9	7.4/7.4/6.9	7.4/7.4/7.4
Ckt (A / B / C)	Litre	23/23/23	26/23/23	26/26/23	26/26/26	28/26/26	28/28/26	28/28/28
Condenser Coil	-	Air Cooled 4 rows, 14 fpi (1.81mm) fin spacing, copper tubes Aluminum fins						
Face Area	ft ²	572.0	572.0	624.0	624.0	624.0	624.0	624.0
	m ²	53.14	53.14	57.97	57.97	57.97	57.97	57.97
Condenser Fan	-	Propeller Direct Drive						
Fan size x Quantity	-	800 x 22	800 x 22	800 x 24	800 x 24	800 x 24	800 x 24	800 x 24
Fan Motor	-	Totally enclosed air over, Class F insulation, 6 pole, IP - 55 protected						
Air Flow Rate	cfm	283,030	283,030	308,760	308,760	308,760	308,760	308,760
	L/s	133,575	133,575	145,718	145,718	145,718	145,718	145,718
Evaporator	-	Direct Expansion Shell and Tube						
Quantity	#	1	1	1	1	1	1	1
Water Volume	US Gal	114.1	114.1	114.1	114.1	114.1	114.1	114.1
	Litre	431.9	431.9	431.9	431.9	431.9	431.9	431.9
Refrigerant Circuits	#	3	3	3	3	3	3	3
Refrigerant Charge (A / B / C)	lbs	351.7 / 314.2 / 314.2	352.6 / 314.2 / 314.2	352.6 / 352.6 / 351.7	352.6 / 352.6 / 352.6	352.6 / 352.6 / 352.6	352.6 / 352.6 / 352.6	352.6 / 352.6 / 352.6
Fin and Tube (Standard)	kgs	159.5 / 142.5 / 142.5	159.9 / 142.5 / 142.5	159.9 / 159.9 / 159.5	159.9 / 159.9 / 159.9	159.9 / 159.9 / 159.9	159.9 / 159.9 / 159.9	159.9 / 159.9 / 159.9
Refrigerant Charge (A / B / C)	lbs	148.2 / 136.3 / 136.3	149.2 / 136.3 / 136.3	149.2 / 149.2 / 148.2	149.2 / 149.2 / 149.2	149.2 / 149.2 / 149.2	149.2 / 149.2 / 149.2	149.2 / 149.2 / 149.2
Microchannel (MCHE Option)	kgs	67.22 / 61.83 / 61.83	67.65 / 61.83 / 61.83	67.65 / 67.65 / 67.22	67.65 / 67.65 / 67.65	67.65 / 67.65 / 67.65	67.65 / 67.65 / 67.65	67.65 / 67.65 / 67.65

Table 4



capacity ratings - 50.hz (IP)

Model	LCWT °F	Condenser Entering Air Dry Bulb °F																	
		85.00						95.00						105.0					
		Capacity	Total Power ⁽²⁾	Fan Power ⁽²⁾	EER	WFR	WPD	Capacity	Total Power ⁽²⁾	Fan Power ⁽²⁾	EER	WFR	WPD	Capacity	Total Power ⁽²⁾	Fan Power ⁽²⁾	EER	WFR	WPD
		ton _s	kW	kW	Btu / W.h	gpm	ft H ₂ O	ton _s	kW	kW	Btu / W.h	gpm	ft H ₂ O	ton _s	kW	kW	Btu / W.h	gpm	ft H ₂ O
APCY517SDH	40.00	166.6	154.9	15.00	12.90	399.9	9.10	161.4	176.5	15.00	10.97	387.4	8.50	155.6	200.9	15.00	9.295	373.5	8.00
	42.00	172.9	156.5	15.00	13.25	415.0	9.70	167.5	178.5	15.00	11.26	402.0	9.20	161.5	203.3	15.00	9.534	387.7	8.60
	44.00	178.2	157.9	15.00	13.54	427.7	10.3	172.7	180.2	15.00	11.50	414.6	9.71	166.7	205.4	15.00	9.740	400.1	9.10
	45.00	181.7	158.8	15.00	13.73	436.2	10.7	176.2	181.4	15.00	11.66	423.0	10.1	170.2	206.8	15.00	9.879	408.6	9.50
	48.00	190.7	161.2	15.00	14.19	457.8	11.7	185.1	184.3	15.00	12.05	444.2	11.0	178.9	210.2	15.00	10.21	429.4	10.4
APCY518SDH	40.00	176.6	167.4	15.00	12.65	423.8	10.1	170.9	190.8	15.00	10.75	410.3	9.50	164.7	217.3	15.00	9.097	395.3	8.90
	42.00	183.4	169.3	15.00	12.99	440.1	10.9	177.5	193.2	15.00	11.02	426.1	10.2	171.1	220.1	15.00	9.328	410.7	9.50
	44.00	189.0	170.9	15.00	13.26	453.6	11.5	183.0	195.2	15.00	11.25	439.4	10.8	176.5	222.5	15.00	9.522	423.7	10.1
	45.00	192.6	171.9	15.00	13.43	462.2	11.9	186.6	196.5	15.00	11.39	448.0	11.2	180.2	224.0	15.00	9.649	432.4	10.5
	48.00	202.2	174.8	15.00	13.87	485.3	13.0	196.1	199.9	15.00	11.76	470.6	12.3	189.4	228.0	15.00	9.967	454.6	11.5
APCY519SDH	40.00	188.8	173.0	18.00	13.09	453.1	11.5	183.0	196.8	18.00	11.15	439.3	10.8	176.6	224.0	18.00	9.463	423.9	10.1
	42.00	196.2	174.7	18.00	13.47	471.1	12.3	190.3	199.0	18.00	11.47	456.7	11.6	183.7	226.6	18.00	9.727	440.9	10.9
	44.00	202.2	176.1	18.00	13.78	485.4	13.0	196.2	200.8	18.00	11.72	471.0	12.2	189.5	228.8	18.00	9.940	454.9	11.5
	45.00	206.0	177.0	18.00	13.96	494.4	13.4	199.9	202.0	18.00	11.87	479.9	12.7	193.2	230.1	18.00	10.07	463.8	12.0
	48.00	216.4	179.5	18.00	14.46	519.4	14.7	210.2	205.1	18.00	12.29	504.4	13.9	203.3	233.8	18.00	10.43	487.9	13.1
APCY5210DH	40.00	202.3	190.1	18.00	12.76	485.5	13.0	195.9	216.5	18.00	10.85	470.3	12.3	188.9	246.5	18.00	9.197	453.5	11.5
	42.00	210.4	192.3	18.00	13.13	505.1	14.0	203.9	219.3	18.00	11.15	489.4	13.2	196.7	249.7	18.00	9.449	472.0	12.3
	44.00	216.8	194.0	18.00	13.41	520.4	14.7	210.2	221.4	18.00	11.39	504.5	13.9	202.9	252.3	18.00	9.648	486.9	13.1
	45.00	220.6	195.1	18.00	13.57	529.6	15.2	214.0	222.7	18.00	11.52	513.7	14.4	206.7	253.9	18.00	9.770	496.2	13.5
	48.00	231.9	198.2	18.00	14.04	556.6	16.7	225.0	226.5	18.00	11.92	540.2	15.8	217.5	258.3	18.00	10.10	522.1	14.8
APCY5230DH	40.00	222.6	210.2	18.00	12.71	534.4	9.80	215.5	239.7	18.00	10.78	517.2	9.20	207.6	273.1	18.00	9.121	498.2	8.60
	42.00	230.6	212.6	18.00	13.01	553.5	10.5	223.3	242.7	18.00	11.03	536.0	9.90	215.3	276.6	18.00	9.339	516.7	9.20
	44.00	238.7	215.1	18.00	13.31	573.1	11.2	231.3	245.8	18.00	11.29	555.2	10.5	223.1	280.1	18.00	9.566	535.5	9.90
	45.00	242.8	216.4	18.00	13.46	582.8	11.6	235.3	247.3	18.00	11.41	564.7	10.9	227.0	281.9	18.00	9.663	544.8	10.2
	48.00	255.3	220.4	18.00	13.89	612.7	12.7	247.5	252.0	18.00	11.78	594.1	12.0	239.1	287.2	18.00	9.986	573.8	11.2
APCY5250DH	40.00	240.1	221.6	21.00	13.00	576.3	11.3	232.6	252.4	21.00	11.05	558.3	10.7	224.3	287.4	21.00	9.366	538.4	10.0
	42.00	248.7	223.8	21.00	13.33	597.0	12.1	241.1	255.3	21.00	11.33	578.7	11.4	232.7	290.8	21.00	9.600	558.4	10.7
	44.00	257.6	226.2	21.00	13.66	618.2	12.9	249.8	258.3	21.00	11.61	599.5	12.2	241.2	294.3	21.00	9.834	578.9	11.4
	45.00	262.0	227.4	21.00	13.82	628.8	13.3	254.1	259.7	21.00	11.73	609.9	12.6	245.4	296.0	21.00	9.950	589.1	11.8
	48.00	275.5	231.2	21.00	14.29	661.3	14.7	267.4	264.2	21.00	12.14	641.9	13.9	258.6	301.3	21.00	10.29	620.6	13.0
APCY5265DH	40.00	254.6	240.9	21.00	12.68	611.1	12.7	246.5	274.6	21.00	10.77	591.7	11.9	237.6	312.7	21.00	9.115	570.2	11.1
	42.00	263.7	243.6	21.00	12.99	633.0	13.5	255.5	278.0	21.00	11.02	613.2	12.7	246.4	316.7	21.00	9.335	591.4	11.9
	44.00	273.1	246.4	21.00	13.29	655.5	14.4	264.7	281.4	21.00	11.29	635.3	13.6	255.4	320.8	21.00	9.555	613.0	12.7
	45.00	277.8	247.8	21.00	13.44	666.8	14.9	269.3	283.1	21.00	11.41	646.3	14.1	259.9	322.8	21.00	9.663	623.9	13.2
	48.00	292.2	252.3	21.00	13.89	701.3	16.4	283.4	288.5	21.00	11.79	680.3	15.5	273.8	328.9	21.00	9.990	657.2	14.5
APCY5285DH	40.00	277.2	253.8	24.00	13.10	665.3	6.80	268.5	289.2	24.00	11.14	644.4	6.40	258.9	329.2	24.00	9.436	621.4	5.90
	42.00	287.3	256.5	24.00	13.43	689.6	7.30	278.5	292.6	24.00	11.42	668.4	6.90	268.7	333.2	24.00	9.676	645.0	6.40
	44.00	297.4	259.3	24.00	13.76	713.8	7.80	288.3	295.9	24.00	11.69	692.1	7.33	278.3	337.2	24.00	9.906	668.1	6.80
	45.00	302.0	260.5	24.00	13.90	724.8	8.00	292.8	297.4	24.00	11.81	702.7	7.50	282.6	338.9	24.00	10.00	678.4	7.10
	48.00	313.8	263.8	24.00	14.27	753.2	8.50	304.2	301.3	24.00	12.11	730.2	8.10	293.7	343.3	24.00	10.26	705.0	7.60
APCY5300DH	40.00	291.9	273.3	24.00	12.82	700.7	7.50	282.6	311.4	24.00	10.88	678.3	7.10	272.3	354.7	24.00	9.213	653.6	6.60
	42.00	302.4	276.4	24.00	13.13	725.9	8.00	293.0	315.3	24.00	11.14	703.2	7.60	282.6	359.3	24.00	9.438	678.2	7.10
	44.00	313.2	279.6	24.00	13.44	751.8	8.50	303.5	319.3	24.00	11.41	728.5	8.05	292.8	363.8	24.00	9.657	702.8	7.50
	45.00	318.2	281.1	24.00	13.58	763.6	8.70	308.3	321.1	24.00	11.52	739.9	8.30	297.4	365.9	24.00	9.755	713.9	7.80
	48.00	330.9	285.1	24.00	13.93	794.3	9.30	320.6	325.7	24.00	11.81	769.6	8.90	309.4	371.1	24.00	10.00	742.5	8.30
APCY5325DH	40.00	313.7	290.0	27.00	12.98	753.0	8.50	303.9	330.3	27.00	11.04	729.3	8.10	293.0	375.9	27.00	9.351	703.2	7.50
	42.00	324.8	293.0	27.00	13.30	779.6	9.10	314.9	334.1	27.00	11.30	755.7	8.60	303.9	380.5	27.00	9.583	729.4	8.10
	44.00	336.6	296.2	27.00	13.63	807.9	9.60	326.4	338.1	27.00	11.58	783.4	9.13	315.1	385.2	27.00	9.817	756.4	8.60
	45.00	342.1	297.8	27.00	13.78	821.2	9.90	331.7	339.9	27.00	11.71	796.2	9.40	320.3	387.3	27.00	9.923	768.8	8.80
	48.00	356.5	301.8	27.00	14.17	855.7	10.6	345.6	344.8	27.00	12.02	829.6	10.1	333.7	392.8	27.00	10.19	801.0	9.50

Table 7

Notes:

- Capacity ratings are based on following condition. Evaporator Water Temperature Change: 10°F Evaporator Fouling Factor: 0.000100 h ft².°F/Btu.
- Total power mentioned in this page should not be used for cable or fuse selection. Unit Maximum running current given in the electrical data pages (44 to 48) should be referred for the same.

capacity ratings - 50.hz (IP)

Model	LCWT °F	Condenser Entering Air Dry Bulb °F																	
		115.0						118.4						125.0					
		Capacity ton _e	Total Power ⁽²⁾ kW	Fan Power ⁽²⁾ kW	EER Btu / W.h	WFR gpm	WPD ft H ₂ O	Capacity ton _e	Total Power ⁽²⁾ kW	Fan Power ⁽²⁾ kW	EER Btu / W.h	WFR gpm	WPD ft H ₂ O	Capacity ton _e	Total Power ⁽²⁾ kW	Fan Power ⁽²⁾ kW	EER Btu / W.h	WFR gpm	WPD ft H ₂ O
APCY5175DH	40.00	149.3	228.3	15.00	7.848	358.3	7.30	147.0	238.2	15.00	7.405	352.9	7.10	142.4	258.6	15.00	6.609	341.8	6.70
	42.00	155.0	231.0	15.00	8.052	372.0	7.90	152.6	241.0	15.00	7.599	366.4	7.70	147.9	261.6	15.00	6.786	355.0	7.20
	44.00	160.1	233.4	15.00	8.233	384.3	8.40	157.7	243.6	15.00	7.772	378.6	8.20	153.0	264.3	15.00	6.947	367.2	7.70
	45.00	163.7	235.0	15.00	8.356	392.8	8.80	161.3	245.3	15.00	7.892	387.2	8.50	156.6	266.2	15.00	7.059	375.8	8.10
	48.00	172.1	238.9	15.00	8.647	413.2	9.70	169.7	249.3	15.00	8.170	407.4	9.40	164.8	270.4	15.00	7.315	395.7	8.90
APCY5185DH	40.00	157.9	246.9	15.00	7.673	378.9	8.20	155.4	257.7	15.00	7.237	373.0	7.90	150.4	279.7	15.00	6.454	361.1	7.40
	42.00	164.0	250.1	15.00	7.872	393.7	8.80	161.5	261.0	15.00	7.427	387.7	8.60	156.4	283.1	15.00	6.628	375.4	8.00
	44.00	169.4	252.8	15.00	8.042	406.6	9.40	166.9	263.8	15.00	7.591	400.5	9.10	161.7	286.1	15.00	6.781	388.1	8.60
	45.00	173.1	254.6	15.00	8.157	415.4	9.70	170.5	265.7	15.00	7.701	409.3	9.50	165.4	288.2	15.00	6.886	397.0	8.90
	48.00	182.1	259.0	15.00	8.435	437.1	10.7	179.5	270.3	15.00	7.968	430.8	10.4	174.2	293.1	15.00	7.133	418.1	9.90
APCY5195DH	40.00	169.6	254.4	18.00	7.999	407.0	9.40	167.0	265.5	18.00	7.549	400.9	9.10	161.9	288.1	18.00	6.742	388.5	8.60
	42.00	176.4	257.4	18.00	8.224	423.4	10.1	173.8	268.6	18.00	7.764	417.1	9.80	168.5	291.4	18.00	6.938	404.4	9.30
	44.00	182.2	259.9	18.00	8.411	437.2	10.7	179.5	271.2	18.00	7.944	430.9	10.4	174.2	294.2	18.00	7.105	418.1	9.90
	45.00	185.9	261.5	18.00	8.533	446.3	11.1	183.3	272.9	18.00	8.061	440.0	10.8	178.0	296.0	18.00	7.215	427.2	10.3
	48.00	195.8	265.6	18.00	8.844	469.9	12.2	193.1	277.1	18.00	8.360	463.4	11.9	187.6	300.5	18.00	7.491	450.3	11.3
APCY5210DH	40.00	181.2	280.1	18.00	7.764	435.0	10.6	178.5	292.3	18.00	7.326	428.4	10.3	172.8	317.3	18.00	6.537	414.9	9.70
	42.00	188.7	283.7	18.00	7.982	453.0	11.4	185.9	296.1	18.00	7.533	446.1	11.1	180.1	321.2	18.00	6.727	432.3	10.5
	44.00	194.8	286.7	18.00	8.156	467.7	12.1	192.0	299.1	18.00	7.701	460.8	11.8	186.1	324.5	18.00	6.884	446.8	11.2
	45.00	198.7	288.5	18.00	8.266	477.0	12.6	195.8	301.0	18.00	7.807	470.1	12.2	190.1	326.6	18.00	6.984	456.2	11.6
	48.00	209.3	293.4	18.00	8.560	502.4	13.8	206.4	306.1	18.00	8.089	495.3	13.5	200.4	332.0	18.00	7.245	481.1	12.8
APCY5230DH	40.00	198.9	310.2	18.00	7.694	477.4	7.90	195.8	323.7	18.00	7.258	469.9	7.70	189.5	351.2	18.00	6.475	454.8	7.20
	42.00	206.5	314.2	18.00	7.886	495.6	8.50	203.3	327.8	18.00	7.442	488.0	8.20	196.9	355.5	18.00	6.647	472.7	7.70
	44.00	214.1	318.2	18.00	8.077	514.0	9.10	210.9	332.0	18.00	7.626	506.3	8.90	204.5	359.9	18.00	6.817	490.8	8.30
	45.00	218.0	320.1	18.00	8.170	523.2	9.40	214.8	334.0	18.00	7.716	515.5	9.20	208.2	362.1	18.00	6.901	499.8	8.60
	48.00	229.8	326.2	18.00	8.456	551.7	10.4	226.5	340.2	18.00	7.991	543.8	10.2	219.9	368.7	18.00	7.156	527.8	9.60
APCY5250DH	40.00	215.2	326.5	21.00	7.911	516.6	9.20	212.0	340.7	21.00	7.466	508.8	8.90	205.3	368.7	21.00	6.666	492.9	8.40
	42.00	223.4	330.4	21.00	8.115	536.3	9.90	220.1	344.8	21.00	7.661	528.3	9.60	213.4	374.1	21.00	6.847	512.3	9.10
	44.00	231.8	334.3	21.00	8.320	556.4	10.6	228.4	348.9	21.00	7.857	548.3	10.3	221.6	378.4	21.00	7.028	532.0	9.70
	45.00	236.0	336.3	21.00	8.420	566.4	11.0	232.6	350.9	21.00	7.954	558.3	10.7	225.7	380.6	21.00	7.117	541.8	10.1
	48.00	248.9	342.2	21.00	8.727	597.4	12.1	245.4	357.1	21.00	8.247	589.0	11.8	238.4	387.2	21.00	7.389	572.2	11.2
APCY5265DH	40.00	227.7	355.3	21.00	7.691	546.6	10.3	224.2	370.8	21.00	7.255	538.2	10.0	217.1	402.4	21.00	6.473	521.0	9.40
	42.00	236.4	359.9	21.00	7.883	567.4	11.0	232.8	375.6	21.00	7.439	558.8	10.7	225.6	407.5	21.00	6.643	541.5	10.1
	44.00	245.3	364.5	21.00	8.075	588.7	11.8	241.6	380.3	21.00	7.624	580.0	11.5	234.3	412.6	21.00	6.814	562.3	10.8
	45.00	249.7	366.8	21.00	8.170	599.4	12.2	246.0	382.7	21.00	7.715	590.6	11.9	238.6	415.1	21.00	6.898	572.8	11.2
	48.00	263.4	373.7	21.00	8.457	632.1	13.5	259.6	389.9	21.00	7.990	623.1	13.1	252.0	422.8	21.00	7.152	604.9	12.4
APCY5285DH	40.00	248.3	373.9	24.00	7.969	596.0	5.40	244.5	390.2	24.00	7.520	586.9	5.20	236.9	423.4	24.00	6.713	568.5	4.80
	42.00	258.1	378.6	24.00	8.180	619.4	5.90	254.2	395.1	24.00	7.722	610.2	5.70	246.5	428.6	24.00	6.901	591.6	5.30
	44.00	267.4	383.0	24.00	8.379	641.9	6.30	263.5	399.6	24.00	7.913	632.4	6.10	255.6	433.4	24.00	7.077	613.4	5.70
	45.00	271.6	384.9	24.00	8.467	651.9	6.50	267.6	401.6	24.00	7.996	642.3	6.30	259.6	435.5	24.00	7.153	623.1	5.90
	48.00	282.3	389.8	24.00	8.689	677.5	7.00	278.2	406.7	24.00	8.209	667.7	6.80	269.9	440.8	24.00	7.348	647.9	6.40
APCY5300DH	40.00	261.0	403.0	24.00	7.772	626.4	6.00	256.9	420.5	24.00	7.331	616.6	5.80	248.7	456.3	24.00	6.540	596.9	5.40
	42.00	271.2	408.2	24.00	7.971	650.8	6.50	267.0	426.0	24.00	7.523	641.0	6.30	258.8	462.1	24.00	6.720	621.1	5.90
	44.00	281.1	413.2	24.00	8.163	674.7	7.00	276.9	431.1	24.00	7.707	664.7	6.80	268.4	467.5	24.00	6.890	644.3	6.40
	45.00	285.6	415.5	24.00	8.248	685.5	7.20	281.3	433.4	24.00	7.789	675.3	7.00	272.8	469.9	24.00	6.965	654.7	6.60
	48.00	297.1	421.2	24.00	8.465	713.1	7.70	292.7	439.3	24.00	7.996	702.6	7.50	283.9	476.0	24.00	7.156	681.4	7.10
APCY5325DH	40.00	281.0	427.0	27.00	7.898	674.5	7.00	276.7	445.6	27.00	7.452	664.2	6.80	268.0	483.4	27.00	6.653	643.3	6.30
	42.00	291.9	432.3	27.00	8.102	700.5	7.50	287.5	451.1	27.00	7.648	690.1	7.30	278.8	489.4	27.00	6.835	669.1	6.90
	44.00	302.8	437.6	27.00	8.304	726.8	8.00	298.4	456.6	27.00	7.842	716.2	7.80	289.4	495.2	27.00	7.013	694.7	7.40
	45.00	307.8	440.0	27.00	8.395	738.8	8.30	303.3	459.0	27.00	7.929	728.0	8.00	294.2	497.8	27.00	7.093	706.2	7.60
	48.00	320.7	446.0	27.00	8.628	769.8	8.90	316.1	465.3	27.00	8.151	758.6	8.60	306.7	504.4	27.00	7.295	736.1	8.20

Table 8

Notes:

- Capacity ratings are based on following condition. Evaporator Water Temperature Change: 10°F Evaporator Fouling Factor: 0.000100 h ft² °F/Btu .
- Total power mentioned in this page should not be used for cable or fuse selection. Unit Maximum running current given in the electrical data pages (44 to 48) should be referred for the same.



capacity ratings - 50.hz (IP)

Model	LCWT °F	Condenser Entering Air Dry Bulb °F																	
		85.00						95.00						105.0					
		Capacity	Total Power ⁽²⁾	Fan Power ⁽²⁾	EER	WFR	WPD	Capacity	Total Power ⁽²⁾	Fan Power ⁽²⁾	EER	WFR	WPD	Capacity	Total Power ⁽²⁾	Fan Power ⁽²⁾	EER	WFR	WPD
		ton _s	kW	kW	Btu / W.h	gpm	ft H ₂ O	ton _s	kW	kW	Btu / W.h	gpm	ft H ₂ O	ton _s	kW	kW	Btu / W.h	gpm	ft H ₂ O
APCY534SDH	40.00	332.5	314.7	27.00	12.67	797.9	9.40	321.8	358.7	27.00	10.76	772.3	8.90	310.0	408.4	27.00	9.109	744.1	8.40
	42.00	343.9	318.2	27.00	12.97	825.4	10.0	333.2	363.0	27.00	11.01	799.7	9.50	321.4	413.6	27.00	9.324	771.3	8.90
	44.00	356.6	322.0	27.00	13.28	855.8	10.6	345.5	367.7	27.00	11.28	829.4	10.0	333.4	419.1	27.00	9.547	800.2	9.50
	45.00	362.6	323.9	27.00	13.43	870.2	10.9	351.4	370.0	27.00	11.39	843.3	10.3	339.0	421.6	27.00	9.649	813.7	9.70
	48.00	378.3	328.9	27.00	13.80	908.1	11.7	366.6	375.8	27.00	11.70	879.8	11.1	353.7	428.2	27.00	9.910	848.9	10.4
APCY5365TH	40.00	350.8	326.3	30.00	12.90	842.0	9.20	340.0	372.0	30.00	10.96	816.1	8.70	328.1	423.7	30.00	9.292	787.4	8.10
	42.00	362.5	329.5	30.00	13.20	870.0	9.70	351.4	376.0	30.00	11.21	843.5	9.20	339.2	428.4	30.00	9.502	814.2	8.70
	44.00	374.5	332.9	30.00	13.49	898.8	10.3	363.2	380.1	30.00	11.47	871.8	9.76	350.8	433.3	30.00	9.715	841.9	9.20
	45.00	380.8	334.7	30.00	13.65	914.0	10.6	369.4	382.3	30.00	11.59	886.7	10.1	356.9	435.8	30.00	9.826	856.6	9.50
	48.00	397.2	339.4	30.00	14.04	953.3	11.4	385.2	387.9	30.00	11.91	924.6	10.8	372.2	442.2	30.00	10.10	893.3	10.2
APCY5380TH	40.00	364.9	345.6	30.00	12.66	875.9	9.80	353.6	394.2	30.00	10.76	848.7	9.30	341.0	449.1	30.00	9.111	818.5	8.70
	42.00	377.2	349.3	30.00	12.95	905.3	10.4	365.6	398.7	30.00	11.00	877.4	9.90	352.7	454.4	30.00	9.314	846.6	9.30
	44.00	389.7	353.1	30.00	13.24	935.2	11.0	377.8	403.4	30.00	11.24	906.8	10.4	364.7	459.8	30.00	9.518	875.4	9.80
	45.00	396.3	355.1	30.00	13.38	951.1	11.3	384.3	405.8	30.00	11.36	922.4	10.7	371.1	462.7	30.00	9.624	890.7	10.1
	48.00	413.7	360.6	30.00	13.76	993.0	12.2	401.1	412.2	30.00	11.67	962.8	11.6	387.3	469.9	30.00	9.891	929.7	10.9
APCY5395TH	40.00	381.4	356.8	33.00	12.82	915.5	10.6	369.9	406.6	33.00	10.91	887.8	10.1	357.1	463.1	33.00	9.252	857.0	9.50
	42.00	394.4	360.3	33.00	13.13	946.6	11.2	382.5	411.0	33.00	11.16	918.2	10.7	369.4	468.3	33.00	9.466	886.7	10.1
	44.00	407.5	364.0	33.00	13.43	978.2	11.9	395.4	415.5	33.00	11.42	949.2	11.2	382.1	473.6	33.00	9.680	917.0	10.6
	45.00	414.5	365.9	33.00	13.59	994.9	12.2	402.3	417.9	33.00	11.55	965.6	11.6	388.8	476.5	33.00	9.792	933.1	11.0
	48.00	433.4	371.3	33.00	14.00	1040	13.2	420.5	424.3	33.00	11.89	1009	12.5	406.3	483.7	33.00	10.07	975.2	11.8
APCY5410TH	40.00	395.1	375.9	33.00	12.61	948.2	11.3	383.0	428.5	33.00	10.72	919.3	10.7	369.6	488.2	33.00	9.084	887.2	10.1
	42.00	408.6	379.9	33.00	12.90	980.7	11.9	396.2	433.5	33.00	10.96	951.0	11.3	382.5	494.1	33.00	9.290	918.1	10.7
	44.00	422.3	384.0	33.00	13.19	1013	12.6	409.6	438.5	33.00	11.21	983.2	11.9	395.6	499.9	33.00	9.496	949.6	11.3
	45.00	429.6	386.2	33.00	13.34	1031	13.0	416.7	441.2	33.00	11.33	1000	12.3	402.6	503.0	33.00	9.604	966.3	11.6
	48.00	449.5	392.3	33.00	13.75	1078	14.0	436.0	448.4	33.00	11.66	1046	13.3	421.2	511.2	33.00	9.885	1010	12.5
APCY5425TH	40.00	410.9	387.0	36.00	12.74	986.3	12.0	398.7	440.9	36.00	10.85	957.0	11.4	385.1	502.2	36.00	9.203	924.3	10.8
	42.00	425.2	390.9	36.00	13.05	1020	12.7	412.7	445.8	36.00	11.10	990.4	12.1	398.7	507.9	36.00	9.418	956.9	11.4
	44.00	439.6	394.9	36.00	13.35	1055	13.5	426.7	450.7	36.00	11.36	1024	12.8	412.5	513.8	36.00	9.633	989.9	12.1
	45.00	447.2	397.0	36.00	13.51	1073	13.9	434.2	453.4	36.00	11.49	1042	13.2	419.8	516.8	36.00	9.746	1007	12.5
	48.00	468.7	403.1	36.00	13.95	1124	15.1	454.9	460.6	36.00	11.84	1091	14.3	439.7	525.1	36.00	10.04	1055	13.5
APCY5455TH	40.00	434.4	408.9	36.00	12.74	1042	11.9	420.7	466.0	36.00	10.83	1009	11.2	405.5	530.7	36.00	9.169	973.3	10.5
	42.00	450.2	413.5	36.00	13.06	1080	12.7	436.3	471.8	36.00	11.09	1047	12.0	421.0	537.7	36.00	9.396	1010	11.3
	44.00	467.4	418.7	36.00	13.39	1121	13.7	453.2	478.2	36.00	11.37	1087	12.9	437.5	545.0	36.00	9.633	1050	12.1
	45.00	475.4	421.1	36.00	13.54	1141	14.1	460.9	481.1	36.00	11.49	1106	13.3	445.0	548.3	36.00	9.739	1068	12.5
	48.00	495.8	427.4	36.00	13.91	1190	15.2	480.7	488.5	36.00	11.80	1153	14.4	464.2	556.7	36.00	10.00	1114	13.5
APCY5475TH	40.00	454.9	425.5	36.00	12.83	1091	13.0	440.6	485.1	36.00	10.89	1057	12.3	424.8	552.7	36.00	9.224	1019	11.5
	42.00	471.2	430.2	36.00	13.14	1131	13.9	456.8	491.0	36.00	11.16	1096	13.1	440.9	559.8	36.00	9.451	1058	12.3
	44.00	489.5	435.5	36.00	13.48	1174	14.9	474.7	497.6	36.00	11.45	1139	14.0	458.3	567.4	36.00	9.693	1100	13.2
	45.00	498.0	438.1	36.00	13.64	1195	15.3	483.0	500.6	36.00	11.57	1159	14.5	466.4	570.9	36.00	9.803	1119	13.6
	48.00	519.9	444.6	36.00	14.03	1247	16.6	504.2	508.4	36.00	11.89	1210	15.7	486.9	579.8	36.00	10.07	1168	14.7
APCY5495TH	40.00	473.1	450.4	36.00	12.60	1135	14.0	458.1	513.8	36.00	10.69	1099	13.2	441.5	585.4	36.00	9.049	1059	12.3
	42.00	489.9	455.6	36.00	12.90	1175	14.9	474.7	520.3	36.00	10.94	1139	14.1	458.0	593.2	36.00	9.265	1099	13.2
	44.00	508.9	461.6	36.00	13.22	1221	16.0	493.3	527.6	36.00	11.22	1184	15.0	476.2	601.7	36.00	9.497	1142	14.1
	45.00	518.0	464.5	36.00	13.38	1243	16.5	502.1	531.0	36.00	11.34	1205	15.6	484.7	605.6	36.00	9.604	1163	14.6
	48.00	541.2	472.0	36.00	13.75	1298	17.9	524.6	539.8	36.00	11.66	1259	16.9	506.4	615.6	36.00	9.871	1215	15.8
APCY5520TH	40.00	500.1	479.0	36.00	12.52	1200	15.2	483.9	546.7	36.00	10.62	1161	14.3	466.0	623.1	36.00	8.975	1118	13.3
	42.00	517.6	484.9	36.00	12.80	1242	16.2	501.1	553.9	36.00	10.85	1202	15.3	482.9	631.5	36.00	9.177	1159	14.3
	44.00	535.7	491.1	36.00	13.09	1285	17.3	518.9	561.4	36.00	11.09	1245	16.3	500.5	640.2	36.00	9.382	1201	15.2
	45.00	545.6	494.5	36.00	13.24	1309	17.9	528.7	565.4	36.00	11.21	1268	16.9	510.1	644.9	36.00	9.491	1224	15.8
	48.00	568.1	502.3	36.00	13.57	1363	19.4	550.2	574.4	36.00	11.49	1320	18.2	530.5	654.9	36.00	9.720	1273	17.0

Table 9

Notes:

- Capacity ratings are based on following condition. Evaporator Water Temperature Change: 10°F Evaporator Fouling Factor: 0.000100 h ft².°F/Btu.
- Total power mentioned in this page should not be used for cable or fuse selection. Unit Maximum running current given in the electrical data pages (44 to 48) should be referred for the same.

capacity ratings - 50.hz (IP)

Model	LCWT °F	Condenser Entering Air Dry Bulb °F																	
		115.0						118.4						125.0					
		Capacity tonR	Total Power ⁽²⁾ kW	Fan Power ⁽²⁾ kW	EER Btu / W.h	WFR gpm	WPD ft H2O	Capacity tonR	Total Power ⁽²⁾ kW	Fan Power ⁽²⁾ kW	EER Btu / W.h	WFR gpm	WPD ft H2O	Capacity tonR	Total Power ⁽²⁾ kW	Fan Power ⁽²⁾ kW	EER Btu / W.h	WFR gpm	WPD ft H2O
APCY5345DH	40.00	297.1	463.8	27.00	7.688	713.2	7.70	292.5	483.9	27.00	7.253	702.0	7.50	283.1	525.0	27.00	6.472	679.6	7.10
	42.00	308.4	469.8	27.00	7.877	740.2	8.30	303.8	490.3	27.00	7.435	729.1	8.10	294.3	531.8	27.00	6.641	706.5	7.60
	44.00	320.1	476.1	27.00	8.069	768.4	8.80	315.4	496.7	27.00	7.618	756.9	8.60	305.7	538.7	27.00	6.810	733.8	8.20
	45.00	325.5	478.9	27.00	8.157	781.4	9.10	320.7	499.7	27.00	7.702	769.7	8.90	310.9	541.9	27.00	6.885	746.3	8.40
	48.00	339.6	486.2	27.00	8.381	815.1	9.80	334.6	507.2	27.00	7.915	803.0	9.50	324.4	549.9	27.00	7.079	778.6	9.00
APCY5365TH	40.00	314.9	481.4	30.00	7.849	755.8	7.50	310.2	502.4	30.00	7.408	744.5	7.30	300.6	545.2	30.00	6.615	721.4	6.90
	42.00	325.8	486.8	30.00	8.032	782.1	8.00	321.0	508.0	30.00	7.583	770.5	7.80	311.3	551.2	30.00	6.777	747.1	7.40
	44.00	337.2	492.3	30.00	8.218	809.3	8.60	332.3	513.8	30.00	7.761	797.6	8.30	322.4	557.3	30.00	6.942	773.9	7.90
	45.00	343.2	495.2	30.00	8.316	823.7	8.80	338.3	516.8	30.00	7.855	811.9	8.60	328.3	560.5	30.00	7.029	788.1	8.20
	48.00	357.9	502.2	30.00	8.551	859.0	9.50	352.8	524.0	30.00	8.079	846.8	9.30	342.5	568.1	30.00	7.234	822.0	8.80
APCY5380TH	40.00	327.2	510.5	30.00	7.692	785.4	8.10	322.2	532.8	30.00	7.258	773.4	7.90	312.1	578.2	30.00	6.478	749.2	7.40
	42.00	338.6	516.5	30.00	7.868	812.8	8.60	333.5	539.0	30.00	7.426	800.6	8.40	323.3	584.8	30.00	6.633	775.9	7.90
	44.00	350.4	522.6	30.00	8.046	841.1	9.20	345.3	545.3	30.00	7.597	828.7	8.90	334.9	591.6	30.00	6.792	803.7	8.50
	45.00	356.7	525.8	30.00	8.140	856.1	9.50	351.5	548.7	30.00	7.687	843.6	9.20	341.0	595.2	30.00	6.875	818.5	8.70
	48.00	372.3	533.7	30.00	8.369	893.5	10.2	366.9	556.9	30.00	7.906	880.6	9.90	356.0	603.8	30.00	7.075	854.4	9.40
APCY5395TH	40.00	342.9	526.3	33.00	7.818	823.0	8.80	337.8	549.3	33.00	7.379	810.8	8.60	327.5	596.3	33.00	6.590	785.9	8.10
	42.00	355.0	532.3	33.00	8.003	852.0	9.40	349.8	555.5	33.00	7.555	839.5	9.10	339.2	602.9	33.00	6.752	814.2	8.70
	44.00	367.4	538.3	33.00	8.189	881.8	10.0	362.1	561.8	33.00	7.734	869.1	9.70	351.4	609.7	33.00	6.917	843.5	9.20
	45.00	374.0	541.5	33.00	8.287	897.6	10.3	368.7	565.2	33.00	7.827	884.8	10.0	357.9	613.2	33.00	7.003	859.0	9.50
	48.00	390.8	549.6	33.00	8.533	938.1	11.1	385.3	573.5	33.00	8.061	924.7	10.8	374.0	622.0	33.00	7.216	897.8	10.3
APCY5410TH	40.00	354.8	555.0	33.00	7.671	851.7	9.40	349.5	574.4	33.00	7.238	838.8	9.10	338.7	629.0	33.00	6.461	812.8	8.60
	42.00	367.4	561.6	33.00	7.850	881.8	10.0	361.9	586.2	33.00	7.409	868.7	9.70	350.9	636.2	33.00	6.619	842.3	9.20
	44.00	380.3	568.3	33.00	8.030	912.7	10.6	374.7	593.1	33.00	7.582	899.4	10.3	363.4	643.4	33.00	6.777	872.2	9.80
	45.00	387.1	571.8	33.00	8.124	929.1	10.9	381.5	596.7	33.00	7.673	915.7	10.6	370.3	647.4	33.00	6.863	888.7	10.1
	48.00	404.9	580.8	33.00	8.366	971.9	11.7	399.1	606.0	33.00	7.903	957.9	11.5	387.3	657.1	33.00	7.073	929.7	10.9
APCY5425TH	40.00	370.0	570.9	36.00	7.778	888.1	10.1	364.6	595.9	36.00	7.341	875.0	9.80	353.5	647.1	36.00	6.555	848.4	9.30
	42.00	383.3	577.4	36.00	7.965	919.9	10.7	377.7	602.7	36.00	7.519	906.5	10.4	366.4	654.2	36.00	6.720	879.4	9.90
	44.00	396.8	584.0	36.00	8.152	952.3	11.3	391.1	609.5	36.00	7.699	938.7	11.1	379.7	661.5	36.00	6.887	911.2	10.5
	45.00	403.9	587.5	36.00	8.251	969.5	11.7	398.2	613.1	36.00	7.794	955.8	11.4	386.7	665.3	36.00	6.975	928.1	10.9
	48.00	423.1	596.6	36.00	8.510	1015	12.6	417.1	622.5	36.00	8.041	1001	12.3	405.1	675.1	36.00	7.200	972.2	11.7
APCY5455TH	40.00	388.9	603.1	36.00	7.738	933.4	9.70	382.9	629.5	36.00	7.299	919.0	9.40	370.8	683.2	36.00	6.513	890.0	8.80
	42.00	404.2	611.0	36.00	7.939	970.2	10.4	398.2	637.7	36.00	7.493	955.7	10.1	386.0	691.9	36.00	6.694	926.5	9.60
	44.00	420.3	619.2	36.00	8.146	1008	11.2	414.1	646.1	36.00	7.692	994.0	10.9	401.7	700.8	36.00	6.878	964.1	10.3
	45.00	427.6	622.8	36.00	8.238	1026	11.6	421.3	649.8	36.00	7.780	1011	11.3	408.7	704.7	36.00	6.960	981.0	10.7
	48.00	446.2	632.0	36.00	8.471	1070	12.5	439.7	659.3	36.00	8.004	1055	12.2	426.7	714.6	36.00	7.166	1024	11.5
APCY5475TH	40.00	407.5	628.3	36.00	7.783	978.1	10.6	401.3	655.8	36.00	7.343	963.1	10.3	388.7	711.9	36.00	6.551	932.9	9.70
	42.00	423.5	636.4	36.00	7.984	1016	11.4	417.2	664.3	36.00	7.536	1001	11.1	404.5	721.0	36.00	6.732	970.8	10.4
	44.00	440.5	645.0	36.00	8.194	1057	12.2	434.1	673.2	36.00	7.737	1041	11.9	421.1	730.4	36.00	6.918	1010	11.3
	45.00	448.3	648.9	36.00	8.289	1075	12.6	441.8	677.2	36.00	7.828	1060	12.3	428.6	734.6	36.00	7.001	1028	11.6
	48.00	468.1	658.7	36.00	8.528	1123	13.7	461.4	687.3	36.00	8.056	1107	13.3	447.8	745.3	36.00	7.210	1074	12.6
APCY5495TH	40.00	423.2	665.4	36.00	7.532	1015	11.4	416.6	694.5	36.00	7.199	1000	11.0	403.4	753.8	36.00	6.421	968.2	10.4
	42.00	439.6	674.3	36.00	7.823	1055	12.2	433.0	703.8	36.00	7.382	1039	11.9	419.7	763.9	36.00	6.592	1007	11.2
	44.00	457.4	683.9	36.00	8.025	1097	13.1	450.6	713.8	36.00	7.576	1081	12.8	437.0	774.4	36.00	6.771	1048	12.1
	45.00	465.6	688.3	36.00	8.117	1117	13.6	458.8	718.3	36.00	7.664	1101	13.2	444.9	779.2	36.00	6.851	1067	12.5
	48.00	486.6	699.4	36.00	8.348	1167	14.7	479.5	729.7	36.00	7.884	1150	14.3	465.1	791.3	36.00	7.053	1116	13.5
APCY5520TH	40.00	446.5	708.0	36.00	7.567	1071	12.3	439.4	738.8	36.00	7.137	1054	11.9	425.2	801.6	36.00	6.365	1020	11.2
	42.00	463.0	717.6	36.00	7.743	1111	13.2	455.8	748.8	36.00	7.305	1094	12.8	441.4	812.3	36.00	6.521	1059	12.0
	44.00	480.3	727.5	36.00	7.923	1152	14.1	473.1	759.1	36.00	7.478	1135	13.7	458.5	823.4	36.00	6.681	1100	12.9
	45.00	489.8	732.9	36.00	8.019	1175	14.6	482.5	764.7	36.00	7.571	1158	14.2	467.7	829.4	36.00	6.767	1122	13.4
APCY5520TH	48.00	509.1	743.8	36.00	8.213	1221	15.7	501.4	775.9	36.00	7.754	1203	15.3	485.9	841.1	36.00	6.933	1166	14.4

Table 10

Notes:

- Capacity ratings are based on following condition. Evaporator Water Temperature Change: 10°F Evaporator Fouling Factor: 0.000100 h ft².°F/Btu .
- Total power mentioned in this page should not be used for cable or fuse selection. Unit Maximum running current given in the electrical data pages (44 to 48) should be referred for the same.



capacity ratings - 60.hz (IP)

Model	LCWT °F	Condenser Entering Air Dry Bulb °F																	
		85.00						95.00						105.0					
		Capacity tonR	Total Power ⁽²⁾ kW	Fan Power ⁽²⁾ kW	EER Btu / W.h	WFR gpm	WPD ft H2O	Capacity tonR	Total Power ⁽²⁾ kW	Fan Power ⁽²⁾ kW	EER Btu / W.h	WFR gpm	WPD ft H2O	Capacity tonR	Total Power ⁽²⁾ kW	Fan Power ⁽²⁾ kW	EER Btu / W.h	WFR gpm	WPD ft H2O
APCY609SDH	40.00	90.52	89.20	12.00	12.17	217.2	12.5	86.29	99.28	12.00	10.42	207.0	11.4	81.81	110.4	12.00	8.887	196.3	10.3
	42.00	93.33	89.96	12.00	12.44	223.9	13.3	89.18	100.1	12.00	10.68	214.0	12.2	84.74	111.5	12.00	9.116	203.3	11.0
	44.00	97.35	91.03	12.00	12.83	233.6	14.4	93.02	101.3	12.00	11.01	223.3	13.1	88.39	112.8	12.00	9.398	212.1	11.9
	45.00	99.43	91.59	12.00	13.02	238.6	15.0	94.96	101.9	12.00	11.17	227.9	13.7	90.18	113.5	12.00	9.534	216.4	12.4
	48.00	105.2	93.11	12.00	13.56	252.6	16.8	100.4	103.6	12.00	11.62	241.0	15.3	95.30	115.3	12.00	9.916	228.7	13.8
APCY6100SDH	40.00	99.11	95.80	12.00	12.41	237.8	10.9	94.36	106.7	12.00	10.60	226.4	9.90	89.33	118.8	12.00	9.020	214.3	8.90
	42.00	103.1	96.93	12.00	12.76	247.4	11.7	98.17	108.0	12.00	10.90	235.5	10.7	92.94	120.2	12.00	9.276	223.0	9.60
	44.00	106.7	97.97	12.00	13.07	256.2	12.5	101.6	109.1	12.00	11.18	244.0	11.3	96.28	121.5	12.00	9.507	231.0	10.3
	45.00	108.7	98.51	12.00	13.24	260.9	12.9	103.5	109.7	12.00	11.31	248.5	11.8	98.07	122.1	12.00	9.630	235.3	10.6
	48.00	114.4	100.1	12.00	13.71	274.6	14.2	108.9	111.5	12.00	11.72	261.4	13.0	103.1	124.1	12.00	9.974	247.6	11.7
APCY6110SDH	40.00	104.5	101.7	12.00	12.33	250.9	12.0	99.71	113.5	12.00	10.53	239.3	11.0	94.52	126.6	12.00	8.959	226.8	9.90
	42.00	108.7	103.0	12.00	12.66	261.0	12.9	103.7	114.9	12.00	10.82	248.9	11.8	98.35	128.1	12.00	9.207	236.0	10.7
	44.00	112.6	104.1	12.00	12.97	270.4	13.8	107.4	116.3	12.00	11.09	257.8	12.6	101.8	129.6	12.00	9.430	244.4	11.4
	45.00	114.7	104.8	12.00	13.13	275.3	14.3	109.4	116.9	12.00	11.22	262.5	13.1	103.7	130.3	12.00	9.547	248.9	11.8
	48.00	120.7	106.6	12.00	13.58	289.7	15.8	115.1	119.0	12.00	11.60	276.2	14.4	109.1	133.5	12.00	9.879	262.0	13.0
APCY6115SDH	40.00	112.0	108.7	14.00	12.37	268.9	13.7	106.8	121.1	14.00	10.58	256.4	12.5	101.3	134.9	14.00	9.005	243.1	11.3
	42.00	116.5	109.9	14.00	12.72	279.7	14.8	111.1	122.5	14.00	10.88	266.8	13.5	105.4	136.5	14.00	9.265	253.0	12.2
	44.00	120.7	111.1	14.00	13.04	289.9	15.8	115.2	123.9	14.00	11.16	276.5	14.4	109.2	138.0	14.00	9.500	262.2	13.0
	45.00	122.9	111.7	14.00	13.20	295.1	16.3	117.3	124.5	14.00	11.29	281.5	14.9	111.2	138.7	14.00	9.622	267.0	13.5
	48.00	129.5	113.5	14.00	13.69	310.9	18.1	123.5	126.5	14.00	11.71	296.5	16.5	117.2	140.9	14.00	9.975	281.2	14.9
APCY6125SDH	40.00	122.0	116.6	16.00	12.55	292.9	11.0	116.4	129.9	16.00	10.75	279.4	10.0	110.4	144.6	16.00	9.164	265.1	9.10
	42.00	126.5	117.8	16.00	12.88	303.6	11.7	120.9	131.2	16.00	11.04	290.1	10.8	114.8	146.2	16.00	9.427	275.7	9.80
	44.00	132.3	119.3	16.00	13.30	317.5	12.7	126.3	132.9	16.00	11.40	303.2	11.6	119.9	148.0	16.00	9.723	287.8	10.6
	45.00	134.8	119.9	16.00	13.48	323.5	13.2	128.6	133.6	16.00	11.55	308.7	12.1	122.0	148.7	16.00	9.846	292.9	11.0
	48.00	143.0	122.0	16.00	14.06	343.3	14.8	136.7	136.0	16.00	12.05	328.1	13.6	129.9	151.5	16.00	10.28	311.8	12.3
APCY6135SDH	40.00	131.6	129.4	16.00	12.20	315.8	12.6	124.8	143.8	16.00	10.41	299.6	11.4	117.6	158.3	16.00	8.857	282.2	10.2
	42.00	135.9	130.7	16.00	12.47	326.2	13.4	129.2	145.4	16.00	10.66	310.2	12.2	122.0	161.1	16.00	9.091	292.9	11.0
	44.00	142.2	132.6	16.00	12.86	341.3	14.6	135.1	147.5	16.00	11.00	324.5	13.2	127.5	163.3	16.00	9.370	306.1	11.9
	45.00	145.0	133.5	16.00	13.03	348.1	15.2	137.7	148.4	16.00	11.13	330.5	13.8	129.9	164.3	16.00	9.486	311.7	12.3
	48.00	153.4	136.1	16.00	13.52	368.2	17.0	145.9	151.3	16.00	11.57	350.2	15.4	137.9	167.6	16.00	9.873	330.9	13.8
APCY6145SDH	40.00	141.9	141.3	16.00	12.04	340.5	14.6	134.1	156.6	16.00	10.27	321.9	13.1	125.8	172.7	16.00	8.742	301.9	11.6
	42.00	145.9	142.6	16.00	12.27	350.2	15.4	138.4	158.3	16.00	10.49	332.2	13.9	130.2	174.5	16.00	8.955	312.7	12.4
	44.00	152.7	144.9	16.00	12.64	366.5	16.8	144.8	160.7	16.00	10.81	347.7	15.1	136.2	177.2	16.00	9.229	327.1	13.5
	45.00	155.9	146.0	16.00	12.81	374.1	17.5	147.7	161.8	16.00	10.95	354.6	15.8	138.8	178.3	16.00	9.345	333.3	14.0
	48.00	164.4	148.9	16.00	13.25	394.7	19.5	156.1	165.2	16.00	11.34	374.7	17.6	147.1	182.0	16.00	9.696	353.0	15.6
APCY6160SDH	40.00	158.2	148.5	20.00	12.79	379.8	8.20	149.7	164.4	20.00	10.92	359.3	7.40	140.5	181.3	20.00	9.299	337.2	6.50
	42.00	164.8	150.2	20.00	13.16	395.6	8.90	155.9	166.4	20.00	11.24	374.1	8.00	146.2	183.4	20.00	9.569	351.0	7.00
	44.00	170.3	151.7	20.00	13.46	408.7	9.50	161.1	168.1	20.00	11.50	386.9	8.52	151.3	185.3	20.00	9.801	363.2	7.50
	45.00	173.8	152.7	20.00	13.65	417.2	9.80	164.7	169.2	20.00	11.67	395.2	8.90	154.8	186.6	20.00	9.955	371.5	7.90
	48.00	183.3	155.4	20.00	14.15	440.0	10.9	173.7	172.2	20.00	12.10	416.9	9.80	163.3	189.8	20.00	10.32	391.9	8.70
APCY6170SDH	40.00	163.9	157.3	20.00	12.50	393.4	8.80	155.1	174.1	20.00	10.69	372.4	7.90	145.6	191.9	20.00	9.103	349.4	7.00
	42.00	170.8	159.2	20.00	12.86	409.9	9.50	161.6	176.2	20.00	11.00	387.8	8.60	151.6	194.2	20.00	9.366	363.8	7.60
	44.00	176.4	160.8	20.00	13.16	423.4	10.1	167.0	178.0	20.00	11.26	401.0	9.12	156.8	196.2	20.00	9.590	376.4	8.10
	45.00	180.0	161.9	20.00	13.34	432.1	10.5	170.6	179.3	20.00	11.42	409.5	9.50	160.4	197.6	20.00	9.737	384.9	8.40
	48.00	190.1	164.9	20.00	13.83	456.2	11.6	180.1	182.6	20.00	11.84	432.4	10.5	169.3	201.2	20.00	10.09	406.4	9.40
APCY6185SDH	40.00	178.4	170.6	20.00	12.55	428.3	10.3	172.9	193.7	20.00	10.70	415.0	9.70	166.7	220.0	20.00	9.091	400.2	9.10
	42.00	185.3	172.4	20.00	12.90	444.9	11.1	179.6	195.8	20.00	11.00	431.1	10.4	173.2	222.5	20.00	9.341	415.8	9.80
	44.00	191.0	173.8	20.00	13.18	458.5	11.7	185.2	197.5	20.00	11.25	444.5	11.0	178.7	224.6	20.00	9.548	429.0	10.4
	45.00	194.6	174.7	20.00	13.36	467.2	12.1	188.8	198.6	20.00	11.40	453.2	11.5	182.4	226.0	20.00	9.683	437.8	10.7
	48.00	204.4	177.1	20.00	13.85	490.5	13.2	198.4	201.5	20.00	11.81	476.1	12.5	191.8	229.7	20.00	10.01	460.3	11.8

Table 11

Notes:

- Capacity ratings are based on following condition. Evaporator Water Temperature Change: 10°F Evaporator Fouling Factor: 0.000100 h ft².°F/Btu.
- Total power mentioned in this page should not be used for cable or fuse selection. Unit Maximum running current given in the electrical data pages (44 to 48) should be referred for the same.

capacity ratings - 60.hz (IP)

Model	LCWT °F	Condenser Entering Air Dry Bulb °F																	
		115.0						118.4						125.0					
		Capacity	Total Power ⁽²⁾	Fan Power ⁽²⁾	EER	WFR	WPD	Capacity	Total Power ⁽²⁾	Fan Power ⁽²⁾	EER	WFR	WPD	Capacity	Total Power ⁽²⁾	Fan Power ⁽²⁾	EER	WFR	WPD
		tonR	kW	kW	Btu / W.h	gpm	ft H ₂ O	tonR	kW	kW	Btu / W.h	gpm	ft H ₂ O	tonR	kW	kW	Btu / W.h	gpm	ft H ₂ O
APCY6095DH	40.00	77.07	122.7	12.00	7.535	184.9	9.20	75.40	127.1	12.00	7.115	180.9	8.80	72.07	136.1	12.00	6.353	172.9	8.10
	42.00	79.99	123.9	12.00	7.742	191.9	9.90	78.31	128.4	12.00	7.314	187.9	9.50	74.94	137.5	12.00	6.538	179.8	8.70
	44.00	83.43	125.4	12.00	7.982	200.2	10.7	81.67	129.9	12.00	7.541	196.0	10.3	78.16	139.1	12.00	6.742	187.5	9.40
	45.00	85.09	126.1	12.00	8.096	204.2	11.1	83.29	130.6	12.00	7.649	199.8	10.7	79.69	139.8	12.00	6.837	191.2	9.80
	48.00	89.87	128.1	12.00	8.418	215.6	12.3	87.95	132.7	12.00	7.953	211.0	11.8	84.14	142.0	12.00	7.109	201.9	10.9
APCY6100DH	40.00	84.01	132.0	12.00	7.632	201.6	8.00	82.14	136.8	12.00	7.202	197.1	7.70	78.40	146.4	12.00	6.422	188.1	7.00
	42.00	87.42	133.6	12.00	7.851	209.8	8.60	85.48	138.4	12.00	7.410	205.1	8.20	81.60	148.1	12.00	6.610	195.8	7.60
	44.00	90.58	135.0	12.00	8.050	217.3	9.20	88.57	139.8	12.00	7.599	212.5	8.80	84.58	149.6	12.00	6.781	202.9	8.10
	45.00	92.29	135.7	12.00	8.157	221.5	9.50	90.26	140.6	12.00	7.701	216.6	9.10	86.22	150.4	12.00	6.874	206.9	8.40
	48.00	97.12	137.8	12.00	8.451	233.0	10.4	94.99	142.8	12.00	7.980	227.9	10.0	90.76	152.8	12.00	7.127	217.8	9.20
APCY6110DH	40.00	89.00	140.8	12.00	7.581	213.5	8.90	87.04	146.0	12.00	7.153	208.8	8.50	83.14	156.3	12.00	6.379	199.5	7.80
	42.00	92.61	142.5	12.00	7.794	222.2	9.60	90.59	147.7	12.00	7.366	217.4	9.20	86.54	158.2	12.00	6.563	207.6	8.40
	44.00	95.95	144.1	12.00	7.986	230.2	10.2	93.86	149.3	12.00	7.539	225.2	9.80	89.68	159.9	12.00	6.729	215.2	9.00
	45.00	97.74	145.0	12.00	8.089	234.5	10.6	95.62	150.2	12.00	7.637	229.4	10.1	91.39	160.8	12.00	6.819	219.3	9.30
	48.00	102.8	147.3	12.00	8.374	246.8	11.6	100.6	152.6	12.00	7.908	241.5	11.2	96.21	163.3	12.00	7.065	230.9	10.3
APCY6115DH	40.00	95.41	150.1	14.00	7.625	228.9	10.1	93.33	155.5	14.00	7.197	223.9	9.70	89.18	166.6	14.00	6.421	214.0	8.90
	42.00	99.34	151.8	14.00	7.849	238.4	10.9	97.18	157.3	14.00	7.410	233.2	10.5	92.88	168.5	14.00	6.613	222.9	9.60
	44.00	102.9	153.4	14.00	8.051	247.1	11.7	100.7	159.0	14.00	7.602	241.7	11.2	96.30	170.2	14.00	6.787	231.1	10.3
	45.00	104.8	154.2	14.00	8.157	251.7	12.1	102.6	159.8	14.00	7.703	246.3	11.6	98.14	171.1	14.00	6.879	235.5	10.7
	48.00	110.4	156.7	14.00	8.459	265.1	13.3	108.1	162.3	14.00	7.990	259.4	12.8	103.3	173.7	14.00	7.139	248.1	11.8
APCY6125DH	40.00	104.1	160.8	16.00	7.770	249.9	8.30	101.9	166.6	16.00	7.337	244.5	8.00	97.46	178.4	16.00	6.552	233.8	7.40
	42.00	108.4	162.6	16.00	8.002	260.2	8.90	106.1	168.5	16.00	7.560	254.8	8.50	101.6	180.4	16.00	6.756	243.8	7.90
	44.00	113.1	164.5	16.00	8.250	271.5	9.50	110.7	170.5	16.00	7.793	265.7	9.20	105.9	182.5	16.00	6.962	254.1	8.50
	45.00	115.0	165.3	16.00	8.352	276.2	9.80	112.6	171.3	16.00	7.888	270.3	9.50	107.7	183.3	16.00	7.047	258.4	8.80
	48.00	122.7	168.4	16.00	8.742	294.5	11.1	120.1	174.5	16.00	8.262	288.4	10.6	115.0	186.8	16.00	7.391	276.2	9.80
APCY6135DH	40.00	109.8	175.8	16.00	7.499	263.7	9.10	107.1	181.6	16.00	7.077	257.1	8.70	101.6	193.3	16.00	6.310	244.0	7.90
	42.00	114.3	177.8	16.00	7.713	274.3	9.70	111.5	183.7	16.00	7.284	267.7	9.30	106.0	195.5	16.00	6.504	254.3	8.50
	44.00	119.3	180.1	16.00	7.950	286.4	10.5	116.4	186.0	16.00	7.508	279.4	10.0	110.6	197.9	16.00	6.706	265.4	9.20
	45.00	121.4	181.1	16.00	8.047	291.5	10.9	118.5	187.0	16.00	7.600	284.4	10.4	112.5	198.9	16.00	6.788	270.0	9.40
	48.00	129.3	184.8	16.00	8.396	310.3	12.2	126.2	190.8	16.00	7.938	303.0	11.7	120.1	202.9	16.00	7.104	288.3	10.6
APCY6145DH	40.00	116.9	189.3	16.00	7.412	280.7	10.1	113.8	195.1	16.00	6.998	273.2	9.60	107.5	206.6	16.00	6.245	258.1	8.70
	42.00	121.4	191.5	16.00	7.612	291.5	10.9	118.3	197.3	16.00	7.193	283.9	10.3	111.9	208.9	16.00	6.430	268.7	9.40
	44.00	126.9	194.1	16.00	7.846	304.7	11.8	123.6	200.0	16.00	7.415	296.7	11.2	116.9	211.7	16.00	6.629	280.6	10.1
	45.00	129.3	195.3	16.00	7.943	310.3	12.2	125.8	201.2	16.00	7.506	302.1	11.6	119.0	212.8	16.00	6.709	285.6	10.5
	48.00	137.3	199.4	16.00	8.262	329.5	13.7	133.8	205.4	16.00	7.816	321.1	13.0	126.8	217.3	16.00	7.001	304.3	11.8
APCY6160DH	40.00	130.6	198.9	20.00	7.877	313.5	5.50	127.1	205.1	20.00	7.434	305.0	5.20	120.0	217.4	20.00	6.625	288.1	4.60
	42.00	135.9	201.1	20.00	8.107	326.2	6.00	132.2	207.4	20.00	7.651	317.4	5.70	124.8	219.7	20.00	6.820	299.6	5.00
	44.00	140.7	203.2	20.00	8.311	337.8	6.50	137.0	209.5	20.00	7.847	328.8	6.10	129.4	221.9	20.00	6.999	310.6	5.40
	45.00	144.1	204.6	20.00	8.451	345.9	6.80	140.3	211.0	20.00	7.982	336.8	6.50	132.7	223.5	20.00	7.125	318.5	5.70
	48.00	152.0	208.1	20.00	8.765	364.9	7.60	148.0	214.5	20.00	8.279	355.3	7.20	139.9	227.2	20.00	7.392	335.9	6.40
APCY6170DH	40.00	135.2	210.7	20.00	7.700	324.6	6.00	131.5	217.4	20.00	7.261	315.7	5.60	124.1	230.6	20.00	6.460	297.9	4.90
	42.00	140.8	213.1	20.00	7.925	337.9	6.50	136.9	219.8	20.00	7.475	328.6	6.10	129.2	233.1	20.00	6.651	310.0	5.40
	44.00	145.8	215.4	20.00	8.122	349.9	7.00	141.8	222.1	20.00	7.663	340.4	6.60	133.9	235.5	20.00	6.823	321.3	5.80
	45.00	149.2	216.9	20.00	8.255	358.2	7.30	145.2	223.7	20.00	7.790	348.6	6.90	137.2	237.2	20.00	6.940	329.3	6.20
	48.00	157.5	220.8	20.00	8.559	378.0	8.10	153.2	227.6	20.00	8.077	367.8	7.70	144.6	241.2	20.00	7.193	347.1	6.90
APCY6185DH	40.00	159.9	249.6	20.00	7.689	383.9	8.40	157.5	260.4	20.00	7.257	378.0	8.10	152.5	282.5	20.00	6.480	366.1	7.70
	42.00	166.2	252.6	20.00	7.895	399.0	9.00	163.7	263.7	20.00	7.450	392.9	8.80	158.6	286.2	20.00	6.649	380.7	8.30
	44.00	171.7	255.3	20.00	8.069	412.1	9.60	169.1	266.5	20.00	7.614	406.0	9.30	164.0	289.6	20.00	6.795	393.6	8.80
	45.00	175.3	257.1	20.00	8.184	420.9	10.0	172.8	268.5	20.00	7.723	414.8	9.70	167.7	291.9	20.00	6.894	402.5	9.20
	48.00	184.5	261.6	20.00	8.463	442.9	11.0	181.9	273.3	20.00	7.986	436.6	10.7	176.6	297.4	20.00	7.127	424.0	10.1

Table 12

Notes:

- Capacity ratings are based on following condition. Evaporator Water Temperature Change: 10°F Evaporator Fouling Factor: 0.000100 h ft²·°F/Btu .
- Total power mentioned in this page should not be used for cable or fuse selection. Unit Maximum running current given in the electrical data pages (44 to 48) should be referred for the same.



capacity ratings - 60.hz (IP)

Model	LCWT °F	Condenser Entering Air Dry Bulb °F																	
		85.00						95.00						105.0					
		Capacity	Total Power ⁽²⁾	Fan Power ⁽²⁾	EER	WFR	WPD	Capacity	Total Power ⁽²⁾	Fan Power ⁽²⁾	EER	WFR	WPD	Capacity	Total Power ⁽²⁾	Fan Power ⁽²⁾	EER	WFR	WPD
		tonR	kW	kW	Btu / W.h	gpm	ft H2O	tonR	kW	kW	Btu / W.h	gpm	ft H2O	tonR	kW	kW	Btu / W.h	gpm	ft H2O
APCY619SDH	40.00	187.1	181.9	20.00	12.34	449.0	11.3	181.1	206.7	20.00	10.51	434.8	10.6	174.5	234.9	20.00	8.916	418.9	9.90
	42.00	194.4	183.9	20.00	12.68	466.6	12.1	188.3	209.2	20.00	10.79	451.9	11.4	181.5	237.8	20.00	9.157	435.6	10.6
	44.00	200.3	185.6	20.00	12.95	480.8	12.8	194.1	211.2	20.00	11.03	466.0	12.0	187.2	240.2	20.00	9.352	449.4	11.3
	45.00	204.0	186.6	20.00	13.12	489.7	13.2	197.8	212.5	20.00	11.17	474.8	12.5	191.0	241.8	20.00	9.477	458.4	11.7
	48.00	214.3	189.4	20.00	13.57	514.4	14.4	207.9	215.9	20.00	11.55	499.0	13.7	200.9	246.0	20.00	9.800	482.1	12.8
APCY620SDH	40.00	195.5	193.5	20.00	12.12	469.3	12.2	189.2	220.1	20.00	10.31	454.2	11.5	182.2	250.1	20.00	8.739	437.2	10.7
	42.00	203.3	195.9	20.00	12.45	487.9	13.1	196.8	223.0	20.00	10.58	472.3	12.4	189.5	253.5	20.00	8.971	454.9	11.5
	44.00	209.5	197.7	20.00	12.71	502.8	13.8	202.8	225.3	20.00	10.80	486.9	13.0	195.5	256.2	20.00	9.157	469.3	12.2
	45.00	213.2	198.9	20.00	12.86	511.8	14.3	206.6	226.7	20.00	10.93	495.9	13.5	199.3	258.0	20.00	9.273	478.5	12.6
	48.00	224.0	202.2	20.00	13.28	537.7	15.6	217.2	230.8	20.00	11.29	521.3	14.8	209.8	262.6	20.00	9.584	503.5	13.9
APCY6220DH	40.00	209.7	201.1	24.00	12.51	503.3	13.9	203.3	228.4	24.00	10.67	487.9	13.1	196.1	259.4	24.00	9.070	470.6	12.3
	42.00	218.2	203.2	24.00	12.88	523.8	14.9	211.6	231.0	24.00	10.99	507.9	14.1	204.2	262.4	24.00	9.337	490.1	13.2
	44.00	224.9	204.9	24.00	13.16	539.8	15.8	218.1	233.0	24.00	11.23	523.6	14.9	210.6	264.8	24.00	9.546	505.6	14.0
	45.00	228.8	205.9	24.00	13.33	549.1	16.3	222.0	234.2	24.00	11.37	532.9	15.4	214.6	266.2	24.00	9.672	515.0	14.5
	48.00	240.5	208.8	24.00	13.82	577.4	17.8	233.6	237.7	24.00	11.79	560.6	16.9	225.9	270.3	24.00	10.02	542.2	15.9
APCY6230DH	40.00	221.1	215.5	24.00	12.31	530.7	15.3	214.2	245.2	24.00	10.48	514.1	14.4	206.6	278.7	24.00	8.895	495.8	13.5
	42.00	230.2	218.1	24.00	12.66	552.5	16.4	223.1	248.1	24.00	10.79	535.5	15.5	215.2	282.0	24.00	9.158	516.6	14.5
	44.00	237.2	220.0	24.00	12.93	569.4	17.4	230.0	250.3	24.00	11.03	552.1	16.4	222.0	284.6	24.00	9.361	532.9	15.4
	45.00	241.2	221.1	24.00	13.09	578.9	17.9	234.0	251.6	24.00	11.15	561.6	16.9	226.0	286.1	24.00	9.479	542.4	15.9
	48.00	253.7	224.4	24.00	13.56	608.9	19.7	246.2	255.5	24.00	11.56	591.0	18.6	238.0	290.7	24.00	9.825	571.2	17.5
APCY6240DH	40.00	228.8	217.7	24.00	12.61	549.1	10.4	221.6	247.6	24.00	10.73	531.8	9.70	213.6	281.4	24.00	9.110	512.7	9.10
	42.00	237.0	219.9	24.00	12.92	568.8	11.1	229.7	250.2	24.00	11.01	551.2	10.4	221.6	284.4	24.00	9.348	531.8	9.70
	44.00	245.4	222.2	24.00	13.24	589.0	11.8	237.9	252.9	24.00	11.29	571.1	11.1	229.7	287.5	24.00	9.586	551.2	10.4
	45.00	249.6	223.4	24.00	13.40	599.0	12.2	242.0	254.2	24.00	11.42	580.9	11.5	233.7	289.0	24.00	9.702	560.9	10.8
	48.00	262.5	226.7	24.00	13.89	630.0	13.4	254.7	258.2	24.00	11.83	611.3	12.7	246.2	293.8	24.00	10.05	590.8	11.9
APCY6260DH	40.00	247.8	232.1	28.00	12.81	594.8	12.0	240.2	263.8	28.00	10.92	576.6	11.3	231.8	299.6	28.00	9.286	556.4	10.6
	42.00	256.7	234.4	28.00	13.14	616.2	12.9	249.0	266.4	28.00	11.21	597.7	12.1	240.5	302.6	28.00	9.537	577.2	11.4
	44.00	265.9	236.6	28.00	13.48	638.1	13.7	258.0	269.0	28.00	11.51	619.3	12.9	249.3	305.6	28.00	9.788	598.4	12.2
	45.00	270.5	237.8	28.00	13.64	649.1	14.2	262.5	270.3	28.00	11.65	630.0	13.4	253.7	307.1	28.00	9.913	609.0	12.6
	48.00	284.5	241.1	28.00	14.16	682.9	15.6	276.3	274.2	28.00	12.09	663.3	14.7	267.3	311.8	28.00	10.28	641.7	13.9
APCY627SDH	40.00	263.9	253.1	28.00	12.51	633.5	13.5	255.7	287.9	28.00	10.65	613.7	12.8	246.6	327.2	28.00	9.043	591.9	11.9
	42.00	273.4	255.8	28.00	12.82	656.3	14.5	265.0	291.0	28.00	10.92	636.1	13.6	255.8	330.8	28.00	9.277	613.9	12.8
	44.00	283.2	258.5	28.00	13.14	679.7	15.4	274.6	294.2	28.00	11.20	659.2	14.5	265.2	334.5	28.00	9.514	636.5	13.7
	45.00	288.1	259.8	28.00	13.30	691.4	15.9	279.4	295.8	28.00	11.33	670.7	15.1	269.9	336.3	28.00	9.630	647.8	14.1
	48.00	303.1	263.9	28.00	13.77	727.4	17.5	294.2	300.5	28.00	11.74	706.0	16.6	284.4	341.9	28.00	9.981	682.6	15.6
APCY6300DH	40.00	290.0	270.5	32.00	12.86	696.0	7.40	281.0	307.4	32.00	10.96	674.4	7.00	271.0	349.1	32.00	9.316	650.6	6.50
	42.00	300.5	273.2	32.00	13.19	721.1	7.90	291.4	310.6	32.00	11.25	699.3	7.50	281.3	352.8	32.00	9.568	675.2	7.00
	44.00	311.2	275.9	32.00	13.53	746.9	8.40	301.8	313.7	32.00	11.55	724.5	7.97	291.5	356.4	32.00	9.815	699.7	7.50
	45.00	316.1	277.2	32.00	13.68	758.7	8.60	306.6	315.1	32.00	11.67	735.9	8.20	296.1	358.1	32.00	9.924	710.8	7.70
	48.00	328.8	280.3	32.00	14.07	789.1	9.20	318.9	318.8	32.00	12.00	765.4	8.80	308.0	362.3	32.00	10.20	739.4	8.30
APCY6320DH	40.00	307.7	293.4	32.00	12.58	738.5	8.20	297.9	333.6	32.00	10.71	715.1	7.80	287.2	379.1	32.00	9.090	689.3	7.30
	42.00	318.6	296.5	32.00	12.89	764.7	8.80	308.8	337.3	32.00	10.98	741.1	8.30	297.9	383.3	32.00	9.326	715.1	7.80
	44.00	330.1	299.7	32.00	13.21	792.4	9.30	320.0	341.0	32.00	11.26	768.2	8.83	308.9	387.6	32.00	9.562	741.4	8.30
	45.00	335.5	301.2	32.00	13.36	805.2	9.60	325.2	342.7	32.00	11.38	780.6	9.10	313.9	389.6	32.00	9.668	753.5	8.50
	48.00	349.4	305.0	32.00	13.74	838.6	10.2	338.7	347.1	32.00	11.70	812.9	9.70	326.9	394.8	32.00	9.937	784.6	9.20
APCY6340DH	40.00	327.8	309.1	36.00	12.72	786.7	9.20	317.6	351.3	36.00	10.84	762.4	8.70	306.4	399.0	36.00	9.215	735.4	8.20
	42.00	339.2	312.1	36.00	13.04	814.1	9.70	329.0	354.8	36.00	11.12	789.6	9.30	317.7	403.1	36.00	9.457	762.5	8.70
	44.00	351.7	315.3	36.00	13.38	844.1	10.3	341.2	358.5	36.00	11.42	818.9	9.84	329.6	407.4	36.00	9.708	791.1	9.30
	45.00	357.6	316.9	36.00	13.54	858.3	10.6	346.9	360.3	36.00	11.55	832.6	10.1	335.1	409.4	36.00	9.823	804.4	9.50
	48.00	373.0	320.7	36.00	13.95	895.3	11.4	361.8	364.8	36.00	11.90	868.5	10.9	349.6	414.6	36.00	10.11	839.0	10.2

Table 13

Notes:

- Capacity ratings are based on following condition. Evaporator Water Temperature Change: 10°F Evaporator Fouling Factor: 0.000100 h ft².°F/Btu.
- Total power mentioned in this page should not be used for cable or fuse selection. Unit Maximum running current given in the electrical data pages (44 to 48) should be referred for the same.

capacity ratings - 60.hz (IP)

Model	LCWT °F	Condenser Entering Air Dry Bulb °F																	
		115.0						118.4						125.0					
		Capacity tonR	Total Power ⁽²⁾ kW	Fan Power ⁽²⁾ kW	EER Btu / W.h	WFR gpm	WPD ft H2O	Capacity tonR	Total Power ⁽²⁾ kW	Fan Power ⁽²⁾ kW	EER Btu / W.h	WFR gpm	WPD ft H2O	Capacity tonR	Total Power ⁽²⁾ kW	Fan Power ⁽²⁾ kW	EER Btu / W.h	WFR gpm	WPD ft H2O
APCY6195DH	40.00	167.3	266.4	20.00	7.534	401.5	9.10	164.6	277.9	20.00	7.110	395.2	8.90	159.3	301.3	20.00	6.345	382.4	8.30
	42.00	174.0	269.8	20.00	7.738	417.6	9.80	171.3	281.5	20.00	7.302	411.2	9.60	165.8	305.3	20.00	6.519	398.1	9.00
	44.00	179.7	272.7	20.00	7.907	431.3	10.5	177.0	284.6	20.00	7.464	424.8	10.2	171.5	308.7	20.00	6.667	411.7	9.60
	45.00	183.5	274.6	20.00	8.016	440.4	10.9	180.8	286.6	20.00	7.569	433.9	10.6	175.3	311.1	20.00	6.765	420.9	10.0
	48.00	193.2	279.6	20.00	8.293	463.7	11.9	190.5	291.8	20.00	7.832	457.1	11.6	184.9	316.8	20.00	7.004	443.8	11.0
APCY6205DH	40.00	174.4	283.6	20.00	7.378	418.5	9.90	171.5	295.8	20.00	6.961	411.8	9.60	165.8	320.5	20.00	6.209	398.1	9.00
	42.00	181.5	287.4	20.00	7.580	435.8	10.7	178.7	299.7	20.00	7.153	428.8	10.3	172.8	324.7	20.00	6.387	414.9	9.70
	44.00	187.5	290.5	20.00	7.745	450.1	11.3	184.6	303.0	20.00	7.313	443.2	11.0	178.8	328.3	20.00	6.537	429.2	10.4
	45.00	191.4	292.6	20.00	7.850	459.4	11.7	188.5	305.1	20.00	7.415	452.5	11.4	182.8	330.6	20.00	6.635	438.7	10.8
	48.00	201.7	297.9	20.00	8.125	484.1	12.9	198.8	310.6	20.00	7.679	477.2	12.6	193.0	336.5	20.00	6.881	463.2	11.9
APCY6220DH	40.00	188.1	294.0	24.00	7.679	451.5	11.4	185.2	306.6	24.00	7.251	444.6	11.1	179.4	332.2	24.00	6.481	430.7	10.4
	42.00	196.0	297.4	24.00	7.909	470.5	12.3	193.1	310.2	24.00	7.470	463.5	11.9	187.1	336.2	24.00	6.680	449.1	11.3
	44.00	202.4	300.2	24.00	8.091	485.8	13.0	199.4	313.1	24.00	7.644	478.7	12.7	193.4	339.4	24.00	6.840	464.3	12.0
	45.00	206.4	301.9	24.00	8.202	495.3	13.5	203.4	314.9	24.00	7.751	488.3	13.1	197.5	341.4	24.00	6.941	474.0	12.4
	48.00	217.5	306.7	24.00	8.510	522.1	14.8	214.5	320.0	24.00	8.045	514.9	14.5	208.4	346.9	24.00	7.209	500.3	13.7
APCY6230DH	40.00	198.1	315.9	24.00	7.526	475.6	12.5	195.1	329.5	24.00	7.105	468.3	12.2	189.0	357.1	24.00	6.349	453.5	11.5
	42.00	206.6	319.8	24.00	7.751	495.8	13.5	203.4	333.5	24.00	7.319	488.3	13.1	197.1	361.6	24.00	6.542	473.1	12.4
	44.00	213.2	322.8	24.00	7.926	511.8	14.3	210.1	336.7	24.00	7.486	504.2	13.9	203.7	365.1	24.00	6.694	488.9	13.2
	45.00	217.2	324.6	24.00	8.030	521.4	14.8	214.1	338.7	24.00	7.586	513.9	14.4	207.7	367.3	24.00	6.786	498.6	13.6
	48.00	229.0	330.0	24.00	8.326	549.6	16.3	225.7	344.4	24.00	7.866	541.8	15.9	219.2	373.6	24.00	7.039	526.1	15.0
APCY6240DH	40.00	204.9	319.0	24.00	7.706	491.8	8.40	201.7	332.7	24.00	7.276	484.2	8.10	195.4	360.6	24.00	6.501	468.9	7.60
	42.00	212.7	322.6	24.00	7.912	510.5	9.00	209.5	336.5	24.00	7.472	502.8	8.70	203.0	364.8	24.00	6.679	487.3	8.20
	44.00	220.6	326.2	24.00	8.116	529.5	9.70	217.4	340.3	24.00	7.666	521.7	9.40	210.8	369.0	24.00	6.856	506.0	8.90
	45.00	224.6	328.0	24.00	8.216	539.0	10.0	221.3	342.2	24.00	7.761	531.2	9.70	214.7	371.1	24.00	6.941	515.3	9.20
	48.00	236.8	333.7	24.00	8.516	568.4	11.0	233.5	348.2	24.00	8.045	560.4	10.8	226.7	377.9	24.00	7.199	544.1	10.2
APCY6260DH	40.00	222.6	339.5	28.00	7.867	534.3	9.80	219.3	354.1	28.00	7.431	526.3	9.50	212.5	383.7	28.00	6.646	510.1	9.00
	42.00	231.1	343.0	28.00	8.084	554.7	10.5	227.7	357.8	28.00	7.638	546.6	10.3	220.9	387.8	28.00	6.835	530.2	9.70
	44.00	239.8	346.6	28.00	8.302	575.5	11.3	236.3	361.5	28.00	7.845	567.3	11.0	229.4	391.9	28.00	7.024	550.6	10.4
	45.00	244.1	348.4	28.00	8.409	585.9	11.7	240.7	363.4	28.00	7.947	577.6	11.4	233.7	394.0	28.00	7.117	560.9	10.8
	48.00	257.5	353.9	28.00	8.730	618.0	12.9	253.9	369.3	28.00	8.253	609.5	12.6	246.8	400.5	28.00	7.394	592.4	11.9
APCY6275DH	40.00	236.6	371.1	28.00	7.651	567.8	11.0	233.0	387.0	28.00	7.223	559.2	10.7	225.7	419.5	28.00	6.456	541.7	10.1
	42.00	245.6	375.2	28.00	7.855	589.5	11.8	241.9	391.3	28.00	7.419	580.7	11.5	234.5	424.2	28.00	6.635	563.0	10.9
	44.00	254.8	379.4	28.00	8.060	611.7	12.7	251.1	395.7	28.00	7.615	602.7	12.3	243.6	429.0	28.00	6.814	584.7	11.7
	45.00	259.5	381.5	28.00	8.161	622.8	13.1	255.7	397.9	28.00	7.711	613.8	12.8	248.1	431.4	28.00	6.902	595.6	12.1
	48.00	273.7	388.0	28.00	8.464	656.9	14.5	269.9	404.8	28.00	7.999	647.7	14.1	262.1	439.0	28.00	7.164	629.1	13.4
APCY6300DH	40.00	260.2	395.7	32.00	7.889	624.4	6.00	256.2	412.6	32.00	7.451	615.0	5.80	248.3	447.2	32.00	6.663	596.0	5.40
	42.00	270.3	400.0	32.00	8.110	648.8	6.50	266.4	417.2	32.00	7.662	639.3	6.30	258.4	452.2	32.00	6.856	620.1	5.90
	44.00	280.2	404.2	32.00	8.320	672.7	6.90	276.2	421.6	32.00	7.862	662.9	6.70	268.0	457.0	32.00	7.037	643.2	6.30
	45.00	284.7	406.1	32.00	8.414	683.4	7.20	280.6	423.5	32.00	7.960	673.5	7.00	272.3	459.2	32.00	7.116	653.6	6.60
	48.00	296.2	411.0	32.00	8.649	710.9	7.70	291.9	428.7	32.00	8.172	700.7	7.50	283.3	464.8	32.00	7.315	680.1	7.10
APCY6320DH	40.00	275.4	429.8	32.00	7.690	661.1	6.70	271.2	448.2	32.00	7.260	650.9	6.50	262.6	485.8	32.00	6.487	630.4	6.10
	42.00	286.1	434.8	32.00	7.895	686.6	7.20	281.8	453.5	32.00	7.456	676.4	7.00	273.2	491.6	32.00	6.667	655.6	6.60
	44.00	296.7	439.8	32.00	8.097	712.2	7.70	292.3	458.7	32.00	7.647	701.7	7.50	283.5	497.4	32.00	6.839	680.5	7.10
	45.00	301.6	442.0	32.00	8.186	723.8	8.00	297.1	461.1	32.00	7.732	713.2	7.70	288.2	500.0	32.00	6.915	691.6	7.30
	48.00	313.9	447.9	32.00	8.411	753.5	8.50	309.5	467.3	32.00	7.946	742.8	8.30	300.2	506.8	32.00	7.107	720.4	7.90
APCY6340DH	40.00	294.1	452.1	36.00	7.805	705.8	7.60	289.6	471.4	36.00	7.372	695.2	7.40	280.7	510.8	36.00	6.593	673.6	7.00
	42.00	305.3	457.0	36.00	8.017	732.8	8.10	300.8	476.6	36.00	7.574	722.1	7.90	291.8	516.6	36.00	6.778	700.4	7.50
	44.00	316.9	462.0	36.00	8.231	760.6	8.70	312.3	481.9	36.00	7.777	749.7	8.50	303.1	522.4	36.00	6.962	727.5	8.00
	45.00	322.2	464.3	36.00	8.328	773.5	8.90	317.6	484.3	36.00	7.869	762.3	8.70	308.2	525.1	36.00	7.044	739.8	8.30
	48.00	336.1	470.4	36.00	8.574	806.8	9.60	331.3	490.7	36.00	8.101	795.2	9.40	321.6	532.2	36.00	7.251	771.8	8.90

Table 14

Notes:

- Capacity ratings are based on following condition. Evaporator Water Temperature Change: 10°F Evaporator Fouling Factor: 0.000100 h ft².°F/Btu.
- Total power mentioned in this page should not be used for cable or fuse selection. Unit Maximum running current given in the electrical data pages (44 to 48) should be referred for the same.



capacity ratings - 60.hz (IP)

Model	LCWT °F	Condenser Entering Air Dry Bulb °F																	
		85.00						95.00						105.0					
		Capacity ton _s	Total Power ⁽²⁾ kW	Fan Power ⁽²⁾ kW	EER Btu / W.h	WFR gpm	WPD ft HF0	Capacity ton _s	Total Power ⁽²⁾ kW	Fan Power ⁽²⁾ kW	EER Btu / W.h	WFR gpm	WPD ft HF0	Capacity ton _s	Total Power ⁽²⁾ kW	Fan Power ⁽²⁾ kW	EER Btu / W.h	WFR gpm	WPD ft HF0
APCY6360DH	40.00	345.0	331.8	36.00	12.47	827.9	10.0	334.1	377.6	36.00	10.61	801.8	9.50	322.1	428.0	36.00	9.008	773.0	8.90
	42.00	356.6	335.2	36.00	12.76	856.0	10.6	345.7	381.5	36.00	10.87	829.9	10.1	333.7	433.6	36.00	9.234	801.0	9.50
	44.00	369.9	339.0	36.00	13.09	887.8	11.3	358.7	385.8	36.00	11.16	861.0	10.7	346.3	438.6	36.00	9.475	831.3	10.1
	45.00	376.3	340.8	36.00	13.24	903.1	11.6	364.9	387.9	36.00	11.28	875.7	11.0	352.3	441.0	36.00	9.587	845.6	10.4
	48.00	393.0	345.5	36.00	13.65	943.4	12.5	381.1	393.2	36.00	11.62	914.6	11.8	367.9	447.1	36.00	9.873	883.0	11.2
APCY6385DH	40.00	369.8	353.4	40.00	12.55	887.6	11.3	358.3	402.0	40.00	10.69	860.0	10.7	345.6	456.6	40.00	9.083	829.5	10.1
	42.00	381.9	356.8	40.00	12.84	916.5	11.9	370.4	405.9	40.00	10.95	889.0	11.3	357.7	461.2	40.00	9.307	858.6	10.6
	44.00	396.2	360.7	40.00	13.18	951.0	12.7	384.5	410.3	40.00	11.24	922.9	12.0	371.5	466.4	40.00	9.558	891.7	11.3
	45.00	403.3	362.6	40.00	13.34	968.0	13.1	391.4	412.5	40.00	11.38	939.3	12.4	378.2	468.9	40.00	9.677	907.6	11.7
	48.00	422.2	367.6	40.00	13.78	1013	14.2	409.6	418.2	40.00	11.75	983.1	13.4	395.7	475.5	40.00	9.986	949.8	12.6
APCY6405DH	40.00	391.5	382.6	40.00	12.27	939.6	12.4	379.1	435.5	40.00	10.44	909.8	11.7	365.4	495.0	40.00	8.857	876.9	11.0
	42.00	403.6	386.3	40.00	12.53	968.8	13.1	391.3	439.9	40.00	10.67	939.3	12.4	377.7	500.2	40.00	9.062	906.6	11.7
	44.00	418.8	390.9	40.00	12.85	1005	14.0	406.3	445.2	40.00	10.95	975.2	13.2	392.4	506.3	40.00	9.300	941.8	12.4
	45.00	426.6	393.2	40.00	13.01	1023	14.4	413.8	447.8	40.00	11.08	993.1	13.7	399.6	509.3	40.00	9.416	959.1	12.9
	48.00	447.5	399.4	40.00	13.44	1073	15.8	433.8	454.8	40.00	11.44	1041	14.9	418.9	517.3	40.00	9.717	1005	14.0
APCY6410TH	40.00	394.8	375.5	44.00	12.61	947.5	11.2	383.1	427.1	44.00	10.76	919.5	10.7	370.1	485.3	44.00	9.150	888.2	10.1
	42.00	408.3	379.1	44.00	12.92	980.1	11.9	396.3	431.2	44.00	11.02	951.3	11.3	383.0	490.1	44.00	9.378	919.3	10.7
	44.00	422.1	382.7	44.00	13.23	1013	12.6	409.8	435.4	44.00	11.29	983.6	11.9	396.2	494.9	44.00	9.606	951.0	11.3
	45.00	429.3	384.6	44.00	13.39	1030	13.0	416.9	437.6	44.00	11.43	1000	12.3	403.2	497.4	44.00	9.727	967.8	11.7
	48.00	449.4	389.7	44.00	13.83	1078	14.0	436.3	443.4	44.00	11.80	1047	13.3	421.9	504.2	44.00	10.04	1012	12.6
APCY6425TH	40.00	411.0	397.8	44.00	12.39	986.5	12.0	398.8	452.8	44.00	10.56	957.1	11.4	385.1	514.8	44.00	8.977	924.4	10.8
	42.00	425.3	401.9	44.00	12.69	1020	12.8	412.7	457.4	44.00	10.82	990.6	12.1	398.7	520.1	44.00	9.198	957.0	11.4
	44.00	439.7	406.0	44.00	12.99	1055	13.5	426.8	462.1	44.00	11.08	1024	12.8	412.5	525.5	44.00	9.419	990.0	12.1
	45.00	447.3	408.1	44.00	13.15	1073	13.9	434.3	464.6	44.00	11.21	1042	13.2	419.8	528.4	44.00	9.534	1007	12.5
	48.00	468.8	414.0	44.00	13.58	1125	15.1	455.0	471.3	44.00	11.58	1092	14.3	439.8	536.1	44.00	9.842	1055	13.5
APCY6445TH	40.00	429.3	413.1	48.00	12.46	1030	13.0	416.8	469.9	48.00	10.64	1000	12.3	402.9	534.1	48.00	9.052	967.0	11.6
	42.00	444.5	417.2	48.00	12.78	1066	13.8	431.6	474.6	48.00	10.91	1035	13.1	417.3	539.5	48.00	9.282	1001	12.3
	44.00	459.7	421.3	48.00	13.09	1103	14.6	446.5	479.3	48.00	11.18	1071	13.8	431.9	544.9	48.00	9.511	1036	13.1
	45.00	467.8	423.4	48.00	13.25	1122	15.1	454.4	481.7	48.00	11.31	1090	14.3	439.6	547.7	48.00	9.631	1055	13.5
	48.00	491.1	429.4	48.00	13.72	1178	16.5	476.8	488.6	48.00	11.71	1144	15.6	461.2	555.6	48.00	9.960	1106	14.7
APCY6465TH	40.00	444.7	435.2	48.00	12.26	1067	13.8	431.8	495.4	48.00	10.45	1036	13.1	417.3	563.3	48.00	8.889	1001	12.3
	42.00	460.7	439.8	48.00	12.56	1105	14.7	447.3	500.6	48.00	10.72	1073	13.9	432.4	569.3	48.00	9.113	1037	13.1
	44.00	476.6	444.3	48.00	12.87	1144	15.6	462.8	505.8	48.00	10.98	1110	14.7	447.5	575.3	48.00	9.335	1074	13.9
	45.00	485.0	446.7	48.00	13.02	1164	16.1	471.1	508.5	48.00	11.11	1130	15.3	455.6	578.4	48.00	9.451	1093	14.4
	48.00	509.9	453.6	48.00	13.48	1223	17.7	495.0	516.4	48.00	11.50	1187	16.7	478.5	587.5	48.00	9.774	1148	15.7
APCY6480TH	40.00	459.5	457.7	48.00	12.04	1103	14.6	446.2	521.4	48.00	10.26	1070	13.9	431.2	593.2	48.00	8.723	1034	13.1
	42.00	476.3	462.8	48.00	12.34	1143	15.6	462.4	527.2	48.00	10.52	1109	14.8	446.9	599.8	48.00	8.941	1072	13.9
	44.00	493.0	467.9	48.00	12.64	1183	16.6	478.7	533.0	48.00	10.78	1148	15.7	462.7	606.4	48.00	9.156	1110	14.8
	45.00	501.8	470.5	48.00	12.79	1204	17.2	487.2	536.0	48.00	10.90	1169	16.2	471.1	609.9	48.00	9.268	1130	15.3
	48.00	528.2	478.4	48.00	13.24	1267	19.0	512.6	544.9	48.00	11.28	1230	17.9	495.4	620.1	48.00	9.587	1189	16.8
APCY6495TH	40.00	473.8	480.5	48.00	11.83	1137	15.4	460.1	547.9	48.00	10.07	1104	14.6	444.6	623.5	48.00	8.556	1067	13.8
	42.00	491.4	486.3	48.00	12.12	1179	16.5	477.1	554.4	48.00	10.32	1145	15.6	461.0	630.9	48.00	8.769	1106	14.7
	44.00	508.9	492.0	48.00	12.41	1221	17.7	494.0	560.8	48.00	10.57	1185	16.6	477.5	638.2	48.00	8.977	1146	15.6
	45.00	518.0	494.9	48.00	12.56	1243	18.3	502.9	564.1	48.00	10.69	1207	17.3	486.2	642.1	48.00	9.086	1166	16.2
	48.00	546.0	503.8	48.00	13.00	1310	20.4	529.8	574.1	48.00	11.07	1271	19.2	511.9	653.5	48.00	9.399	1228	17.9
APCY6510TH	40.00	487.5	503.7	48.00	11.61	1170	16.3	473.5	574.7	48.00	9.885	1136	15.4	457.5	654.4	48.00	8.390	1098	14.5
	42.00	506.0	510.2	48.00	11.90	1214	17.5	491.2	582.0	48.00	10.12	1179	16.5	474.7	662.5	48.00	8.597	1139	15.5
	44.00	524.1	516.4	48.00	12.17	1257	18.7	508.9	589.1	48.00	10.37	1221	17.6	491.8	670.6	48.00	8.800	1180	16.5
	45.00	533.8	519.7	48.00	12.32	1281	19.5	518.2	592.8	48.00	10.49	1243	18.3	500.8	674.8	48.00	8.905	1202	17.1
	48.00	563.4	529.7	48.00	12.76	1352	21.8	546.5	604.0	48.00	10.85	1311	20.4	527.9	687.6	48.00	9.212	1267	19.0

Table 15

Notes:

- Capacity ratings are based on following condition. Evaporator Water Temperature Change: 10°F Evaporator Fouling Factor: 0.000100 h ft².°F/Btu .
- Total power mentioned in this page should not be used for cable or fuse selection. Unit Maximum running current given in the electrical data pages (44 to 48) should be referred for the same.

capacity ratings - 60.hz (IP)

Model	LCWT °F	Condenser Entering Air Dry Bulb °F																	
		115.0						118.4						125.0					
		Capacity	Total Power ⁽²⁾	Fan Power ⁽²⁾	EER	WFR	WPD	Capacity	Total Power ⁽²⁾	Fan Power ⁽²⁾	EER	WFR	WPD	Capacity	Total Power ⁽²⁾	Fan Power ⁽²⁾	EER	WFR	WPD
		ton _e	kW	kW	Btu / W.h	gpm	ft H ₂ O	ton _e	kW	kW	Btu / W.h	gpm	ft H ₂ O	ton _e	kW	kW	Btu / W.h	gpm	ft H ₂ O
APCY6360DH	40.00	308.9	486.2	36.00	7.623	741.3	8.30	304.1	507.0	36.00	7.198	729.9	8.10	294.5	549.2	36.00	6.435	706.9	7.60
	42.00	320.5	491.7	36.00	7.822	769.2	8.80	315.7	512.8	36.00	7.389	757.8	8.60	306.1	555.7	36.00	6.609	734.7	8.20
	44.00	332.8	497.5	36.00	8.028	798.8	9.40	327.9	518.9	36.00	7.584	787.1	9.20	318.1	562.5	36.00	6.785	763.4	8.70
	45.00	338.6	500.2	36.00	8.122	812.6	9.70	333.6	521.7	36.00	7.673	800.7	9.50	323.6	565.7	36.00	6.865	776.7	9.00
	48.00	353.6	507.4	36.00	8.362	848.6	10.4	348.4	529.3	36.00	7.899	836.2	10.2	338.0	574.0	36.00	7.066	811.3	9.70
APCY6385DH	40.00	331.6	517.4	40.00	7.691	796.0	9.40	326.6	539.6	40.00	7.264	783.9	9.10	316.4	584.6	40.00	6.495	759.5	8.70
	42.00	343.8	522.9	40.00	7.889	825.2	10.0	338.8	545.4	40.00	7.454	813.1	9.70	328.6	591.1	40.00	6.671	788.7	9.20
	44.00	357.3	528.9	40.00	8.105	857.5	10.6	352.1	551.7	40.00	7.659	845.1	10.4	341.7	598.1	40.00	6.856	820.2	9.90
	45.00	363.7	531.8	40.00	8.206	872.8	10.9	358.4	554.7	40.00	7.754	860.3	10.7	347.9	601.4	40.00	6.941	835.0	10.2
	48.00	380.5	539.4	40.00	8.465	913.3	11.8	375.1	562.7	40.00	7.998	900.2	11.5	364.0	610.2	40.00	7.159	873.8	11.0
APCY6405DH	40.00	350.3	561.1	40.00	7.491	840.8	10.3	344.9	585.2	40.00	7.072	827.7	10.0	333.9	634.2	40.00	6.318	801.4	9.50
	42.00	362.8	567.3	40.00	7.673	870.7	10.9	357.4	591.7	40.00	7.247	857.8	10.6	346.5	641.5	40.00	6.481	831.6	10.1
	44.00	377.1	574.4	40.00	7.878	905.1	11.6	371.6	599.1	40.00	7.442	891.9	11.3	360.4	649.6	40.00	6.658	865.1	10.8
	45.00	384.1	577.8	40.00	7.976	921.8	12.0	378.4	602.7	40.00	7.535	908.3	11.7	367.1	653.5	40.00	6.741	881.2	11.1
	48.00	402.5	586.9	40.00	8.229	966.1	13.0	396.6	612.3	40.00	7.773	951.9	12.7	384.7	663.9	40.00	6.954	923.4	12.0
APCY6410TH	40.00	355.7	550.4	44.00	7.754	853.8	9.40	350.5	574.1	44.00	7.326	841.3	9.20	340.0	622.4	44.00	6.554	816.0	8.70
	42.00	368.3	555.9	44.00	7.951	884.1	10.0	363.0	579.8	44.00	7.513	871.4	9.80	352.3	628.6	44.00	6.725	845.6	9.30
	44.00	381.3	561.4	44.00	8.150	915.1	10.6	375.9	585.6	44.00	7.703	902.2	10.4	365.0	634.9	44.00	6.898	876.0	9.80
	45.00	388.1	564.3	44.00	8.254	931.6	10.9	382.7	588.7	44.00	7.802	918.6	10.7	371.7	638.3	44.00	6.988	892.2	10.2
	48.00	406.1	572.0	44.00	8.519	974.6	11.8	400.4	596.7	44.00	8.052	961.0	11.5	388.9	647.0	44.00	7.213	933.5	11.0
APCY6425TH	40.00	370.0	584.0	44.00	7.603	888.2	10.1	364.6	609.2	44.00	7.182	875.1	9.80	353.5	660.5	44.00	6.423	848.5	9.30
	42.00	383.3	590.1	44.00	7.794	919.9	10.7	377.7	615.6	44.00	7.363	906.6	10.4	366.4	667.5	44.00	6.587	879.5	9.90
	44.00	396.8	596.3	44.00	7.984	952.3	11.3	391.1	622.1	44.00	7.544	938.7	11.1	379.6	674.6	44.00	6.753	911.2	10.5
	45.00	403.9	599.6	44.00	8.084	969.5	11.7	398.2	625.6	44.00	7.639	955.8	11.4	386.7	678.4	44.00	6.839	928.0	10.9
	48.00	423.1	608.5	44.00	8.344	1015	12.6	417.1	634.8	44.00	7.884	1001	12.3	405.0	688.4	44.00	7.058	972.0	11.7
APCY6445TH	40.00	387.5	605.8	48.00	7.675	930.0	10.9	381.9	631.9	48.00	7.252	916.6	10.6	370.5	685.1	48.00	6.490	889.3	10.1
	42.00	401.5	612.0	48.00	7.873	963.6	11.6	395.8	638.4	48.00	7.439	949.9	11.3	384.2	692.2	48.00	6.660	922.1	10.7
	44.00	415.7	618.2	48.00	8.070	997.8	12.3	409.9	644.9	48.00	7.627	983.8	12.0	398.1	699.4	48.00	6.830	955.5	11.4
	45.00	423.3	621.5	48.00	8.173	1015	12.6	417.4	648.4	48.00	7.725	1001	12.4	405.5	703.2	48.00	6.919	973.3	11.8
	48.00	444.0	630.6	48.00	8.449	1065	13.7	437.8	657.9	48.00	7.985	1050	13.4	425.3	713.6	48.00	7.152	1020	12.8
APCY6465TH	40.00	401.2	639.1	48.00	7.533	963.0	11.6	395.4	666.7	48.00	7.116	949.0	11.3	383.6	723.0	48.00	6.366	920.6	10.7
	42.00	415.9	646.0	48.00	7.725	998.1	12.3	409.9	673.9	48.00	7.298	983.8	12.0	397.8	730.9	48.00	6.531	964.7	11.4
	44.00	430.7	652.9	48.00	7.915	1033	13.0	424.6	681.2	48.00	7.479	1019	12.7	412.2	738.9	48.00	6.695	989.4	12.1
	45.00	438.5	656.6	48.00	8.015	1052	13.4	432.4	685.1	48.00	7.574	1037	13.1	419.9	743.2	48.00	6.781	1007	12.5
	48.00	460.5	666.9	48.00	8.286	1105	14.6	454.0	695.9	48.00	7.829	1089	14.3	440.9	754.9	48.00	7.008	1058	13.6
APCY6480TH	40.00	414.5	673.1	48.00	7.389	994.8	12.2	408.4	702.2	48.00	6.980	980.3	11.9	396.1	761.4	48.00	6.243	950.7	11.3
	42.00	429.8	680.7	48.00	7.576	1031	13.0	423.5	710.2	48.00	7.157	1016	12.7	410.9	770.1	48.00	6.403	986.3	12.0
	44.00	445.2	688.4	48.00	7.760	1068	13.8	438.8	718.2	48.00	7.332	1053	13.5	425.9	779.0	48.00	6.561	1022	12.8
	45.00	453.3	692.4	48.00	7.856	1088	14.2	446.9	722.5	48.00	7.423	1072	13.9	433.9	783.7	48.00	6.644	1041	13.2
	48.00	476.6	704.1	48.00	8.122	1143	15.6	469.8	734.6	48.00	7.674	1127	15.2	456.1	797.0	48.00	6.867	1094	14.4
APCY6495TH	40.00	427.3	707.7	48.00	7.246	1025	12.9	421.0	738.2	48.00	6.844	1010	12.5	408.2	800.5	48.00	6.120	979.8	11.9
	42.00	443.2	716.1	48.00	7.427	1063	13.7	436.8	747.0	48.00	7.016	1048	13.3	423.6	810.1	48.00	6.275	1016	12.7
	44.00	459.2	724.5	48.00	7.606	1102	14.6	452.6	755.9	48.00	7.185	1086	14.2	439.2	819.8	48.00	6.428	1054	13.5
	45.00	467.7	729.0	48.00	7.698	1122	15.1	461.0	760.6	48.00	7.273	1106	14.7	447.5	825.0	48.00	6.508	1074	13.9
	48.00	492.2	742.0	48.00	7.960	1181	16.6	485.2	774.3	48.00	7.519	1164	16.1	470.9	839.9	48.00	6.727	1130	15.2
APCY6510TH	40.00	439.7	742.8	48.00	7.103	1055	13.5	433.2	774.9	48.00	6.708	1039	13.2	419.9	840.2	48.00	5.998	1007	12.5
	42.00	456.2	752.0	48.00	7.280	1095	14.4	449.5	784.6	48.00	6.876	1079	14.0	435.9	850.7	48.00	6.149	1046	13.3
	44.00	472.8	761.3	48.00	7.453	1134	15.4	465.9	794.3	48.00	7.039	1118	15.0	452.0	861.4	48.00	6.297	1084	14.2
	45.00	481.6	766.2	48.00	7.542	1155	15.9	474.7	799.4	48.00	7.125	1139	15.5	460.6	867.1	48.00	6.374	1105	14.7
	48.00	507.5	780.8	48.00	7.799	1217	17.6	500.1	814.7	48.00	7.366	1200	17.1	485.2	883.8	48.00	6.588	1164	16.1

Table 16

Notes:

- Capacity ratings are based on following condition. Evaporator Water Temperature Change: 10°F Evaporator Fouling Factor: 0.000100 h ft².°F/Btu .
- Total power mentioned in this page should not be used for cable or fuse selection. Unit Maximum running current given in the electrical data pages (44 to 48) should be referred for the same.



capacity ratings - 50.hz (SI)

Model	LWT	Condenser Entering Air Dry Bulb °C																	
		32.0						35.0						38.0					
		Capacity	Total Power ⁽²⁾	Fan Power ⁽²⁾	COP	WFR	WPD	Capacity	Total Power ⁽²⁾	Fan Power ⁽²⁾	COP	WFR	WPD	Capacity	Total Power ⁽²⁾	Fan Power ⁽²⁾	COP	WFR	WPD
	°C	kW	kW	kW	W/W	L/s	kPa	kW	kW	kW	W/W	L/s	kPa	kW	kW	kW	W/W	L/s	kPa
APCY5080DH	5.00	274.0	76.75	9.000	3.570	13.11	34.3	267.2	81.44	9.000	3.281	12.78	32.7	260.2	86.41	9.000	3.011	12.44	31.1
	6.00	284.0	77.46	9.000	3.667	13.58	36.8	277.1	82.21	9.000	3.370	13.25	35.1	269.9	87.24	9.000	3.093	12.91	33.3
	7.00	294.8	78.21	9.000	3.769	14.10	39.5	287.5	83.02	9.000	3.463	13.75	37.6	280.0	88.10	9.000	3.178	13.39	35.8
	8.00	304.8	78.91	9.000	3.863	14.58	42.1	297.2	83.76	9.000	3.548	14.21	40.1	289.4	88.89	9.000	3.255	13.84	38.1
	9.00	315.0	79.62	9.000	3.956	15.06	44.9	307.1	84.51	9.000	3.633	14.68	42.7	298.9	89.69	9.000	3.332	14.30	40.6
APCY5085DH	5.00	289.4	81.55	9.000	3.549	13.84	38.1	282.6	86.63	9.000	3.262	13.52	36.4	275.6	92.03	9.000	2.994	13.18	34.7
	6.00	299.7	82.35	9.000	3.639	14.33	40.8	292.8	87.51	9.000	3.346	14.00	39.0	285.6	92.98	9.000	3.071	13.66	37.2
	7.00	311.3	83.25	9.000	3.739	14.89	43.9	304.1	88.48	9.000	3.437	14.55	41.9	296.5	94.01	9.000	3.154	14.18	39.9
	8.00	322.3	84.10	9.000	3.832	15.42	47.0	314.7	89.38	9.000	3.520	15.05	44.8	306.7	94.95	9.000	3.230	14.67	42.6
	9.00	333.2	84.94	9.000	3.922	15.93	50.1	325.2	90.27	9.000	3.602	15.55	47.8	316.9	95.89	9.000	3.304	15.16	45.4
APCY5090DH	5.00	304.4	86.44	9.000	3.521	14.56	42.0	297.6	91.93	9.000	3.237	14.23	40.2	290.5	97.77	9.000	2.971	13.89	38.4
	6.00	314.8	87.33	9.000	3.605	15.06	44.9	308.0	92.91	9.000	3.314	14.73	43.0	300.8	98.84	9.000	3.043	14.39	41.1
	7.00	327.3	88.39	9.000	3.702	15.65	48.4	320.0	94.05	9.000	3.403	15.31	46.3	312.5	100.0	9.000	3.123	14.94	44.2
	8.00	339.2	89.41	9.000	3.794	16.22	51.9	331.5	95.13	9.000	3.485	15.85	49.6	323.5	101.1	9.000	3.197	15.47	47.3
	9.00	350.8	90.40	9.000	3.880	16.78	55.4	342.7	96.17	9.000	3.563	16.39	53.0	334.4	102.2	9.000	3.269	15.99	50.5
APCY5095DH	5.00	319.6	94.05	9.000	3.397	15.28	46.2	312.3	100.0	9.000	3.121	14.93	44.2	304.6	106.3	9.000	2.863	14.57	42.1
	6.00	329.9	95.01	9.000	3.472	15.78	49.2	322.7	101.0	9.000	3.192	15.43	47.1	315.1	107.5	9.000	2.929	15.07	44.9
	7.00	343.2	96.24	9.000	3.565	16.41	53.1	335.5	102.3	9.000	3.277	16.05	50.8	327.5	108.9	9.000	3.007	15.66	48.4
	8.00	356.1	97.44	9.000	3.654	17.03	57.1	347.8	103.6	9.000	3.355	16.63	54.5	339.4	110.2	9.000	3.079	16.23	51.9
	9.00	368.4	98.58	9.000	3.737	17.62	61.1	359.9	104.8	9.000	3.431	17.21	58.3	350.9	111.4	9.000	3.148	16.78	55.5
APCY5105DH	5.00	360.9	99.65	12.00	3.622	17.26	42.3	352.1	105.7	12.00	3.329	16.84	40.3	342.9	112.2	12.00	3.055	16.40	38.4
	6.00	373.4	100.5	12.00	3.713	17.86	45.1	364.2	106.7	12.00	3.413	17.42	43.0	354.8	113.2	12.00	3.131	16.97	40.9
	7.00	385.6	101.4	12.00	3.802	18.44	48.0	376.2	107.6	12.00	3.494	18.00	45.7	366.4	114.2	12.00	3.206	17.53	43.5
	8.00	398.9	102.3	12.00	3.897	19.08	51.2	389.2	108.6	12.00	3.581	18.62	48.9	379.2	115.3	12.00	3.287	18.14	46.5
	9.00	410.3	103.1	12.00	3.977	19.62	54.1	400.2	109.5	12.00	3.654	19.14	51.5	389.7	116.2	12.00	3.351	18.64	49.0
APCY5115DH	5.00	384.7	110.1	12.00	3.491	18.40	47.8	374.1	116.8	12.00	3.201	17.89	45.3	363.1	123.7	12.00	2.933	17.37	42.8
	6.00	397.9	111.2	12.00	3.575	19.03	51.0	387.0	118.0	12.00	3.279	18.51	48.3	375.7	125.0	12.00	3.005	17.97	45.7
	7.00	410.7	112.3	12.00	3.655	19.64	54.2	399.5	119.1	12.00	3.353	19.11	51.3	387.9	126.1	12.00	3.073	18.55	48.5
	8.00	424.3	113.4	12.00	3.739	20.29	57.7	412.9	120.3	12.00	3.430	19.75	54.7	400.9	127.4	12.00	3.145	19.18	51.7
	9.00	437.0	114.5	12.00	3.815	20.90	61.1	425.1	121.4	12.00	3.500	20.33	57.9	412.7	128.6	12.00	3.208	19.74	54.7
APCY5125DH	5.00	428.5	121.5	12.00	3.524	20.49	39.8	416.2	128.7	12.00	3.232	19.91	37.6	403.4	136.1	12.00	2.963	19.29	35.5
	6.00	444.9	123.0	12.00	3.615	21.28	42.8	432.4	130.3	12.00	3.318	20.68	40.5	419.3	137.7	12.00	3.044	20.05	38.2
	7.00	462.0	124.6	12.00	3.707	22.10	46.0	448.8	131.9	12.00	3.402	21.47	43.5	434.9	139.3	12.00	3.120	20.80	40.9
	8.00	476.1	125.9	12.00	3.781	22.77	48.8	462.3	133.2	12.00	3.469	22.11	46.1	447.9	140.7	12.00	3.182	21.42	43.3
	9.00	495.9	127.7	12.00	3.881	23.72	52.9	482.2	135.2	12.00	3.565	23.06	50.1	468.0	142.9	12.00	3.274	22.38	47.2
APCY5130DH	5.00	443.7	129.3	12.00	3.429	21.22	42.6	431.1	136.9	12.00	3.148	20.62	40.3	417.8	144.7	12.00	2.887	19.98	37.9
	6.00	460.3	130.9	12.00	3.515	22.02	45.7	447.6	138.6	12.00	3.228	21.41	43.3	434.1	146.5	12.00	2.962	20.76	40.8
	7.00	478.5	132.7	12.00	3.605	22.89	49.3	464.9	140.4	12.00	3.311	22.24	46.6	450.6	148.3	12.00	3.037	21.55	43.9
	8.00	493.3	134.1	12.00	3.677	23.59	52.4	479.2	141.9	12.00	3.375	22.92	49.4	464.3	149.9	12.00	3.096	22.21	46.5
	9.00	513.1	136.1	12.00	3.769	24.54	56.6	499.1	144.0	12.00	3.464	23.87	53.6	484.4	152.2	12.00	3.181	23.17	50.5
APCY5140DH	5.00	469.8	133.0	15.00	3.531	22.47	47.6	457.6	140.8	15.00	3.248	21.89	45.2	444.5	148.9	15.00	2.984	21.26	42.7
	6.00	486.9	134.3	15.00	3.623	23.29	51.0	474.7	142.2	15.00	3.336	22.70	48.5	461.6	150.5	15.00	3.066	22.08	46.0
	7.00	507.4	135.9	15.00	3.732	24.27	55.4	494.3	143.9	15.00	3.433	23.65	52.5	480.3	152.2	15.00	3.154	22.97	49.7
	8.00	524.1	137.2	15.00	3.817	25.07	59.0	510.3	145.3	15.00	3.510	24.41	56.0	495.6	153.7	15.00	3.224	23.70	52.8
	9.00	543.9	138.9	15.00	3.915	26.02	63.5	530.4	147.1	15.00	3.604	25.37	60.4	516.0	155.6	15.00	3.314	24.68	57.2
APCY5155DH	5.00	535.1	145.7	15.00	3.670	25.59	27.9	526.0	156.2	15.00	3.366	25.16	27.0	516.4	167.5	15.00	3.082	24.70	26.1
	6.00	550.0	146.7	15.00	3.746	26.30	29.3	540.7	157.3	15.00	3.435	25.86	28.4	530.8	168.7	15.00	3.145	25.39	27.5
	7.00	567.1	147.9	15.00	3.834	27.13	31.1	557.8	158.6	15.00	3.516	26.68	30.1	547.9	170.1	15.00	3.219	26.21	29.1
	8.00	582.8	149.5	15.00	3.963	28.35	33.7	583.5	160.5	15.00	3.635	27.91	32.8	573.7	172.3	15.00	3.328	27.44	31.7
	9.00	599.3	149.9	15.00	3.995	28.66	34.4	589.6	160.9	15.00	3.662	28.20	33.4	579.4	172.8	15.00	3.352	27.71	32.3
APCY5165DH	5.00	561.6	155.4	15.00	3.613	26.86	30.5	551.9	166.7	15.00	3.310	26.40	29.5	541.7	178.8	15.00	3.029	25.91	28.5
	6.00	577.4	156.5	15.00	3.687	27.62	32.1	567.5	168.0	15.00	3.377	27.14	31.1	557.0	180.2	15.00	3.090	26.64	30.1
	7.00	595.1	157.8	15.00	3.769	28.46	34.0	585.2	169.4	15.00	3.453	27.99	32.9	574.7	181.9	15.00	3.159	27.49	31.8
	8.00	621.3	159.8	15.00	3.886	29.71	36.7	611.4	171.6	15.00	3.561	29.24	35.7	601.0	184.3	15.00	3.259	28.74	34.6
	9.00	629.1	160.4	15.00	3.921	30.09	37.6	618.8	172.3	15.00	3.591	29.60	36.5	607.9	185.0	15.00	3.285	29.08	35.3

Table 17

Notes:

- Capacity ratings are based on following condition. Evaporator Water Temperature Change: 5°C Evaporator Fouling Factor: 0.0176m² K/kW.
- Total power mentioned in this page should not be used for cable or fuse selection. Unit maximum running current given in the data pages (44 to 48) should be referred for the same.



capacity ratings - 50.hz (SI)

Model	LWT	Condenser Entering Air Dry Bulb °C																	
		32.0						35.0						38.0					
		Capacity	Total Power ⁽²⁾	Fan Power ⁽²⁾	COP	WFR	WPD	Capacity	Total Power ⁽²⁾	Fan Power ⁽²⁾	COP	WFR	WPD	Capacity	Total Power ⁽²⁾	Fan Power ⁽²⁾	COP	WFR	WPD
	°C	kW	kW	kW	W/W	L/s	kPa	kW	kW	kW	W/W	L/s	kPa	kW	kW	kW	W/W	L/s	kPa
APCY5175DH	5.00	587.6	165.3	15.00	3.554	28.10	33.2	577.3	177.4	15.00	3.254	27.61	32.1	566.5	190.3	15.00	2.976	27.09	31.0
	6.00	604.3	166.6	15.00	3.625	28.90	34.9	593.8	178.9	15.00	3.318	28.40	33.8	582.7	192.0	15.00	3.034	27.87	32.7
	7.00	622.6	168.1	15.00	3.701	29.78	36.9	612.0	180.6	15.00	3.388	29.28	35.7	600.9	193.9	15.00	3.098	28.74	34.6
	8.00	649.1	170.4	15.00	3.809	31.05	39.8	638.6	183.1	15.00	3.486	30.55	38.6	627.6	196.7	15.00	3.190	30.02	37.4
	9.00	658.3	171.2	15.00	3.845	31.49	40.8	647.4	183.9	15.00	3.518	30.96	39.6	635.9	197.5	15.00	3.218	30.41	38.3
APCY5185DH	5.00	622.6	178.7	15.00	3.483	29.78	36.9	611.5	191.8	15.00	3.187	29.25	35.7	599.8	205.8	15.00	2.913	28.69	34.5
	6.00	640.7	180.3	15.00	3.551	30.64	38.9	629.3	193.7	15.00	3.248	30.10	37.6	617.3	207.9	15.00	2.969	29.53	36.3
	7.00	659.6	182.1	15.00	3.621	31.55	41.0	648.2	195.6	15.00	3.313	31.01	39.7	636.2	210.0	15.00	3.028	30.43	38.4
	8.00	686.6	184.6	15.00	3.718	32.84	44.1	675.3	198.4	15.00	3.402	32.30	42.8	663.4	213.1	15.00	3.111	31.73	41.4
	9.00	697.7	185.6	15.00	3.757	33.37	45.4	685.9	199.5	15.00	3.436	32.81	44.0	673.5	214.3	15.00	3.142	32.21	42.6
APCY5195DH	5.00	666.1	184.4	18.00	3.611	31.86	41.7	654.8	197.8	18.00	3.310	31.32	40.4	642.8	212.1	18.00	3.029	30.75	39.1
	6.00	686.0	185.9	18.00	3.689	32.81	44.0	674.4	199.5	18.00	3.380	32.26	42.7	662.1	214.0	18.00	3.093	31.67	41.3
	7.00	705.9	187.4	18.00	3.766	33.76	46.4	694.2	201.2	18.00	3.450	33.21	44.9	681.9	215.9	18.00	3.157	32.62	43.5
	8.00	733.7	189.5	18.00	3.870	35.09	49.8	722.1	203.6	18.00	3.545	34.54	48.3	709.8	218.6	18.00	3.246	33.95	46.9
	9.00	747.4	190.6	18.00	3.920	35.75	51.5	735.3	204.8	18.00	3.590	35.17	50.0	722.5	219.8	18.00	3.286	34.56	48.4
APCY5210DH	5.00	713.2	202.8	18.00	3.515	34.11	47.3	700.9	217.7	18.00	3.219	33.52	45.8	687.8	233.6	18.00	2.944	32.90	44.2
	6.00	735.1	204.7	18.00	3.590	35.16	50.0	722.4	219.8	18.00	3.286	34.55	48.4	709.0	235.9	18.00	3.005	33.91	46.8
	7.00	755.9	206.5	18.00	3.659	36.16	52.6	743.1	221.8	18.00	3.350	35.55	50.9	729.7	238.1	18.00	3.063	34.90	49.3
	8.00	784.2	209.0	18.00	3.751	37.51	56.3	771.5	224.6	18.00	3.434	36.90	54.6	758.1	241.2	18.00	3.143	36.26	52.9
	9.00	800.8	210.4	18.00	3.804	38.30	58.5	787.5	226.1	18.00	3.481	37.67	56.7	773.5	242.8	18.00	3.185	37.00	54.9
APCY5230DH	5.00	781.9	224.3	18.00	3.485	37.40	35.7	767.9	240.8	18.00	3.188	36.73	34.6	753.2	258.5	18.00	2.913	36.03	33.3
	6.00	807.2	226.7	18.00	3.559	38.61	37.9	792.9	243.5	18.00	3.255	37.93	36.7	778.0	261.4	18.00	2.975	37.21	35.4
	7.00	832.6	229.2	18.00	3.631	39.82	40.2	818.2	246.3	18.00	3.321	39.14	38.9	802.9	264.4	18.00	3.036	38.40	37.6
	8.00	858.1	231.7	18.00	3.702	41.04	42.5	843.4	249.0	18.00	3.386	40.34	41.2	827.9	267.4	18.00	3.095	39.60	39.8
	9.00	884.8	234.4	18.00	3.774	42.32	45.0	869.9	251.9	18.00	3.452	41.61	43.6	854.2	270.5	18.00	3.157	40.86	42.2
APCY5250DH	5.00	843.2	236.1	21.00	3.570	40.33	41.2	828.7	253.4	21.00	3.269	39.64	39.8	813.3	271.9	21.00	2.990	38.90	38.5
	6.00	870.6	238.5	21.00	3.649	41.64	43.7	855.8	256.1	21.00	3.341	40.93	42.3	840.1	274.8	21.00	3.056	40.18	40.9
	7.00	898.3	240.9	21.00	3.728	42.97	46.3	883.2	258.7	21.00	3.413	42.25	44.8	867.3	277.7	21.00	3.122	41.48	43.4
	8.00	926.1	243.3	21.00	3.806	44.29	49.0	910.7	261.4	21.00	3.483	43.56	47.5	894.5	280.6	21.00	3.187	42.79	45.9
	9.00	955.0	245.8	21.00	3.884	45.68	51.9	939.4	264.1	21.00	3.556	44.93	50.3	923.0	283.6	21.00	3.253	44.15	48.7
APCY5265DH	5.00	893.6	256.8	21.00	3.478	42.74	45.8	877.8	275.7	21.00	3.183	41.99	44.4	861.2	295.9	21.00	2.909	41.19	42.8
	6.00	922.5	259.6	21.00	3.553	44.13	48.6	906.5	278.8	21.00	3.251	43.36	47.1	889.6	299.3	21.00	2.972	42.55	45.5
	7.00	951.9	262.4	21.00	3.627	45.53	51.6	935.6	281.9	21.00	3.318	44.76	49.9	918.5	302.7	21.00	3.034	43.93	48.2
	8.00	981.4	265.2	21.00	3.699	46.94	54.6	964.8	285.0	21.00	3.384	46.15	52.9	947.4	306.1	21.00	3.094	45.31	51.1
	9.00	1012	268.2	21.00	3.772	48.41	57.8	995.2	288.3	21.00	3.451	47.60	56.0	977.5	309.6	21.00	3.157	46.75	54.2
APCY5285DH	5.00	973.6	270.6	24.00	3.597	46.57	24.6	956.7	290.4	24.00	3.294	45.76	23.9	938.9	311.5	24.00	3.013	44.91	23.1
	6.00	1006	273.3	24.00	3.680	48.12	26.1	988.9	293.5	24.00	3.369	47.30	25.3	970.8	315.0	24.00	3.081	46.43	24.5
	7.00	1036	276.0	24.00	3.756	49.60	27.5	1019	296.4	24.00	3.438	48.76	26.6	1000.0	318.2	24.00	3.144	47.86	25.8
	8.00	1063	278.3	24.00	3.821	50.88	28.7	1045	299.0	24.00	3.496	50.02	27.8	1026.0	320.9	24.00	3.198	49.11	27.0
	9.00	1087	280.4	24.00	3.877	52.02	29.7	1069	301.2	24.00	3.548	51.13	28.9	1049.0	323.4	24.00	3.245	50.20	28.0
APCY5300DH	5.00	1024	291.4	24.00	3.515	49.00	26.9	1006	312.8	24.00	3.217	48.14	26.1	987.4	335.6	24.00	2.941	47.23	25.2
	6.00	1058	294.6	24.00	3.592	50.64	28.4	1040	316.4	24.00	3.287	49.76	27.6	1020	339.6	24.00	3.005	48.83	26.7
	7.00	1091	297.7	24.00	3.665	52.21	29.9	1072	319.8	24.00	3.354	51.31	29.0	1052	343.3	24.00	3.066	50.36	28.2
	8.00	1120	300.5	24.00	3.728	53.61	31.3	1101	322.9	24.00	3.410	52.68	30.4	1080	346.6	24.00	3.118	51.70	29.4
	9.00	1146	303.0	24.00	3.782	54.83	32.5	1126	325.5	24.00	3.459	53.88	31.5	1105	349.5	24.00	3.163	52.88	30.6
APCY5325DH	5.00	1100	308.9	27.00	3.561	52.62	30.3	1081	331.5	27.00	3.261	51.71	29.5	1061	355.6	27.00	2.983	50.75	28.5
	6.00	1136	312.1	27.00	3.641	54.37	32.0	1117	335.1	27.00	3.334	53.45	31.1	1097	359.6	27.00	3.050	52.48	30.2
	7.00	1173	315.3	27.00	3.720	56.12	33.8	1153	338.6	27.00	3.406	55.18	32.8	1132	363.5	27.00	3.115	54.17	31.8
	8.00	1206	318.2	27.00	3.789	57.69	35.4	1185	341.8	27.00	3.468	56.71	34.4	1164	366.9	27.00	3.172	55.68	33.3
	9.00	1235	320.8	27.00	3.849	59.07	36.8	1214	344.6	27.00	3.522	58.07	35.8	1191	369.9	27.00	3.221	57.01	34.7

Table 19

Notes:

- Capacity ratings are based on following condition. Evaporator Water Temperature Change: 5°C Evaporator Fouling Factor: 0.0176m² K/kW.
- Total power mentioned in this page should not be used for cable or fuse selection. Unit maximum running current given in the data pages (44 to 48) should be referred for the same.

capacity ratings - 50.hz (SI)

Model	LWT °C	Condenser Entering Air Dry Bulb °C																	
		45.0						48						51.7					
		Capacity kW	Total Power ⁽²⁾ kW	Fan Power ⁽²⁾ kW	COP WW	WFR L/s	WPD kPa	Capacity kW	Total Power ⁽²⁾ kW	Fan Power ⁽²⁾ kW	COP WW	WFR L/s	WPD kPa	Capacity kW	Total Power ⁽²⁾ kW	Fan Power ⁽²⁾ kW	COP WW	WFR L/s	WPD kPa
APCY5175DH	5.00	539.0	223.8	15.00	2.408	25.78	28.3	526.2	239.5	15.00	2.196	25.17	27.0	509.6	260.3	15.00	1.967	24.37	25.4
	6.00	554.6	225.8	15.00	2.455	26.53	29.8	541.6	241.7	15.00	2.240	25.91	28.5	524.7	262.6	15.00	1.997	25.10	26.9
	7.00	572.7	228.1	15.00	2.509	27.39	31.6	559.7	244.2	15.00	2.291	26.77	30.3	542.8	265.3	15.00	2.045	25.96	28.6
	8.00	599.7	231.6	15.00	2.589	28.68	34.4	586.8	247.9	15.00	2.366	28.07	33.1	570.1	269.4	15.00	2.116	27.27	31.4
	9.00	606.8	232.5	15.00	2.609	29.02	35.2	593.4	248.8	15.00	2.384	28.38	33.8	575.9	270.2	15.00	2.131	27.55	32.0
APCY5185DH	5.00	570.1	242.1	15.00	2.354	27.27	31.4	556.4	259.2	15.00	2.146	26.61	30.0	538.4	281.6	15.00	1.911	25.75	28.2
	6.00	587.0	244.5	15.00	2.400	28.08	33.1	573.0	261.7	15.00	2.189	27.40	31.7	554.7	284.3	15.00	1.951	26.53	29.8
	7.00	605.7	247.1	15.00	2.450	28.97	35.1	591.7	264.5	15.00	2.236	28.30	33.6	573.4	287.3	15.00	1.995	27.43	31.7
	8.00	633.2	250.9	15.00	2.523	30.29	38.0	619.3	268.5	15.00	2.305	29.62	36.5	601.3	291.7	15.00	2.061	28.76	34.6
	9.00	642.0	252.1	15.00	2.546	30.71	39.0	627.5	269.7	15.00	2.326	30.01	37.4	608.7	292.8	15.00	2.078	29.11	35.4
APCY5195DH	5.00	612.3	249.3	18.00	2.455	29.29	35.8	598.1	266.9	18.00	2.240	28.61	34.3	579.5	290.0	18.00	1.998	27.72	32.3
	6.00	630.9	251.6	18.00	2.507	30.18	37.8	616.4	269.2	18.00	2.288	29.48	36.2	597.5	292.5	18.00	2.042	28.58	34.2
	7.00	650.6	253.9	18.00	2.561	31.12	40.0	636.1	271.8	18.00	2.340	30.42	38.4	617.2	295.2	18.00	2.090	29.52	36.3
	8.00	678.9	257.2	18.00	2.638	32.47	43.2	664.5	275.3	18.00	2.413	31.78	41.5	645.9	299.1	18.00	2.159	30.89	39.4
	9.00	690.1	258.5	18.00	2.668	33.01	44.5	675.2	276.6	18.00	2.440	32.29	42.8	655.7	300.4	18.00	2.182	31.36	40.5
APCY5210DH	5.00	654.6	274.6	18.00	2.382	31.31	40.4	639.1	294.0	18.00	2.173	30.57	38.7	618.9	319.4	18.00	1.937	29.60	36.5
	6.00	674.9	277.4	18.00	2.432	32.28	42.7	659.1	296.8	18.00	2.220	31.52	40.9	638.5	322.4	18.00	1.979	30.54	38.6
	7.00	695.5	280.1	18.00	2.482	33.26	45.1	679.6	299.7	18.00	2.267	32.51	43.3	659.0	325.6	18.00	2.023	31.52	40.9
	8.00	724.3	283.8	18.00	2.551	34.64	48.6	708.7	303.8	18.00	2.332	33.90	46.7	688.4	330.0	18.00	2.085	32.93	44.3
	9.00	738.1	285.6	18.00	2.584	35.31	50.3	721.8	305.6	18.00	2.361	34.52	48.3	700.6	331.8	18.00	2.111	33.51	45.7
APCY5230DH	5.00	715.9	303.9	18.00	2.355	34.24	30.3	698.6	325.3	18.00	2.147	33.42	28.9	676.1	353.3	18.00	1.913	32.34	27.1
	6.00	740.1	307.4	18.00	2.407	35.40	32.2	722.6	329.0	18.00	2.196	34.56	30.8	699.9	357.2	18.00	1.958	33.48	29.0
	7.00	764.5	310.9	18.00	2.458	36.57	34.3	746.8	332.7	18.00	2.244	35.72	32.8	723.7	361.2	18.00	2.003	34.62	30.9
	8.00	788.9	314.4	18.00	2.508	37.73	36.3	770.9	336.3	18.00	2.291	36.87	34.8	747.6	365.1	18.00	2.047	35.76	32.9
	9.00	814.7	318.0	18.00	2.561	38.97	38.6	796.5	340.2	18.00	2.341	38.10	37.0	772.9	369.1	18.00	2.093	36.97	35.0
APCY5250DH	5.00	774.2	319.7	21.00	2.421	37.03	35.1	756.1	342.2	21.00	2.209	36.16	33.6	732.4	371.8	21.00	1.969	35.03	31.6
	6.00	800.5	323.2	21.00	2.476	38.29	37.3	782.1	345.9	21.00	2.260	37.41	35.8	758.2	375.7	21.00	2.017	36.27	33.7
	7.00	827.0	326.6	21.00	2.531	39.56	39.7	808.4	349.6	21.00	2.312	38.67	38.0	784.2	379.6	21.00	2.065	37.51	35.9
	8.00	853.6	330.1	21.00	2.585	40.83	42.1	834.7	353.2	21.00	2.363	39.93	40.4	810.2	383.5	21.00	2.112	38.75	38.2
	9.00	881.6	333.6	21.00	2.642	42.17	44.7	862.5	357.0	21.00	2.415	41.25	42.9	837.6	387.6	21.00	2.160	40.06	40.6
APCY5265DH	5.00	819.0	348.0	21.00	2.353	39.17	39.0	799.5	372.5	21.00	2.145	38.24	37.3	774.0	404.7	21.00	1.912	37.02	35.1
	6.00	846.8	352.0	21.00	2.405	40.50	41.5	827.0	376.8	21.00	2.194	39.56	39.7	801.2	409.3	21.00	1.957	38.32	37.4
	7.00	874.9	356.1	21.00	2.456	41.85	44.1	854.9	381.1	21.00	2.242	40.89	42.2	828.7	413.9	21.00	2.001	39.64	39.8
	8.00	903.2	360.1	21.00	2.508	43.20	46.8	882.8	385.3	21.00	2.290	42.22	44.8	856.2	418.5	21.00	2.045	40.95	42.3
	9.00	932.7	364.2	21.00	2.560	44.61	49.6	912.0	389.7	21.00	2.339	43.62	47.6	885.1	423.2	21.00	2.091	42.34	45.0
APCY5285DH	5.00	893.7	366.3	24.00	2.439	42.75	21.0	872.8	392.0	24.00	2.226	41.74	20.1	845.5	425.9	24.00	1.985	40.44	18.8
	6.00	924.9	370.4	24.00	2.496	44.24	22.4	903.6	396.4	24.00	2.279	43.22	21.5	875.9	430.5	24.00	2.034	41.89	20.2
	7.00	953.6	374.1	24.00	2.548	45.61	23.7	931.9	400.3	24.00	2.327	44.57	22.8	903.5	434.7	24.00	2.078	43.22	21.5
	8.00	978.5	377.3	24.00	2.593	46.80	24.8	956.3	403.6	24.00	2.368	45.74	23.9	927.3	438.2	24.00	2.116	44.35	22.6
	9.00	1000	380.1	24.00	2.631	47.85	25.8	977.8	406.6	24.00	2.404	46.77	24.8	948.3	441.3	24.00	2.148	45.36	23.5
APCY5300DH	5.00	938.9	394.7	24.00	2.378	44.91	23.1	916.5	422.5	24.00	2.169	43.84	22.1	887.3	459.0	24.00	1.932	42.44	20.7
	6.00	971.7	399.4	24.00	2.432	46.48	24.5	949.0	427.4	24.00	2.220	45.39	23.5	919.4	464.2	24.00	1.980	43.98	22.2
	7.00	1002	403.7	24.00	2.483	47.95	25.9	979.2	431.9	24.00	2.266	46.84	24.9	949.0	468.9	24.00	2.023	45.39	23.5
	8.00	1029	407.4	24.00	2.526	49.23	27.1	1005	435.8	24.00	2.307	48.10	26.1	974.6	473.0	24.00	2.060	46.62	24.7
	9.00	1053	410.6	24.00	2.563	50.36	28.2	1028	439.2	24.00	2.342	49.20	27.1	997.2	476.5	24.00	2.092	47.70	25.7
APCY5325DH	5.00	1010	418.1	27.00	2.415	48.31	26.3	986.4	447.5	27.00	2.204	47.18	25.2	955.5	486.1	27.00	1.965	45.70	23.8
	6.00	1045	422.9	27.00	2.472	50.00	27.8	1021	452.6	27.00	2.256	48.86	26.8	990.2	491.6	27.00	2.014	47.36	25.4
	7.00	1079	427.4	27.00	2.525	51.63	29.4	1055	457.3	27.00	2.306	50.46	28.3	1023	496.7	27.00	2.059	48.93	26.8
	8.00	1109	431.3	27.00	2.572	53.07	30.8	1084	461.5	27.00	2.349	51.87	29.6	1051	501.0	27.00	2.098	50.30	28.1
	9.00	1136	434.8	27.00	2.612	54.34	32.0	1110	465.1	27.00	2.387	53.11	30.8	1077	504.9	27.00	2.133	51.51	29.3

Table 20

Notes:

- Capacity ratings are based on following condition. Evaporator Water Temperature Change: **5°C** Evaporator Fouling Factor: **0.0176m² K/kW**.
- Total power mentioned in this page should not be used for cable or fuse selection. Unit maximum running current given in the data pages (44 to 48) should be referred for the same.



capacity ratings - 50.hz (SI)

Model	LWT	Condenser Entering Air Dry Bulb °C																	
		32.0						35.0						38.0					
		Capacity	Total Power (2)	Fan Power (2)	COP	WFR	WPD	Capacity	Total Power (2)	Fan Power (2)	COP	WFR	WPD	Capacity	Total Power (2)	Fan Power (2)	COP	WFR	WPD
	°C	kW	kW	kW	W/W	L/s	kPa	kW	kW	kW	W/W	L/s	kPa	kW	kW	kW	W/W	L/s	kPa
APCY5345DH	5.00	1164	335.4	27.00	3.471	55.70	33.3	1143	360.0	27.00	3.177	54.71	32.4	1122	386.3	27.00	2.904	53.68	31.3
	6.00	1202	339.1	27.00	3.546	57.53	35.2	1182	364.1	27.00	3.245	56.54	34.2	1160	390.8	27.00	2.967	55.49	33.1
	7.00	1242	342.9	27.00	3.622	59.42	37.2	1220	368.3	27.00	3.314	58.40	36.1	1198	395.4	27.00	3.030	57.32	35.0
	8.00	1278	346.4	27.00	3.689	61.13	39.1	1256	372.1	27.00	3.374	60.08	37.9	1232	399.5	27.00	3.085	58.97	36.7
	9.00	1309	349.5	27.00	3.747	62.65	40.9	1287	375.5	27.00	3.427	61.57	39.6	1263	403.2	27.00	3.133	60.43	38.3
APCY5365TH	5.00	1229	347.7	30.00	3.536	58.82	32.7	1208	373.2	30.00	3.238	57.82	31.8	1186	400.6	30.00	2.962	56.76	30.8
	6.00	1266	350.9	30.00	3.607	60.57	34.4	1244	376.9	30.00	3.302	59.55	33.4	1222	404.5	30.00	3.021	58.47	32.4
	7.00	1304	354.4	30.00	3.681	62.41	36.1	1283	380.7	30.00	3.370	61.38	35.1	1260	408.7	30.00	3.082	60.28	34.1
	8.00	1344	357.9	30.00	3.755	64.31	38.0	1322	384.6	30.00	3.437	63.24	37.0	1298	413.0	30.00	3.144	62.12	35.9
	9.00	1374	360.6	30.00	3.809	65.73	39.5	1351	387.5	30.00	3.486	64.63	38.4	1326	416.1	30.00	3.188	63.47	37.2
APCY5380TH	5.00	1278	368.4	30.00	3.470	61.16	34.9	1256	395.6	30.00	3.176	60.11	33.9	1233	424.6	30.00	2.904	59.00	32.9
	6.00	1317	372.1	30.00	3.538	62.99	36.7	1294	399.7	30.00	3.238	61.92	35.7	1270	429.1	30.00	2.961	60.78	34.6
	7.00	1357	375.9	30.00	3.609	64.91	38.6	1334	403.9	30.00	3.303	63.82	37.5	1310	433.7	30.00	3.020	62.66	36.4
	8.00	1398	380.0	30.00	3.680	66.90	40.7	1375	408.3	30.00	3.367	65.78	39.5	1350	438.5	30.00	3.079	64.60	38.3
	9.00	1431	383.1	30.00	3.734	68.44	42.4	1406	411.7	30.00	3.416	67.28	41.1	1381	442.1	30.00	3.123	66.06	39.8
APCY5395TH	5.00	1336	380.0	33.00	3.516	63.93	37.6	1314	407.9	33.00	3.221	62.86	36.6	1290	437.7	33.00	2.947	61.72	35.5
	6.00	1377	383.6	33.00	3.589	65.87	39.6	1354	411.9	33.00	3.287	64.77	38.5	1329	442.1	33.00	3.007	63.61	37.3
	7.00	1419	387.3	33.00	3.664	67.89	41.8	1396	416.0	33.00	3.355	66.78	40.5	1371	446.7	33.00	3.069	65.59	39.3
	8.00	1463	391.3	33.00	3.740	70.01	44.1	1439	420.4	33.00	3.424	68.86	42.8	1414	451.4	33.00	3.132	67.65	41.5
	9.00	1499	394.4	33.00	3.799	71.70	46.1	1474	423.8	33.00	3.477	70.51	44.7	1448	455.1	33.00	3.181	69.26	43.3
APCY5410TH	5.00	1383	400.4	33.00	3.455	66.19	40.0	1360	429.9	33.00	3.163	65.07	38.8	1335	461.5	33.00	2.894	63.89	37.6
	6.00	1426	404.5	33.00	3.525	68.21	42.1	1402	434.4	33.00	3.227	67.07	40.9	1376	466.3	33.00	2.952	65.85	39.6
	7.00	1470	408.6	33.00	3.596	70.31	44.5	1445	439.0	33.00	3.292	69.15	43.1	1419	471.4	33.00	3.011	67.91	41.8
	8.00	1516	413.1	33.00	3.670	72.53	47.0	1491	443.9	33.00	3.359	71.33	45.6	1464	476.7	33.00	3.072	70.06	44.2
	9.00	1554	416.8	33.00	3.729	74.35	49.3	1528	447.9	33.00	3.412	73.11	47.7	1500	480.9	33.00	3.120	71.79	46.2
APCY5425TH	5.00	1439	412.0	36.00	3.492	68.84	42.8	1415	442.2	36.00	3.200	67.71	41.6	1390	474.5	36.00	2.930	66.51	40.3
	6.00	1484	416.0	36.00	3.567	70.98	45.2	1459	446.6	36.00	3.267	69.82	43.9	1433	479.4	36.00	2.990	68.59	42.5
	7.00	1530	420.1	36.00	3.642	73.19	47.8	1505	451.2	36.00	3.336	72.01	46.4	1479	484.4	36.00	3.053	70.75	44.9
	8.00	1579	424.4	36.00	3.719	75.53	50.8	1553	456.0	36.00	3.406	74.31	49.2	1526	489.6	36.00	3.117	73.02	47.6
	9.00	1620	428.2	36.00	3.794	77.53	53.4	1594	460.1	36.00	3.464	76.25	51.7	1566	494.0	36.00	3.170	74.91	50.0
APCY5455TH	5.00	1523	435.8	36.00	3.494	72.86	43.1	1496	467.8	36.00	3.199	71.59	41.7	1468	502.0	36.00	2.925	70.25	40.3
	6.00	1576	440.8	36.00	3.574	75.38	45.8	1549	473.4	36.00	3.272	74.09	44.4	1520	508.1	36.00	2.992	72.74	42.9
	7.00	1629	445.9	36.00	3.653	77.93	48.7	1601	479.0	36.00	3.343	76.61	47.2	1572	514.2	36.00	3.057	75.21	45.7
	8.00	1675	450.3	36.00	3.720	80.15	51.3	1647	483.8	36.00	3.404	78.79	49.7	1617	519.4	36.00	3.113	77.36	48.1
	9.00	1716	454.3	36.00	3.778	82.11	53.7	1687	488.1	36.00	3.456	80.71	52.0	1656	524.0	36.00	3.161	79.25	50.3
APCY5475TH	5.00	1594	453.5	36.00	3.515	76.26	46.8	1566	486.9	36.00	3.217	74.95	45.4	1537	522.6	36.00	2.942	73.55	43.8
	6.00	1649	458.5	36.00	3.596	78.89	49.8	1621	492.6	36.00	3.291	77.55	48.3	1591	528.9	36.00	3.009	76.14	46.7
	7.00	1706	463.8	36.00	3.677	81.60	53.0	1677	498.4	36.00	3.365	80.23	51.4	1647	535.2	36.00	3.076	78.78	49.7
	8.00	1755	468.5	36.00	3.747	83.99	56.0	1726	503.5	36.00	3.428	82.57	54.2	1695	540.8	36.00	3.134	81.08	52.4
	9.00	1799	472.6	36.00	3.807	86.08	58.6	1769	508.0	36.00	3.482	84.63	56.8	1737	545.6	36.00	3.184	83.11	54.9
APCY5495TH	5.00	1657	480.1	36.00	3.450	79.26	50.3	1628	515.6	36.00	3.157	77.87	48.7	1597	553.5	36.00	2.885	76.40	47.0
	6.00	1713	485.8	36.00	3.527	81.97	53.5	1684	521.9	36.00	3.227	80.57	51.8	1653	560.4	36.00	2.949	79.08	50.1
	7.00	1773	491.7	36.00	3.605	84.82	57.0	1743	528.4	36.00	3.298	83.38	55.2	1711	567.5	36.00	3.014	81.85	53.3
	8.00	1826	497.0	36.00	3.673	87.35	60.2	1795	534.2	36.00	3.359	85.86	58.3	1762	573.8	36.00	3.071	84.29	56.3
	9.00	1872	501.7	36.00	3.731	89.56	63.1	1840	539.3	36.00	3.412	88.04	61.1	1806	579.2	36.00	3.119	86.43	59.0
APCY5520TH	5.00	1753	511.2	36.00	3.429	83.86	55.2	1721	549.1	36.00	3.135	82.36	53.3	1688	589.5	36.00	2.864	80.78	51.4
	6.00	1807	517.0	36.00	3.496	86.47	58.5	1776	555.5	36.00	3.196	84.95	56.5	1742	596.5	36.00	2.920	83.34	54.5
	7.00	1866	523.3	36.00	3.566	89.29	62.1	1834	562.4	36.00	3.261	87.75	60.1	1800	604.1	36.00	2.979	86.11	58.0
	8.00	1927	529.8	36.00	3.637	92.19	66.0	1894	569.5	36.00	3.325	90.60	63.9	1859	611.7	36.00	3.038	88.93	61.6
	9.00	1963	533.7	36.00	3.678	93.91	68.4	1928	573.7	36.00	3.361	92.25	66.1	1892	616.0	36.00	3.071	90.51	63.7

Table 21

Notes:

- Capacity ratings are based on following condition. Evaporator Water Temperature Change: 5°C Evaporator Fouling Factor: 0.0176m² K/kW.
- Total power mentioned in this page should not be used for cable or fuse selection. Unit maximum running current given in the data pages (44 to 48) should be referred for the same.

capacity ratings - 50.hz (SI)

Model	LWT °C	Condenser Entering Air Dry Bulb °C																	
		45.0						48						51.7					
		Capacity kW	Total Power ⁽²⁾ kW	Fan Power ⁽²⁾ kW	COP WW	WFR L/s	WPD kPa	Capacity kW	Total Power ⁽²⁾ kW	Fan Power ⁽²⁾ kW	COP WW	WFR L/s	WPD kPa	Capacity kW	Total Power ⁽²⁾ kW	Fan Power ⁽²⁾ kW	COP WW	WFR L/s	WPD kPa
APCY5345DH	5.00	1067	454.2	27.00	2.349	51.05	28.8	1041	486.0	27.00	2.143	49.83	27.7	1008	527.9	27.00	1.910	48.25	26.2
	6.00	1104	459.6	27.00	2.402	52.83	30.5	1078	491.9	27.00	2.192	51.60	29.3	1045	534.3	27.00	1.956	49.99	27.8
	7.00	1141	465.0	27.00	2.454	54.59	32.2	1114	497.6	27.00	2.240	53.32	31.0	1080	540.3	27.00	1.999	51.68	29.4
	8.00	1174	469.8	27.00	2.498	56.16	33.8	1146	502.6	27.00	2.281	54.86	32.5	1111	545.6	27.00	2.036	53.17	30.9
	9.00	1203	473.9	27.00	2.538	57.54	35.2	1175	507.0	27.00	2.317	56.21	33.9	1139	550.3	27.00	2.069	54.48	32.1
APCY5365TH	5.00	1130	471.2	30.00	2.398	54.06	28.3	1104	504.3	30.00	2.188	52.81	27.2	1069	548.0	30.00	1.952	51.17	25.7
	6.00	1165	475.9	30.00	2.447	55.72	29.9	1138	509.4	30.00	2.234	54.45	28.7	1103	553.3	30.00	1.994	52.79	27.2
	7.00	1202	480.8	30.00	2.499	57.49	31.5	1175	514.6	30.00	2.282	56.20	30.3	1139	559.0	30.00	2.039	54.52	28.8
	8.00	1239	485.8	30.00	2.550	59.28	33.1	1211	519.9	30.00	2.330	57.97	31.9	1176	564.5	30.00	2.083	56.26	30.3
	9.00	1265	489.3	30.00	2.586	60.54	34.3	1237	523.5	30.00	2.363	59.19	33.1	1200	568.3	30.00	2.112	57.43	31.4
APCY5380TH	5.00	1174	499.6	30.00	2.350	56.16	30.3	1146	534.8	30.00	2.143	54.84	29.0	1110	581.2	30.00	1.910	53.12	27.5
	6.00	1210	504.8	30.00	2.397	57.90	31.9	1182	540.4	30.00	2.187	56.56	30.6	1146	587.1	30.00	1.951	54.81	29.0
	7.00	1248	510.4	30.00	2.446	59.74	33.6	1220	546.3	30.00	2.234	58.38	32.3	1183	593.4	30.00	1.994	56.61	30.7
	8.00	1288	515.9	30.00	2.496	61.61	35.4	1259	552.1	30.00	2.280	60.23	34.0	1221	599.6	30.00	2.036	58.43	32.3
	9.00	1316	519.9	30.00	2.531	62.97	36.7	1286	556.3	30.00	2.312	61.55	35.3	1248	603.9	30.00	2.066	59.69	33.5
APCY5395TH	5.00	1229	514.9	33.00	2.388	58.83	32.7	1201	551.3	33.00	2.179	57.48	31.5	1164	599.2	33.00	1.943	55.72	29.8
	6.00	1268	520.2	33.00	2.437	60.66	34.5	1239	556.9	33.00	2.225	59.29	33.2	1202	605.1	33.00	1.986	57.50	31.5
	7.00	1308	525.6	33.00	2.489	62.60	36.3	1279	562.7	33.00	2.273	61.20	35.0	1241	611.4	33.00	2.030	59.39	33.2
	8.00	1350	531.2	33.00	2.541	64.59	38.3	1320	568.6	33.00	2.322	63.17	36.9	1281	617.6	33.00	2.075	61.32	35.1
	9.00	1381	535.4	33.00	2.580	66.09	39.9	1351	572.9	33.00	2.357	64.62	38.3	1311	622.2	33.00	2.107	62.71	36.4
APCY5410TH	5.00	1272	543.1	33.00	2.342	60.86	34.6	1243	581.5	33.00	2.137	59.45	33.3	1204	632.1	33.00	1.905	57.61	31.6
	6.00	1312	548.8	33.00	2.390	62.77	36.5	1282	587.6	33.00	2.182	61.33	35.1	1243	638.5	33.00	1.946	59.46	33.3
	7.00	1354	554.8	33.00	2.440	64.77	38.5	1323	593.9	33.00	2.228	63.32	37.0	1284	645.3	33.00	1.989	61.42	35.2
	8.00	1397	561.0	33.00	2.491	66.86	40.7	1366	600.4	33.00	2.275	65.37	39.1	1326	652.2	33.00	2.033	63.43	37.2
	9.00	1431	565.7	33.00	2.530	68.47	42.4	1399	605.3	33.00	2.311	66.93	40.7	1357	657.2	33.00	2.065	64.93	38.7
APCY5425TH	5.00	1326	558.4	36.00	2.374	63.43	37.2	1296	598.0	36.00	2.167	62.00	35.7	1256	650.1	36.00	1.933	60.11	33.9
	6.00	1368	564.1	36.00	2.424	65.44	39.2	1337	604.0	36.00	2.214	63.98	37.7	1297	656.5	36.00	1.976	62.06	35.8
	7.00	1412	570.1	36.00	2.476	67.55	41.4	1381	610.3	36.00	2.262	66.06	39.8	1340	663.2	36.00	2.021	64.12	37.8
	8.00	1458	576.2	36.00	2.530	69.75	43.8	1426	616.8	36.00	2.312	68.23	42.1	1385	670.0	36.00	2.067	66.25	40.0
	9.00	1495	581.0	36.00	2.572	71.51	45.8	1462	621.8	36.00	2.351	69.94	44.0	1419	675.2	36.00	2.102	67.89	41.8
APCY5455TH	5.00	1397	590.5	36.00	2.366	66.85	36.8	1364	632.2	36.00	2.158	65.27	35.2	1321	687.0	36.00	1.923	63.22	33.1
	6.00	1448	597.8	36.00	2.422	69.29	39.3	1415	639.9	36.00	2.211	67.69	37.6	1371	695.2	36.00	1.973	65.61	35.5
	7.00	1498	604.8	36.00	2.477	71.68	41.8	1464	647.2	36.00	2.262	70.05	40.1	1420	702.9	36.00	2.020	67.92	37.9
	8.00	1541	610.8	36.00	2.523	73.74	44.0	1506	653.4	36.00	2.305	72.06	42.2	1461	709.3	36.00	2.059	69.89	39.9
	9.00	1579	616.0	36.00	2.564	75.56	46.0	1544	658.9	36.00	2.343	73.86	44.2	1498	715.1	36.00	2.094	71.65	41.8
APCY5475TH	5.00	1463	615.0	36.00	2.379	70.01	40.0	1429	658.5	36.00	2.170	68.37	38.3	1384	715.8	36.00	1.934	66.23	36.1
	6.00	1517	622.6	36.00	2.436	72.56	42.7	1482	666.5	36.00	2.223	70.90	41.0	1437	724.3	36.00	1.983	68.74	38.7
	7.00	1570	630.0	36.00	2.492	75.10	45.5	1534	674.3	36.00	2.275	73.40	43.7	1488	732.6	36.00	2.031	71.19	41.3
	8.00	1616	636.3	36.00	2.539	77.31	48.0	1579	681.0	36.00	2.319	75.57	46.1	1532	739.6	36.00	2.071	73.30	43.5
	9.00	1657	641.9	36.00	2.581	79.26	50.3	1619	686.8	36.00	2.358	77.48	48.2	1571	745.7	36.00	2.107	75.17	45.6
APCY5495TH	5.00	1519	651.4	36.00	2.332	72.68	42.9	1483	697.4	36.00	2.126	70.96	41.0	1436	758.0	36.00	1.894	68.71	38.7
	6.00	1574	659.7	36.00	2.386	75.32	45.8	1538	706.3	36.00	2.177	73.57	43.8	1490	767.5	36.00	1.942	71.30	41.4
	7.00	1630	668.0	36.00	2.440	77.99	48.8	1593	715.0	36.00	2.227	76.20	46.8	1544	776.8	36.00	1.987	73.87	44.2
	8.00	1679	675.2	36.00	2.486	80.32	51.5	1640	722.6	36.00	2.270	78.48	49.4	1590	784.7	36.00	2.027	76.09	46.6
	9.00	1722	681.5	36.00	2.526	82.37	54.0	1682	729.2	36.00	2.307	80.50	51.7	1632	791.7	36.00	2.061	78.06	48.9
APCY5520TH	5.00	1604	693.6	36.00	2.313	76.76	46.7	1565	742.3	36.00	2.109	74.90	44.6	1515	806.4	36.00	1.878	72.47	41.9
	6.00	1657	701.9	36.00	2.360	79.26	49.6	1617	751.2	36.00	2.153	77.38	47.4	1566	816.0	36.00	1.919	74.92	44.6
	7.00	1714	710.9	36.00	2.410	81.99	52.9	1674	760.8	36.00	2.200	80.08	50.6	1622	826.3	36.00	1.962	77.59	47.7
	8.00	1770	719.8	36.00	2.459	84.70	56.2	1729	770.2	36.00	2.245	82.74	53.8	1676	836.3	36.00	2.004	80.20	50.7
	9.00	1800	724.4	36.00	2.484	86.10	58.0	1757	774.9	36.00	2.268	84.08	55.4	1702	841.0	36.00	2.024	81.44	52.2

Table 22

Notes:

- 1.Capacity ratings are based on following condition. Evaporator Water Temperature Change: 5°C Evaporator Fouling Factor:0.0176m² K/kW.
- 2.Total power mentioned in this page should not be used for cable or fuse selection. Unit maximum running current given in the data pages (44 to 48) should be referred for the same.



capacity ratings - 60.hz (SI)

Model	LWT	Condenser Entering Air Dry Bulb °C																	
		32.0						35.0						38.0					
		Capacity	Total Power ⁽²⁾	Fan Power ⁽²⁾	COP	WFR	WPD	Capacity	Total Power ⁽²⁾	Fan Power ⁽²⁾	COP	WFR	WPD	Capacity	Total Power ⁽²⁾	Fan Power ⁽²⁾	COP	WFR	WPD
	°C	kW	kW	kW	WW	L/s	kPa	kW	kW	kW	WW	L/s	kPa	kW	kW	kW	WW	L/s	kPa
APCY6095DH	5.00	313.1	93.83	12.00	3.337	14.97	44.4	305.2	99.44	12.00	3.069	14.60	42.2	297.1	105.3	12.00	2.819	14.21	40.1
	6.00	323.5	94.69	12.00	3.416	15.47	47.3	315.7	100.3	12.00	3.145	15.10	45.1	307.5	106.3	12.00	2.890	14.71	42.9
	7.00	336.5	95.74	12.00	3.514	16.09	51.1	328.2	101.4	12.00	3.234	15.70	48.6	319.6	107.5	12.00	2.971	15.29	46.2
	8.00	349.0	96.75	12.00	3.606	16.69	54.9	340.2	102.5	12.00	3.317	16.27	52.2	331.1	108.6	12.00	3.047	15.84	49.5
	9.00	361.0	97.70	12.00	3.694	17.26	58.7	351.8	103.5	12.00	3.398	16.83	55.8	342.4	109.7	12.00	3.121	16.37	52.9
APCY6100DH	5.00	346.3	101.1	12.00	3.423	16.56	39.1	337.1	107.2	12.00	3.143	16.12	37.1	327.6	113.6	12.00	2.882	15.67	35.2
	6.00	358.0	102.1	12.00	3.504	17.12	41.6	348.5	108.3	12.00	3.217	16.67	39.6	338.6	114.7	12.00	2.950	16.19	37.5
	7.00	369.5	103.1	12.00	3.582	17.67	44.2	359.7	109.3	12.00	3.289	17.21	42.0	349.6	115.9	12.00	3.016	16.72	39.8
	8.00	382.1	104.2	12.00	3.666	18.28	47.2	372.0	110.5	12.00	3.366	17.79	44.8	361.7	117.1	12.00	3.087	17.30	42.5
	9.00	392.6	105.1	12.00	3.734	18.78	49.7	382.2	111.4	12.00	3.429	18.28	47.2	371.4	118.1	12.00	3.144	17.76	44.7
APCY6110DH	5.00	365.5	107.5	12.00	3.398	17.48	43.3	356.1	114.1	12.00	3.120	17.03	41.2	346.3	121.0	12.00	2.861	16.56	39.1
	6.00	377.9	108.6	12.00	3.477	18.07	46.2	368.1	115.3	12.00	3.192	17.61	43.9	358.0	122.3	12.00	2.926	17.12	41.6
	7.00	390.0	109.8	12.00	3.552	18.65	49.0	380.0	116.5	12.00	3.261	18.18	46.6	369.5	123.5	12.00	2.990	17.67	44.2
	8.00	403.2	111.0	12.00	3.632	19.28	52.3	392.9	117.8	12.00	3.335	18.79	49.7	382.2	124.9	12.00	3.058	18.28	47.2
	9.00	414.5	112.0	12.00	3.699	19.83	55.2	403.8	118.8	12.00	3.396	19.31	52.4	392.7	126.0	12.00	3.114	18.78	49.7
APCY6115DH	5.00	391.4	114.7	14.00	3.411	18.72	49.4	381.4	121.6	14.00	3.133	18.24	47.0	370.9	129.0	14.00	2.875	17.74	44.6
	6.00	404.9	115.9	14.00	3.493	19.37	52.7	394.5	122.9	14.00	3.209	18.87	50.1	383.7	130.3	14.00	2.944	18.35	47.5
	7.00	418.0	117.0	14.00	3.572	19.99	56.0	407.2	124.0	14.00	3.282	19.48	53.3	396.1	131.5	14.00	3.011	18.95	50.5
	8.00	432.1	118.2	14.00	3.655	20.67	59.8	421.1	125.3	14.00	3.359	20.14	56.9	409.7	132.9	14.00	3.082	19.59	53.9
	9.00	444.7	119.2	14.00	3.728	21.27	63.2	433.2	126.4	14.00	3.425	20.72	60.1	421.4	134.0	14.00	3.143	20.15	56.9
APCY6125DH	5.00	423.9	122.8	16.00	3.450	20.27	39.0	413.3	130.2	16.00	3.172	19.77	37.1	402.3	138.0	16.00	2.913	19.24	35.3
	6.00	440.6	124.2	16.00	3.547	21.07	42.0	429.8	131.7	16.00	3.263	20.56	40.0	418.5	139.6	16.00	2.997	20.02	38.0
	7.00	458.0	125.5	16.00	3.646	21.90	45.3	446.4	133.1	16.00	3.353	21.36	43.0	434.5	141.1	16.00	3.079	20.78	40.9
	8.00	472.3	126.7	16.00	3.727	22.59	48.1	460.3	134.3	16.00	3.426	22.02	45.7	447.9	142.3	16.00	3.146	21.42	43.3
	9.00	492.9	128.3	16.00	3.841	23.58	52.3	481.0	136.0	16.00	3.534	23.01	49.8	468.6	144.2	16.00	3.248	22.41	47.3
APCY6135DH	5.00	454.9	136.1	16.00	3.340	21.76	44.7	442.2	144.1	16.00	3.067	21.15	42.3	429.0	152.4	16.00	2.813	20.52	39.9
	6.00	471.9	137.7	16.00	3.425	22.57	48.0	459.1	145.8	16.00	3.147	21.96	45.5	445.7	154.2	16.00	2.889	21.32	42.9
	7.00	491.1	139.5	16.00	3.519	23.49	51.9	477.5	147.7	16.00	3.233	22.84	48.1	463.3	156.1	16.00	2.966	22.16	46.3
	8.00	506.7	141.0	16.00	3.593	24.24	55.2	492.5	149.2	16.00	3.300	23.56	52.2	477.7	157.7	16.00	3.028	22.85	49.2
	9.00	526.6	142.8	16.00	3.685	25.19	59.6	512.6	151.3	16.00	3.388	24.52	56.5	498.0	159.9	16.00	3.112	23.82	53.4
APCY6145DH	5.00	488.3	148.4	16.00	3.288	23.36	51.3	473.9	156.9	16.00	3.019	22.66	48.4	458.8	165.5	16.00	2.771	21.95	45.4
	6.00	504.9	150.1	16.00	3.363	24.15	54.8	490.8	158.7	16.00	3.092	23.47	51.8	475.9	167.5	16.00	2.841	22.76	48.8
	7.00	526.5	152.3	16.00	3.456	25.18	59.6	511.4	160.9	16.00	3.177	24.46	56.2	495.5	169.8	16.00	2.918	23.70	52.8
	8.00	543.9	154.1	16.00	3.529	26.01	63.5	528.0	162.8	16.00	3.242	25.25	59.9	511.3	171.6	16.00	2.978	24.46	56.2
	9.00	562.8	156.0	16.00	3.605	26.92	68.0	547.3	165.0	16.00	3.316	26.18	64.3	531.0	174.0	16.00	3.050	25.40	60.6
APCY6160DH	5.00	553.0	156.5	20.00	3.532	26.45	29.7	536.2	165.3	20.00	3.243	25.65	28.0	518.8	174.3	20.00	2.974	24.81	26.3
	6.00	570.3	157.9	20.00	3.609	27.28	31.4	553.0	166.8	20.00	3.314	26.45	29.6	534.9	175.9	20.00	3.040	25.59	27.9
	7.00	588.7	159.5	20.00	3.689	28.16	33.3	571.1	168.5	20.00	3.389	27.32	31.4	552.9	177.7	20.00	3.110	26.44	29.6
	8.00	615.1	161.8	20.00	3.801	29.42	36.1	597.5	170.9	20.00	3.494	28.58	34.2	579.1	180.3	20.00	3.210	27.70	32.3
	9.00	625.9	162.7	20.00	3.846	29.94	37.2	607.3	171.9	20.00	3.533	29.05	35.3	587.9	181.2	20.00	3.243	28.12	33.2
APCY6170DH	5.00	572.9	165.8	20.00	3.455	27.40	31.7	555.6	175.0	20.00	3.174	26.57	29.9	537.5	184.5	20.00	2.911	25.71	28.1
	6.00	590.9	167.3	20.00	3.530	28.26	33.5	573.1	176.7	20.00	3.243	27.41	31.7	554.4	186.3	20.00	2.975	26.52	29.8
	7.00	609.8	169.0	20.00	3.607	29.16	35.5	591.7	178.4	20.00	3.315	28.31	33.6	572.8	188.2	20.00	3.043	27.40	31.7
	8.00	636.8	171.4	20.00	3.713	30.46	38.4	618.7	181.1	20.00	3.415	29.59	36.5	599.7	191.0	20.00	3.138	28.68	34.4
	9.00	649.0	172.5	20.00	3.761	31.04	39.8	629.9	182.2	20.00	3.456	30.13	37.7	609.8	192.1	20.00	3.173	29.17	35.5
APCY6185DH	5.00	629.4	181.7	20.00	3.463	30.11	37.6	618.5	194.6	20.00	3.177	29.58	36.4	607.0	208.5	20.00	2.909	29.03	35.2
	6.00	647.8	183.1	20.00	3.536	30.98	39.7	636.6	196.2	20.00	3.243	30.45	38.4	624.8	210.3	20.00	2.970	29.88	37.1
	7.00	666.9	184.6	20.00	3.611	31.90	41.8	655.7	197.8	20.00	3.313	31.36	40.5	643.8	212.1	20.00	3.034	30.79	39.2
	8.00	694.1	186.7	20.00	3.717	33.20	45.0	682.9	200.2	20.00	3.410	32.66	43.7	671.2	214.8	20.00	3.123	32.10	42.3
	9.00	705.6	187.5	20.00	3.761	33.75	46.4	694.0	201.2	20.00	3.448	33.19	45.0	681.7	215.9	20.00	3.157	32.61	43.5

Table 23

Notes:

- Capacity ratings are based on following condition. Evaporator Water Temperature Change: 5°C Evaporator Fouling Factor: 0.0176m² K/kW.
- Total power mentioned in this page should not be used for cable or fuse selection. Unit maximum running current given in the data pages (44 to 48) should be referred for the same.

capacity ratings - 60.hz (SI)

Model	LWT	Condenser Entering Air Dry Bulb °C																	
		45.0						48						51.7					
		Capacity	Total Power ⁽²⁾	Fan Power ⁽²⁾	COP	WFR	WPD	Capacity	Total Power ⁽²⁾	Fan Power ⁽²⁾	COP	WFR	WPD	Capacity	Total Power ⁽²⁾	Fan Power ⁽²⁾	COP	WFR	WPD
°C	kW	kW	kW	WW	L/s	kPa	kW	kW	kW	WW	L/s	kPa	kW	kW	kW	WW	L/s	kPa	
APCY6095DH	5.00	276.9	120.4	12.00	2.298	13.24	35.0	267.8	127.5	12.00	2.100	12.81	32.8	256.1	136.6	12.00	1.874	12.25	30.2
	6.00	287.2	121.6	12.00	2.360	13.73	37.5	277.9	128.7	12.00	2.158	13.29	35.3	265.9	138.0	12.00	1.926	12.72	32.4
	7.00	298.3	122.9	12.00	2.425	14.26	40.4	288.6	130.1	12.00	2.217	13.80	37.9	276.1	139.4	12.00	1.979	13.20	34.8
	8.00	308.7	124.1	12.00	2.486	14.76	43.2	298.5	131.3	12.00	2.272	14.28	40.5	285.5	140.7	12.00	2.028	13.65	37.1
	9.00	319.1	125.3	12.00	2.545	15.26	46.0	308.6	132.6	12.00	2.326	14.76	43.1	295.1	142.0	12.00	2.077	14.11	39.6
APCY6100DH	5.00	304.2	129.9	12.00	2.341	14.55	30.6	293.7	137.4	12.00	2.136	14.05	28.7	280.2	147.3	12.00	1.902	13.40	26.3
	6.00	314.5	131.2	12.00	2.396	15.04	32.6	303.6	138.8	12.00	2.187	14.52	30.5	289.7	148.7	12.00	1.948	13.85	28.0
	7.00	324.8	132.4	12.00	2.451	15.53	34.6	313.6	140.1	12.00	2.238	15.00	32.4	299.4	150.1	12.00	1.994	14.32	29.7
	8.00	336.2	133.8	12.00	2.511	16.08	37.0	324.8	141.6	12.00	2.293	15.53	34.6	310.2	151.6	12.00	2.044	14.83	31.8
APCY6110DH	9.00	345.1	134.9	12.00	2.557	16.50	38.8	333.3	142.7	12.00	2.335	15.94	36.4	318.2	152.8	12.00	2.082	15.22	33.3
	5.00	322.1	138.5	12.00	2.324	15.40	34.1	311.1	146.7	12.00	2.120	14.88	31.9	297.1	157.3	12.00	1.888	14.21	29.3
	6.00	333.0	140.0	12.00	2.378	15.93	36.3	321.7	148.2	12.00	2.170	15.38	34.0	307.1	158.8	12.00	1.933	14.69	31.2
	7.00	343.8	141.4	12.00	2.431	16.44	38.6	332.2	149.6	12.00	2.219	15.89	36.1	317.2	160.3	12.00	1.977	15.17	33.1
	8.00	355.8	142.9	12.00	2.488	17.02	41.2	343.9	151.3	12.00	2.273	16.45	38.6	328.6	162.1	12.00	2.027	15.72	35.4
APCY6115DH	9.00	365.4	144.2	12.00	2.533	17.47	43.3	353.1	152.5	12.00	2.314	16.89	40.6	337.3	163.4	12.00	2.064	16.13	37.2
	5.00	345.2	147.6	14.00	2.337	16.51	38.9	333.5	156.3	14.00	2.134	15.95	36.4	318.6	167.5	14.00	1.901	15.24	33.4
	6.00	357.1	149.1	14.00	2.395	17.08	41.4	345.1	157.8	14.00	2.186	16.50	38.8	329.6	169.1	14.00	1.948	15.76	35.6
	7.00	368.8	150.5	14.00	2.450	17.64	44.1	356.5	159.3	14.00	2.237	17.05	41.3	340.6	170.7	14.00	1.995	16.29	37.9
	8.00	381.6	152.0	14.00	2.509	18.25	47.1	369.0	160.9	14.00	2.293	17.65	44.1	352.7	172.4	14.00	2.045	16.87	40.5
APCY6125DH	9.00	392.3	153.3	14.00	2.558	18.76	49.6	379.2	162.2	14.00	2.337	18.14	46.5	362.4	173.8	14.00	2.085	17.33	42.6
	5.00	375.2	157.9	16.00	2.374	17.94	31.0	362.9	167.2	16.00	2.170	17.35	29.2	347.1	179.2	16.00	1.935	16.60	27.0
	6.00	390.5	159.7	16.00	2.445	18.68	33.4	377.8	169.0	16.00	2.234	18.07	31.4	361.5	181.2	16.00	1.994	17.29	29.0
	7.00	404.9	161.3	16.00	2.509	19.36	35.7	391.5	170.7	16.00	2.292	18.72	33.5	374.2	183.0	16.00	2.045	17.90	30.9
	8.00	417.0	162.7	16.00	2.562	19.94	37.8	403.3	172.2	16.00	2.342	19.29	35.5	385.5	184.5	16.00	2.089	18.44	32.6
APCY6135DH	9.00	438.0	165.0	16.00	2.653	20.95	41.5	424.1	174.7	16.00	2.427	20.28	39.0	406.2	187.2	16.00	2.169	19.43	35.9
	5.00	396.1	172.9	16.00	2.290	18.94	34.3	381.1	182.2	16.00	2.091	18.23	31.9	361.8	194.1	16.00	1.863	17.30	29.0
	6.00	412.2	175.0	16.00	2.355	19.72	37.0	396.9	184.3	16.00	2.152	18.98	34.4	377.0	196.3	16.00	1.919	18.03	31.3
	7.00	427.8	177.0	16.00	2.417	20.46	39.7	411.6	186.3	16.00	2.208	19.69	36.9	390.7	198.4	16.00	1.969	18.69	33.4
	8.00	441.0	178.6	16.00	2.467	21.09	42.1	424.2	188.1	16.00	2.255	20.29	39.0	402.7	200.1	16.00	2.011	19.26	35.4
APCY6145DH	9.00	461.6	181.3	16.00	2.545	22.08	46.0	445.0	191.0	16.00	2.330	21.28	42.8	423.7	203.3	16.00	2.083	20.26	38.9
	5.00	421.4	186.4	16.00	2.260	20.15	38.5	404.3	195.7	16.00	2.065	19.34	35.6	382.2	207.4	16.00	1.842	18.28	32.1
	6.00	438.2	188.6	16.00	2.322	20.96	41.6	420.8	198.0	16.00	2.124	20.13	38.4	398.1	209.8	16.00	1.896	19.04	34.6
	7.00	455.4	191.0	16.00	2.384	21.78	44.8	437.0	200.3	16.00	2.180	20.90	41.3	413.0	212.2	16.00	1.946	19.75	37.1
	8.00	469.6	193.0	16.00	2.433	22.46	47.5	450.5	202.4	16.00	2.225	21.55	43.8	425.8	214.2	16.00	1.987	20.36	39.3
APCY6160DH	9.00	490.0	195.9	16.00	2.501	23.44	51.7	471.1	205.5	16.00	2.292	22.53	47.8	446.6	217.7	16.00	2.051	21.36	43.1
	5.00	475.2	196.3	20.00	2.419	22.73	22.2	455.3	206.1	20.00	2.208	21.78	20.3	429.7	218.6	20.00	1.964	20.55	18.0
	6.00	490.0	198.0	20.00	2.473	23.44	23.5	469.5	207.9	20.00	2.257	22.46	21.6	443.0	220.4	20.00	2.009	21.19	19.2
	7.00	507.3	200.1	20.00	2.534	24.26	25.2	486.5	210.0	20.00	2.315	23.27	23.2	459.5	222.7	20.00	2.062	21.98	20.7
	8.00	533.0	203.2	20.00	2.622	25.49	27.7	511.9	213.4	20.00	2.398	24.48	25.6	484.5	226.3	20.00	2.140	23.17	23.0
APCY6170DH	9.00	539.5	204.0	20.00	2.644	25.80	28.3	517.3	214.1	20.00	2.415	24.74	26.1	488.6	226.9	20.00	2.153	23.37	23.4
	5.00	492.1	208.0	20.00	2.366	23.54	23.7	471.3	218.5	20.00	2.157	22.54	21.8	444.4	231.9	20.00	1.916	21.26	19.3
	6.00	507.6	209.8	20.00	2.418	24.28	25.2	486.2	220.4	20.00	2.205	23.25	23.2	458.4	233.9	20.00	1.959	21.92	20.6
	7.00	525.4	212.0	20.00	2.477	25.13	26.9	503.5	222.7	20.00	2.260	24.08	24.8	475.1	236.3	20.00	2.010	22.73	22.2
	8.00	551.6	215.4	20.00	2.560	26.38	29.5	529.3	226.3	20.00	2.338	25.32	27.3	500.2	240.2	20.00	2.082	23.92	24.5
APCY6185DH	9.00	559.0	216.3	20.00	2.583	26.74	30.3	535.5	227.1	20.00	2.357	25.61	27.9	504.9	240.9	20.00	2.095	24.15	25.0
	5.00	577.6	244.7	20.00	2.359	27.62	32.1	563.9	261.9	20.00	2.152	26.97	30.7	546.0	284.5	20.00	1.918	26.12	29.0
	6.00	594.7	247.0	20.00	2.407	28.44	33.9	580.8	264.4	20.00	2.196	27.78	32.5	562.5	287.5	20.00	1.966	26.91	30.6
	7.00	613.6	249.5	20.00	2.459	29.35	35.9	599.7	267.2	20.00	2.243	28.68	34.4	581.4	290.8	20.00	1.999	27.81	32.5
	8.00	641.3	253.2	20.00	2.532	30.67	38.9	627.4	271.5	20.00	2.311	30.01	37.4	609.4	295.7	20.00	2.060	29.15	35.5
	9.00	650.5	254.4	20.00	2.556	31.11	40.0	636.1	272.8	20.00	2.331	30.42	38.4	617.2	297.1	20.00	2.077	29.52	36.3

Table 24

Notes:

- Capacity ratings are based on following condition. Evaporator Water Temperature Change: 5°C Evaporator Fouling Factor: 0.0176m² K/kW.
- Total power mentioned in this page should not be used for cable or fuse selection. Unit maximum running current given in the data pages (44 to 48) should be referred for the same.



capacity ratings - 60.hz (SI)

Model	LWT	Condenser Entering Air Dry Bulb °C																	
		32.0						35.0						38.0					
		Capacity	Total Power ⁽²⁾	Fan Power ⁽²⁾	COP	WFR	WPD	Capacity	Total Power ⁽²⁾	Fan Power ⁽²⁾	COP	WFR	WPD	Capacity	Total Power ⁽²⁾	Fan Power ⁽²⁾	COP	WFR	WPD
	°C	kW	kW	kW	W/W	L/s	kPa	kW	kW	kW	W/W	L/s	kPa	kW	kW	kW	W/W	L/s	kPa
APCY6195DH	5.00	659.7	193.9	20.00	3.401	31.55	41.0	648.0	207.8	20.00	3.117	31.00	39.7	635.7	222.7	20.00	2.853	30.41	38.3
	6.00	679.2	195.6	20.00	3.472	32.49	43.2	667.3	209.7	20.00	3.181	31.92	41.9	654.7	224.8	20.00	2.911	31.31	40.4
	7.00	698.9	197.3	20.00	3.541	33.43	45.5	686.9	211.6	20.00	3.246	32.86	44.1	674.2	226.9	20.00	2.970	32.25	42.7
	8.00	726.5	199.7	20.00	3.637	34.75	48.9	714.6	214.3	20.00	3.334	34.18	47.4	702.1	229.9	20.00	3.052	33.58	45.9
	9.00	739.8	200.8	20.00	3.682	35.38	50.5	727.4	215.5	20.00	3.373	34.79	49.0	714.3	231.3	20.00	3.087	34.16	47.4
APCY6205DH	5.00	689.2	206.4	20.00	3.338	32.96	44.4	676.8	221.3	20.00	3.057	32.37	43.0	663.7	237.2	20.00	2.797	31.75	41.4
	6.00	710.0	208.4	20.00	3.405	33.96	46.9	697.3	223.5	20.00	3.118	33.35	45.4	683.8	239.7	20.00	2.852	32.71	43.8
	7.00	730.2	210.4	20.00	3.470	34.93	49.4	717.5	225.7	20.00	3.178	34.32	47.7	704.0	242.1	20.00	2.907	33.67	46.2
	8.00	758.1	213.1	20.00	3.557	36.26	52.9	745.5	228.8	20.00	3.258	35.66	51.3	732.2	245.4	20.00	2.982	35.02	49.6
	9.00	773.2	214.6	20.00	3.602	36.98	54.8	760.0	230.3	20.00	3.298	36.35	53.1	746.1	247.1	20.00	3.019	35.69	51.4
APCY6220DH	5.00	739.4	214.2	24.00	3.451	35.37	50.5	726.9	229.5	24.00	3.166	34.77	48.9	713.5	245.9	24.00	2.901	34.13	47.3
	6.00	762.6	216.0	24.00	3.529	36.47	53.5	749.6	231.5	24.00	3.237	35.85	51.8	735.9	248.0	24.00	2.966	35.20	50.1
	7.00	784.0	217.7	24.00	3.600	37.50	56.3	770.9	233.3	24.00	3.303	36.88	54.5	757.2	250.1	24.00	3.027	36.21	52.8
	8.00	812.6	219.9	24.00	3.694	38.87	60.2	799.7	235.8	24.00	3.390	38.25	58.4	786.0	252.8	24.00	3.108	37.60	56.6
	9.00	830.9	221.3	24.00	3.753	39.74	62.8	817.4	237.3	24.00	3.443	39.10	60.8	803.1	254.5	24.00	3.155	38.41	58.9
APCY6230DH	5.00	779.0	229.7	24.00	3.390	37.26	55.6	765.7	246.3	24.00	3.107	36.62	53.9	751.5	264.0	24.00	2.845	35.94	52.0
	6.00	804.0	231.9	24.00	3.466	38.45	58.0	790.1	248.6	24.00	3.177	37.79	57.1	775.6	266.5	24.00	2.910	37.10	55.2
	7.00	826.2	233.7	24.00	3.534	39.52	62.1	812.3	250.6	24.00	3.241	38.86	60.1	797.6	268.7	24.00	2.968	38.15	58.1
	8.00	855.3	236.1	24.00	3.621	40.91	66.3	841.5	253.3	24.00	3.321	40.25	64.3	826.9	271.6	24.00	3.044	39.55	62.2
	9.00	876.2	237.9	24.00	3.682	41.91	69.4	861.7	255.1	24.00	3.377	41.22	67.2	846.4	273.5	24.00	3.093	40.49	65.0
APCY6240DH	5.00	803.6	231.8	24.00	3.465	38.44	37.6	789.6	248.5	24.00	3.176	37.77	36.4	774.8	266.4	24.00	2.908	37.06	35.1
	6.00	829.7	234.0	24.00	3.544	39.68	39.9	815.4	250.9	24.00	3.249	39.00	38.7	800.4	268.9	24.00	2.975	38.28	37.3
	7.00	856.0	236.2	24.00	3.623	40.94	42.3	841.5	253.3	24.00	3.322	40.25	40.9	826.2	271.5	24.00	3.042	39.52	39.6
	8.00	882.3	238.4	24.00	3.700	42.20	44.8	867.6	255.6	24.00	3.393	41.50	43.4	852.0	274.1	24.00	3.107	40.75	42.0
	9.00	909.9	240.6	24.00	3.781	43.52	47.4	894.9	258.1	24.00	3.466	42.81	46.0	879.2	276.8	24.00	3.175	42.05	44.5
APCY6260DH	5.00	870.4	247.0	28.00	3.523	41.63	43.7	855.6	264.7	28.00	3.232	40.93	42.3	840.1	283.6	28.00	2.962	40.18	40.9
	6.00	898.7	249.2	28.00	3.606	42.99	46.3	883.7	267.0	28.00	3.308	42.27	44.9	867.9	286.1	28.00	3.032	41.51	43.4
	7.00	927.4	251.3	28.00	3.689	44.36	49.1	912.2	269.4	28.00	3.386	43.63	47.6	896.1	288.7	28.00	3.103	42.86	46.1
	8.00	956.2	253.5	28.00	3.771	45.74	52.0	940.7	271.7	28.00	3.461	45.00	50.4	924.3	291.2	28.00	3.173	44.21	48.8
	9.00	986.2	255.7	28.00	3.856	47.17	55.1	970.5	274.1	28.00	3.539	46.42	53.5	953.9	293.9	28.00	3.245	45.62	51.8
APCY6275DH	5.00	926.4	269.5	28.00	3.437	44.31	49.0	910.4	288.9	28.00	3.150	43.55	47.5	893.5	309.7	28.00	2.884	42.74	45.8
	6.00	956.5	272.1	28.00	3.514	45.75	52.0	940.2	291.8	28.00	3.221	44.97	50.4	923.0	312.8	28.00	2.950	44.15	48.7
	7.00	987.2	274.7	28.00	3.592	47.22	55.2	970.6	294.6	28.00	3.294	46.43	53.4	953.1	315.8	28.00	3.017	45.59	51.7
	8.00	1017	277.3	28.00	3.669	48.69	58.4	1001	297.4	28.00	3.364	47.88	56.6	983.3	318.9	28.00	3.082	47.03	54.8
	9.00	1049	280.0	28.00	3.748	50.21	61.9	1032	300.3	28.00	3.437	49.39	60.0	1014	322.1	28.00	3.149	48.53	58.1
APCY6300DH	5.00	1018	287.9	32.00	3.536	48.70	26.6	1000	308.5	32.00	3.243	47.87	25.8	982.4	330.5	32.00	2.971	46.99	25.0
	6.00	1052	290.6	32.00	3.620	50.33	28.1	1034	311.4	32.00	3.321	49.48	27.3	1015	333.7	32.00	3.044	48.59	26.5
	7.00	1085	293.1	32.00	3.701	51.90	29.6	1066	314.1	32.00	3.396	51.04	28.8	1047	336.6	32.00	3.111	50.11	27.9
	8.00	1114	295.3	32.00	3.771	53.29	31.0	1095	316.5	32.00	3.459	52.39	30.1	1075	339.2	32.00	3.170	51.45	29.2
	9.00	1139	297.2	32.00	3.833	54.51	32.2	1120	318.6	32.00	3.515	53.59	31.3	1100	341.5	32.00	3.221	52.63	30.3
APCY6320DH	5.00	1079	312.3	32.00	3.454	51.61	29.4	1060	334.8	32.00	3.166	50.72	28.5	1040	358.8	32.00	2.899	49.77	27.6
	6.00	1115	315.4	32.00	3.534	53.33	31.0	1096	338.2	32.00	3.240	52.42	30.1	1075	362.5	32.00	2.967	51.46	29.2
	7.00	1150	318.5	32.00	3.612	55.04	32.7	1131	341.5	32.00	3.312	54.10	31.7	1110	366.1	32.00	3.032	53.11	30.8
	8.00	1182	321.2	32.00	3.680	56.55	34.2	1162	344.4	32.00	3.374	55.59	33.2	1140	369.2	32.00	3.089	54.57	32.2
	9.00	1210	323.5	32.00	3.740	57.89	35.6	1189	347.0	32.00	3.428	56.90	34.6	1167	372.0	32.00	3.138	55.86	33.5
APCY6340DH	5.00	1149	328.8	36.00	3.493	54.96	32.6	1129	352.4	36.00	3.204	54.02	31.7	1108	377.6	36.00	2.936	53.03	30.7
	6.00	1187	331.9	36.00	3.576	56.78	34.4	1167	355.7	36.00	3.281	55.83	33.5	1146	381.2	36.00	3.007	54.83	32.5
	7.00	1225	334.9	36.00	3.659	58.64	36.4	1205	359.0	36.00	3.357	57.67	35.3	1184	384.7	36.00	3.077	56.64	34.3
	8.00	1261	337.7	36.00	3.733	60.32	38.2	1240	362.0	36.00	3.425	59.32	37.1	1217	387.9	36.00	3.139	58.26	36.0
	9.00	1292	340.1	36.00	3.799	61.81	39.9	1270	364.6	36.00	3.484	60.78	38.7	1247	390.8	36.00	3.193	59.69	37.5

Table 25

Notes:

- Capacity ratings are based on following condition. Evaporator Water Temperature Change: 5°C Evaporator Fouling Factor: 0.0176m² K/kW.
- Total power mentioned in this page should not be used for cable or fuse selection. Unit maximum running current given in the data pages (44 to 48) should be referred for the same.

capacity ratings - 60.hz (SI)

Model	LWT	Condenser Entering Air Dry Bulb °C																	
		45.0						48						51.7					
		Capacity	Total Power ⁽²⁾	Fan Power ⁽²⁾	COP	WFR	WPD	Capacity	Total Power ⁽²⁾	Fan Power ⁽²⁾	COP	WFR	WPD	Capacity	Total Power ⁽²⁾	Fan Power ⁽²⁾	COP	WFR	WPD
	°C	kW	kW	kW	WW	L/s	kPa	kW	kW	kW	WW	L/s	kPa	kW	kW	kW	WW	L/s	kPa
APCY6195DH	5.00	604.2	261.3	20.00	2.312	28.90	34.9	589.6	279.5	20.00	2.109	28.20	33.4	570.4	303.4	20.00	1.879	27.28	31.4
	6.00	622.6	263.9	20.00	2.359	29.78	36.9	607.6	282.3	20.00	2.152	29.06	35.3	588.2	306.5	20.00	1.918	28.13	33.2
	7.00	642.1	266.6	20.00	2.408	30.71	39.0	627.3	285.3	20.00	2.198	30.00	37.4	607.9	309.9	20.00	1.960	29.07	35.3
	8.00	670.4	270.5	20.00	2.477	32.07	42.2	655.8	289.7	20.00	2.263	31.37	40.6	636.8	314.9	20.00	2.021	30.46	38.4
APCY6205DH	5.00	681.3	272.0	20.00	2.504	32.58	43.5	666.0	291.2	20.00	2.286	31.85	41.7	646.2	316.5	20.00	2.041	30.91	39.5
	6.00	630.1	278.2	20.00	2.264	30.14	37.7	614.5	297.5	20.00	2.065	29.39	36.0	594.0	322.8	20.00	1.840	28.41	33.8
	7.00	649.6	281.1	20.00	2.310	31.07	39.9	633.7	300.5	20.00	2.108	30.31	38.1	613.0	326.0	20.00	1.879	29.32	35.9
	8.00	669.9	284.1	20.00	2.357	32.04	42.2	654.1	303.7	20.00	2.153	31.28	40.4	633.5	329.5	20.00	1.922	30.30	38.1
APCY6220DH	5.00	698.7	288.2	20.00	2.424	33.42	45.5	683.3	308.2	20.00	2.216	32.68	43.7	663.3	334.4	20.00	1.983	31.73	41.4
	6.00	711.2	290.0	20.00	2.452	34.02	47.0	695.2	310.0	20.00	2.242	33.25	45.1	674.4	336.3	20.00	2.005	32.25	42.7
	7.00	679.4	288.2	24.00	2.356	32.49	43.2	663.4	308.1	24.00	2.152	31.73	41.4	642.5	334.3	24.00	1.921	30.73	39.1
	8.00	700.9	290.8	24.00	2.409	33.52	45.8	684.6	310.9	24.00	2.201	32.74	43.9	663.3	337.3	24.00	1.966	31.73	41.4
APCY6230DH	5.00	722.1	293.3	24.00	2.461	34.54	48.4	705.8	313.7	24.00	2.250	33.76	46.4	684.6	340.4	24.00	2.010	32.75	43.9
	6.00	751.5	296.8	24.00	2.531	35.94	52.0	735.5	317.5	24.00	2.316	35.18	50.0	714.7	344.7	24.00	2.072	34.18	47.4
	7.00	767.0	298.6	24.00	2.567	36.69	54.0	750.3	319.4	24.00	2.348	35.89	51.9	728.6	346.7	24.00	2.100	34.85	49.1
	8.00	715.3	309.7	24.00	2.309	34.21	47.5	698.5	331.2	24.00	2.108	33.41	45.5	676.5	359.4	24.00	1.881	32.36	42.9
APCY6240DH	5.00	738.4	312.6	24.00	2.361	35.32	50.4	721.1	334.3	24.00	2.156	34.49	48.2	698.6	362.8	24.00	1.925	33.41	45.5
	6.00	760.3	315.3	24.00	2.410	36.36	53.2	742.9	337.3	24.00	2.202	35.53	50.9	720.3	366.2	24.00	1.966	34.45	48.1
	7.00	789.9	319.0	24.00	2.475	37.78	57.1	772.8	341.4	24.00	2.263	36.96	54.8	750.4	370.9	24.00	2.023	35.89	51.9
	8.00	807.7	321.3	24.00	2.513	38.63	59.5	789.7	343.8	24.00	2.296	37.77	57.0	766.3	373.4	24.00	2.051	36.65	53.9
APCY6260DH	5.00	839.2	325.3	24.00	2.579	40.14	62.7	820.7	348.2	24.00	2.366	39.25	60.1	796.6	378.3	24.00	2.105	38.10	57.0
	6.00	800.4	332.4	28.00	2.407	38.28	37.3	782.0	355.4	28.00	2.199	37.40	35.7	757.9	385.7	28.00	1.965	36.25	33.7
	7.00	827.6	335.5	28.00	2.466	39.59	39.7	809.0	358.7	28.00	2.254	38.69	38.1	784.6	389.4	28.00	2.014	37.53	36.0
	8.00	855.2	338.6	28.00	2.525	40.90	42.2	836.2	362.1	28.00	2.309	40.00	40.5	811.6	393.1	28.00	2.064	38.82	38.3
APCY6275DH	5.00	882.8	341.7	28.00	2.583	42.23	44.8	863.6	365.5	28.00	2.362	41.31	43.0	838.5	396.9	28.00	2.112	40.11	40.7
	6.00	911.8	345.0	28.00	2.642	43.61	47.6	892.3	369.1	28.00	2.416	42.68	45.7	866.9	400.9	28.00	2.162	41.46	43.3
	7.00	860.5	363.3	28.00	2.340	40.68	41.8	830.5	388.5	28.00	2.137	39.72	40.0	804.5	421.7	28.00	1.907	38.48	37.7
	8.00	879.4	367.0	28.00	2.396	42.06	44.5	859.2	392.4	28.00	2.189	41.10	42.6	832.8	426.0	28.00	1.954	39.84	40.2
APCY6300DH	5.00	908.8	370.6	28.00	2.451	43.47	47.3	888.2	396.4	28.00	2.240	42.49	45.3	861.5	430.3	28.00	2.001	41.21	42.8
	6.00	938.2	374.3	28.00	2.506	44.88	50.2	917.4	400.4	28.00	2.290	43.88	48.1	890.2	434.7	28.00	2.047	42.58	45.5
	7.00	968.9	378.2	28.00	2.561	46.35	53.3	947.8	404.6	28.00	2.342	45.33	51.2	920.3	439.4	28.00	2.094	44.02	48.4
	8.00	935.8	387.5	32.00	2.414	44.76	22.9	914.1	414.3	32.00	2.206	43.72	22.0	886.0	449.6	32.00	1.970	42.38	20.7
APCY6320DH	5.00	968.5	391.3	32.00	2.474	46.32	24.4	946.6	418.4	32.00	2.262	45.27	23.4	917.9	454.1	32.00	2.021	43.91	22.1
	6.00	999.2	394.8	32.00	2.530	47.79	25.8	976.7	422.2	32.00	2.312	46.72	24.8	947.4	458.3	32.00	2.066	45.31	23.5
	7.00	1025	397.9	32.00	2.577	49.07	27.0	1002	425.6	32.00	2.366	47.97	25.9	972.9	462.0	32.00	2.105	46.53	24.6
	8.00	1049	400.7	32.00	2.618	50.20	28.0	1026	428.6	32.00	2.393	49.07	27.0	995.4	465.2	32.00	2.139	47.61	25.6
APCY6340DH	5.00	990.2	420.9	32.00	2.352	47.36	25.4	966.9	450.1	32.00	2.148	46.25	24.3	936.5	488.5	32.00	1.917	44.79	23.0
	6.00	1024	425.3	32.00	2.409	49.02	26.9	1001	454.9	32.00	2.200	47.89	25.9	970.4	493.8	32.00	1.964	46.41	24.5
	7.00	1057	429.6	32.00	2.462	50.60	28.4	1033	459.5	32.00	2.249	49.44	27.3	1002	498.9	32.00	2.008	47.93	25.9
	8.00	1087	433.4	32.00	2.508	52.00	29.7	1062	463.6	32.00	2.291	50.81	28.6	1029	503.3	32.00	2.045	49.26	27.1
APCY6360DH	5.00	1112	436.7	32.00	2.547	53.22	30.9	1087	467.2	32.00	2.327	52.01	29.7	1054	507.3	32.00	2.078	50.43	28.2
	6.00	1056	442.6	36.00	2.386	50.52	28.3	1031	473.2	36.00	2.180	49.35	27.2	1000	513.4	36.00	1.947	47.83	25.8
	7.00	1093	447.0	36.00	2.445	52.29	30.0	1068	478.0	36.00	2.235	51.11	28.9	1036	518.8	36.00	1.997	49.57	27.4
	8.00	1129	451.3	36.00	2.502	54.02	31.7	1104	482.6	36.00	2.287	52.81	30.5	1071	523.9	36.00	2.044	51.24	29.0
APCY6380DH	5.00	1161	455.1	36.00	2.552	55.57	33.2	1135	486.8	36.00	2.333	54.33	32.0	1102	528.5	36.00	2.084	52.71	30.4
	6.00	1190	458.6	36.00	2.595	56.94	34.6	1163	490.5	36.00	2.372	55.67	33.3	1129	532.6	36.00	2.119	54.01	31.7

Table 26

Notes:

- Capacity ratings are based on following condition. Evaporator Water Temperature Change: **5°C** Evaporator Fouling Factor:**0.0176m² K/kW**.
- Total power mentioned in this page should not be used for cable or fuse selection. Unit maximum running current given in the data pages (44 to 48) should be referred for the same.



capacity ratings - 60.hz (SI)

Model	LWT °C	Condenser Entering Air Dry Bulb °C																	
		32.0						35.0						38.0					
		Capacity kW	Total Power ⁽²⁾ kW	Fan Power ⁽²⁾ kW	COP W/W	WFR L/s	WPD kPa	Capacity kW	Total Power ⁽²⁾ kW	Fan Power ⁽²⁾ kW	COP W/W	WFR L/s	WPD kPa	Capacity kW	Total Power ⁽²⁾ kW	Fan Power ⁽²⁾ kW	COP W/W	WFR L/s	WPD kPa
APCY6360DH	5.00	1207	353.2	36.00	3.418	57.77	35.5	1186	378.7	36.00	3.133	56.77	34.4	1164	405.9	36.00	2.869	56.72	33.4
	6.00	1247	356.7	36.00	3.496	59.66	37.5	1226	382.5	36.00	3.205	58.65	36.4	1204	410.0	36.00	2.936	57.59	35.3
	7.00	1288	360.3	36.00	3.576	61.65	39.7	1267	386.3	36.00	3.279	60.62	38.5	1244	414.1	36.00	3.004	59.52	37.3
	8.00	1327	363.5	36.00	3.649	63.47	41.8	1304	389.8	36.00	3.345	62.40	40.6	1281	417.9	36.00	3.064	61.27	39.3
	9.00	1360	366.4	36.00	3.713	65.09	43.8	1337	393.0	36.00	3.404	63.99	42.4	1313	421.3	36.00	3.117	62.83	41.1
APCY6385DH	5.00	1293	375.9	40.00	3.440	61.86	39.9	1271	403.0	40.00	3.154	60.81	38.8	1248	431.8	40.00	2.889	59.70	37.5
	6.00	1334	379.4	40.00	3.517	63.85	42.3	1312	406.8	40.00	3.227	62.79	41.0	1289	436.0	40.00	2.957	61.68	39.7
	7.00	1380	383.2	40.00	3.602	66.03	45.0	1357	410.8	40.00	3.305	64.95	43.6	1333	440.4	40.00	3.028	63.80	42.2
	8.00	1423	386.7	40.00	3.680	68.09	47.7	1399	414.6	40.00	3.375	66.96	46.2	1375	444.4	40.00	3.093	65.77	44.7
	9.00	1461	389.8	40.00	3.749	69.92	50.3	1437	417.9	40.00	3.438	68.75	48.6	1411	448.0	40.00	3.150	67.53	47.0
APCY6405DH	5.00	1367	407.0	40.00	3.358	65.39	44.2	1343	436.5	40.00	3.077	64.25	42.8	1318	467.9	40.00	2.816	63.06	41.3
	6.00	1409	411.0	40.00	3.429	67.42	46.8	1386	440.8	40.00	3.143	66.29	45.3	1361	472.7	40.00	2.879	65.10	43.8
	7.00	1458	415.5	40.00	3.509	69.76	50.0	1434	445.7	40.00	3.216	68.61	48.4	1408	477.9	40.00	2.947	67.37	46.7
	8.00	1505	419.8	40.00	3.586	72.02	53.4	1480	450.3	40.00	3.287	70.81	51.6	1453	482.8	40.00	3.010	69.54	49.7
	9.00	1548	423.6	40.00	3.654	74.05	56.6	1521	454.4	40.00	3.348	72.79	54.6	1494	487.2	40.00	3.066	71.47	52.6
APCY6410TH	5.00	1383	399.5	44.00	3.462	66.17	39.9	1360	428.2	44.00	3.176	65.08	38.8	1336	459.0	44.00	2.911	63.93	37.7
	6.00	1425	402.9	44.00	3.538	68.19	42.1	1402	432.0	44.00	3.246	67.08	40.9	1378	463.0	44.00	2.975	65.91	39.7
	7.00	1469	406.5	44.00	3.615	70.31	44.4	1446	435.8	44.00	3.318	69.18	43.1	1421	467.1	44.00	3.041	67.98	41.9
	8.00	1516	410.1	44.00	3.696	72.53	47.0	1492	439.8	44.00	3.392	71.37	45.7	1466	471.4	44.00	3.110	70.14	44.3
	9.00	1554	413.1	44.00	3.762	74.36	49.3	1529	443.0	44.00	3.451	73.15	47.8	1502	474.9	44.00	3.164	71.88	46.3
APCY6425TH	5.00	1439	423.3	44.00	3.399	68.85	42.8	1415	454.0	44.00	3.118	67.72	41.6	1390	486.8	44.00	2.856	66.52	40.3
	6.00	1484	427.2	44.00	3.473	70.99	45.2	1459	458.2	44.00	3.185	69.83	43.9	1434	491.3	44.00	2.918	68.59	42.5
	7.00	1530	431.2	44.00	3.548	73.20	47.9	1505	462.5	44.00	3.255	72.02	46.4	1479	495.9	44.00	2.982	70.75	45.0
	8.00	1579	435.4	44.00	3.626	75.55	50.8	1553	467.0	44.00	3.326	74.32	49.2	1526	500.8	44.00	3.048	73.03	47.6
	9.00	1621	438.9	44.00	3.692	77.55	53.5	1594	470.8	44.00	3.386	76.27	51.7	1566	504.8	44.00	3.102	74.93	50.0
APCY6445TH	5.00	1503	439.4	48.00	3.420	71.90	46.3	1479	471.1	48.00	3.139	70.75	44.9	1453	505.0	48.00	2.878	69.53	43.6
	6.00	1550	443.3	48.00	3.497	74.18	49.1	1526	475.3	48.00	3.210	72.99	47.6	1499	509.5	48.00	2.943	71.73	46.1
	7.00	1599	447.3	48.00	3.575	76.52	52.1	1574	479.6	48.00	3.282	75.31	50.4	1547	514.1	48.00	3.009	74.01	48.9
	8.00	1651	451.5	48.00	3.658	79.01	55.5	1625	484.1	48.00	3.357	77.76	53.8	1598	519.0	48.00	3.078	76.44	52.0
	9.00	1698	455.2	48.00	3.730	81.22	58.7	1670	488.0	48.00	3.422	79.91	56.8	1641	523.2	48.00	3.137	78.53	54.8
APCY6465TH	5.00	1556	463.0	48.00	3.360	74.44	49.4	1531	496.6	48.00	3.083	73.25	47.9	1504	532.4	48.00	2.825	71.98	46.4
	6.00	1606	467.4	48.00	3.436	76.84	52.5	1580	501.3	48.00	3.152	75.61	50.9	1553	537.5	48.00	2.889	74.30	49.2
	7.00	1657	471.9	48.00	3.512	79.29	55.9	1631	506.1	48.00	3.223	78.02	54.1	1603	542.7	48.00	2.953	76.68	52.3
	8.00	1712	476.6	48.00	3.592	81.91	59.8	1685	511.2	48.00	3.296	80.60	57.8	1656	548.2	48.00	3.021	79.22	55.8
	9.00	1762	480.8	48.00	3.664	84.30	63.6	1733	515.7	48.00	3.361	82.93	61.4	1703	553.0	48.00	3.079	81.48	59.1
APCY6480TH	5.00	1607	487.1	48.00	3.298	76.88	52.6	1581	522.7	48.00	3.025	75.65	50.9	1554	560.6	48.00	2.772	74.34	49.3
	6.00	1660	492.1	48.00	3.373	79.41	56.1	1633	528.0	48.00	3.093	78.13	54.3	1605	566.2	48.00	2.834	76.77	52.4
	7.00	1713	497.0	48.00	3.447	81.97	59.9	1686	533.3	48.00	3.162	80.65	57.8	1657	571.9	48.00	2.897	79.26	55.9
	8.00	1771	502.1	48.00	3.526	84.72	64.3	1742	538.8	48.00	3.234	83.36	62.1	1712	577.9	48.00	2.963	81.92	59.8
	9.00	1824	506.8	48.00	3.600	87.29	68.7	1795	543.8	48.00	3.300	85.86	66.2	1763	583.3	48.00	3.022	84.35	63.7
APCY6495TH	5.00	1656	511.6	48.00	3.236	79.22	55.8	1629	549.1	48.00	2.967	77.96	54.0	1601	589.1	48.00	2.718	76.61	52.2
	6.00	1712	517.2	48.00	3.309	81.89	59.8	1684	555.1	48.00	3.034	80.57	57.8	1655	595.4	48.00	2.779	79.17	55.7
	7.00	1767	522.6	48.00	3.382	84.56	64.0	1739	560.9	48.00	3.100	83.20	61.8	1709	601.7	48.00	2.840	81.75	59.5
	8.00	1828	528.4	48.00	3.459	87.44	69.0	1798	567.1	48.00	3.171	86.03	66.5	1767	608.4	48.00	2.904	84.54	64.0
	9.00	1885	533.7	48.00	3.532	90.20	74.2	1854	572.8	48.00	3.237	88.72	71.3	1821	614.6	48.00	2.964	87.14	68.5
APCY6510TH	5.00	1702	536.4	48.00	3.174	81.45	59.1	1676	576.0	48.00	2.909	80.17	57.2	1647	618.1	48.00	2.664	78.79	55.2
	6.00	1762	542.7	48.00	3.246	84.28	63.6	1733	582.7	48.00	2.974	82.92	61.4	1703	625.2	48.00	2.724	81.48	59.1
	7.00	1820	548.8	48.00	3.316	87.07	68.3	1791	589.2	48.00	3.039	85.67	65.8	1759	632.1	48.00	2.783	84.17	63.4
	8.00	1883	555.2	48.00	3.391	90.08	73.9	1852	596.0	48.00	3.108	88.62	71.2	1820	639.5	48.00	2.846	87.08	68.4
	9.00	1945	561.3	48.00	3.464	93.04	79.9	1912	602.5	48.00	3.174	91.49	76.7	1878	646.5	48.00	2.905	89.86	73.5

Table 27

Notes:

- Capacity ratings are based on following condition. Evaporator Water Temperature Change: 5°C Evaporator Fouling Factor: 0.0176m² K/kW.
- Total power mentioned in this page should not be used for cable or fuse selection. Unit maximum running current given in the data pages (44 to 48) should be referred for the same.

capacity ratings - 60.hz (SI)

Model	LWT °C	Condenser Entering Air Dry Bulb °C																	
		45.0						48						51.7					
		Capacity	Total Power ⁽²⁾	Fan Power ⁽²⁾	COP	WFR	WPD	Capacity	Total Power ⁽²⁾	Fan Power ⁽²⁾	COP	WFR	WPD	Capacity	Total Power ⁽²⁾	Fan Power ⁽²⁾	COP	WFR	WPD
		kW	kW	kW	WW	L/s	kPa	kW	kW	kW	WW	L/s	kPa	kW	kW	kW	WW	L/s	kPa
APCY6360DH	5.00	1108	475.9	36.00	2.329	53.03	30.7	1082	508.8	36.00	2.127	51.79	29.5	1048	552.0	36.00	1.899	50.16	28.0
	6.00	1147	480.9	36.00	2.385	54.88	32.5	1121	514.3	36.00	2.179	53.62	31.3	1086	558.1	36.00	1.947	51.98	29.7
	7.00	1186	485.9	36.00	2.440	56.73	34.4	1159	519.7	36.00	2.230	55.44	33.1	1124	564.1	36.00	1.992	53.76	31.4
	8.00	1221	490.5	36.00	2.489	58.40	36.1	1193	524.6	36.00	2.274	57.08	34.8	1157	569.5	36.00	2.031	55.35	33.0
	9.00	1252	494.5	36.00	2.531	59.88	37.7	1223	529.0	36.00	2.312	58.52	36.3	1186	574.4	36.00	2.065	56.76	34.4
APCY6385DH	5.00	1189	506.3	40.00	2.348	56.87	34.5	1161	541.3	40.00	2.145	55.55	33.2	1125	587.3	40.00	1.916	53.84	31.5
	6.00	1230	511.4	40.00	2.405	58.83	36.6	1202	546.8	40.00	2.198	57.51	35.2	1166	593.5	40.00	1.964	55.78	33.4
	7.00	1272	516.6	40.00	2.463	60.88	38.8	1244	552.5	40.00	2.251	59.52	37.3	1207	599.7	40.00	2.012	57.75	35.4
	8.00	1311	521.4	40.00	2.515	62.75	41.0	1282	557.7	40.00	2.299	61.35	39.4	1244	605.4	40.00	2.055	59.53	37.3
	9.00	1346	525.8	40.00	2.561	64.42	43.0	1316	562.4	40.00	2.341	62.98	41.2	1277	610.6	40.00	2.092	61.11	39.1
APCY6405DH	5.00	1254	549.0	40.00	2.285	60.01	37.9	1225	587.0	40.00	2.086	58.60	36.3	1186	637.0	40.00	1.862	56.76	34.4
	6.00	1297	554.7	40.00	2.338	62.05	40.2	1267	593.3	40.00	2.136	60.63	38.6	1228	644.0	40.00	1.908	58.78	36.5
	7.00	1343	560.9	40.00	2.394	64.25	42.8	1312	600.0	40.00	2.187	62.79	41.0	1273	651.3	40.00	1.954	60.90	38.8
	8.00	1386	566.7	40.00	2.445	66.30	45.3	1354	606.2	40.00	2.234	64.79	43.4	1313	658.1	40.00	1.995	62.84	41.1
	9.00	1424	572.0	40.00	2.489	68.13	47.8	1392	611.8	40.00	2.274	66.58	45.7	1349	664.2	40.00	2.031	64.56	43.1
APCY6410TH	5.00	1275	538.5	44.00	2.367	61.00	34.8	1246	575.9	44.00	2.164	59.63	33.5	1209	625.2	44.00	1.933	57.83	31.8
	6.00	1315	543.2	44.00	2.421	62.91	36.6	1286	581.0	44.00	2.213	61.52	35.3	1248	630.7	44.00	1.978	59.70	33.5
	7.00	1357	548.2	44.00	2.476	64.93	38.7	1327	586.3	44.00	2.264	63.51	37.2	1289	636.5	44.00	2.025	61.67	35.4
	8.00	1401	553.3	44.00	2.532	67.02	40.8	1371	591.8	44.00	2.316	65.57	39.3	1331	642.6	44.00	2.071	63.69	37.4
	9.00	1435	557.3	44.00	2.574	68.65	42.6	1403	596.1	44.00	2.354	67.15	41.0	1363	647.1	44.00	2.106	65.20	38.9
APCY6425TH	5.00	1326	571.3	44.00	2.321	63.44	37.2	1296	611.1	44.00	2.120	62.00	35.7	1256	663.5	44.00	1.894	60.12	33.9
	6.00	1368	576.6	44.00	2.372	65.44	39.2	1337	616.8	44.00	2.168	63.98	37.7	1297	669.7	44.00	1.937	62.07	35.8
	7.00	1412	582.2	44.00	2.425	67.55	41.4	1381	622.8	44.00	2.217	66.06	39.8	1340	676.3	44.00	1.981	64.12	37.8
	8.00	1458	588.0	44.00	2.479	69.75	43.8	1426	629.1	44.00	2.267	68.23	42.1	1384	683.2	44.00	2.026	66.24	40.0
	9.00	1495	592.7	44.00	2.522	71.51	45.8	1462	634.1	44.00	2.305	69.93	44.0	1419	688.5	44.00	2.060	67.88	41.7
APCY6445TH	5.00	1387	592.5	48.00	2.342	66.38	40.2	1357	633.8	48.00	2.141	64.91	38.6	1316	688.1	48.00	1.913	62.99	36.7
	6.00	1432	597.9	48.00	2.395	68.51	42.4	1401	639.5	48.00	2.190	67.01	40.8	1359	694.4	48.00	1.958	65.05	38.8
	7.00	1478	603.5	48.00	2.450	70.73	44.9	1446	645.6	48.00	2.240	69.20	43.2	1405	701.1	48.00	2.003	67.21	41.0
	8.00	1527	609.3	48.00	2.506	73.07	47.7	1495	651.9	48.00	2.292	71.51	45.8	1452	708.0	48.00	2.050	69.46	43.5
	9.00	1568	614.2	48.00	2.553	75.02	50.1	1534	657.2	48.00	2.334	73.39	48.1	1490	713.7	48.00	2.087	71.27	45.6
APCY6465TH	5.00	1436	625.1	48.00	2.298	68.71	42.7	1404	668.7	48.00	2.100	67.18	41.0	1362	726.1	48.00	1.876	65.18	38.9
	6.00	1483	631.1	48.00	2.349	70.94	45.2	1450	675.1	48.00	2.148	69.37	43.4	1407	733.2	48.00	1.919	67.32	41.2
	7.00	1531	637.3	48.00	2.402	73.25	47.9	1498	681.8	48.00	2.196	71.65	46.0	1454	740.6	48.00	1.963	69.57	43.6
	8.00	1582	643.9	48.00	2.457	75.70	51.0	1548	689.0	48.00	2.247	74.07	48.9	1503	748.4	48.00	2.009	71.93	46.3
	9.00	1626	649.5	48.00	2.503	77.80	53.8	1590	695.0	48.00	2.288	76.10	51.5	1544	754.9	48.00	2.045	73.87	48.7
APCY6480TH	5.00	1483	658.3	48.00	2.253	70.96	45.2	1450	704.2	48.00	2.059	69.37	43.4	1407	763.8	48.00	1.842	67.32	41.1
	6.00	1532	665.0	48.00	2.304	73.29	48.0	1498	711.4	48.00	2.105	71.66	46.0	1454	771.6	48.00	1.884	69.56	43.6
	7.00	1582	671.8	48.00	2.355	75.69	51.0	1547	718.8	48.00	2.152	74.03	48.9	1502	779.8	48.00	1.927	71.89	46.3
	8.00	1636	679.0	48.00	2.409	78.26	54.4	1600	726.7	48.00	2.202	76.55	52.1	1554	788.5	48.00	1.971	74.36	49.3
	9.00	1683	686.4	48.00	2.455	80.52	57.7	1646	733.5	48.00	2.243	78.74	55.1	1598	795.9	48.00	2.007	76.45	52.0
APCY6495TH	5.00	1528	692.1	48.00	2.208	73.13	47.8	1494	740.4	48.00	2.018	71.48	45.8	1449	803.0	48.00	1.805	69.35	43.4
	6.00	1579	699.5	48.00	2.258	75.56	50.8	1544	748.3	48.00	2.063	73.87	48.7	1498	811.6	48.00	1.846	71.68	46.0
	7.00	1631	707.0	48.00	2.307	78.05	54.2	1595	756.5	48.00	2.109	76.33	51.8	1549	820.6	48.00	1.887	74.10	49.0
	8.00	1687	715.0	48.00	2.360	80.73	58.0	1650	765.2	48.00	2.157	78.96	55.4	1603	830.3	48.00	1.930	76.68	52.3
	9.00	1738	722.3	48.00	2.406	83.15	61.7	1699	773.1	48.00	2.198	81.29	58.8	1649	838.8	48.00	1.966	78.91	55.4
APCY6510TH	5.00	1572	726.4	48.00	2.164	75.21	50.4	1536	777.1	48.00	1.977	73.51	48.2	1490	842.8	48.00	1.768	71.31	45.6
	6.00	1625	734.5	48.00	2.212	77.75	53.7	1588	785.8	48.00	2.021	76.00	51.4	1541	852.3	48.00	1.808	73.74	48.5
	7.00	1679	742.8	48.00	2.260	80.34	57.4	1642	794.8	48.00	2.065	78.55	54.8	1593	862.2	48.00	1.848	76.24	51.7
	8.00	1737	751.7	48.00	2.311	83.13	61.7	1699	804.5	48.00	2.112	81.29	58.8	1649	872.9	48.00	1.890	78.92	55.4
	9.00	1791	760.0	48.00	2.357	85.71	66.0	1751	813.4	48.00	2.153	83.78	62.7	1699	882.6	48.00	1.925	81.30	58.9

Table 28

Notes:

- Capacity ratings are based on following condition. Evaporator Water Temperature Change: 5°C Evaporator Fouling Factor: 0.0176m² K/kW.
- Total power mentioned in this page should not be used for cable or fuse selection. Unit maximum running current given in the data pages (44 to 48) should be referred for the same.



IPLV Calculation - 50.hz (IP)

Model	IPLV Calculation					
	Dry Bulb*, °F	55.0	65.0	80.0	95.0	IPLV, IP. Btu / W.h
	% Load	25%	50%	75%	100%	
APCY5080DH	Capacity, tonR	20.35	40.69	61.04	81.38	14.26
	Power, kW	16.75	32.93	53.82	82.91	
	EER, Btu / W.h	14.58	14.83	13.61	11.78	
APCY5085DH	Capacity, tonR	21.53	43.05	64.58	86.10	14.49
	Power, kW	17.42	34.17	56.24	88.37	
	EER, Btu / W.h	14.83	15.12	13.78	11.69	
APCY5090DH	Capacity, tonR	22.67	45.34	68.00	90.67	14.70
	Power, kW	18.08	35.40	58.54	93.95	
	EER, Btu / W.h	15.05	15.37	13.94	11.58	
APCY5095DH	Capacity, tonR	23.78	47.56	71.34	95.12	14.69
	Power, kW	18.96	37.18	61.32	102.3	
	EER, Btu / W.h	15.05	15.35	13.96	11.16	
APCY5105DH	Capacity, tonR	26.58	53.15	79.73	106.3	14.56
	Power, kW	21.19	41.60	70.04	107.4	
	EER, Btu / W.h	15.05	15.33	13.66	11.88	
APCY5115DH	Capacity, tonR	28.28	56.55	84.83	113.1	14.77
	Power, kW	22.34	43.70	73.18	119.0	
	EER, Btu / W.h	15.19	15.53	13.91	11.41	
APCY5125DH	Capacity, tonR	31.75	63.50	95.25	127.0	14.74
	Power, kW	24.89	50.03	80.95	131.7	
	EER, Btu / W.h	15.31	15.23	14.12	11.57	
APCY5130DH	Capacity, tonR	32.90	65.80	98.70	131.6	14.86
	Power, kW	25.50	51.01	83.94	140.2	
	EER, Btu / W.h	15.48	15.48	14.11	11.26	
APCY5140DH	Capacity, tonR	35.00	70.00	105.0	140.0	14.60
	Power, kW	26.85	54.97	92.31	143.8	
	EER, Btu / W.h	15.64	15.28	13.65	11.68	
APCY5155DH	Capacity, tonR	39.33	78.65	118.0	157.3	14.58
	Power, kW	33.98	60.97	102.1	158.2	
	EER, Btu / W.h	13.89	15.48	13.87	11.93	
APCY5165DH	Capacity, tonR	41.28	82.55	123.8	165.1	14.47
	Power, kW	35.51	64.62	108.0	169.1	
	EER, Btu / W.h	13.95	15.33	13.76	11.72	
APCY5175DH	Capacity, tonR	43.18	86.35	129.5	172.7	14.37
	Power, kW	36.99	68.22	113.8	180.2	
	EER, Btu / W.h	14.01	15.19	13.65	11.50	
APCY5185DH	Capacity, tonR	45.75	91.50	137.3	183.0	14.56
	Power, kW	38.61	71.30	119.2	195.2	
	EER, Btu / W.h	14.22	15.40	13.82	11.25	
APCY5195DH	Capacity, tonR	49.05	98.10	147.2	196.2	14.60
	Power, kW	40.88	75.51	129.4	200.8	
	EER, Btu / W.h	14.40	15.59	13.65	11.72	
APCY5210DH	Capacity, tonR	52.55	105.1	157.7	210.2	14.78
	Power, kW	43.16	79.82	136.9	221.4	
	EER, Btu / W.h	14.61	15.80	13.82	11.39	
APCY5230DH	Capacity, tonR	57.83	115.7	173.5	231.3	14.95
	Power, kW	46.92	86.83	149.1	245.8	
	EER, Btu / W.h	14.79	15.99	13.96	11.29	

Model	IPLV Calculation					
	Dry Bulb*, °F	55.0	65.0	80.0	95.0	IPLV, IP. Btu / W.h
	% Load	25%	50%	75%	100%	
APCY5250DH	Capacity, tonR	62.45	124.9	187.4	249.8	14.63
	Power, kW	53.22	96.08	162.8	258.3	
	EER, Btu / W.h	14.08	15.60	13.81	11.61	
APCY5265DH	Capacity, tonR	66.18	132.4	198.5	264.7	14.76
	Power, kW	55.69	100.9	171.0	281.4	
	EER, Btu / W.h	14.26	15.74	13.93	11.29	
APCY5285DH	Capacity, tonR	72.08	144.2	216.2	288.3	14.86
	Power, kW	60.07	109.2	185.2	295.9	
	EER, Btu / W.h	14.40	15.85	14.01	11.69	
APCY5300DH	Capacity, tonR	75.88	151.8	227.6	303.5	14.94
	Power, kW	62.75	114.3	194.1	319.3	
	EER, Btu / W.h	14.51	15.94	14.07	11.41	
APCY5325DH	Capacity, tonR	81.60	163.2	244.8	326.4	14.77
	Power, kW	66.98	125.4	210.0	338.1	
	EER, Btu / W.h	14.62	15.62	13.99	11.58	
APCY5345DH	Capacity, tonR	86.38	172.8	259.1	345.5	14.87
	Power, kW	70.47	132.1	220.4	367.7	
	EER, Btu / W.h	14.71	15.70	14.11	11.28	
APCY5365TH	Capacity, tonR	90.80	181.6	272.4	363.2	14.61
	Power, kW	76.20	141.7	234.3	380.1	
	EER, Btu / W.h	14.30	15.38	13.95	11.47	
APCY5380TH	Capacity, tonR	94.45	188.9	283.4	377.8	14.77
	Power, kW	77.10	144.8	244.0	403.4	
	EER, Btu / W.h	14.70	15.65	13.94	11.24	
APCY5395TH	Capacity, tonR	98.85	197.7	296.6	395.4	14.72
	Power, kW	81.64	152.3	255.5	415.5	
	EER, Btu / W.h	14.53	15.58	13.93	11.42	
APCY5410TH	Capacity, tonR	102.4	204.8	307.2	409.6	14.79
	Power, kW	84.11	156.9	263.7	438.5	
	EER, Btu / W.h	14.61	15.66	13.98	11.21	
APCY5425TH	Capacity, tonR	106.7	213.4	320.0	426.7	14.78
	Power, kW	87.22	164.3	273.7	450.7	
	EER, Btu / W.h	14.68	15.59	14.03	11.36	
APCY5455TH	Capacity, tonR	113.3	226.6	339.9	453.2	14.78
	Power, kW	92.18	175.1	289.9	478.2	
	EER, Btu / W.h	14.75	15.53	14.07	11.37	
APCY5475TH	Capacity, tonR	118.7	237.4	356.0	474.7	14.85
	Power, kW	96.18	182.7	301.7	497.6	
	EER, Btu / W.h	14.81	15.59	14.16	11.45	
APCY5495TH	Capacity, tonR	123.3	246.7	370.0	493.3	14.92
	Power, kW	99.50	189.2	312.0	527.6	
	EER, Btu / W.h	14.87	15.65	14.23	11.22	
APCY5520TH	Capacity, tonR	129.7	259.5	389.2	518.9	14.97
	Power, kW	104.3	198.3	326.6	561.0	
	EER, Btu / W.h	14.93	15.70	14.30	11.09	

Table 29

IPLV Calculation - 60.hz (IP)

Model	IPLV Calculation					
	Dry Bulb*, °F	55.0	65.0	80.0	95.0	IPLV.IP. Btu / W.h
	% Load	25%	50%	75%	100%	
APCY6095DH	Capacity, tonR	23.26	46.51	69.77	93.02	14.23
	Power, kW	19.36	37.69	61.38	101.4	
	EER, Btu / W.h	14.42	14.81	13.64	11.01	
APCY6100DH	Capacity, tonR	25.40	50.80	76.20	101.6	14.34
	Power, kW	20.92	40.80	66.74	109.1	
	EER, Btu / W.h	14.57	14.94	13.70	11.18	
APCY6110DH	Capacity, tonR	26.85	53.70	80.55	107.4	14.42
	Power, kW	21.93	42.79	70.30	116.2	
	EER, Btu / W.h	14.69	15.06	13.75	11.09	
APCY6115DH	Capacity, tonR	28.80	57.60	86.40	115.2	14.41
	Power, kW	23.24	45.44	76.86	123.8	
	EER, Btu / W.h	14.87	15.21	13.49	11.17	
APCY6125DH	Capacity, tonR	31.58	63.15	94.73	126.3	14.54
	Power, kW	25.21	49.43	83.52	132.9	
	EER, Btu / W.h	15.03	15.33	13.61	11.40	
APCY6135DH	Capacity, tonR	33.80	67.60	101.4	135.2	14.71
	Power, kW	26.65	52.13	88.49	147.5	
	EER, Btu / W.h	15.22	15.56	13.75	11.00	
APCY6145DH	Capacity, tonR	36.23	72.45	108.7	144.9	14.87
	Power, kW	28.25	55.20	94.04	160.8	
	EER, Btu / W.h	15.39	15.75	13.87	10.81	
APCY6160DH	Capacity, tonR	40.30	80.60	120.9	161.2	14.20
	Power, kW	35.04	64.48	107.3	168.1	
	EER, Btu / W.h	13.80	15.00	13.52	11.51	
APCY6170DH	Capacity, tonR	41.78	83.55	125.3	167.1	14.43
	Power, kW	35.68	65.62	109.7	178.1	
	EER, Btu / W.h	14.05	15.28	13.71	11.26	
APCY6185DH	Capacity, tonR	46.30	92.60	138.9	185.2	14.55
	Power, kW	39.43	71.83	121.0	197.5	
	EER, Btu / W.h	14.09	15.47	13.78	11.25	
APCY6195DH	Capacity, tonR	48.53	97.05	145.6	194.1	14.72
	Power, kW	40.70	74.42	125.5	211.2	
	EER, Btu / W.h	14.31	15.65	13.92	11.03	
APCY6205DH	Capacity, tonR	50.70	101.4	152.1	202.8	14.87
	Power, kW	41.90	76.92	129.9	225.3	
	EER, Btu / W.h	14.52	15.82	14.05	10.80	
APCY6220DH	Capacity, tonR	54.53	109.1	163.6	218.1	14.61
	Power, kW	45.41	83.55	144.2	233.0	
	EER, Btu / W.h	14.41	15.67	13.61	11.23	
APCY6230DH	Capacity, tonR	57.50	115.0	172.5	230.0	14.53
	Power, kW	48.18	88.86	152.3	250.3	
	EER, Btu / W.h	14.32	15.53	13.59	11.03	
APCY6240DH	Capacity, tonR	59.48	119.0	178.4	237.9	14.53
	Power, kW	49.84	91.95	157.5	252.9	
	EER, Btu / W.h	14.32	15.53	13.59	11.29	

Model	IPLV Calculation					
	Dry Bulb*, °F	55.0	65.0	80.0	95.0	IPLV.IP. Btu / W.h
	% Load	25%	50%	75%	100%	
APCY6260DH	Capacity, tonR	64.50	129.0	193.5	258.0	14.32
	Power, kW	53.23	102.3	172.6	269.0	
	EER, Btu / W.h	14.54	15.13	13.45	11.51	
APCY6275DH	Capacity, tonR	68.65	137.3	206.0	274.6	14.51
	Power, kW	55.89	107.3	181.5	294.2	
	EER, Btu / W.h	14.74	15.35	13.62	11.20	
APCY6300DH	Capacity, tonR	75.45	150.9	226.4	301.8	14.55
	Power, kW	64.90	116.8	197.4	313.7	
	EER, Btu / W.h	13.95	15.51	13.76	11.55	
APCY6320DH	Capacity, tonR	80.00	160.0	240.0	320.0	14.68
	Power, kW	67.99	122.6	207.5	341.0	
	EER, Btu / W.h	14.12	15.66	13.88	11.26	
APCY6340DH	Capacity, tonR	85.30	170.6	255.9	341.2	14.48
	Power, kW	71.68	133.8	223.8	358.5	
	EER, Btu / W.h	14.28	15.30	13.72	11.42	
APCY6360DH	Capacity, tonR	89.68	179.4	269.0	358.7	14.59
	Power, kW	74.58	139.4	233.7	385.8	
	EER, Btu / W.h	14.43	15.44	13.81	11.16	
APCY6385DH	Capacity, tonR	96.13	192.3	288.4	384.5	14.35
	Power, kW	83.41	152.4	252.1	410.3	
	EER, Btu / W.h	13.83	15.14	13.73	11.24	
APCY6405DH	Capacity, tonR	101.6	203.2	304.7	406.3	14.47
	Power, kW	87.40	159.9	263.6	445.2	
	EER, Btu / W.h	13.95	15.25	13.87	10.95	
APCY6410TH	Capacity, tonR	102.5	204.9	307.4	409.8	14.35
	Power, kW	87.42	162.2	270.8	435.4	
	EER, Btu / W.h	14.07	15.16	13.62	11.29	
APCY6425TH	Capacity, tonR	106.7	213.4	320.1	426.8	14.45
	Power, kW	90.23	167.7	280.2	462.1	
	EER, Btu / W.h	14.19	15.27	13.71	11.08	
APCY6445TH	Capacity, tonR	111.6	223.3	334.9	446.5	14.39
	Power, kW	93.65	178.2	291.2	479.3	
	EER, Btu / W.h	14.30	15.04	13.80	11.18	
APCY6465TH	Capacity, tonR	115.7	231.4	347.1	462.8	14.48
	Power, kW	96.35	183.3	300.1	505.8	
	EER, Btu / W.h	14.41	15.15	13.88	10.98	
APCY6480TH	Capacity, tonR	119.7	239.4	359.0	478.7	14.57
	Power, kW	98.99	188.4	309.0	533.0	
	EER, Btu / W.h	14.51	15.25	13.94	10.78	
APCY6495TH	Capacity, tonR	123.5	247.0	370.5	494.0	14.64
	Power, kW	101.5	193.1	317.6	560.8	
	EER, Btu / W.h	14.60	15.35	14.00	10.57	
APCY6510TH	Capacity, tonR	127.2	254.5	381.7	508.9	14.71
	Power, kW	103.9	197.8	326.0	589.1	
	EER, Btu / W.h	14.69	15.44	14.05	10.37	

Table 30



IPLV Calculation - 50.hz (SI)

Model	IPLV Calculation					
	Dry Bulb* , °C	13.0	19.0	27.0	35.0	IPLV.SI W/W
	% Load	25%	50%	75%	100%	
APCY5080DH	Capacity, kW	71.67	143.3	215.0	286.7	4.164
	Power, kW	16.69	33.20	54.04	83.60	
	COP, W/W	4.294	4.318	3.979	3.463	
APCY5085DH	Capacity, kW	75.80	151.6	227.4	303.2	4.232
	Power, kW	17.36	34.43	56.44	89.15	
	COP, W/W	4.367	4.403	4.029	3.437	
APCY5090DH	Capacity, kW	79.78	159.6	239.3	319.1	4.292
	Power, kW	18.00	35.64	58.73	94.82	
	COP, W/W	4.432	4.477	4.075	3.403	
APCY5095DH	Capacity, kW	83.62	167.2	250.9	334.5	4.291
	Power, kW	18.87	37.41	61.47	103.3	
	COP, W/W	4.432	4.471	4.081	3.277	
APCY5105DH	Capacity, kW	93.78	187.6	281.3	375.1	4.253
	Power, kW	21.16	42.01	70.46	108.4	
	COP, W/W	4.432	4.465	3.993	3.494	
APCY5115DH	Capacity, kW	99.51	199.0	298.5	398.0	4.320
	Power, kW	22.27	43.99	73.15	120.0	
	COP, W/W	4.468	4.524	4.081	3.353	
APCY5125DH	Capacity, kW	111.7	223.4	335.1	446.8	4.304
	Power, kW	24.78	50.37	81.18	133.0	
	COP, W/W	4.508	4.435	4.128	3.402	
APCY5130DH	Capacity, kW	115.7	231.4	347.1	462.9	4.347
	Power, kW	25.41	51.33	83.85	141.6	
	COP, W/W	4.553	4.509	4.140	3.311	
APCY5140DH	Capacity, kW	123.2	246.3	369.5	492.6	4.265
	Power, kW	26.74	55.35	92.60	145.0	
	COP, W/W	4.605	4.450	3.990	3.433	
APCY5155DH	Capacity, kW	139.1	278.3	417.4	556.5	4.258
	Power, kW	34.00	61.71	102.9	160.2	
	COP, W/W	4.092	4.509	4.055	3.516	
APCY5165DH	Capacity, kW	145.9	291.9	437.8	583.7	4.227
	Power, kW	35.52	65.37	108.8	171.2	
	COP, W/W	4.109	4.465	4.023	3.453	
APCY5175DH	Capacity, kW	152.6	305.2	457.8	610.4	4.196
	Power, kW	36.98	68.99	114.7	182.6	
	COP, W/W	4.127	4.424	3.990	3.388	
APCY5185DH	Capacity, kW	161.6	323.2	484.7	646.3	4.251
	Power, kW	38.57	72.05	120.0	197.9	
	COP, W/W	4.189	4.485	4.040	3.313	
APCY5195DH	Capacity, kW	173.1	346.3	519.4	692.6	4.263
	Power, kW	40.82	76.26	130.2	203.3	
	COP, W/W	4.241	4.541	3.990	3.450	
APCY5210DH	Capacity, kW	185.3	370.6	555.9	741.2	4.318
	Power, kW	43.06	80.51	137.6	224.3	
	COP, W/W	4.303	4.603	4.040	3.350	
APCY5230DH	Capacity, kW	203.9	407.8	611.7	815.7	4.366
	Power, kW	46.81	87.55	149.9	249.3	
	COP, W/W	4.356	4.658	4.081	3.321	

Model	IPLV Calculation					
	Dry Bulb* , °C	13.0	19.0	27.0	35.0	IPLV.SI W/W
	% Load	25%	50%	75%	100%	
APCY5250DH	Capacity, kW	220.2	440.4	660.6	880.8	4.272
	Power, kW	53.09	96.92	163.6	261.6	
	COP, W/W	4.148	4.544	4.037	3.413	
APCY5265DH	Capacity, kW	233.2	466.4	699.7	932.9	4.311
	Power, kW	55.53	101.7	171.8	285.3	
	COP, W/W	4.200	4.585	4.073	3.318	
APCY5285DH	Capacity, kW	254.1	508.2	762.3	1016	4.341
	Power, kW	59.92	110.1	186.1	299.8	
	COP, W/W	4.241	4.617	4.096	3.438	
APCY5300DH	Capacity, kW	267.4	534.8	802.1	1070	4.364
	Power, kW	62.56	115.2	195.0	323.7	
	COP, W/W	4.274	4.644	4.114	3.354	
APCY5325DH	Capacity, kW	287.6	575.1	862.7	1150	4.316
	Power, kW	66.78	126.4	210.9	342.5	
	COP, W/W	4.306	4.550	4.090	3.406	
APCY5345DH	Capacity, kW	304.3	608.6	912.9	1217	4.343
	Power, kW	70.25	133.1	221.3	372.9	
	COP, W/W	4.332	4.573	4.125	3.314	
APCY5365TH	Capacity, kW	319.9	639.8	959.7	1280	4.267
	Power, kW	75.95	142.8	235.3	385.1	
	COP, W/W	4.212	4.479	4.078	3.370	
APCY5380TH	Capacity, kW	332.6	665.2	997.8	1330	4.316
	Power, kW	76.83	145.9	244.9	408.8	
	COP, W/W	4.329	4.559	4.075	3.303	
APCY5395TH	Capacity, kW	348.1	696.1	1044	1392	4.300
	Power, kW	81.34	153.4	256.4	420.8	
	COP, W/W	4.279	4.538	4.073	3.355	
APCY5410TH	Capacity, kW	360.4	720.7	1081	1441	4.319
	Power, kW	83.75	158.0	264.5	444.2	
	COP, W/W	4.303	4.562	4.087	3.292	
APCY5425TH	Capacity, kW	375.3	750.7	1126	1501	4.318
	Power, kW	86.82	165.3	274.5	456.3	
	COP, W/W	4.323	4.541	4.102	3.336	
APCY5455TH	Capacity, kW	399.2	798.4	1198	1597	4.318
	Power, kW	91.90	176.5	291.1	484.7	
	COP, W/W	4.344	4.523	4.114	3.343	
APCY5475TH	Capacity, kW	419.3	838.6	1258	1677	4.339
	Power, kW	96.15	184.7	303.9	498.4	
	COP, W/W	4.361	4.541	4.140	3.365	
APCY5495TH	Capacity, kW	435.8	871.5	1307	1743	4.357
	Power, kW	99.51	191.2	314.3	528.5	
	COP, W/W	4.379	4.559	4.160	3.298	
APCY5520TH	Capacity, kW	458.6	917.2	1376	1834	4.374
	Power, kW	104.3	200.6	329.1	562.5	
	COP, W/W	4.397	4.573	4.181	3.26	

Table 31

IPLV Calculation - 60.hz (SI)

Model	IPLV Calculation					
	Dry Bulb*, °C	13.0	19.0	27.0	35.0	IPLV.SI W/W
	% Load	25%	50%	75%	100%	
APCY6095DH	Capacity, kW	81.85	163.7	245.5	327.4	4.163
	Power, kW	19.29	37.95	61.35	102.1	
	COP, W/W	4.242	4.313	4.002	3.234	
APCY6100DH	Capacity, kW	89.65	179.3	269.0	358.6	4.194
	Power, kW	20.92	41.21	66.90	110.1	
	COP, W/W	4.286	4.351	4.020	3.289	
APCY6110DH	Capacity, kW	94.69	189.4	284.1	378.8	4.219
	Power, kW	21.91	43.18	70.42	117.4	
	COP, W/W	4.321	4.386	4.034	3.261	
APCY6115DH	Capacity, kW	101.5	203.0	304.6	406.1	4.214
	Power, kW	23.21	45.83	76.95	124.9	
	COP, W/W	4.374	4.430	3.958	3.282	
APCY6125DH	Capacity, kW	111.3	222.6	333.9	445.2	4.250
	Power, kW	25.18	49.86	83.63	134.0	
	COP, W/W	4.421	4.465	3.993	3.353	
APCY6135DH	Capacity, kW	119.0	237.9	356.9	475.9	4.304
	Power, kW	26.58	52.49	88.47	148.7	
	COP, W/W	4.476	4.533	4.034	3.233	
APCY6145DH	Capacity, kW	127.4	254.7	382.1	509.4	4.349
	Power, kW	28.14	55.52	93.87	162.1	
	COP, W/W	4.526	4.588	4.070	3.177	
APCY6160DH	Capacity, kW	142.3	284.6	426.9	569.2	4.153
	Power, kW	35.05	65.15	107.6	169.6	
	COP, W/W	4.060	4.368	3.967	3.389	
APCY6170DH	Capacity, kW	147.4	294.8	442.2	589.6	4.221
	Power, kW	35.66	66.24	109.9	179.6	
	COP, W/W	4.133	4.450	4.023	3.315	
APCY6185DH	Capacity, kW	163.6	327.1	490.7	654.2	4.256
	Power, kW	39.46	72.60	121.4	199.6	
	COP, W/W	4.145	4.506	4.043	3.313	
APCY6195DH	Capacity, kW	171.3	342.7	514.0	685.3	4.304
	Power, kW	40.70	75.16	125.9	213.6	
	COP, W/W	4.210	4.559	4.084	3.246	
APCY6205DH	Capacity, kW	178.9	357.8	536.8	715.7	4.350
	Power, kW	41.89	77.64	130.2	228.0	
	COP, W/W	4.271	4.609	4.122	3.178	
APCY6220DH	Capacity, kW	192.3	384.7	577.0	769.3	4.273
	Power, kW	45.37	84.26	144.5	235.4	
	COP, W/W	4.239	4.565	3.993	3.303	
APCY6230DH	Capacity, kW	202.6	405.3	607.9	810.5	4.249
	Power, kW	48.10	89.58	152.4	253.0	
	COP, W/W	4.213	4.524	3.988	3.241	
APCY6240DH	Capacity, kW	209.9	419.8	629.6	839.5	4.250
	Power, kW	49.82	92.78	157.9	255.7	
	COP, W/W	4.213	4.524	3.988	3.322	

Model	IPLV Calculation					
	Dry Bulb*, °C	13.0	19.0	27.0	35.0	IPLV.SI W/W
	% Load	25%	50%	75%	100%	
APCY6260DH	Capacity, kW	227.6	455.1	682.7	910.3	4.188
	Power, kW	53.21	103.3	173.0	271.8	
	COP, W/W	4.277	4.407	3.947	3.386	
APCY6275DH	Capacity, kW	242.1	484.2	726.3	968.3	4.244
	Power, kW	55.83	108.3	181.7	297.4	
	COP, W/W	4.336	4.471	3.996	3.294	
APCY6300DH	Capacity, kW	266.1	532.3	798.4	1065	4.255
	Power, kW	64.85	117.8	197.8	317.0	
	COP, W/W	4.104	4.518	4.037	3.396	
APCY6320DH	Capacity, kW	282.1	564.2	846.2	1128	4.295
	Power, kW	67.91	123.7	207.8	344.8	
	COP, W/W	4.154	4.562	4.073	3.312	
APCY6340DH	Capacity, kW	300.7	601.5	902.2	1203	4.234
	Power, kW	71.58	135.0	224.1	362.3	
	COP, W/W	4.201	4.456	4.026	3.357	
APCY6360DH	Capacity, kW	316.0	632.1	948.1	1264	4.268
	Power, kW	74.45	140.6	234.0	390.1	
	COP, W/W	4.245	4.497	4.052	3.279	
APCY6385DH	Capacity, kW	338.7	677.4	1016	1355	4.198
	Power, kW	83.24	153.6	252.2	414.6	
	COP, W/W	4.069	4.409	4.029	3.305	
APCY6405DH	Capacity, kW	357.7	715.4	1073	1431	4.233
	Power, kW	87.16	161.1	263.7	450.1	
	COP, W/W	4.104	4.442	4.070	3.218	
APCY6410TH	Capacity, kW	360.8	721.6	1082	1443	4.195
	Power, kW	87.17	163.4	270.9	439.7	
	COP, W/W	4.139	4.415	3.996	3.318	
APCY6425TH	Capacity, kW	375.5	751.1	1127	1502	4.225
	Power, kW	89.97	168.9	280.0	466.8	
	COP, W/W	4.174	4.448	4.023	3.255	
APCY6445TH	Capacity, kW	392.8	785.5	1178	1571	4.209
	Power, kW	93.36	179.3	291.0	483.9	
	COP, W/W	4.207	4.380	4.049	3.282	
APCY6465TH	Capacity, kW	406.9	813.8	1221	1628	4.237
	Power, kW	95.99	184.4	299.7	510.8	
	COP, W/W	4.239	4.412	4.073	3.223	
APCY6480TH	Capacity, kW	420.6	841.1	1262	1682	4.260
	Power, kW	98.54	189.4	308.5	538.4	
	COP, W/W	4.268	4.442	4.090	3.162	
APCY6495TH	Capacity, kW	433.8	867.6	1301	1735	4.284
	Power, kW	101.0	194.1	316.8	566.6	
	COP, W/W	4.295	4.471	4.108	3.100	
APCY6510TH	Capacity, kW	446.6	893.3	1340	1787	4.304
	Power, kW	103.4	198.6	325.1	595.4	
	COP, W/W	4.321	4.497	4.122	3.039	

Table 32



Capacity Correction & Limits

Evaporator Chiller Limits of Operation

Maximum LCWT	:	50°F (10°C)
Maximum ECWT	:	76°F (24.4°C)*
Minimum LCWT	:	40°F (4.4°C)

For Lower LCWT ethylene glycol solution to be used, consult SKM.
(*For short periods.)

Range & Flow Limits

Range limit 6.00°F - 16.20°F (3.33°C - 9.00°C) except where limited by water flow rate limits for evaporator. For minimum & maximum water flow rate refer to page 39.

Working & Test Pressures

Evaporator Pressure		Refrigerant	Water
Maximum Working Pressure	psig	239.3	145
	kPa	1650	1000
Test Pressure	psig	334.3	207.4
	kPa	2305	1430

Table 33

Condenser Pressure		Refrigerant
Maximum Working Pressure	psig	350
	kPa	2413
Test Pressure	psig	525
	kPa	3620

Table 34

Cooler Fouling Factors

The units are rated at 0.000100 h ft²°F/Btu (0.0176m² K/kW). Other than this fouling factor use SKM Air Cooled Chiller Selection Software to determine the unit performance.

An increase in the fouling factor, results in decrease in the unit capacity and efficiency.

Altitude Correction Factor

The units ratings are based on sea level. Above sea level apply the following correction factors:

Altitude		Capacity Multiplier	Power Multiplier
Feet	Meters		
0.000	0.000	1	1
2000	610	0.99	1.01
4000	1219	0.98	1.02
6000	1829	0.97	1.03
8000	2438	0.96	1.04
10000	3048	0.95	1.05

Table 35

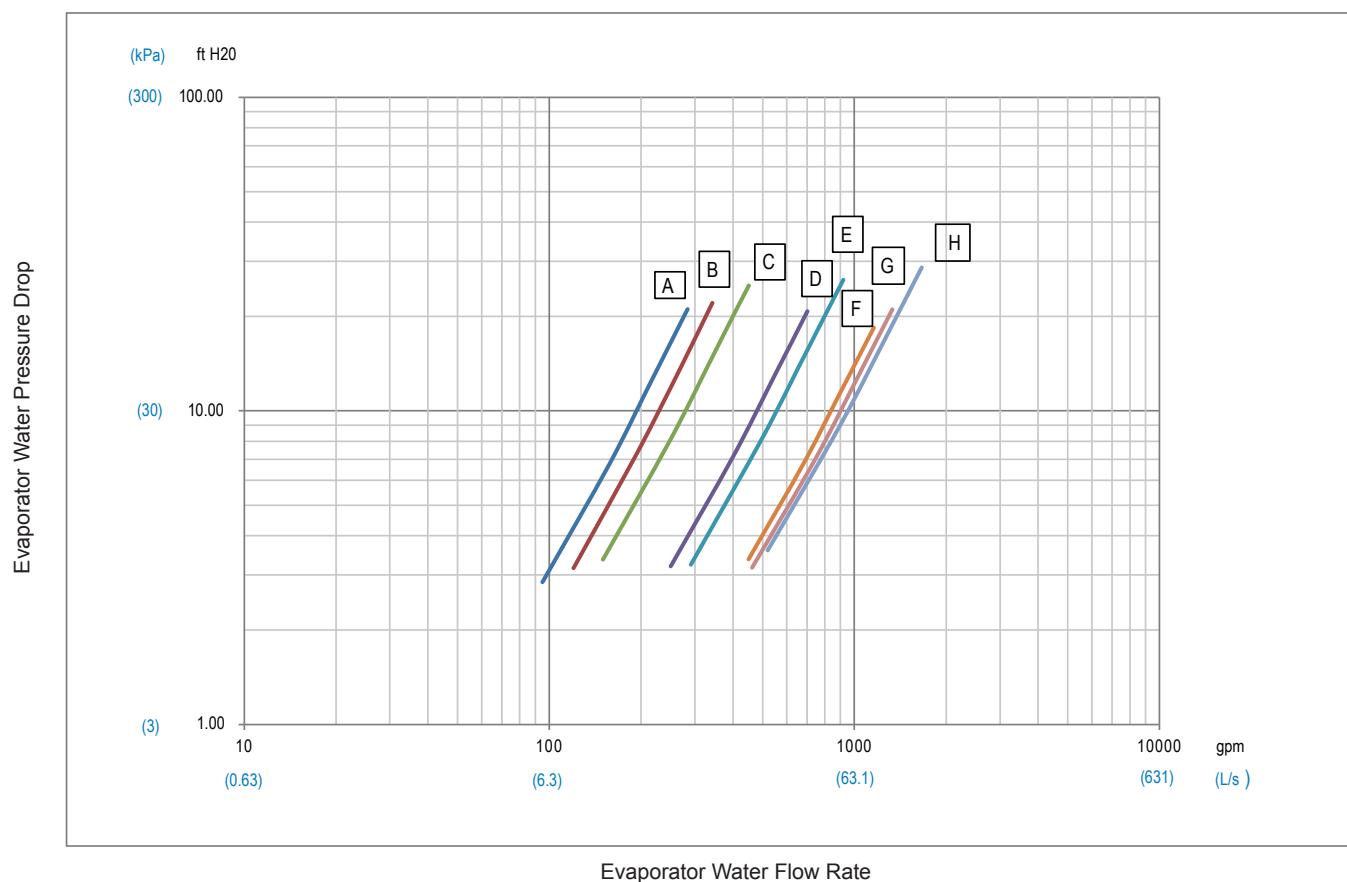
Range Correction Factors

Capacity ratings based on 10°F (IP) and 5°C (SI) chilled water range. For other than this range please use correction factor below.

Range		Capacity Multiplier	Power Multiplier
°F (IP)	°C (SI)		
8.00	3.90	0.995	0.998
10.00	5.00	1	1
12.00	6.10	1.005	1.002
14.00	7.20	1.01	1.004
16.00	8.30	1.015	1.006

Table 36

Evaporator Water Pressure Drop



Evaporator Water Pressure Drop

Graph	Models	Water Flow Rate			
		Minimum		Maximum	
		gpm	L/s	gpm	L/s
A	APCY5080DH, APCY5085DH, APCY5090DH, APCY5095DH, APCY6095DH	95.00	5.990	284.0	17.92
B	APCY5105DH, APCY5115DH, APCY6100DH, APCY6110DH, APCY6115DH	120.0	7.570	342.0	21.58
C	APCY5125DH, APCY5130DH, APCY5140DH, APCY6125DH, APCY6135DH, APCY6145DH	150.0	9.460	451.0	28.45
D	APCY5155DH, APCY5165DH, APCY5175DH, APCY5185DH, APCY5195DH, APCY5210DH, APCY6160DH, APCY6170DH, APCY6185DH, APCY6195DH, APCY6205DH, APCY6220DH, APCY6230DH	250.0	15.77	701.0	44.23
E	APCY5230DH, APCY5250DH, APCY5265DH, APCY6240DH, APCY6260DH, APCY6275DH	291.0	18.36	919.0	57.98
F	APCY5285DH, APCY5300DH, APCY5325DH, APCY5345DH, APCY6300DH, APCY6320DH, APCY6340DH, APCY6360DH, APCY6385DH, APCY6405DH	450.0	28.39	1157	73.00
G	APCY5365TH, APCY5380TH, APCY5395TH, APCY5410TH, APCY5425TH, APCY6410TH, APCY6425TH, APCY6445TH, APCY6465TH, APCY6480TH, APCY6495TH, APCY6510TH	462.0	29.15	1332	84.04
H	APCY5455TH, APCY5475TH, APCY5495TH	520.0	32.81	1663	104.9
	APCY5520TH	640.0	40.38	1663	104.9

Table 37



Selection Procedure

SKM Chillers should be selected with specific Design Considerations, requirements and parameters of the intended application. Care and good engineering should lead to an efficient and cost effective selection. Sample procedures are shown below:

Example 1: (IP System)

Select an Air Cooled Package Chiller giving a capacity of 150.0 tonR to cool water from 54°F to 44°F at 2000 ft. altitude, 0.000100 fouling factor, power supply 415V/3Ph/50.Hz an 115°F ambient Temperature.

Selection:

Apply the following factors to convert the required capacity to tabulated capacity ratings.

	Capacity Multiplier
Altitude	0.99
Tabulated rated capacity	$= \frac{150.0}{0.99}$
	$= 151.5 \text{ tonR}$

Refer to capacity rating 50.Hz under 115°F condenser entering air temperature and select a chiller giving a capacity nearest larger to 151.5 at 44°F LCWT. Select model APCY5165DH giving a capacity of 153.2 tonR.

Apply correction factors to the selected unit to find actual capacity.

$$\begin{aligned} \text{Capacity} &= 153.2 \times 0.99 \\ &= 151.7 \text{ tonR} \end{aligned}$$

Calculation of Water Flow Rate (WFR)

To calculate the water flow rate to be circulated, use the following:

$$\begin{aligned} \text{WFR (US gpm)} &= \frac{\text{C.CAP (tonR)} \times 24}{\text{Range (°F)}} \\ &= \frac{151.7 \times 24}{10} = 364.1 \text{ gpm} \end{aligned}$$

Example 2: (SI System)

Select an Air Cooled Package Chiller giving a capacity of 630 .0kW of refrigeration to cool water from 12°C to 7°C at 610M altitude, 0.0176 fouling factor, power supply 380V/3Ph/60.Hz and 38°C ambient Temperature.

Selection:

Apply the following factors to convert the required capacity to tabulated capacity ratings.

	Capacity Multiplier
Altitude	0.99
Tabulated rated capacity	$= \frac{630.0}{0.99}$
	$= 636.4 \text{ kW}$

Refer to capacity rating 60.Hz under 38°C condenser entering air temperature and select a chiller giving a capacity nearest larger to 636.4 at 7°C LCWT. Select model APCY6185DH giving a capacity of 643.8kW.

Apply correction factors to the selected unit to find actual capacity and P I.

$$\begin{aligned} \text{Capacity} &= 643.8 \times 0.99 \\ &= 637.4 \text{ kW} \end{aligned}$$

Calculation of Water Flow Rate (WFR)

To calculate the water flow rate to be circulated, use the following:

$$\begin{aligned} \text{WFR (L/s)} &= \frac{\text{C.CAP (kW)} \times 0.239}{\text{Range (°C)}} \\ &= \frac{637.4 \times 0.239}{5} = 30.5 \text{ L/s} \end{aligned}$$

For more details refer to other specifications and dimensional drawings for the selected model.

Electrical Data

Power Supply 380V / 3Ph / 50.Hz

MODEL	Unit Characteristic					Compressor			Condenser Fan Motor		
	Wire Sizing Current	Maximum Instantaneous Current	Running Current at T1 Condition	Running Current at T3 Condition	Maximum Running Current	Quantity	Maximum Running Current	Starting Current	Quantity	Full Load Current	Starting Current
APCY5080DH	261	308	148	181	235	2	107	173	6	3.3	11.0
APCY5085DH	284	342	157	195	253	1 + 1	125 + 107	207 + 173	6	3.3	11.0
APCY5090DH	302	360	167	210	271	2	125	207	6	3.3	11.0
APCY5095DH	326	408	181	227	290	1 + 1	144 + 125	255 + 207	6	3.3	11.0
APCY5105DH	351	434	190	236	315	2	144	255	8	3.3	11.0
APCY5115DH	380	479	212	259	338	1 + 1	167 + 144	300 + 255	8	3.3	11.0
APCY5125DH	403	502	236	282	361	2	167	300	8	3.3	11.0
APCY5130DH	421	522	247	297	376	1 + 1	182 + 167	320 + 300	8	3.3	11.0
APCY5140DH	443	543	252	304	397	2	182	320	10	3.3	11.0
APCY5155DH	475	610	279	344	426	2	196	373	10	3.3	11.0
APCY5165DH	517	635	297	368	460	1 + 1	230 + 196	398 + 373	10	3.3	11.0
APCY5175DH	551	669	315	392	494	2	230	398	10	3.3	11.0
APCY5185DH	586	718	341	426	521	1 + 1	258 + 230	447 + 398	10	3.3	11.0
APCY5195DH	620	752	355	442	555	2	258	447	12	3.3	11.0
APCY5210DH	663	788	388	482	590	1 + 1	292 + 258	483 + 447	12	3.3	11.0
APCY5230DH	698	823	426	528	625	2	292	483	12	3.3	11.0
APCY5250DH	758	897	445	553	674	1 + 1	335 + 292	550 + 483	14	3.3	11.0
APCY5265DH	800	939	477	597	716	2	335	550	14	3.3	11.0
APCY5285DH	866	954	511	632	770	1 + 1	382 + 335	558 + 550	16	3.3	11.0
APCY5300DH	913	1001	556	684	818	2	382	558	16	3.3	11.0
APCY5325DH	966	1113	580	713	861	1 + 1	419 + 382	663 + 558	18	3.3	11.0
APCY5345DH	1002	1149	617	756	898	2	419	663	18	3.3	11.0
APCY5365TH	1070	1209	656	816	986	1 + 2	335 + 292	550 + 483	20	3.3	11.0
APCY5380TH	1112	1251	689	859	1029	2 + 1	335 + 292	550 + 483	20	3.3	11.0
APCY5395TH	1162	1301	708	882	1078	3	335	550	22	3.3	11.0
APCY5410TH	1221	1309	752	935	1125	1 + 2	382 + 335	558 + 550	22	3.3	11.0
APCY5425TH	1275	1363	783	939	1179	2 + 1	382 + 335	558 + 550	24	3.3	11.0
APCY5455TH	1322	1410	833	1025	1227	3	382	558	24	3.3	11.0
APCY5475TH	1368	1515	856	1053	1263	1 + 2	419 + 382	663 + 558	24	3.3	11.0
APCY5495TH	1405	1552	893	1098	1300	2 + 1	419 + 382	663 + 558	24	3.3	11.0
APCY5520TH	1441	1588	935	1149	1336	3	419	663	24	3.3	11.0

Table 38

Notes:

1. Above data is subjected to change without further notice. Refer Unit nameplate for the Actual data.
2. Circuit breaker and Cable should be selected based on Unit Maximum Running Current.
3. T1 condition Running Current refers to the following condition: Ambient: 95°F, Entering Water: 54°F, Leaving Water: 44°F
4. T3 Condition Running Current refers to the following condition: Ambient: 115°F, Entering Water: 54°F, Leaving Water: 44°F
5. Wire sizing current refers to 125% of Biggest compressor Maximum Running Current + Maximum Running Current of all other compressors + full load current of all the condenser fans.



Electrical Data

Power Supply 400V / 3Ph / 50.Hz

MODEL	Unit Characteristic					Compressor			Condenser Fan Motor		
	Wire Sizing Current	Maximum Instantaneous Current	Running Current at T1 Condition	Running Current at T3 Condition	Maximum Running Current	Quantity	Maximum Running Current	Starting Current	Quantity	Full Load Current	Starting Current
APCY5080DH	249	312	141	173	224	2	102	182	6	3.3	11.0
APCY5085DH	271	348	151	186	241	1 + 1	119 + 102	218 + 182	6	3.3	11.0
APCY5090DH	288	365	160	201	258	2	119	218	6	3.3	11.0
APCY5095DH	311	415	173	216	276	1 + 1	137 + 119	268 + 218	6	3.3	11.0
APCY5105DH	335	440	182	226	301	2	137	268	8	3.3	11.0
APCY5115DH	367	489	205	250	326	1 + 1	162 + 137	317 + 268	8	3.3	11.0
APCY5125DH	392	514	230	275	351	2	162	317	8	3.3	11.0
APCY5130DH	410	534	241	289	366	1 + 1	177 + 162	337 + 317	8	3.3	11.0
APCY5140DH	431	555	246	296	387	2	177	337	10	3.3	11.0
APCY5155DH	462	625	272	335	414	2	191	393	10	3.3	11.0
APCY5165DH	497	652	287	355	443	1 + 1	219 + 191	420 + 393	10	3.3	11.0
APCY5175DH	526	680	301	375	471	2	219	420	10	3.3	11.0
APCY5185DH	565	730	329	411	503	1 + 1	250 + 219	470 + 420	10	3.3	11.0
APCY5195DH	603	768	346	430	541	2	250	470	12	3.3	11.0
APCY5210DH	645	806	378	469	574	1 + 1	284 + 250	508 + 470	12	3.3	11.0
APCY5230DH	679	840	415	515	608	2	284	508	12	3.3	11.0
APCY5250DH	738	916	434	539	656	1 + 1	326 + 284	578 + 508	14	3.3	11.0
APCY5265DH	779	958	465	581	698	2	326	578	14	3.3	11.0
APCY5285DH	843	974	498	616	750	1 + 1	372 + 326	588 + 578	16	3.3	11.0
APCY5300DH	889	1021	542	667	796	2	372	588	16	3.3	11.0
APCY5325DH	940	1137	565	694	838	1 + 1	407 + 372	698 + 588	18	3.3	11.0
APCY5345DH	976	1173	602	737	874	2	407	698	18	3.3	11.0
APCY5365TH	1041	1220	639	795	960	1 + 2	326 + 284	578 + 508	20	3.3	11.0
APCY5380TH	1083	1262	671	837	1001	2 + 1	326 + 284	578 + 508	20	3.3	11.0
APCY5395TH	1131	1310	690	859	1050	3	326	578	22	3.3	11.0
APCY5410TH	1189	1320	733	910	1096	1 + 2	372 + 326	588 + 578	22	3.3	11.0
APCY5425TH	1241	1372	763	912	1148	2 + 1	372 + 326	588 + 578	24	3.3	11.0
APCY5455TH	1287	1419	812	999	1194	3	372	588	24	3.3	11.0
APCY5475TH	1332	1529	834	1026	1230	1 + 2	407 + 372	698 + 588	24	3.3	11.0
APCY5495TH	1367	1564	870	1070	1265	2 + 1	407 + 372	698 + 588	24	3.3	11.0
APCY5520TH	1402	1599	911	1119	1301	3	407	698	24	3.3	11.0

Table 39

Notes:

- Above data is subjected to change without further notice. Refer Unit nameplate for the Actual data.
- Circuit breaker and Cable should be selected based on Unit Maximum Running Current.
- T1 condition Running Current refers to the following condition: Ambient: 95°F, Entering Water: 54°F, Leaving Water: 44°F
- T3 Condition Running Current refers to the following condition: Ambient: 115°F, Entering Water: 54°F, Leaving Water: 44°F
- Wire sizing current refers to 125% of Biggest compressor Maximum Running Current + Maximum Running Current of all other compressors + full load current of all the condenser fans.

Electrical Data

Power Supply 415V / 3Ph / 50.Hz

MODEL	Unit Characteristic					Compressor			Condenser Fan Motor		
	Wire Sizing Current	Maximum Instantaneous Current	Running Current at T1 Condition	Running Current at T3 Condition	Maximum Running Current	Quantity	Maximum Running Current	Starting Current	Quantity	Full Load Current	Starting Current
APCY5080DH	241	293	137	168	216	2	98	167	6	3.3	11.0
APCY5085DH	262	318	146	180	233	1 + 1	115 + 98	192 + 167	6	3.3	11.0
APCY5090DH	278	335	155	194	250	2	115	192	6	3.3	11.0
APCY5095DH	300	388	167	209	267	1 + 1	132 + 115	245 + 192	6	3.3	11.0
APCY5105DH	324	412	176	219	291	2	132	245	8	3.3	11.0
APCY5115DH	350	442	196	239	312	1 + 1	153 + 132	275 + 245	8	3.3	11.0
APCY5125DH	371	463	218	261	333	2	153	275	8	3.3	11.0
APCY5130DH	388	481	229	274	346	1 + 1	167 + 153	293 + 275	8	3.3	11.0
APCY5140DH	408	501	234	281	367	2	167	293	10	3.3	11.0
APCY5155DH	438	544	258	318	393	2	180	323	10	3.3	11.0
APCY5165DH	477	611	275	340	424	1 + 1	211 + 180	390 + 323	10	3.3	11.0
APCY5175DH	508	642	292	362	455	2	211	390	10	3.3	11.0
APCY5185DH	539	684	315	393	480	1 + 1	236 + 211	432 + 390	10	3.3	11.0
APCY5195DH	571	716	329	408	512	2	236	432	12	3.3	11.0
APCY5210DH	611	734	359	445	544	1 + 1	268 + 236	450 + 432	12	3.3	11.0
APCY5230DH	642	765	394	487	575	2	268	450	12	3.3	11.0
APCY5250DH	698	824	411	511	621	1 + 1	307 + 268	502 + 450	14	3.3	11.0
APCY5265DH	737	863	441	550	660	2	307	502	14	3.3	11.0
APCY5285DH	797	873	473	584	710	1 + 1	350 + 307	505 + 502	16	3.3	11.0
APCY5300DH	841	916	513	631	753	2	350	505	16	3.3	11.0
APCY5325DH	889	1041	536	657	793	1 + 1	384 + 350	623 + 505	18	3.3	11.0
APCY5345DH	923	1074	570	698	827	2	384	623	18	3.3	11.0
APCY5365TH	985	1111	606	753	908	1 + 2	307 + 268	502 + 450	20	3.3	11.0
APCY5380TH	1024	1150	636	793	947	2 + 1	307 + 268	502 + 450	20	3.3	11.0
APCY5395TH	1070	1196	654	814	993	3	307	502	22	3.3	11.0
APCY5410TH	1124	1199	694	862	1036	1 + 2	350 + 307	505 + 502	22	3.3	11.0
APCY5425TH	1174	1249	723	893	1086	2 + 1	350 + 307	505 + 502	24	3.3	11.0
APCY5455TH	1217	1292	769	945	1130	3	350	505	24	3.3	11.0
APCY5475TH	1259	1410	790	971	1163	1 + 2	384 + 350	623 + 505	24	3.3	11.0
APCY5495TH	1293	1444	824	1012	1197	2 + 1	384 + 350	623 + 505	24	3.3	11.0
APCY5520TH	1326	1477	863	1059	1230	3	384	623	24	3.3	11.0

Table 40

Notes:

1. Above data is subjected to change without further notice. Refer Unit nameplate for the Actual data.
2. Circuit breaker and Cable should be selected based on Unit Maximum Running Current.
3. T1 condition Running Current refers to the following condition: Ambient: 95°F, Entering Water: 54°F, Leaving Water: 44°F
4. T3 Condition Running Current refers to the following condition: Ambient: 115°F, Entering Water: 54°F, Leaving Water: 44°F
5. Wire sizing current refers to 125% of Biggest compressor Maximum Running Current + Maximum Running Current of all other compressors + full load current of all the condenser fans.



Electrical Data

Power Supply 380~400V / 3Ph / 60.Hz

MODEL	Unit Characteristic					Compressor			Condenser Fan Motor		
	Wire Sizing Current	Maximum Instantaneous Current	Running Current at T1 Condition	Running Current at T3 Condition	Maximum Running Current	Quantity	Maximum Running Current	Starting Current	Quantity	Full Load Current	Starting Current
APCY6095DH	309	363	176	216	277	2	128	208	6	3.6	9.5
APCY6100DH	336	407	190	234	298	1 + 1	149 + 128	252 + 208	6	3.6	9.5
APCY6110DH	357	429	202	253	320	2	149	252	6	3.6	9.5
APCY6115DH	389	488	215	267	346	1 + 1	172 + 149	308 + 252	7	3.6	9.5
APCY6125DH	416	515	229	285	373	2	172	308	8	3.6	9.5
APCY6135DH	446	555	255	310	397	1 + 1	196 + 172	348 + 308	8	3.6	9.5
APCY6145DH	470	579	279	333	421	2	196	348	8	3.6	9.5
APCY6160DH	503	616	288	346	449	1 + 1	217 + 196	378 + 348	10	3.6	9.5
APCY6170DH	524	637	302	364	470	2	217	378	10	3.6	9.5
APCY6185DH	572	738	334	415	513	2	238	458	10	3.6	9.5
APCY6195DH	621	778	359	447	551	1 + 1	277 + 238	498 + 458	10	3.6	9.5
APCY6205DH	660	817	385	481	590	2	277	498	10	3.6	9.5
APCY6220DH	711	878	401	501	633	1 + 1	313 + 277	552 + 498	12	3.6	9.5
APCY6230DH	747	914	430	539	669	2	313	552	12	3.6	9.5
APCY6240DH	747	914	434	545	669	2	313	552	12	3.6	9.5
APCY6260DH	802	969	462	575	714	1 + 1	351 + 313	600 + 552	14	3.6	9.5
APCY6275DH	840	1007	503	621	752	2	351	600	14	3.6	9.5
APCY6300DH	912	1037	530	660	811	1 + 1	403 + 351	622 + 600	16	3.6	9.5
APCY6320DH	964	1088	568	711	863	2	403	622	16	3.6	9.5
APCY6340DH	1029	1149	604	754	916	1 + 1	449 + 403	675 + 622	18	3.6	9.5
APCY6360DH	1075	1195	654	816	962	2	449	675	18	3.6	9.5
APCY6385DH	1158	1297	685	848	1031	1 + 1	510 + 449	770 + 675	20	3.6	9.5
APCY6405DH	1219	1358	730	898	1091	2	510	770	20	3.6	9.5
APCY6410TH	1219	1387	746	923	1131	3	351	600	22	3.6	9.5
APCY6425TH	1284	1409	783	973	1183	1 + 2	403 + 351	622 + 600	22	3.6	9.5
APCY6445TH	1343	1468	806	1006	1242	2 + 1	403 + 351	622 + 600	24	3.6	9.5
APCY6465TH	1395	1520	843	1057	1294	3	403	622	24	3.6	9.5
APCY6480TH	1453	1573	893	1121	1340	1 + 2	449 + 403	675 + 622	24	3.6	9.5
APCY6495TH	1499	1619	943	1185	1387	2 + 1	449 + 403	675 + 622	24	3.6	9.5
APCY6510TH	1545	1665	993	1251	1433	3	449	675	24	3.6	9.5

Table 41

Notes:

- Above data is subjected to change without further notice. Refer Unit nameplate for the Actual data.
- Circuit breaker and Cable should be selected based on Unit Maximum Running Current.
- T1 condition Running Current refers to the following condition: Ambient: 95°F, Entering Water: 54°F, Leaving Water: 44°F
- T3 Condition Running Current refers to the following condition: Ambient: 115°F, Entering Water: 54°F, Leaving Water: 44°F
- Wire sizing current refers to 125% of Biggest compressor Maximum Running Current + Maximum Running Current of all other compressors + full load current of all the condenser fans.

Electrical Data

Power Supply 460V / 3Ph / 60.Hz

MODEL	Unit Characteristic					Compressor			Condenser Fan Motor		
	Wire Sizing Current	Maximum Instantaneous Current	Running Current at T1 Condition	Running Current at T3 Condition	Maximum Running Current	Quantity	Maximum Running Current	Starting Current	Quantity	Full Load Current	Starting Current
APCY6095DH	262	319	153	185	236	2	105	182	6	4.1	11.0
APCY6100DH	284	355	164	201	253	1 + 1	123 + 105	218 + 182	6	4.1	11.0
APCY6110DH	302	373	174	216	271	2	123	218	6	4.1	11.0
APCY6115DH	329	427	185	229	294	1 + 1	142 + 123	268 + 218	7	4.1	11.0
APCY6125DH	352	450	198	244	317	2	142	268	8	4.1	11.0
APCY6135DH	377	499	220	265	337	1 + 1	162 + 142	317 + 268	8	4.1	11.0
APCY6145DH	397	519	239	284	357	2	162	317	8	4.1	11.0
APCY6160DH	427	547	250	297	382	1 + 1	179 + 162	337 + 317	10	4.1	11.0
APCY6170DH	444	564	261	312	399	2	179	337	10	4.1	11.0
APCY6185DH	484	638	288	354	435	2	197	393	10	4.1	11.0
APCY6195DH	524	665	308	381	467	1 + 1	229 + 197	420 + 393	10	4.1	11.0
APCY6205DH	556	697	329	409	499	2	229	420	10	4.1	11.0
APCY6220DH	601	755	345	427	537	1 + 1	258 + 229	470 + 420	12	4.1	11.0
APCY6230DH	630	785	369	459	566	2	258	470	12	4.1	11.0
APCY6240DH	630	785	372	464	566	2	258	470	12	4.1	11.0
APCY6260DH	678	831	397	491	606	1 + 1	290 + 258	508 + 470	14	4.1	11.0
APCY6275DH	709	862	432	529	637	2	290	508	14	4.1	11.0
APCY6300DH	771	941	456	563	688	1 + 1	333 + 290	578 + 508	16	4.1	11.0
APCY6320DH	814	983	487	606	731	2	333	578	16	4.1	11.0
APCY6340DH	870	1002	519	644	777	1 + 1	371 + 333	588 + 578	18	4.1	11.0
APCY6360DH	908	1040	560	694	815	2	371	588	18	4.1	11.0
APCY6385DH	979	1158	589	723	874	1 + 1	421 + 371	698 + 588	20	4.1	11.0
APCY6405DH	1030	1208	626	765	924	2	421	698	20	4.1	11.0
APCY6410TH	1032	1185	641	788	959	3	290	508	22	4.1	11.0
APCY6425TH	1086	1255	672	828	1002	1 + 2	333 + 290	578 + 508	22	4.1	11.0
APCY6445TH	1137	1306	693	859	1053	2 + 1	333 + 290	578 + 508	24	4.1	11.0
APCY6465TH	1180	1349	723	900	1096	3	333	578	24	4.1	11.0
APCY6480TH	1227	1359	764	953	1134	1 + 2	371 + 333	588 + 578	24	4.1	11.0
APCY6495TH	1265	1397	806	1006	1173	2 + 1	371 + 333	588 + 578	24	4.1	11.0
APCY6510TH	1303	1435	847	1061	1211	3	371	588	24	4.1	11.0

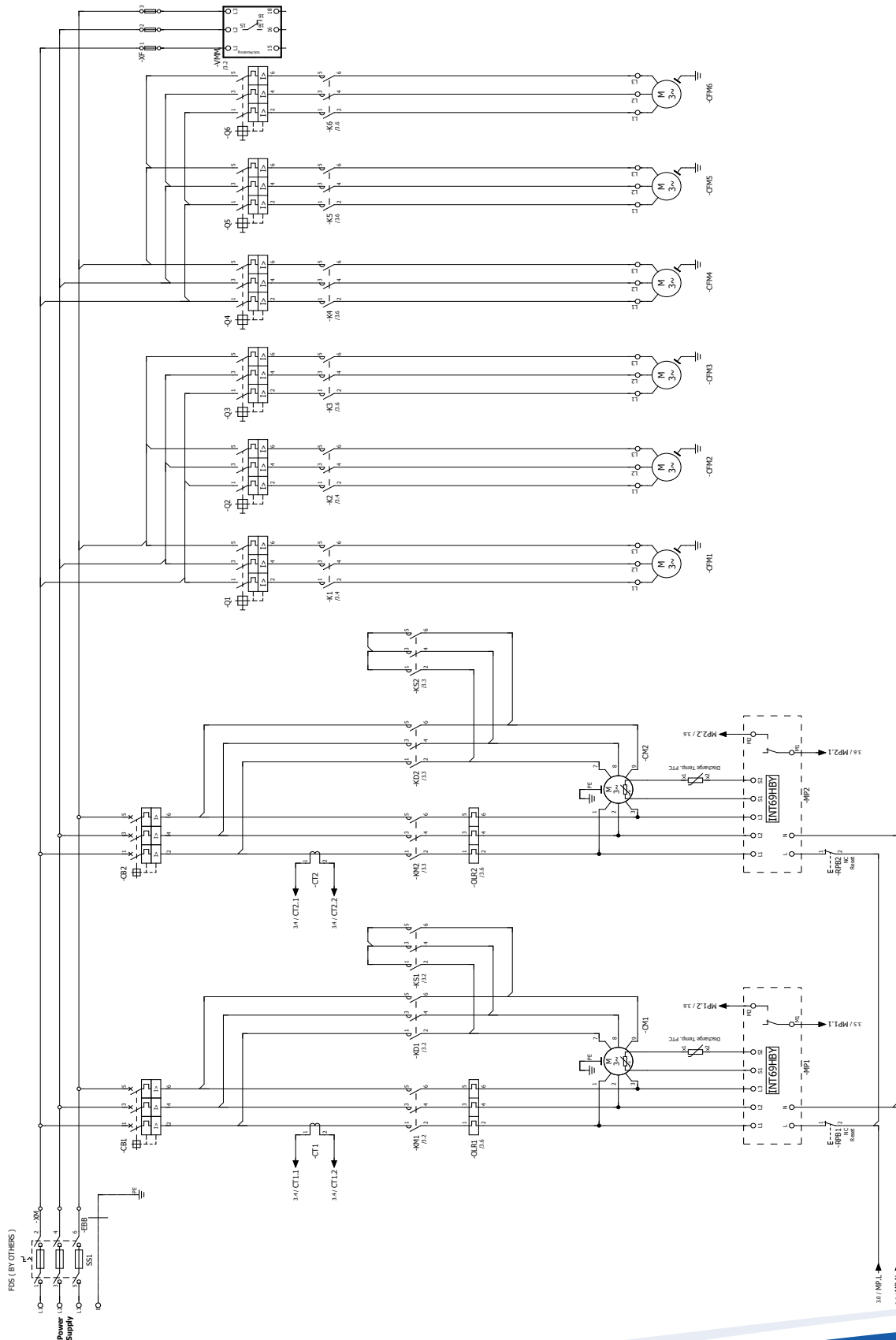
Table 42

Notes:

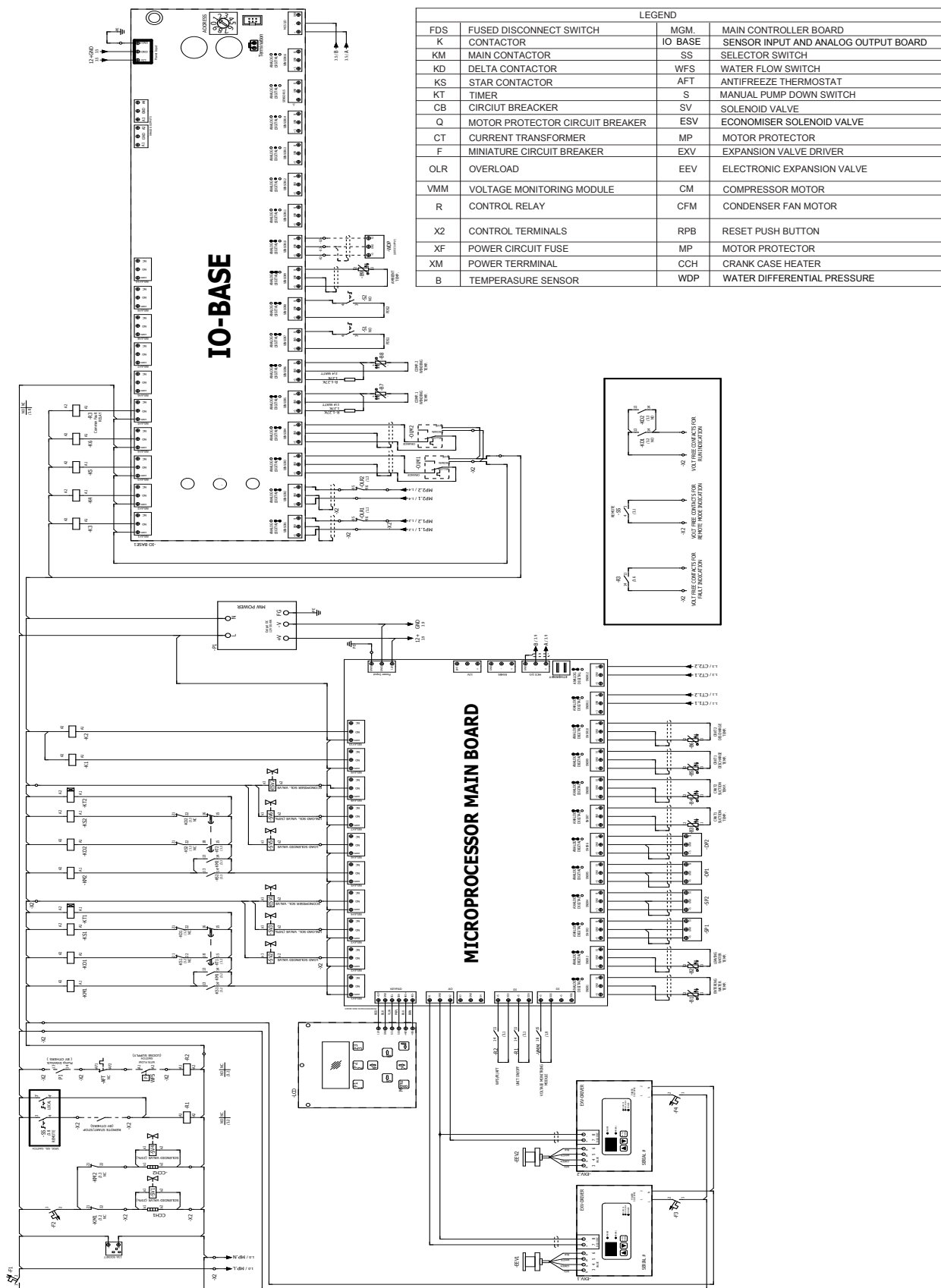
1. Above data is subjected to change without further notice. Refer Unit nameplate for the Actual data.
2. Circuit breaker and Cable should be selected based on Unit Maximum Running Current.
3. T1 condition Running Current refers to the following condition: Ambient: 95°F, Entering Water: 54°F, Leaving Water: 44°F
4. T3 Condition Running Current refers to the following condition: Ambient: 115°F, Entering Water: 54°F, Leaving Water: 44°F
5. Wire sizing current refers to 125% of Biggest compressor Maximum Running Current + Maximum Running Current of all other compressors + full load current of all the condenser fans.



Typical Wiring Diagram



Typical Wiring Diagram

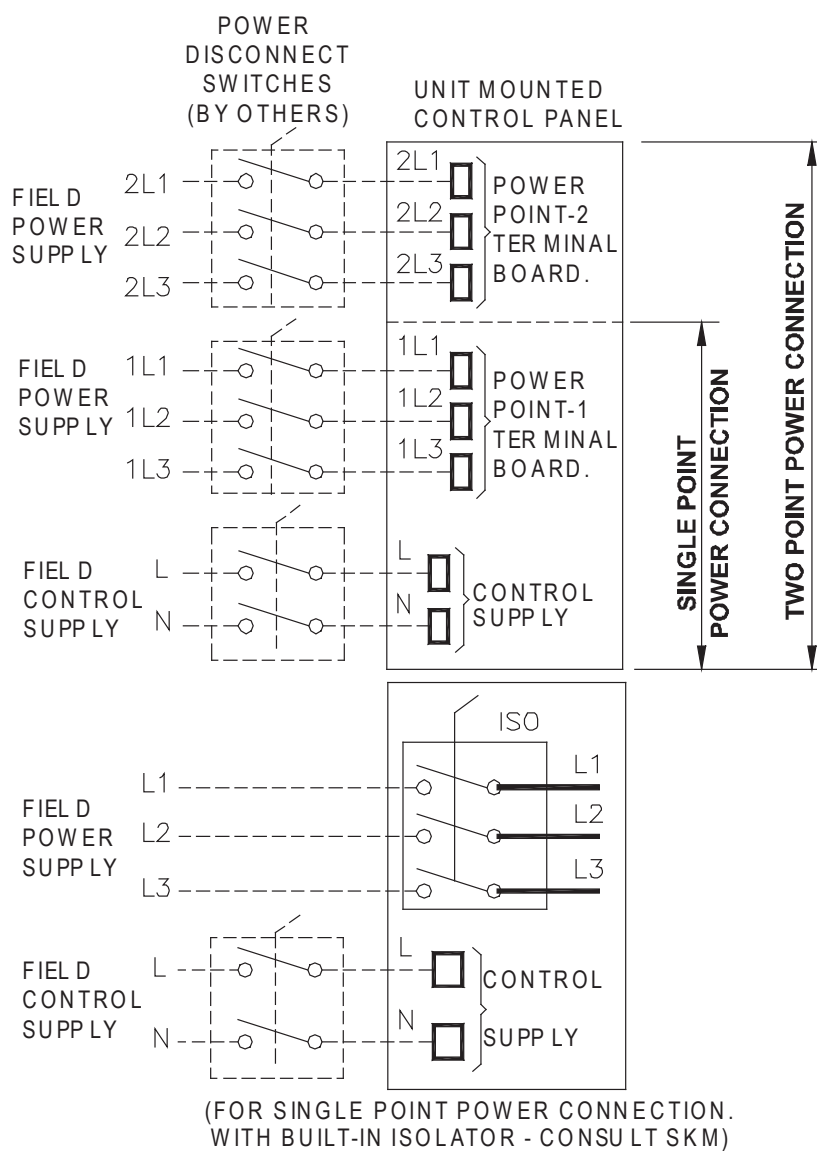




Power Entry Connections

Power Supply	Models	No. of Entry Points	
		STANDARD	OPTION
380~400V / 3Ph / 50. Hz	APCY5080DH ~ APCY5380TH	ONE	-
	APCY5395TH ~ APCY5520TH		TWO
415V / 3Ph / 50. Hz	APCY5080DH ~ APCY5410TH	ONE	-
	APCY5425TH ~ APCY5520TH		TWO
380~400V / 3Ph / 60. Hz	APCY6095DH ~ APCY6360DH	ONE	-
	APCY6385DH ~ APCY6510TH		TWO
460V / 3Ph / 60. Hz	APCY6095DH ~ APCY6445TH	ONE	-
	APCY6465TH ~ APCY6510TH		TWO

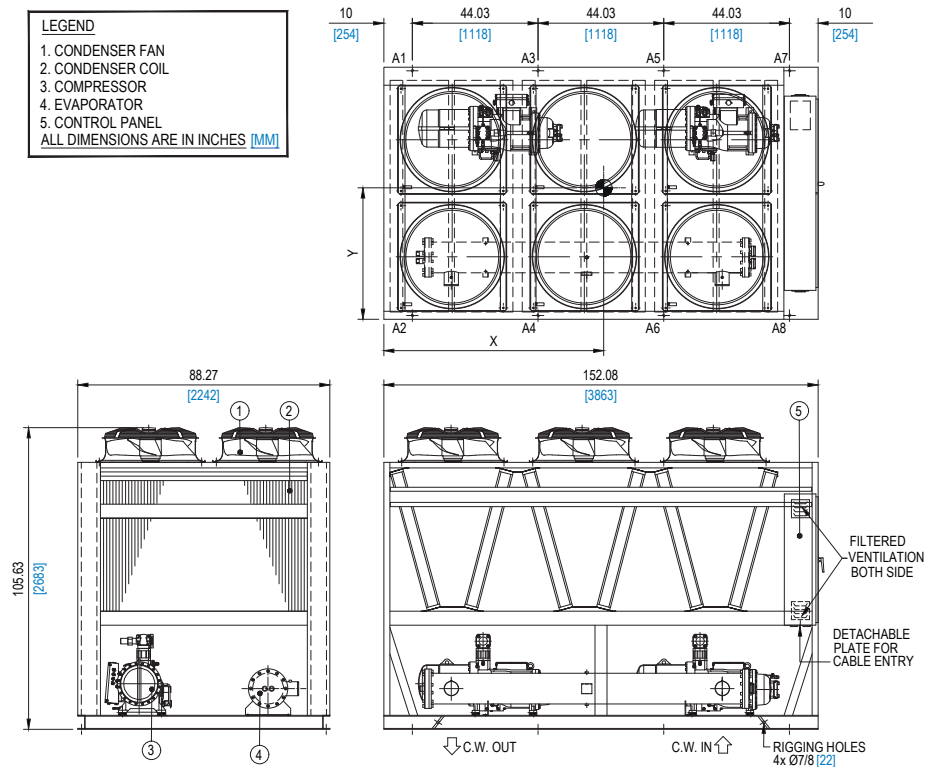
Table 43



Dimensional Data

APCY Models - 5080DH, 5085DH, 5090DH, 5095DH
6095DH, 6100DH, 6110DH

LEGEND	
1.	CONDENSER FAN
2.	CONDENSER COIL
3.	COMPRESSOR
4.	EVAPORATOR
5.	CONTROL PANEL
ALL DIMENSIONS ARE IN INCHES [MM]	



MODEL APCY	CONDENSER COIL TYPE	LOAD AT EACH POINT [LBS]								OPERATING WEIGHT	SHIPPING WEIGHT	CENTER OF GRAVITY 		C.W. IN/OUT
		A1	A2	A3	A4	A5	A6	A7	A8			ALUMINIUM FINS (Standard)	Y-AXIS	
APCY5080DH	ALUMINIUM FINS (Standard)	818	819	1268	1098	1169	1119	958	811	8059	7805	76.90	46.10	5" [DN 125]
	COPPER FINS (FC Option)	970	972	1477	1308	1378	1329	1050	903	9387	9132			
	MICROCHANNEL (MCHE Option)	692	692	1102	930	1002	952	874	726	6970	6715			
APCY5085DH	ALUMINIUM FINS (Standard)	818	819	1268	1098	1224	1139	1005	828	8198	7944	77.60	46.42	
	COPPER FINS (FC Option)	970	972	1477	1308	1433	1349	1097	920	9526	9271			
	MICROCHANNEL (MCHE Option)	692	692	1102	930	1058	972	921	743	7109	6854			
APCY5090DH	ALUMINIUM FINS (Standard)	845	829	1343	1125	1224	1139	1005	828	8337	8083	77.00	46.72	
	COPPER FINS (FC Option)	997	981	1552	1335	1433	1349	1097	920	9665	9410			
	MICROCHANNEL (MCHE Option)	719	701	1177	957	1058	972	921	743	7248	6993			
APCY5095DH	ALUMINIUM FINS (Standard)	845	829	1343	1125	1261	1152	1036	839	8430	8175	77.50	46.92	
	COPPER FINS (FC Option)	997	981	1552	1335	1470	1362	1128	931	9757	9502			
	MICROCHANNEL (MCHE Option)	719	701	1177	957	1095	985	952	754	7340	7086			
APCY6095DH	ALUMINIUM FINS (Standard)	818	819	1268	1098	1169	1119	958	811	8059	7805	76.90	46.10	
	COPPER FINS (FC Option)	970	972	1477	1308	1378	1329	1050	903	9387	9132			
	MICROCHANNEL (MCHE Option)	692	692	1102	930	1002	952	874	726	6970	6715			
APCY6100DH	ALUMINIUM FINS (Standard)	820	823	1323	1237	1283	1288	1003	822	8600	8255	77.50	45.43	
	COPPER FINS (FC Option)	972	976	1532	1447	1492	1499	1095	914	9927	9582			
	MICROCHANNEL (MCHE Option)	693	696	1157	1070	1117	1121	919	737	7510	7165			
APCY6110DH	ALUMINIUM FINS (Standard)	847	833	1398	1264	1283	1288	1003	822	8739	8394	76.90	45.74	
	COPPER FINS (FC Option)	999	986	1607	1474	1492	1499	1095	914	10066	9721			
	MICROCHANNEL (MCHE Option)	721	706	1232	1097	1117	1121	919	737	7649	7304			

Table 43

NOTE:

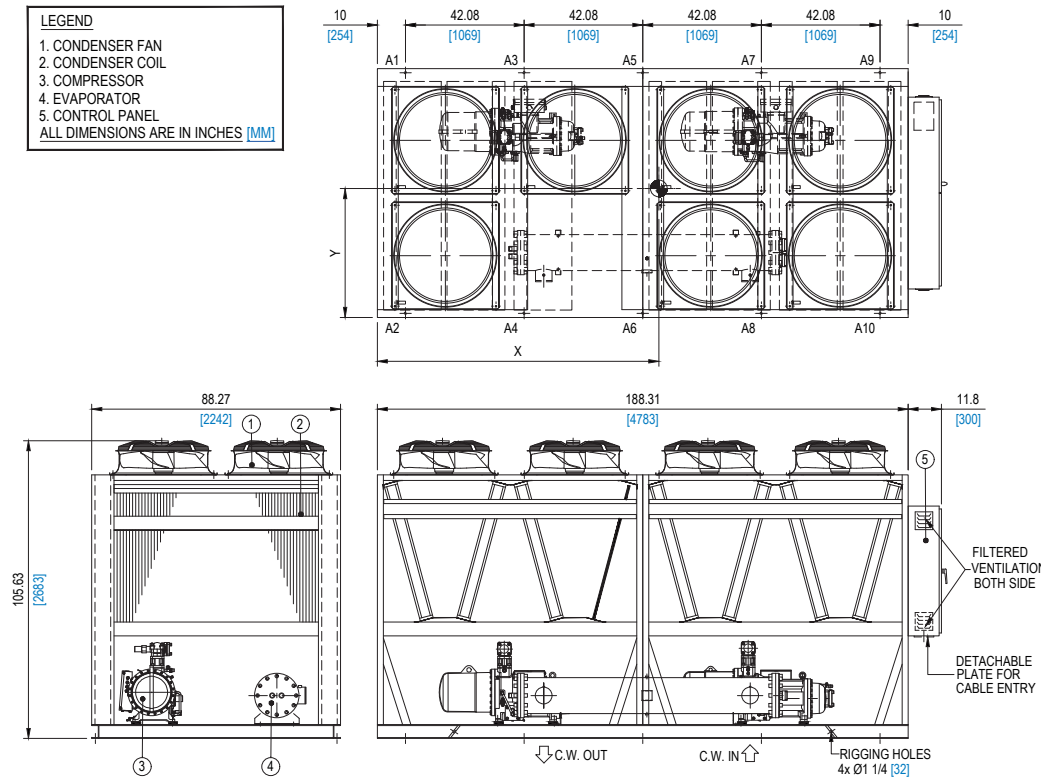
Drawings are not contractually binding. Certified drawings will be provided upon request or at time of order.



Dimensional Data

APCY Models - 6115DH

LEGEND
1. CONDENSER FAN
2. CONDENSER COIL
3. COMPRESSOR
4. EVAPORATOR
5. CONTROL PANEL
ALL DIMENSIONS ARE IN INCHES [MM]



MODEL APCY	CONDENSER COIL TYPE	LOAD AT EACH POINT [LBS]										OPERATING WEIGHT	SHIPPING WEIGHT	CENTER OF GRAVITY ALUMINIUM FINS (Standard) [IN]		C.W. IN/OUT
		A1	A2	A3	A4	A5	A6	A7	A8	A9	A10			X-AXIS	Y-AXIS	
APCY6115DH	ALUMINIUM FINS (Standard)	613	582	1341	1199	862	902	1376	1237	964	870	9947	9602	99.90	45.72	6" [DN 150]
	COPPER FINS (FC Option)	743	712	1515	1374	1029	1070	1549	1411	1093	1000	11495	11150			
	MICROCHANNEL (MCHE Option)	504	472	1201	1058	726	766	1236	1096	855	761	8676	8331			

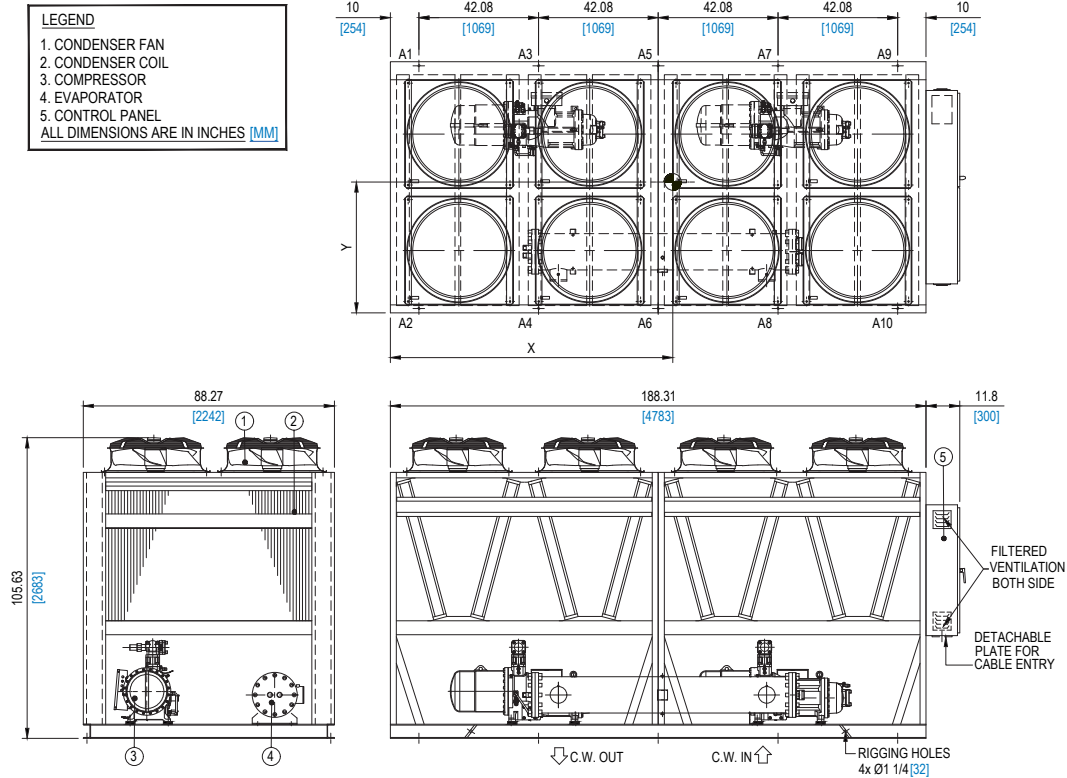
Table 44

NOTE:

Drawings are not contractually binding. Certified drawings will be provided upon request or at time of order.

Dimensional Data

APCY Models - 5105DH, 5115DH, 5125DH, 5130DH
6125DH, 6135DH, 6145DH



MODEL APCY	CONDENSER COIL TYPE	LOAD AT EACH POINT [LBS]										OPERATING WEIGHT	SHIPPING WEIGHT	CENTER OF GRAVITY ALUMINIUM FINS (Standard) [IN]		C.W. IN/OUT
		A1	A2	A3	A4	A5	A6	A7	A8	A9	A10			X-AXIS	Y-AXIS	
APCY5105DH	ALUMINIUM FINS (Standard)	706	656	1575	1334	1015	1016	1578	1350	1062	948	11241	10893	99.28	45.83	6" [DN 150]
	COPPER FINS (FC Option)	866	817	1789	1550	1221	1223	1793	1566	1222	1108	13155	12807			
	MICROCHANNEL (MCHE Option)	608	557	1449	1207	893	894	1452	1223	964	849	10098	9749			
APCY5115DH	ALUMINIUM FINS (Standard)	710	659	1578	1338	1031	1024	1684	1390	1091	960	11464	11116	99.90	46.11	
	COPPER FINS (FC Option)	869	820	1793	1553	1237	1231	1898	1606	1251	1121	13379	13030			
	MICROCHANNEL (MCHE Option)	612	561	1452	1211	909	901	1557	1263	993	862	10321	9973			
APCY5125DH	ALUMINIUM FINS (Standard)	729	668	1728	1488	1030	945	1684	1378	1080	958	11689	11340	98.39	46.39	
	COPPER FINS (FC Option)	889	829	1942	1704	1236	1153	1898	1594	1240	1119	13603	13255			
	MICROCHANNEL (MCHE Option)	631	570	1601	1361	908	823	1558	1251	982	860	10545	10197			
APCY5130DH	ALUMINIUM FINS (Standard)	729	668	1728	1488	1033	946	1709	1387	1086	960	11735	11387	98.56	46.47	
	COPPER FINS (FC Option)	889	829	1942	1704	1239	1154	1923	1603	1245	1121	13650	13301			
	MICROCHANNEL (MCHE Option)	631	570	1601	1361	911	824	1583	1260	988	862	10592	10244			
APCY6125DH	ALUMINIUM FINS (Standard)	706	656	1619	1445	978	922	1572	1334	1062	948	11242	10894	98.58	45.82	
	COPPER FINS (FC Option)	866	817	1833	1660	1184	1130	1786	1549	1222	1108	13156	12808			
	MICROCHANNEL (MCHE Option)	608	557	1493	1318	856	800	1446	1207	964	849	10099	9750			
APCY6135DH	ALUMINIUM FINS (Standard)	710	659	1622	1448	994	930	1677	1374	1091	960	11465	11117	99.19	46.12	
	COPPER FINS (FC Option)	869	820	1836	1664	1200	1137	1891	1589	1251	1121	13379	13031			
	MICROCHANNEL (MCHE Option)	612	561	1496	1321	872	808	1551	1247	993	862	10322	9974			
APCY6145DH	ALUMINIUM FINS (Standard)	729	668	1728	1488	1030	945	1684	1378	1080	958	11689	11340	98.39	46.39	
	COPPER FINS (FC Option)	889	829	1942	1704	1236	1153	1898	1594	1240	1119	13603	13255			
	MICROCHANNEL (MCHE Option)	631	570	1601	1361	908	823	1558	1251	982	860	10545	10197			

Table 45

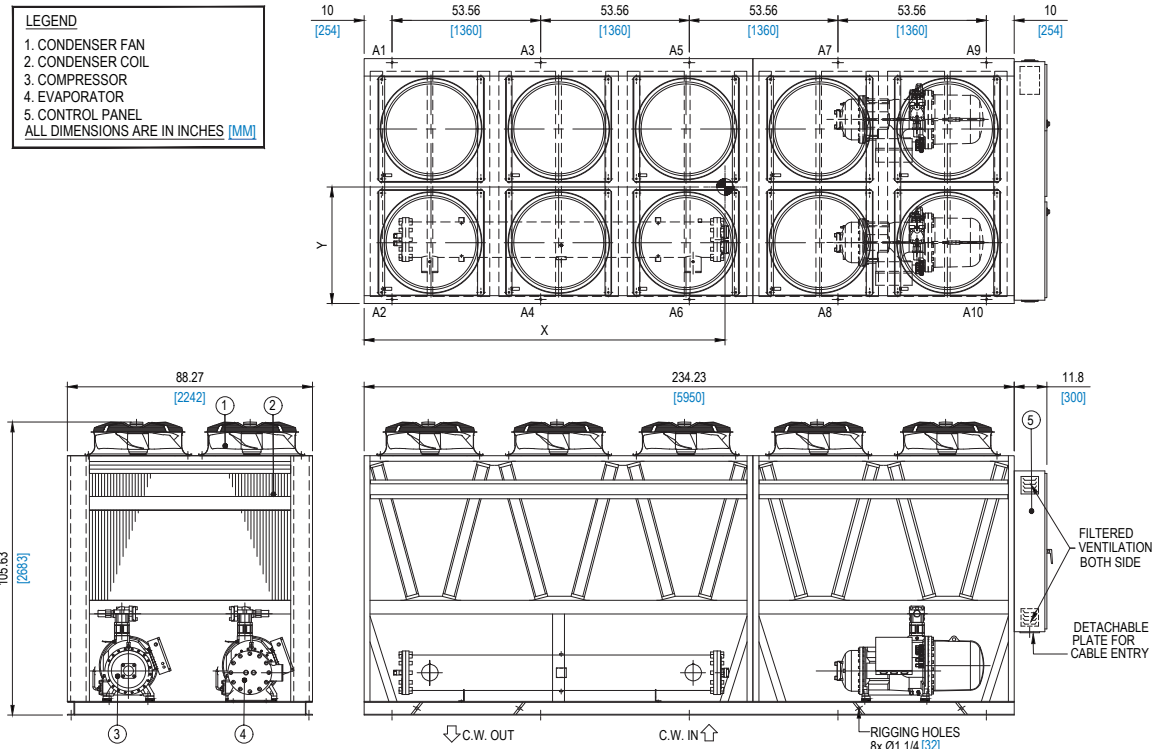
NOTE:

Drawings are not contractually binding. Certified drawings will be provided upon request or at time of order.



Dimensional Data

APCY Models - 5140DH, 5155DH, 5165DH, 5175DH, 5185DH
6160DH, 6170DH, 6185DH, 6195DH, 6205DH



MODEL APCY	CONDENSER COIL TYPE	LOAD AT EACH POINT [LBS]										OPERATING WEIGHT	SHIPPING WEIGHT	CENTER OF GRAVITY 		C.W. IN/OUT
		A1	A2	A3	A4	A5	A6	A7	A8	A9	A10			ALUMINIUM FINES (Standard)	Y-AXIS	
APCY5140DH	ALUMINIUM FINES (Standard)	766	864	975	1178	1051	1312	1649	1621	1441	1423	12279	11934	132.8	42.25	6" [DN 150]
	COPPER FINES (FC Option)	930	1029	1228	1433	1322	1586	1899	1873	1604	1588	14491	14146			
	MICROCHANNEL (MCHE Option)	624	721	771	973	834	1094	1447	1418	1300	1282	10463	10118			
APCY5155DH	ALUMINIUM FINES (Standard)	819	998	1052	1372	1148	1559	1692	1663	1469	1450	13221	12673	129.8	41.22	8" [DN 200]
	COPPER FINES (FC Option)	983	1163	1305	1627	1420	1832	1942	1915	1632	1614	15433	14885			
	MICROCHANNEL (MCHE Option)	677	856	848	1167	931	1341	1490	1460	1328	1308	11406	10857			
APCY5165DH	ALUMINIUM FINES (Standard)	819	998	1052	1372	1148	1559	1723	1674	1489	1457	13291	12742	130.1	41.35	
	COPPER FINES (FC Option)	983	1163	1305	1627	1420	1832	1974	1926	1652	1621	15503	14954			
	MICROCHANNEL (MCHE Option)	677	856	848	1167	931	1341	1521	1471	1348	1316	11475	10926			
APCY5175DH	ALUMINIUM FINES (Standard)	819	998	1052	1372	1148	1559	1735	1704	1496	1477	13360	12812	130.5	41.26	
	COPPER FINES (FC Option)	983	1163	1305	1627	1420	1832	1986	1956	1660	1641	15573	15024			
	MICROCHANNEL (MCHE Option)	677	856	848	1167	931	1341	1533	1501	1355	1335	11545	10996			
APCY5185DH	ALUMINIUM FINES (Standard)	821	1000	1054	1374	1150	1561	1779	1721	1525	1488	13473	12924	130.9	41.43	
	COPPER FINES (FC Option)	985	1165	1307	1629	1422	1834	2029	1973	1688	1652	15685	15136			
	MICROCHANNEL (MCHE Option)	679	858	850	1169	933	1343	1577	1518	1384	1346	11657	11108			
APCY6160DH	ALUMINIUM FINES (Standard)	819	998	1052	1372	1148	1559	1641	1601	1436	1411	13036	12488	128.9	41.24	
	COPPER FINES (FC Option)	983	1163	1305	1627	1420	1832	1891	1853	1599	1575	15248	14700			
	MICROCHANNEL (MCHE Option)	677	856	848	1167	931	1341	1439	1398	1295	1269	11221	10672			
APCY6170DH	ALUMINIUM FINES (Standard)	819	998	1052	1372	1148	1559	1649	1621	1441	1424	13083	12534	129.2	41.18	
	COPPER FINES (FC Option)	983	1163	1305	1627	1420	1832	1899	1873	1604	1588	15295	14746			
	MICROCHANNEL (MCHE Option)	677	856	848	1167	931	1341	1447	1418	1300	1282	11267	10718			
APCY6185DH	ALUMINIUM FINES (Standard)	819	998	1052	1372	1148	1559	1692	1663	1469	1450	13221	12673	129.8	41.22	
	COPPER FINES (FC Option)	983	1163	1305	1627	1420	1832	1942	1915	1632	1614	15433	14885			
	MICROCHANNEL (MCHE Option)	677	856	848	1167	931	1341	1490	1460	1328	1308	11406	10857			
APCY6195DH	ALUMINIUM FINES (Standard)	819	998	1052	1372	1148	1559	1723	1674	1489	1457	13291	12742	130.1	41.35	
	COPPER FINES (FC Option)	983	1163	1305	1627	1420	1832	1974	1926	1652	1621	15503	14954			
	MICROCHANNEL (MCHE Option)	677	856	848	1167	931	1341	1521	1471	1348	1316	11475	10926			
APCY6205DH	ALUMINIUM FINES (Standard)	819	998	1052	1372	1148	1559	1735	1704	1496	1477	13360	12812	130.5	41.26	
	COPPER FINES (FC Option)	983	1163	1305	1627	1420	1832	1986	1956	1660	1641	15573	15024			
	MICROCHANNEL (MCHE Option)	677	856	848	1167	931	1341	1533	1501	1355	1335	11545	10996			

Table 46

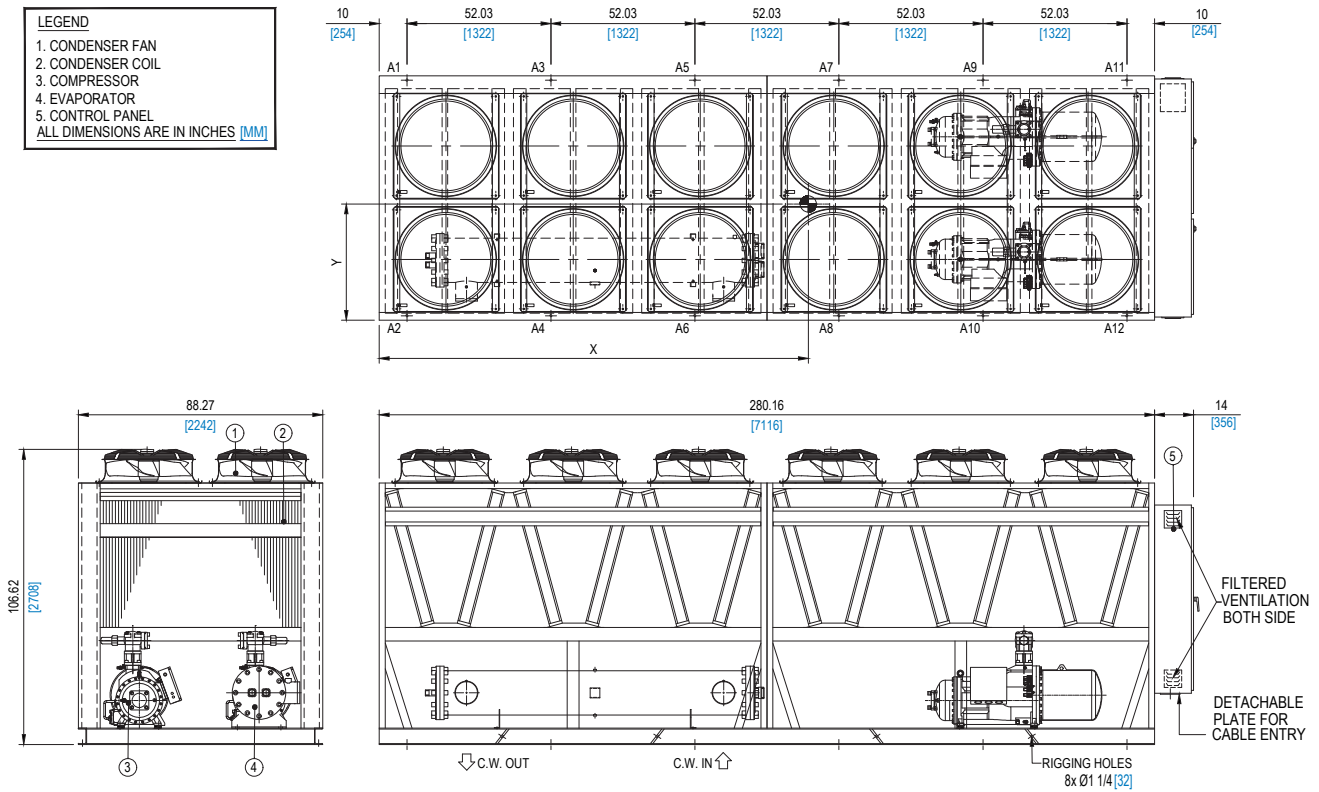
NOTE:

Drawings are not contractually binding. Certified drawings will be provided upon request or at time of order.

Dimensional Data

APCY Models - 5195DH, 5210DH, 5230DH
6220DH, 6230DH, 6240DH

LEGEND	
1.	CONDENSER FAN
2.	CONDENSER COIL
3.	COMPRESSOR
4.	EVAPORATOR
5.	CONTROL PANEL
ALL DIMENSIONS ARE IN INCHES [MM]	



MODEL APCY	CONDENSER COIL TYPE	LOAD AT EACH POINT [LBS]												OPERATING WEIGHT	SHIPPING WEIGHT	CENTER OF GRAVITY ALUMINIUM FINS  [IN]		C.W. IN/OUT
		A1	A2	A3	A4	A5	A6	A7	A8	A9	A10	A11	A12			X-AXIS	Y-AXIS	
APCY5195DH	ALUMINIUM FINS (Standard)	813	949	1046	1347	1172	1644	994	993	2010	1968	1384	1376	15697	15149	154.9	41.69	8" [DN 200]
	COPPER FINS (FC Option)	976	1112	1290	1594	1426	1900	1249	1250	2254	2215	1547	1539	18352	17803			
	MICROCHANNEL (MCHE Option)	673	808	848	1148	967	1438	789	788	1812	1769	1244	1235	13518	12970			
APCY5210DH	ALUMINIUM FINS (Standard)	818	953	1050	1352	1176	1649	1026	1008	2266	2063	1450	1402	16214	15665	156.8	42.36	
	COPPER FINS (FC Option)	980	1117	1295	1598	1431	1905	1281	1264	2511	2309	1613	1566	18888	18319			
	MICROCHANNEL (MCHE Option)	677	812	852	1153	972	1443	822	802	2068	1864	1310	1261	14035	13486			
APCY5230DH	ALUMINIUM FINS (Standard)	774	835	1108	1491	1050	1321	1024	1249	2374	2319	1634	1616	16795	16140	162.4	41.82	
	COPPER FINS (FC Option)	936	999	1353	1737	1304	1577	1279	1505	2618	2565	1796	1780	19449	18794			
	MICROCHANNEL (MCHE Option)	633	694	910	1292	845	1115	819	1043	2176	2120	1493	1475	14616	13961			
APCY6220DH	ALUMINIUM FINS (Standard)	811	947	1044	1346	1170	1643	991	986	1989	1918	1378	1362	15585	15036	154.5	41.78	
	COPPER FINS (FC Option)	974	1111	1289	1592	1425	1899	1245	1243	2233	2164	1540	1526	18240	17691			
	MICROCHANNEL (MCHE Option)	671	806	846	1147	965	1437	786	781	1791	1719	1238	1221	13406	12858			
APCY6230DH	ALUMINIUM FINS (Standard)	813	949	1046	1347	1172	1644	994	993	2010	1968	1384	1376	15697	15149	154.9	41.69	
	COPPER FINS (FC Option)	976	1112	1290	1594	1426	1900	1249	1250	2254	2215	1547	1539	18352	17803			
	MICROCHANNEL (MCHE Option)	673	808	848	1148	967	1438	789	788	1812	1769	1244	1235	13518	12970			
APCY6240DH	ALUMINIUM FINS (Standard)	765	826	1099	1482	1041	1312	1014	1239	2014	1973	1504	1491	15762	15107	158.5	41.62	
	COPPER FINS (FC Option)	927	990	1344	1728	1295	1568	1269	1495	2259	2219	1667	1655	18417	17761			
	MICROCHANNEL (MCHE Option)	624	685	901	1283	836	1107	809	1033	1816	1774	1364	1350	13583	12928			

Table 47

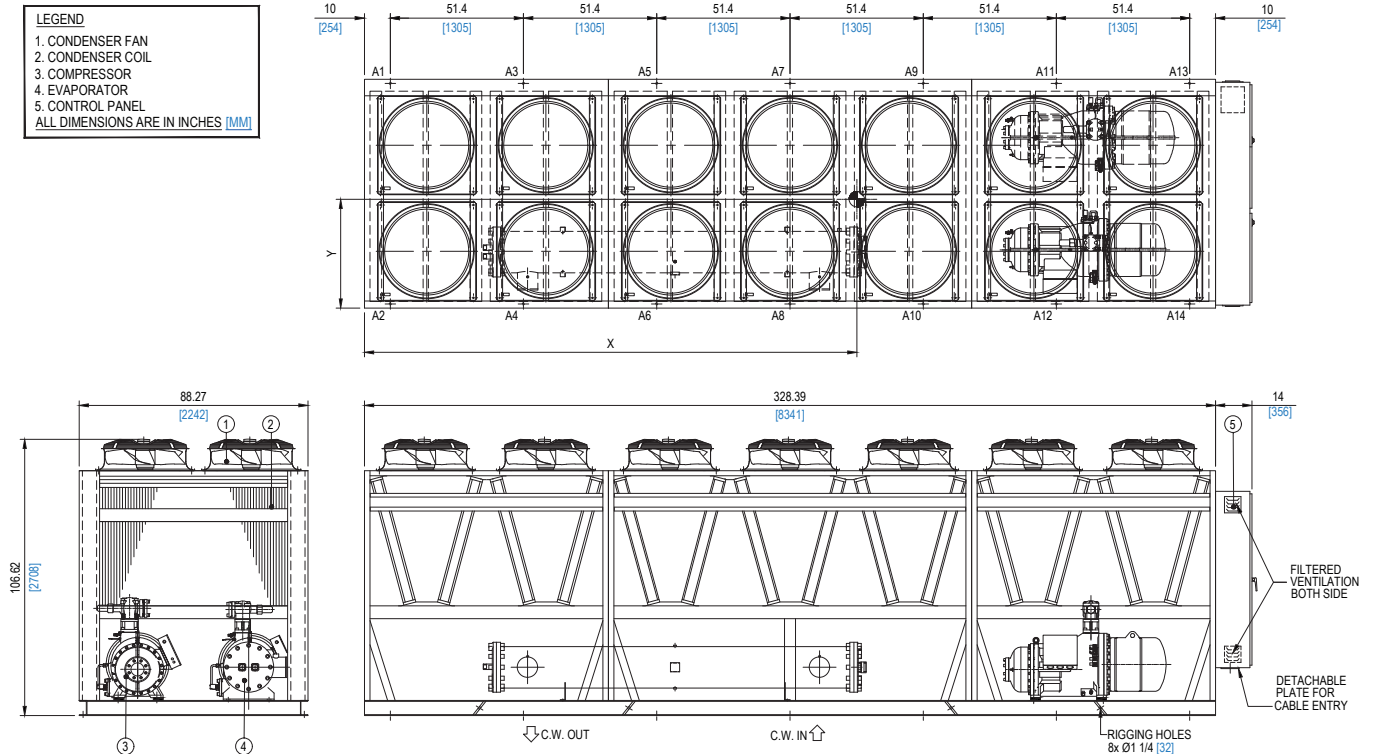
NOTE:

Drawings are not contractually binding. Certified drawings will be provided upon request or at time of order.



Dimensional Data

APCY Models - 5250DH, 5265DH 6260DH, 6275DH



MODEL APCY	CONDENSER COIL TYPE	LOAD AT EACH POINT [LBS]														OPERATING WEIGHT	SHIPPING WEIGHT	CENTER OF GRAVITY 		C.W. IN/OUT
		A1	A2	A3	A4	A5	A6	A7	A8	A9	A10	A11	A12	A13	A14			X-AXIS	Y-AXIS	
		ALUMINIUM FINS ^(Standard) [IN]																		
APCY5250DH	ALUMINIUM FINS ^(Standard)	688	646	1060	1404	915	1072	1196	1678	997	989	2409	2314	1493	1472	18332	17677	190.6	42.13	8" [DN 200]
	COPPER FINS ^(FC Option)	849	808	1303	1647	1152	1310	1460	1944	1233	1227	2651	2557	1654	1634	21429	20774			
	MICROCHANNEL ^(MCHE Option)	549	506	864	1206	722	879	985	1466	804	795	2212	2116	1354	1332	15790	15135			
APCY5265DH	ALUMINIUM FINS ^(Standard)	690	647	1062	1405	916	1074	1198	1680	1001	998	2434	2376	1500	1488	18470	17815	191.1	42.03	
	COPPER FINS ^(FC Option)	850	809	1304	1649	1153	1312	1462	1946	1238	1236	2677	2620	1661	1650	21567	20912			
	MICROCHANNEL ^(MCHE Option)	550	507	893	1181	736	868	1024	1430	808	804	2238	2179	1361	1348	15928	15273			
APCY6260DH	ALUMINIUM FINS ^(Standard)	683	640	1055	1398	909	1067	1191	1673	973	953	2243	2040	1450	1403	17678	17023	188.0	42.43	
	COPPER FINS ^(FC Option)	844	802	1297	1642	1146	1305	1455	1939	1210	1191	2486	2284	1610	1565	20775	20120			
	MICROCHANNEL ^(MCHE Option)	543	500	859	1201	717	873	979	1460	780	759	2047	1843	1310	1263	15136	14481			
APCY6275DH	ALUMINIUM FINS ^(Standard)	686	644	1059	1402	913	1071	1195	1677	988	985	2344	2289	1477	1465	18194	17539	190.1	41.99	
	COPPER FINS ^(FC Option)	847	806	1301	1646	1150	1309	1459	1942	1225	1223	2586	2533	1637	1627	21291	20636			
	MICROCHANNEL ^(MCHE Option)	547	504	863	1205	721	877	983	1464	795	791	2148	2092	1337	1325	15652	14997			

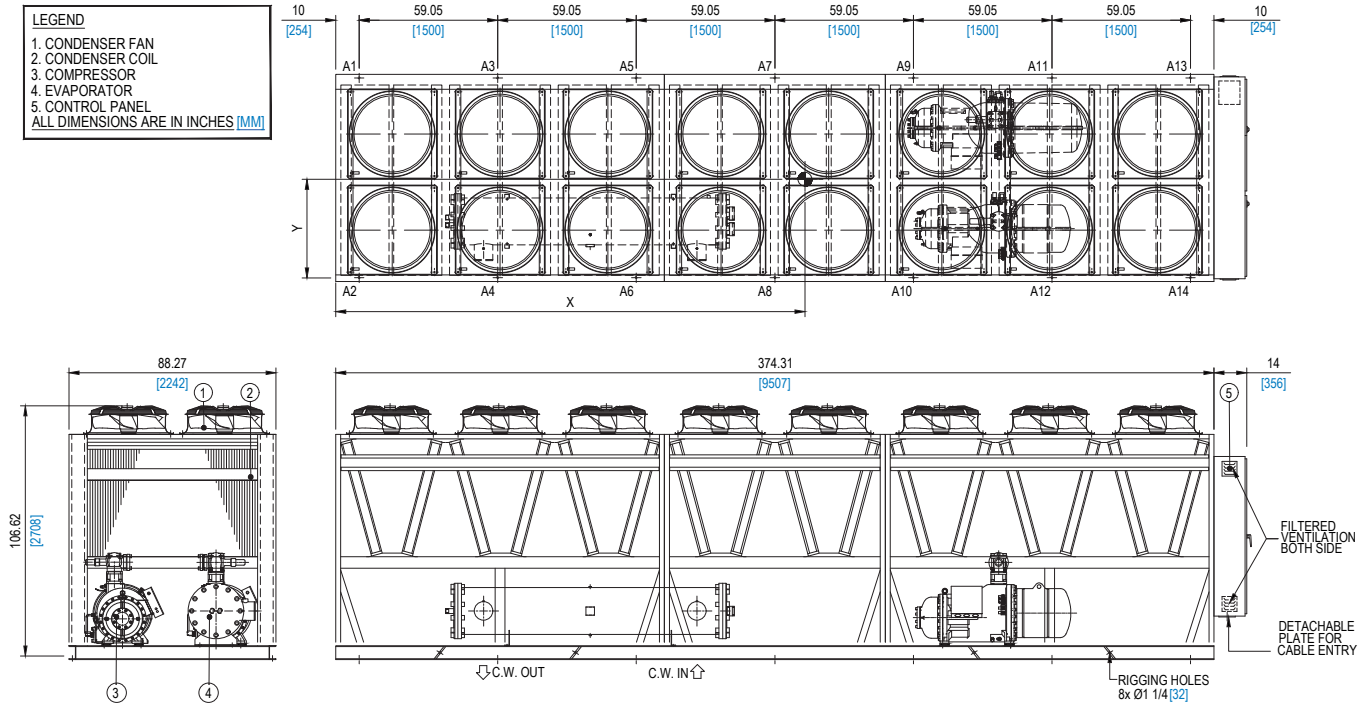
Table 48

NOTE:

Drawings are not contractually binding. Certified drawings will be provided upon request or at time of order.

Dimensional Data

APCY Models - 5285DH, 5300DH
6300DH, 6320DH



MODEL APCY	CONDENSER COIL TYPE	LOAD AT EACH POINT [LBS]														OPERATING WEIGHT	SHIPPING WEIGHT	CENTER OF GRAVITY 		C.W. IN/OUT
		A1	A2	A3	A4	A5	A6	A7	A8	A9	A10	A11	A12	A13	A14			ALUMINIUM FINS (Standard)	[IN]	
APCY5285DH	ALUMINIUM FINS (Standard)	721	678	1487	2194	1299	1909	1038	1245	2202	2083	2114	2016	1176	1178	21342	20517	200.5	41.48	10" [DN 250]
	COPPER FINS (FC Option)	891	849	1799	2508	1566	2177	1306	1515	2468	2352	2426	2330	1345	1349	24881	24057			
	MICROCHANNEL (MCHE Option)	572	529	1238	1944	1081	1690	820	1026	1984	1865	1866	1766	1026	1028	18436	17612			
APCY5300DH	ALUMINIUM FINS (Standard)	721	678	1487	2194	1299	1909	1038	1245	2248	2200	2153	2115	1176	1178	21643	20818	201.6	41.25	
	COPPER FINS (FC Option)	891	849	1799	2508	1566	2177	1306	1515	2515	2469	2465	2428	1345	1349	25182	24358			
	MICROCHANNEL (MCHE Option)	572	529	1238	1944	1081	1690	820	1026	2030	1982	1905	1865	1026	1028	18737	17913			
APCY6300DH	ALUMINIUM FINS (Standard)	720	677	1486	2193	1297	1907	1037	1244	2062	1994	1996	1940	1174	1177	20903	20079	199.1	41.23	
	COPPER FINS (FC Option)	889	847	1797	2506	1564	2176	1305	1513	2329	2262	2308	2254	1343	1347	24442	23618			
	MICROCHANNEL (MCHE Option)	571	527	1237	1943	1080	1689	819	1024	1845	1775	1748	1690	1025	1027	17997	17173			
APCY6320DH	ALUMINIUM FINS (Standard)	721	678	1487	2194	1299	1909	1038	1245	2081	2040	2013	1980	1176	1178	21041	20216	199.5	41.15	
	COPPER FINS (FC Option)	891	849	1799	2508	1566	2177	1306	1515	2348	2309	2325	2293	1345	1349	24580	23756			
	MICROCHANNEL (MCHE Option)	572	529	1248	1935	1089	1682	823	1023	1864	1822	1764	1730	1026	1028	18135	17311			

Table 49

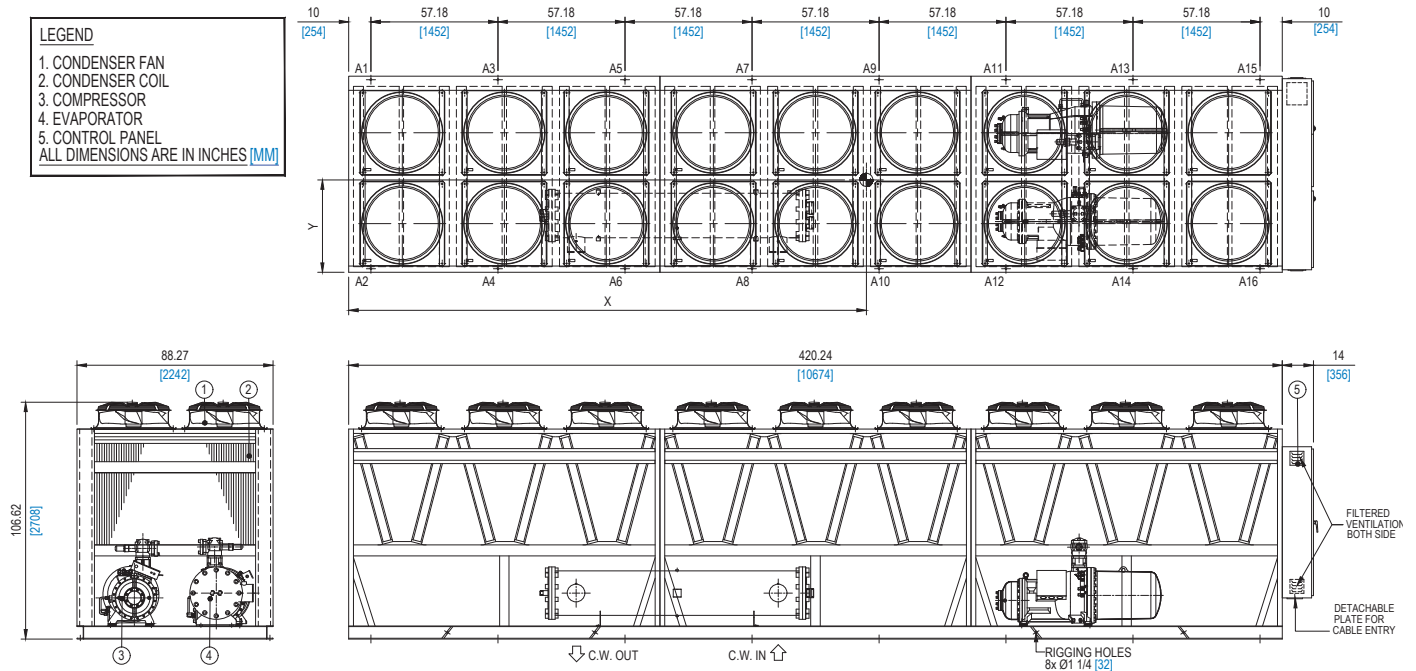
NOTE:

Drawings are not contractually binding. Certified drawings will be provided upon request or at time of order.



Dimensional Data

APCY Models - 5325DH, 5345DH 6340DH, 6360DH



MODEL APCY	CONDENSER COIL TYPE	LOAD AT EACH POINT [LBS]																OPERATING WEIGHT	SHIPPING WEIGHT	CENTER OF GRAVITY		C.W. IN/OUT
																				ALUMINIUM FINS (Standard) [IN]		
		A1	A2	A3	A4	A5	A6	A7	A8	A9	A10	A11	A12	A13	A14	A15	A16			X-AXIS	Y-AXIS	
APCY5325DH	ALUMINIUM FINS (Standard)	712	669	1077	1236	1296	1900	1367	2105	902	929	2503	2392	1993	1924	1218	1221	23445	22621	233.2	41.64	10" [DN 250]
	COPPER FINS (FC Option)	879	838	1370	1531	1566	2171	1629	2369	1164	1193	2772	2663	2286	2219	1386	1390	27427	26603			
	MICROCHANNEL (MCHE Option)	564	521	842	1000	1078	1680	1153	1891	688	714	2284	2173	1758	1688	1071	1073	20177	19353			
APCY5345DH	ALUMINIUM FINS (Standard)	712	669	1077	1236	1296	1900	1367	2105	902	929	2537	2478	2015	1979	1218	1221	23642	22818	233.9	41.50	
	COPPER FINS (FC Option)	879	838	1370	1531	1566	2171	1629	2369	1164	1193	2806	2749	2308	2274	1386	1390	27624	26800			
	MICROCHANNEL (MCHE Option)	564	521	842	1000	1078	1680	1153	1891	688	714	2318	2258	1780	1743	1071	1073	20374	19549			
APCY6340DH	ALUMINIUM FINS (Standard)	712	669	1077	1236	1296	1900	1367	2105	902	929	2363	2229	1903	1819	1218	1221	22948	22123	231.3	41.66	
	COPPER FINS (FC Option)	879	838	1370	1531	1566	2171	1629	2369	1164	1193	2632	2500	2196	2114	1386	1390	26929	26105			
	MICROCHANNEL (MCHE Option)	564	521	842	1000	1078	1680	1153	1891	688	714	2144	2010	1668	1583	1071	1073	19679	18855			
APCY6360DH	ALUMINIUM FINS (Standard)	712	669	1077	1236	1296	1900	1367	2105	902	929	2415	2361	1936	1904	1218	1221	23249	22424	232.4	41.44	
	COPPER FINS (FC Option)	879	838	1370	1531	1566	2171	1629	2369	1164	1193	2684	2632	2230	2199	1386	1390	27230	26406			
	MICROCHANNEL (MCHE Option)	564	521	842	1000	1078	1680	1153	1891	688	714	2196	2141	1701	1667	1071	1073	19980	19156			

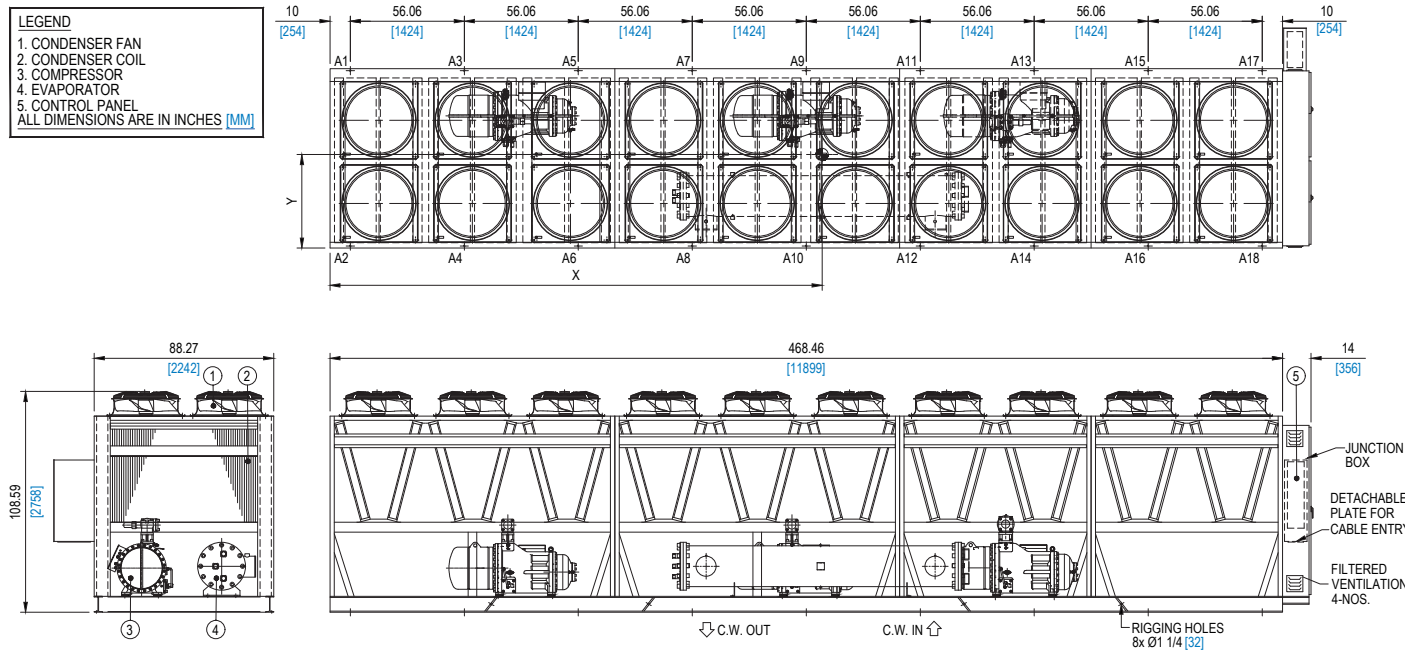
Table 50

NOTE:

Drawings are not contractually binding. Certified drawings will be provided upon request or at time of order.

Dimensional Data

APCY Models - 5365TH, 5380TH



MODEL APCY	CONDENSER COIL TYPE	LOAD AT EACH POINT [LBS]																		OPERATING WEIGHT	SHIPPING WEIGHT	CENTER OF GRAVITY ALUMINIUM FINS (Standard) [IN]		C.W. IN/OUT
		A1	A2	A3	A4	A5	A6	A7	A8	A9	A10	A11	A12	A13	A14	A15	A16	A17	A18			X-AXIS	Y-AXIS	
APCY5365TH	ALUMINIUM FINS (Standard)	789	724	1679	1235	1746	1240	1478	1886	2313	1960	1815	2297	2128	1385	1155	1036	1311	1314	27491	26491	242.6	46.24	10" [DN 250]
	COPPER FINS (FC Option)	956	892	1960	1518	2017	1512	1736	2146	2572	2220	2069	2552	2403	1662	1429	1312	1477	1481	31915	30915			
	MICROCHANNEL (MCHE Option)	643	577	1452	1007	1527	1020	1267	1674	2102	1748	1608	2088	1905	1162	933	813	1166	1168	23860	22859			
APCY5380TH	ALUMINIUM FINS (Standard)	791	725	1680	1236	1748	1242	1489	1891	2379	1984	1826	2301	2129	1387	1156	1037	1313	1315	27629	26629	242.5	46.32	10" [DN 250]
	COPPER FINS (FC Option)	957	893	1962	1519	2018	1513	1748	2151	2638	2245	2080	2557	2404	1664	1431	1314	1478	1482	32053	31053			
	MICROCHANNEL (MCHE Option)	644	578	1454	1008	1529	1022	1278	1679	2168	1772	1619	2093	1907	1163	934	814	1167	1169	23998	22997			

Table 51

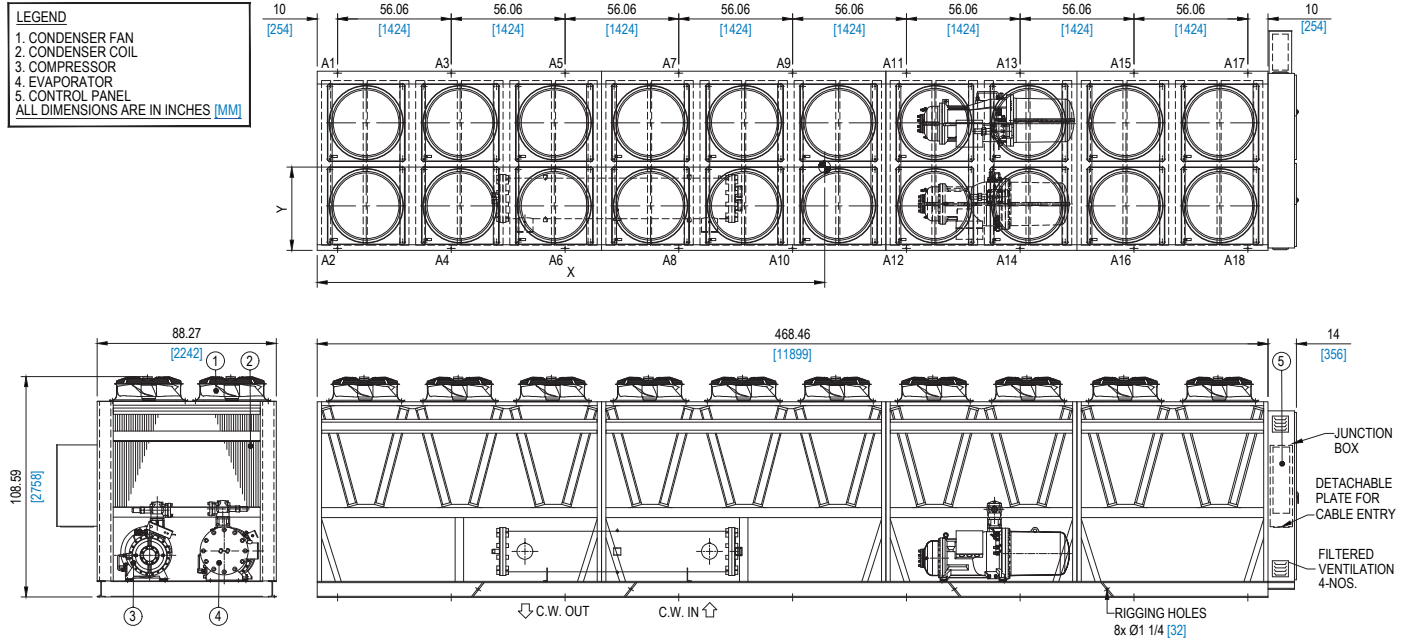
NOTE:

Drawings are not contractually binding. Certified drawings will be provided upon request or at time of order.



Dimensional Data

APCY Models - 6385DH, 6405DH



MODEL APCY	CONDENSER COIL TYPE	LOAD AT EACH POINT [LBS]																		OPERATING WEIGHT	SHIPPING WEIGHT	CENTER OF GRAVITY ALUMINIUM FINS [Standard] [IN]		C.W. IN/OUT
		A1	A2	A3	A4	A5	A6	A7	A8	A9	A10	A11	A12	A13	A14	A15	A16	A17	A18			X-AXIS	Y-AXIS	
APCY6385DH	ALUMINIUM FINS [Standard]	726	683	1045	1176	1332	1963	1344	2036	939	1012	1965	1892	2476	2369	935	939	1283	1286	25401	24577	250.1	41.82	10" [DN 250]
	COPPER FINS [FC Option]	893	851	1326	1459	1603	2235	1602	2297	1197	1272	2219	2147	2751	2647	1209	1216	1449	1453	29825	29001			
	MICROCHANNEL [MCHE Option]	580	536	818	948	1114	1743	1133	1824	728	800	1758	1683	2253	2146	713	716	1138	1140	21770	20945			
APCY6405DH	ALUMINIUM FINS [Standard]	726	683	1045	1176	1332	1963	1344	2036	939	1012	1988	1950	2508	2452	935	939	1283	1286	25598	24774	250.6	41.69	10" [DN 250]
	COPPER FINS [FC Option]	893	851	1326	1459	1603	2235	1602	2297	1197	1272	2242	2205	2784	2729	1209	1216	1449	1453	30022	29198			
	MICROCHANNEL [MCHE Option]	580	536	818	948	1114	1743	1133	1824	728	800	1781	1741	2286	2229	713	716	1138	1140	21966	21142			

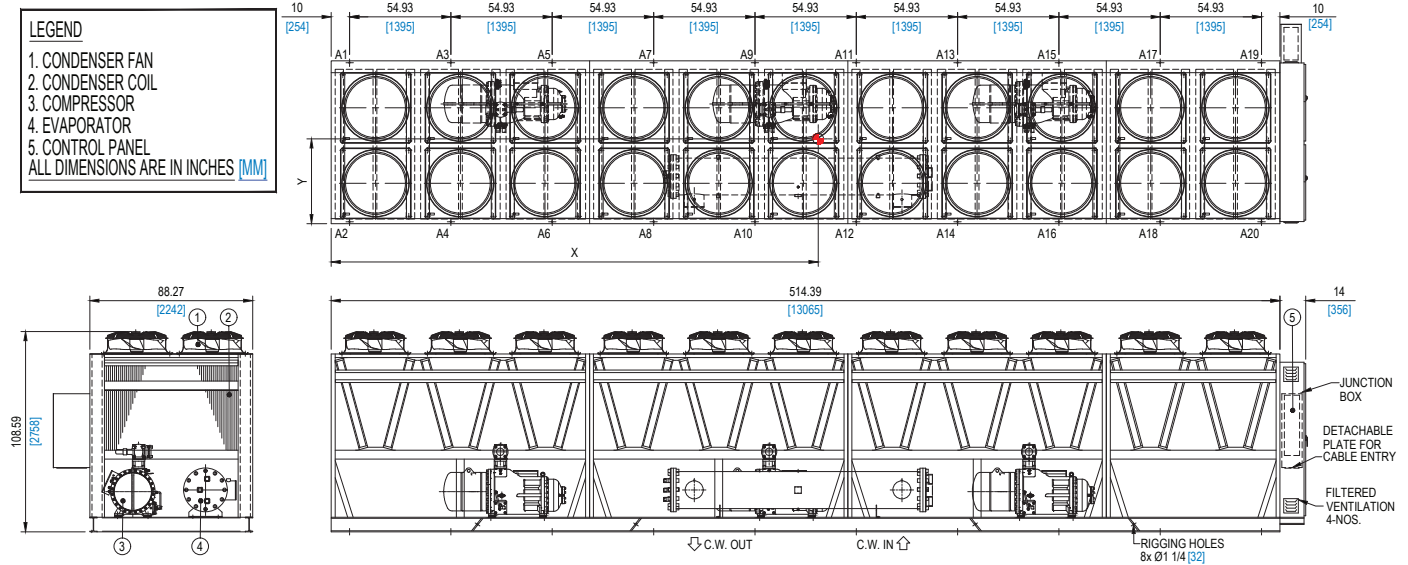
Table 52

NOTE:

Drawings are not contractually binding. Certified drawings will be provided upon request or at time of order.

Dimensional Data

APCY Models - 5395TH, 5410TH
6410TH, 6425TH



MODEL APCY	CONDENSER COIL TYPE	LOAD AT EACH POINT [LBS]																				OPERATING WEIGHT	SHIPPING WEIGHT	CENTER OF GRAVITY 		C.W. IN/OUT
		A1	A2	A3	A4	A5	A6	A7	A8	A9	A10	A11	A12	A13	A14	A15	A16	A17	A18	A19	A20			ALUMINIUM FINS (Standard)	(IN)	
																								X-AXIS	Y-AXIS	
APCY5395TH	ALUMINIUM FINS (Standard)	774	709	1484	1137	1976	1317	1110	1406	2352	2176	1831	2156	1329	1312	2111	1374	1032	965	1350	1352	29253	28253	264.1	46.28	10" [DN 250]
	COPPER FINS (FC Option)	940	876	1753	1408	2247	1590	1365	1663	2607	2433	2082	2408	1584	1568	2388	1652	1295	1230	1514	1518	34120	33120			
	MICROCHANNEL (MCHE Option)	629	563	1266	918	1757	1097	902	1197	2144	1967	1626	1950	1121	1103	1888	1150	818	751	1205	1207	25259	24258			
APCY5410TH	ALUMINIUM FINS (Standard)	774	709	1484	1137	1976	1317	1110	1406	2352	2176	1831	2156	1372	1327	2274	1433	1047	971	1350	1352	29555	28554	265.4	46.47	
	COPPER FINS (FC Option)	940	876	1753	1408	2247	1590	1365	1663	2607	2433	2082	2408	1627	1584	2551	1711	1310	1236	1514	1518	34421	33421			
	MICROCHANNEL (MCHE Option)	629	563	1266	918	1757	1097	902	1197	2144	1967	1626	1950	1164	1118	2052	1209	834	756	1205	1207	25560	24560			
APCY6410TH	ALUMINIUM FINS (Standard)	771	706	1451	1123	1916	1294	1111	1399	2297	2145	1810	2134	1312	1300	2045	1348	1022	960	1346	1349	28840	27840	264.4	46.12	
	COPPER FINS (FC Option)	937	873	1720	1394	2188	1567	1366	1656	2552	2401	2061	2386	1567	1557	2321	1626	1286	1225	1511	1515	33706	32706			
	MICROCHANNEL (MCHE Option)	626	560	1233	905	1697	1073	903	1190	2089	1936	1605	1928	1104	1091	1822	1124	809	745	1201	1203	24845	23845			
APCY6425TH	ALUMINIUM FINS (Standard)	772	707	1452	1124	1918	1295	1112	1400	2298	2146	1811	2135	1329	1307	2109	1372	1029	963	1347	1350	28978	27977	264.9	46.20	
	COPPER FINS (FC Option)	938	874	1721	1395	2189	1568	1367	1657	2553	2402	2062	2387	1585	1564	2385	1650	1293	1228	1512	1516	33844	32844			
	MICROCHANNEL (MCHE Option)	627	561	1235	906	1698	1074	904	1191	2090	1937	1606	1929	1122	1098	1886	1148	816	749	1203	1204	24983	23983			

Table 53

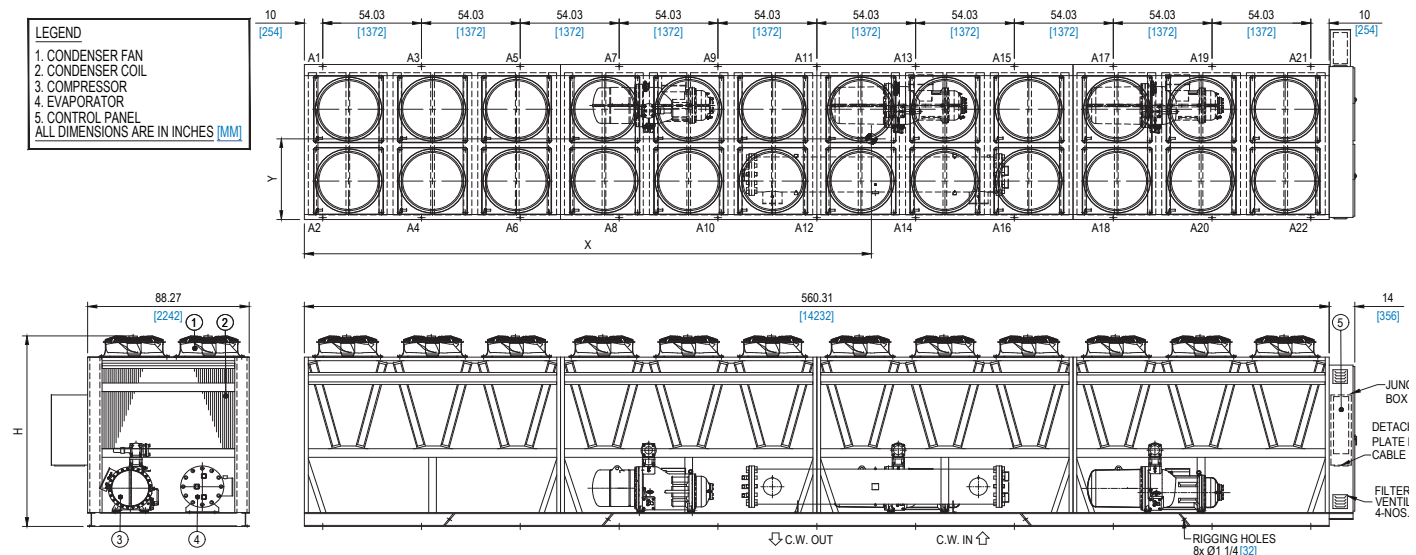
NOTE:

Drawings are not contractually binding. Certified drawings will be provided upon request or at time of order.



Dimensional Data

APCY Models - 5425TH, 5455TH, 5475TH, 5495TH, 5520TH 6445TH, 6465TH, 6480TH, 6495TH, 6510TH



MODEL APCY	CONDENSER COIL TYPE	LOAD AT EACH POINT [LBS]																						H	OPERATING WEIGHT	SHIPPING WEIGHT	CENTER OF GRAVITY	
		ALUMINUM FINES (Standard)	X-AXIS	Y-AXIS																								
APCY5425TH	ALUMINIUM FINES (Standard)	761	696	911	908	935	939	1705	1190	1735	1447	1557	2066	2499	2199	1377	1536	1615	1190	1997	1309	1391	1393	108.6" [2758]	31355	30355	309.3	46.36
	COPPER FINES (PC Option)	925	862	1170	1169	1207	1213	1957	1443	1987	1701	1805	2315	2751	2452	1629	1790	1887	1463	2256	1569	1555	1559		36664	35664		
	MICROCHANNEL (MC Option)	616	551	701	697	715	719	1500	983	1529	1240	1355	1862	2293	1992	1171	1330	1395	969	1786	1097	1246	1248		26997	25997		
APCY5455TH	ALUMINIUM FINES (Standard)	761	696	911	908	935	939	1822	1233	1902	1642	1801	2661	2685	2654	1498	1833	1615	1190	1997	1309	1391	1393	108.6" [2758]	33778	32270	308.5	45.22
	COPPER FINES (PC Option)	926	862	1170	1169	1207	1213	2074	1486	2154	1895	2048	2910	2937	2908	1750	2087	1887	1464	2256	1569	1555	1559		39087	37519		
	MICROCHANNEL (MC Option)	617	551	701	697	715	719	1616	1026	1697	1435	1598	2458	2479	2448	1293	1627	1396	969	1787	1097	1246	1248		29420	27912		
APCY5475TH	ALUMINIUM FINES (Standard)	812	747	985	983	1012	1017	1894	1305	1974	1714	1872	2733	2757	2727	1571	1906	1747	1287	2159	1416	1442	1445	120.1" [3052]	35504	33997	308.2	45.27
	COPPER FINES (PC Option)	1018	954	1308	1308	1352	1359	2209	1622	2289	2031	2181	3044	3072	3043	1885	2223	2087	1630	2483	1741	1648	1652		42140	40633		
	MICROCHANNEL (MC Option)	645	580	743	739	759	763	1657	1067	1738	1477	1638	2498	2520	2489	1334	1668	1494	1034	1917	1172	1275	1277		30485	28978		
APCY5495TH	ALUMINIUM FINES (Standard)	812	747	985	983	1012	1017	1894	1305	1974	1714	1891	2740	2860	2764	1592	1914	1747	1287	2159	1416	1442	1445	120.1" [3052]	35701	34193	308.4	45.38
	COPPER FINES (PC Option)	1018	954	1308	1308	1352	1359	2209	1622	2289	2031	2200	3051	3175	3081	1907	2231	2087	1630	2483	1741	1648	1652		42337	40829		
	MICROCHANNEL (MC Option)	645	580	743	739	759	763	1657	1067	1738	1477	1657	2505	2623	2527	1356	1676	1494	1034	1917	1172	1275	1277		30682	29175		
APCY5520TH	ALUMINIUM FINES (Standard)	812	747	985	983	1012	1017	1970	1333	2044	1743	1897	2755	2865	2776	1595	1921	1747	1288	2160	1416	1442	1445	120.1" [3052]	35953	34520	307.8	45.46
	COPPER FINES (PC Option)	1018	954	1308	1308	1352	1359	2285	1650	2358	2061	2204	3069	3177	3095	1909	2240	2087	1630	2483	1741	1648	1652		42589	41156		
	MICROCHANNEL (MC Option)	645	580	743	739	759	763	1733	1095	1807	1506	1664	2520	2628	2538	1359	1684	1495	1034	1917	1172	1275	1277		30834	29501		
APCY6445TH	ALUMINIUM FINES (Standard)	760	695	910	907	934	938	1660	1172	1691	1434	1516	2064	2332	2148	1337	1528	1530	1158	1860	1258	1390	1392	108.6" [2758]	30615	29615	307.9	45.87
	COPPER FINES (PC Option)	924	860	1169	1168	1206	1212	1912	1426	1943	1688	1764	2313	2584	2401	1589	1782	1802	1431	2119	1518	1554	1558		35924	34924		
	MICROCHANNEL (MC Option)	615	550	700	696	714	718	1454	966	1485	1228	1314	1861	2127	1941	1132	1322	1310	937	1650	1046	1245	1247		26257	25257		
APCY6465TH	ALUMINIUM FINES (Standard)	761	696	911	908	935	939	1705	1190	1732	1450	1517	2065	2333	2149	1338	1529	1531	1159	1861	1259	1391	1393	108.6" [2758]	30753	29753	307.4	45.93
	COPPER FINES (PC Option)	925	862	1170	1169	1207	1213	1957	1443	1986	1701	1774	2306	2592	2396	1595	1778	1803	1432	2120	1519	1555	1559		36062	35062		
	MICROCHANNEL (MC Option)	616	551	701	697	715	719	1500	983	1529	1241	1324	1853	2135	1936	1137	1318	1311	938	1651	1047	1246	1248		26395	25395		
APCY6480TH	ALUMINIUM FINES (Standard)	761	696	911	908	935	939	1705	1190	1732	1450	1517	2065	2347	2135	1347	1520	1615	1190	1997	1309	1391	1393	108.6" [2758]	31054	30054	309.1	46.18
	COPPER FINES (PC Option)	925	862	1170	1169	1207	1213	1957	1443	1984	1703	1765	2314	2599	2389	1599	1774	1887	1463	2256	1569	1555	1559		36363	35363		
	MICROCHANNEL (MC Option)	616	551	701	697	715	719	1500	983	1526	1243	1315	1862	2141	1929	1142	1314	1395	969	1786	1097	1246	1248		26696	25696		
APCY6495TH	ALUMINIUM FINES (Standard)	761	696	911	908	935	939	1705	1190	1735	1447	1557	2066	2499	2199	1377	1536	1615	1190	1997	1309	1391	1393	108.6" [2758]	31355	30355	309.3	46.36
	COPPER FINES (PC Option)	925	862	1170	1169	1207	1213	1957	1443	1987	1701	1805	2315	2751	2452	1629	1790	1887	1463	2256	1569	1555	1559		36664	35664		
	MICROCHANNEL (MC Option)	616	551	701	697	715	719	1500	983	1529	1240	1355	1862	2293	1992	1171	1330	1395	969	1786	1097	1246	1248		26997	25997		
APCY6510TH	ALUMINIUM FINES (Standard)	761	696	911	908	935	939	1822	1233	1938	1485	1557	2066	2499	2199	1377	1536	1615	1190	1997	1309	1391	1393	108.6" [2758]	31656	30656	308.3	46.54
	COPPER FINES (PC Option)	925	862	1170	1169	1207	1213	2074	1486	2087	1742	1794	2325	2743	2460	1624	1795	1887	1463	2256	1569	1555	1559		36965	35965		
	MICROCHANNEL (MC Option)	616	551	701	697	715	719	1616	1026	1630	1281	1344	1873	2285	2000	1166	1335	1395	969	1786	1097	1246	1248		27298	26298		

Table 54

NOTE:

Drawings are not contractually binding. Certified drawings will be provided upon request or at time of order.

Sound Data - 50.Hz

Model	Sound power level in dB ref 10 ⁻¹² W								Overall dBA
	Spectrum per octave band								
	63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz	
APCY5080DH	80.4	82.7	82.4	86.2	89.3	85.9	80.3	72.0	92.4
APCY5085DH	80.0	82.7	85.1	90.5	89.6	86.1	80.6	72.1	93.4
APCY5090DH	79.4	82.7	86.7	92.6	89.8	86.3	80.8	72.2	94.2
APCY5095DH	79.7	82.5	85.3	92.3	89.8	87.0	83.1	80.9	94.5
APCY5105DH	80.6	83.4	84.0	92.2	90.0	88.2	85.1	83.7	95.2
APCY5115DH	80.5	83.4	84.2	95.5	89.1	88.0	83.9	81.3	95.8
APCY5125DH	80.5	83.4	84.4	97.4	88.0	87.8	82.4	75.9	96.4
APCY5130DH	80.4	83.3	84.4	97.2	89.4	88.1	82.3	75.8	96.5
APCY5140DH	80.9	84.2	85.1	97.0	90.7	88.9	83.0	76.2	96.9
APCY5155DH	81.5	84.0	96.2	95.4	93.1	87.8	83.0	74.3	97.3
APCY5165DH	81.5	83.9	94.4	95.9	93.7	88.3	83.0	74.6	97.6
APCY5175DH	81.4	83.9	91.4	96.3	94.3	88.6	83.0	74.8	97.9
APCY5185DH	82.6	84.2	90.6	95.6	95.1	88.7	83.0	74.7	98.0
APCY5195DH	83.9	85.1	89.9	94.8	95.9	89.1	83.6	75.2	98.4
APCY5210DH	83.7	85.1	89.6	94.2	96.6	89.1	83.6	75.0	98.7
APCY5230DH	83.6	85.1	89.2	93.5	97.2	89.0	83.5	74.8	98.9
APCY5250DH	83.1	85.5	88.4	96.5	96.4	89.7	84.3	75.6	99.2
APCY5265DH	82.1	85.3	87.1	98.3	95.3	89.9	84.4	75.8	99.2
APCY5285DH	82.9	85.9	87.6	96.9	96.5	90.3	84.9	76.3	99.4
APCY5300DH	83.3	85.9	87.8	94.8	97.3	90.5	84.8	76.4	99.5
APCY5325DH	83.5	86.4	88.6	93.9	98.0	90.4	85.1	76.7	99.8
APCY5345DH	83.5	86.4	89.1	92.6	98.6	90.1	85.0	76.6	100.0
APCY5365TH	85.0	87.1	90.5	97.5	98.5	91.2	85.8	77.1	100.8
APCY5380TH	84.4	87.0	89.7	99.0	97.8	91.4	85.9	77.2	100.9
APCY5395TH	84.0	87.2	89.0	100.1	97.1	91.7	86.4	77.7	101.0
APCY5410TH	84.3	87.2	89.1	99.2	97.9	91.8	86.3	77.7	101.1
APCY5425TH	84.8	87.6	89.5	98.1	98.6	92.1	86.6	78.1	101.2
APCY5455TH	85.0	87.7	89.6	96.5	99.1	92.2	86.5	78.1	101.2
APCY5475TH	85.0	87.7	89.9	95.9	99.5	92.0	86.4	78.0	101.4
APCY5495TH	84.9	87.7	90.3	95.2	99.9	91.7	86.4	78.0	101.5
APCY5520TH	84.9	87.7	90.6	94.3	100.3	91.5	86.3	77.9	101.6

Model	Sound pressure level in dB ref 2x10 ⁻⁵ Pa @ 1meter in free field								Overall dBA
	Spectrum per octave band								
	63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz	
APCY5080DH	63.4	65.7	65.4	69.2	72.4	69.0	63.4	55.0	75.5
APCY5085DH	63.0	65.7	68.1	73.5	72.6	69.1	63.6	55.1	76.4
APCY5090DH	62.5	65.7	69.8	75.6	72.8	69.3	63.9	55.3	77.2
APCY5095DH	62.7	65.6	68.3	75.3	72.8	70.0	66.1	63.9	77.5
APCY5105DH	63.2	66.0	66.6	74.8	72.6	70.8	67.7	66.3	77.8
APCY5115DH	63.1	65.9	66.8	78.1	71.7	70.6	66.5	63.9	78.4
APCY5125DH	63.1	65.9	67.0	80.0	70.6	70.3	65.0	58.5	79.0
APCY5130DH	63.0	65.9	67.0	79.8	72.0	70.7	64.9	58.4	79.1
APCY5140DH	63.0	66.3	67.2	79.1	72.8	71.0	65.1	58.3	79.0
APCY5155DH	63.6	66.0	78.3	77.5	75.1	69.9	65.1	56.4	79.4
APCY5165DH	63.5	66.0	76.5	78.0	75.8	70.3	65.1	56.7	79.7
APCY5175DH	63.5	66.0	73.5	78.4	76.4	70.7	65.1	56.9	80.0
APCY5185DH	64.7	66.3	72.7	77.7	77.2	70.7	65.1	56.7	80.1
APCY5195DH	65.5	66.7	71.5	76.4	77.5	70.8	65.3	56.8	80.0
APCY5210DH	65.4	66.7	71.2	75.8	78.2	70.7	65.2	56.6	80.3
APCY5230DH	65.2	66.7	70.8	75.1	78.9	70.6	65.1	56.4	80.6
APCY5250DH	64.3	66.6	69.6	77.7	77.6	70.8	65.4	56.8	80.3
APCY5265DH	63.2	66.4	68.3	79.5	76.5	71.0	65.6	57.0	80.4
APCY5285DH	63.7	66.7	68.4	77.7	77.3	71.1	65.7	57.1	80.2
APCY5300DH	64.1	66.7	68.6	75.6	78.2	71.3	65.6	57.2	80.3
APCY5325DH	64.0	66.9	69.1	74.4	78.5	70.9	65.6	57.2	80.3
APCY5345DH	63.9	66.9	69.6	73.1	79.0	70.6	65.5	57.0	80.5
APCY5365TH	65.1	67.2	70.6	77.6	78.6	71.3	65.9	57.2	80.9
APCY5380TH	64.5	67.0	69.8	79.0	77.9	71.5	66.0	57.3	81.0
APCY5395TH	63.8	67.0	68.8	79.9	76.9	71.5	66.2	57.5	80.8
APCY5410TH	64.1	67.0	68.9	79.0	77.7	71.6	66.1	57.5	80.9
APCY5425TH	64.3	67.2	69.0	77.6	78.1	71.7	66.1	57.6	80.7
APCY5455TH	64.5	67.2	69.1	76.1	78.6	71.7	66.0	57.7	80.7
APCY5475TH	64.3	67.0	69.2	75.2	78.8	71.3	65.7	57.3	80.7
APCY5495TH	64.2	67.0	69.6	74.4	79.2	71.0	65.7	57.2	80.8
APCY5520TH	64.2	67.0	69.9	73.5	79.6	70.8	65.6	57.2	80.9

Table 55

NOTE:

Octave band sound values are non A-Weighted.

Sound Pressure Level according to ISO 3744, full load operation at 95°F (35°C) ambient and 44°F (6.7°C) / 54°F (12.2°C) evaporator leaving and entering water temperatures.



Sound Data - 60.Hz

Model	Sound power level in dB ref 10 ⁻¹² W								Overall dBA
	Spectrum per octave band								
	63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz	
APCY6095DH	81.0	85.0	83.9	89.4	91.1	88.1	84.5	75.8	94.7
APCY6100DH	80.5	85.0	86.4	92.5	91.3	88.2	84.6	75.8	95.5
APCY6110DH	80.0	85.0	87.9	94.3	91.5	88.3	84.7	75.9	96.1
APCY6115DH	80.6	85.4	86.9	94.2	91.7	89.4	86.5	82.5	96.7
APCY6125DH	81.1	85.8	85.5	94.1	91.8	90.2	87.8	85.0	97.2
APCY6135DH	81.1	85.8	85.7	97.1	91.1	90.0	87.0	82.9	97.7
APCY6145DH	81.1	85.8	85.9	98.9	90.2	89.8	86.2	78.6	98.2
APCY6160DH	81.6	86.7	86.6	98.8	91.7	90.7	87.0	79.2	98.7
APCY6170DH	81.5	86.7	86.6	98.5	92.6	90.9	86.9	79.1	98.8
APCY6185DH	82.1	86.5	97.3	97.1	94.6	90.0	86.9	78.1	99.1
APCY6195DH	82.1	86.5	95.6	97.5	95.2	90.4	86.9	78.2	99.4
APCY6205DH	82.0	86.5	92.6	97.9	95.7	90.7	86.9	78.3	99.6
APCY6220DH	83.6	87.4	92.0	97.4	96.7	91.2	87.7	79.0	100.0
APCY6230DH	84.5	87.6	91.1	96.6	97.3	91.3	87.7	78.9	100.2
APCY6240DH	84.5	87.6	91.1	96.6	97.3	91.3	87.7	78.9	100.2
APCY6260DH	84.7	88.2	91.1	96.3	98.1	91.7	88.2	79.4	100.6
APCY6275DH	84.5	88.1	90.7	95.7	98.7	91.6	88.2	79.4	100.9
APCY6300DH	84.0	88.6	90.1	98.4	98.0	92.2	88.9	80.0	101.1
APCY6320DH	83.1	88.4	89.0	99.9	97.0	92.4	88.9	80.1	101.2
APCY6340DH	83.9	89.0	89.5	98.8	98.1	92.8	89.4	80.6	101.4
APCY6360DH	84.2	89.0	89.6	97.0	98.9	92.9	89.3	80.6	101.5
APCY6385DH	84.5	89.4	90.4	96.4	99.6	93.0	89.7	81.0	101.8
APCY6405DH	84.4	89.4	90.7	95.5	100.1	92.8	89.7	80.9	102.0
APCY6410TH	86.4	90.1	92.6	97.6	100.5	93.6	90.2	81.3	102.7
APCY6425TH	85.8	90.0	92.0	99.4	100.0	93.7	90.2	81.4	102.8
APCY6445TH	85.5	90.3	91.5	100.7	99.5	94.0	90.6	81.8	102.9
APCY6465TH	84.9	90.2	90.7	101.7	98.8	94.1	90.7	81.8	103.0
APCY6480TH	85.1	90.2	90.8	100.9	99.5	94.2	90.7	81.8	103.0
APCY6495TH	85.4	90.2	90.9	99.9	100.1	94.2	90.6	81.9	103.0
APCY6510TH	85.6	90.3	91.0	98.6	100.6	94.3	90.6	81.9	103.1

Model	Sound pressure level in dB ref 2x10 ⁻⁵ Pa @ 1meter in free field								Overall dBA
	Spectrum per octave band								
	63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz	
APCY6095DH	64.0	68.0	67.0	72.4	74.1	71.1	67.5	58.8	77.8
APCY6100DH	63.6	68.0	69.4	75.5	74.3	71.2	67.6	58.9	78.5
APCY6110DH	63.1	68.0	70.9	77.3	74.5	71.4	67.8	58.9	79.1
APCY6115DH	63.2	68.0	69.5	76.8	74.2	71.9	69.1	65.1	79.3
APCY6125DH	63.7	68.4	68.1	76.7	74.4	72.8	70.4	67.6	79.7
APCY6135DH	63.7	68.4	68.3	79.7	73.7	72.6	69.6	65.5	80.3
APCY6145DH	63.7	68.4	68.5	81.5	72.7	72.3	68.7	61.2	80.8
APCY6160DH	63.7	68.7	68.7	80.8	73.8	72.8	69.1	61.3	80.8
APCY6170DH	63.6	68.7	68.7	80.6	74.7	73.0	69.0	61.2	80.9
APCY6185DH	64.2	68.6	79.4	79.2	76.7	72.1	69.0	60.1	81.2
APCY6195DH	64.1	68.6	77.6	79.6	77.3	72.5	69.0	60.3	81.5
APCY6205DH	64.1	68.6	74.7	80.0	77.8	72.8	69.0	60.4	81.7
APCY6220DH	65.2	69.0	73.6	79.0	78.3	72.9	69.3	60.6	81.6
APCY6230DH	66.1	69.2	72.7	78.2	79.0	72.9	69.3	60.5	81.8
APCY6240DH	66.1	69.2	72.7	78.2	79.0	72.9	69.3	60.5	81.8
APCY6260DH	65.8	69.3	72.2	77.5	79.3	72.9	69.4	60.6	81.8
APCY6275DH	65.7	69.3	71.9	76.9	79.9	72.8	69.4	60.5	82.1
APCY6300DH	64.8	69.4	70.9	79.2	78.8	73.0	69.7	60.8	82.0
APCY6320DH	63.9	69.3	69.8	80.8	77.8	73.2	69.7	60.9	82.0
APCY6340DH	64.3	69.4	69.9	79.2	78.6	73.3	69.8	61.0	81.9
APCY6360DH	64.7	69.5	70.1	77.5	79.4	73.3	69.8	61.1	81.9
APCY6385DH	64.5	69.5	70.4	76.5	79.7	73.1	69.8	61.1	81.9
APCY6405DH	64.5	69.5	70.8	75.6	80.2	72.9	69.8	61.0	82.1
APCY6410TH	66.2	69.9	72.4	77.4	80.3	73.4	70.0	61.1	82.5
APCY6425TH	65.6	69.8	71.8	79.2	79.8	73.5	70.0	61.2	82.6
APCY6445TH	65.0	69.8	71.0	80.3	79.0	73.6	70.2	61.3	82.5
APCY6465TH	64.4	69.7	70.2	81.2	78.3	73.7	70.2	61.3	82.5
APCY6480TH	64.6	69.7	70.3	80.4	79.0	73.7	70.2	61.4	82.5
APCY6495TH	64.9	69.8	70.4	79.4	79.6	73.8	70.2	61.4	82.5
APCY6510TH	65.1	69.8	70.5	78.1	80.1	73.8	70.1	61.4	82.6

Table 56

NOTE:

Octave band sound values are non A-Weighted.

Sound Pressure Level according to ISO 3744, full load operation at 95°F (35°C) ambient and 44°F (6.7°C) / 54°F (12.2°C) evaporator leaving and entering water temperatures.

Location And Space Requirements

To enhance system performance and operating economy, certain precautions should be followed before installation.

1. There should be no obstruction on the air discharge.
2. Unit must not be installed in a pit or near a parapet wall that is taller than the unit height.
3. Orient the unit so that prevailing winds blow parallel to unit length. If it is not practical to orient in this manner, a wind deflecting shield should be considered.
4. Provide adequate clearance on all sides of the unit for service access and avoid coil starvation. Refer to figure below for recommended clearances.

Recommended Clearances

It is a necessity that the units are installed with adequate free space around them to ensure proper circulation of air that is rejected by the condensers and to provide adequate space for unit access for servicing and maintenance. There is a possibility of recycling of air if the rejected air from condenser encounters any obstacles leading to an increase in the ambient air temperature surrounding the units.

Air distribution across the entire heat exchange area will be impaired if the air outlet is obstructed. These conditions lead to a reduction in the heat exchange capacity of the coils causing an increase in discharge pressure of the compressors. This leads to a loss of capacity & increase in compressor power input.

Units should not be completely shrouded with higher uninterrupted windshield in order to prevent reversing airflow. In case such configuration cannot be avoided, a properly designed exhaust duct or hood that does not influence any additional pressure on the fans and which of the same height as surrounding shield to be installed. For installation involving more than three chillers, consult SKM for acceptable clearance.

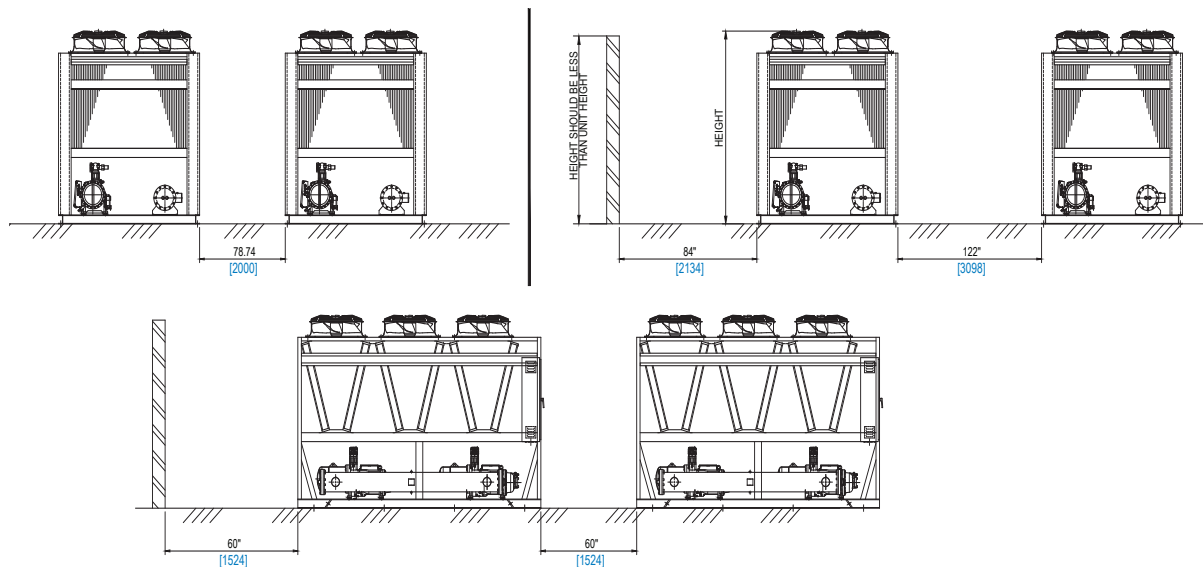


Figure A

Foundation

A flat level concrete foundation which can support the weight of the equipment must be provided where air-conditioning equipments are to be located, over steel trusses or on a steel platform, careful analysis to ensure proper distribution of weight onto the structural members should be ensured.

The steel platform should be strong enough to hold the operating weight.



Water Piping Practices

SKM suggests abiding by the local authorities' chilled water piping recommendations and practices as they can provide the installer the building and safety codes required for the installation.

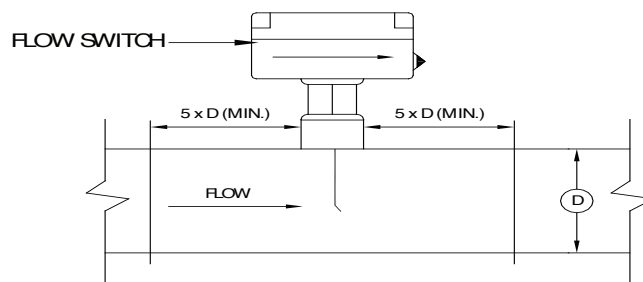
Water piping should be designed to have a minimum number of bends and horizontal piping levels. Below are the following components it should have:

1. Temperature and pressure gauges in entering and leaving chiller water piping for unit servicing and commissioning. Pressure gauges must be installed on the same level.
2. Flexible connection in entering and leaving chilled water piping to lessen the sound and vibration transmitted to the building.
3. Pipe strainer in the evaporator entering piping to protect the evaporator from water debris and maintain chiller efficiency. A maximum mesh size of 1.5mm is recommended.
4. Water flow switch in the leaving chilled water piping, wired to the terminals provided in the control panel, to make sure that it has sufficient flow of water in the evaporator. This will prevent the evaporator from freezing up when the water flow is interrupted and avoid compressor slugging on start-up.

NOTES:

A. The recommended minimum distance upstream and downstream of the Water flow switch is about 5 times the pipe's diameter.

DETAIL "A"



B. Water flow switch must be installed vertically on horizontal pipe runs.

C. When installed, make sure that the vane has full range of motion and is not hindered by contacting the wall of a pipe, bushing, or tee.

5. To isolate the unit from the piping system when servicing or during maintenance, install a shut off valve on the entering and leaving chilled water piping.
6. Expansion Tank provides additional space in the chilled water piping system as temperature rises and furthermore, it maintains a positive pressure within the working limitations of the system.
7. Air Vents at high points in the chilled water system to bleed air from the system.
8. Vapor barrier on the outside of the insulation to avoid condensation in the cold surface of the pipe that may cause damage on the building structure. A thorough leak test should be made before insulating the pipe.
9. Thermometers at the inlet and outlet connections of the evaporator.
10. Water pressure gauge connection taps and gauges at the inlet and outlet connections of the evaporator for measuring water pressure drop.
11. Shutoff valves are necessary to isolate the unit from the piping during unit servicing.
12. Minimum bends and changes in elevation to minimize pressure drop.
13. An expansion tank or regulating valve to maintain adequate water pressure
14. Flush the system water piping thoroughly before making connections to the unit evaporator, pipe not to be connected with chiller until the water quality criteria been obtained.
15. Piping insulation, including a vapor barrier, helps prevent condensation and reduces heat loss.
16. Regular water analysis and chemical water treatment for the evaporator loop is recommended immediately at chiller start-up.

Typical Chilled Water Piping

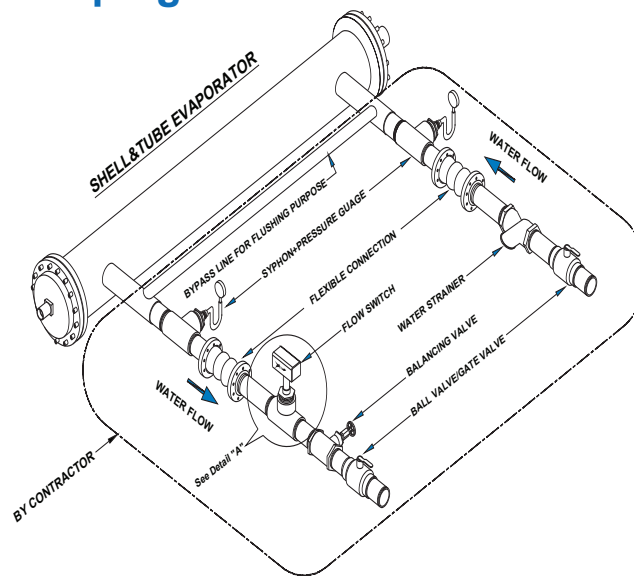


Figure 1

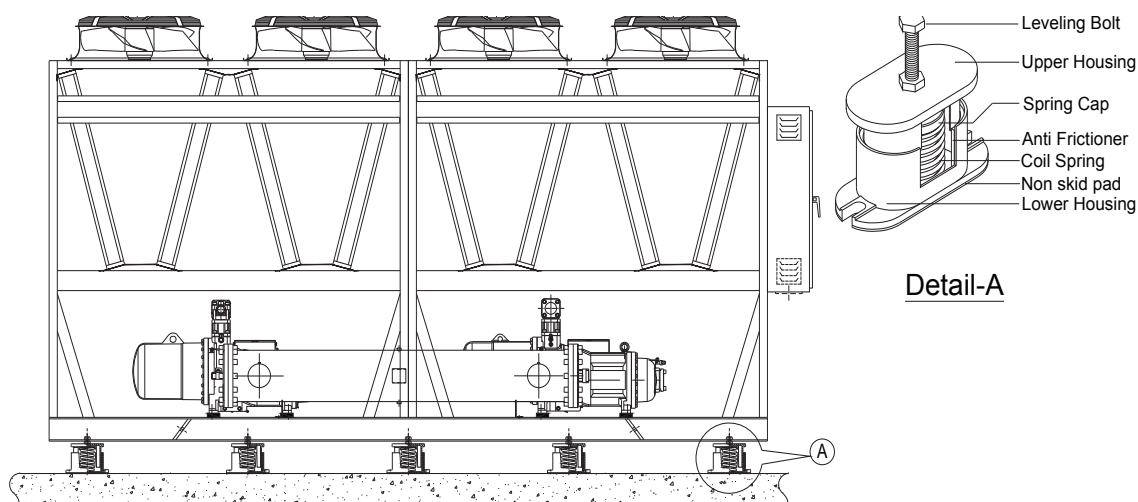
SKM recommends hiring services of water treatment specialist to determine the type of necessary treatment. Improper or untreated chilled water leads to scaling, erosion, corrosion or algae that can cause inefficient operation and tube damage.

SKM will not be liable for damages caused by improper or untreated chilled water.

Vibration Isolation

For installation on the ground, a strong concrete base, at least 250 mm thickness and wider than the unit must be provided. This base must be able to support the weight of the unit. The unit must be installed above anti-vibrating mounts, rubber or spring types. The unit frame must be perfectly levelled above the anti-vibrating mounts. Selection including number of and installation of anti-vibration mounts rubber or spring types to be based on the weight of the unit and anti-vibrating mounts, rubber or spring vibration isolator specification data sheet.

It is recommended to install under the base of the unit a vibration isolation of rubber-in-shear or spring type for further reduction of sound and vibration transmission to building structures. Vibration isolators must be correctly designed for each mounting loads of the unit. Refer to unit certified drawing for operating weight at each mounting points.



Note :

SKM can supply CAVM Spring type Anti-vibration mounts (optional). The CAVM has a deflection of 25mm and each rated load can be distinguished easily as it is represented by different colours.



Water Loop Volume

In chilled water system, presence of sufficient volume of water in the piping system is crucial to achieve proper operation, unfortunately, some systems will run with less water volume than needed, this will result in inconsistent system operation and uncontrolled compressor cycling, this condition is called “Short water loop”.

If our building for example didn't provide enough water volume to achieve stable controls, a storage tank should be installed to increase the water volume.

In a standard air conditioning application, the tank should be sized to attain at least 2.5-4 minutes water loop, at nominal condition (ambient air temperature of 95°F and evaporator water entering/leaving temperature of 54°F / 44°F) and 6 minutes water loop for process cooling systems.

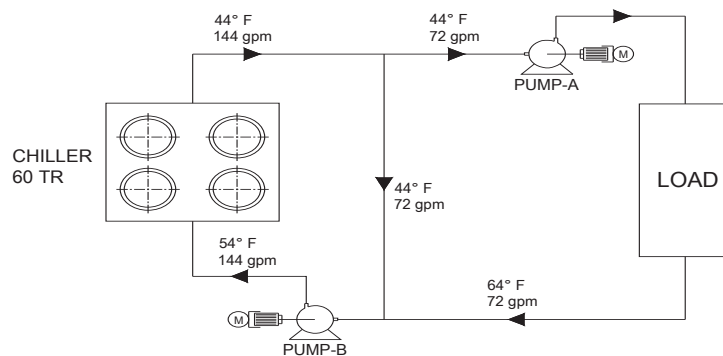
Having enough water loop time, hence enough water volume in the evaporator loop will prevent irregular compressor cycling, which means smoother operation.

Evaporator Water Flow Rate and Temperature Range

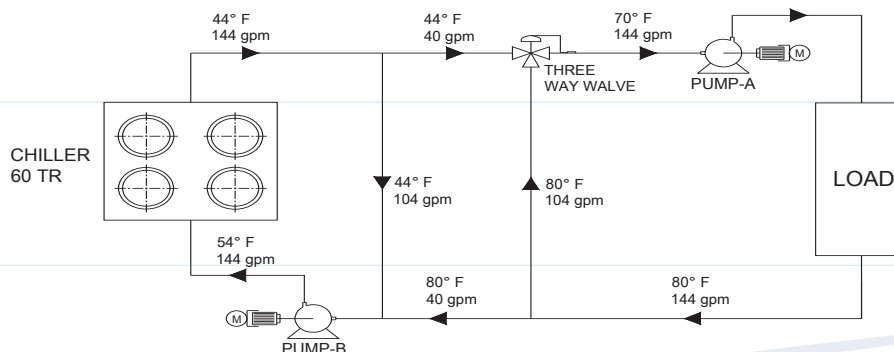
SKM Chiller can operate at wide evaporator temperature range, 6.00°F (3.33°C) - 16.20°F (9.00°C), within the water flow rate limits, and is flexible enough to permit leaving water temperatures ranging from 40°F (4.4°C) - 50°F (10°C). The minimum and maximum water flow rates of each evaporator are shown in the Evaporator Water Pressure Drop table.

Although in a lot of process cooling applications, it could be found that the flow rates or leaving temperatures are outside the specified limits, however this can be solve by making changes in the chilled water piping arrangement.

EVAPORATOR WATER FLOW RATE OUTSIDE OF SPECIFIED LIMITS



EVAPORATOR WATER TEMPERATURE OUTSIDE OF SPECIFIED LIMITS



Unit Sizing

It is strongly recommended to size the chiller for the present load. For future expansion, it is recommended to install another chiller to meet the additional load demand.

Over sizing of chillers by more than 10% at design conditions must be avoided. Over sizing causes energy inefficiency (more power consumption), erratic system operation and shortened compressor life due to excessive cycling of compressors.

Multiple Chiller Operation

If the capacity requires installing more than one chiller unit or where standby units are desired, units should be of equal size (or near) to ensure balanced water flow.

SKM recommends that water flow supply & return are connected either parallel in case of range < 16°F (8.9°C) or in series if range > 16°F (8.9°C).

Chilled Water Piping for Typical Multiple Chiller Installation

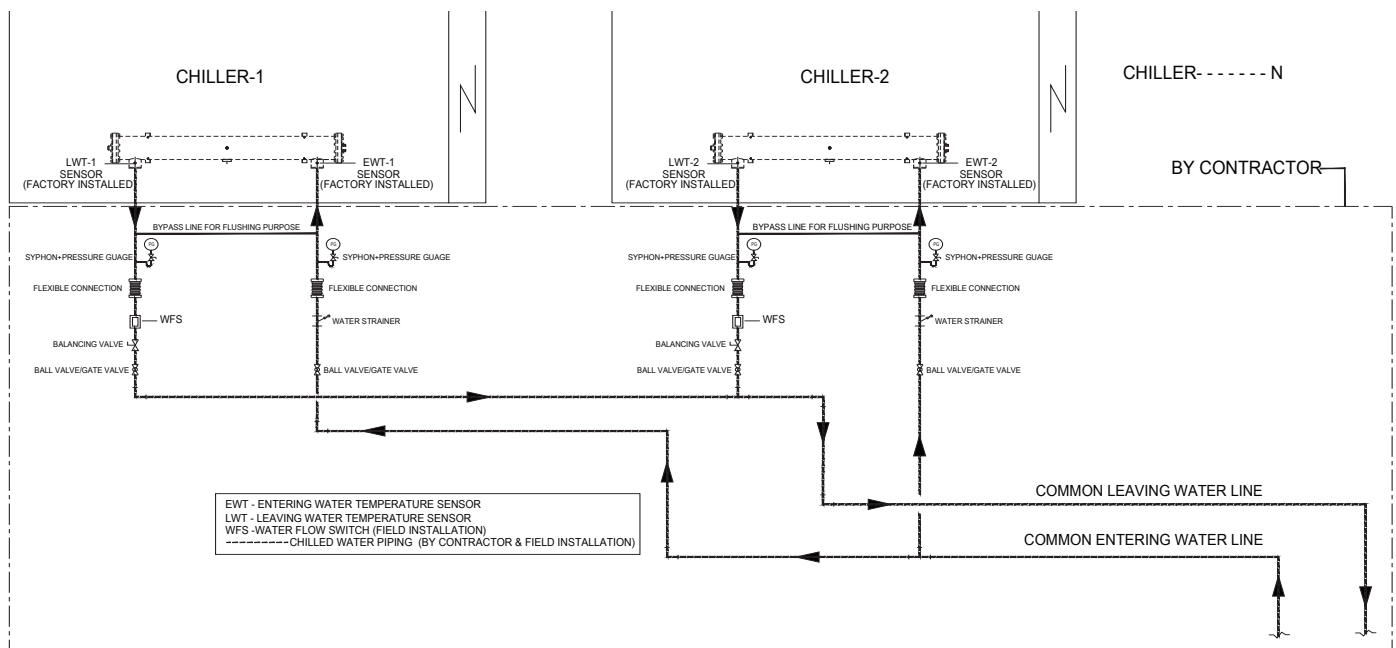


Figure C



GUIDE SPECIFICATIONS

GENERAL

The contractor shall supply and install factory assembled air-cooled packaged water chillers, the number and capacity of which shall be as indicated in the capacity schedule shown on the drawings.

Each machine shall consist of at least one refrigerating circuit comprising of semi hermetic compact screw compressor(s), air-cooled condenser, evaporator, interconnecting refrigerant piping, controls, safety devices and accessories.

The machine shall be factory assembled, leak tested, evacuated and completely charged with refrigerant R-134a. All factory wiring and piping shall be contained within the machine enclosure. All electrical components shall be protected from the weather.

Air cooled chillers shall be rated in accordance with AHRI-550/590. Each machine shall be capable of operating satisfactorily in a wide range of ambient air temperatures ranging from 25°F (-4°C) to 125.6°F (52 °C).

Unless indicated otherwise on electrical wiring diagram, each unit shall be factory equipped to connect to only one electrical power feeder with the necessary circuit breakers.

Each unit shall be mounted on anti vibration isolators flexible enough to dampen any vibrations.

QUALITY ASSURANCE

Chillers shall be designed and manufactured as per SKM Quality, Environment, Occupational, Health and Safety Management System that confirms with ISO 9001:2015, ISO 14001:2015, and ISO 45001:2018.

Chillers shall be certified in accordance with the AHRI Air-Cooled Water-Chilling Packages Certification Program, which is based on AHRI Standard 550/590 (I-P) and AHRI Standard 551/591(SI).

Chillers shall be design in accordance to ASHRAE 90.1 (Energy Standard for Buildings Except Low-Rise Residential Buildings).

Unit construction shall be designed and manufactured in accordance with following European directives:

2006/42/EC Machinery Directive
97/23/EC Pressure Equipment Directive
2006/95/EC Low Voltage Equipment
2004/108/EC Electromagnetic Compatibility
IEC 60335-2-40

COMPRESSOR

Compressor shall be high performance and high efficiency screw type. The compressor shall be driven by an electric motor in a single housing. For stability and additional sound attenuation, the rotors shall be mounted in a double wall housing.

The compressor motor shall be refrigerant gas cooled. Each compressor shall be mounted on anti-vibration mounts to minimize vibration transmission.

Compressor shall have discharge stop off valves, built in three-stage oil separator, oil heater, oil sight glass, oil drain service valves and discharge check valve.

Compressor shall have automatic start unloading and shall have infinite capacity control. Each compressor shall be provided with safety devices including check valve in discharge gas outlet, motor winding temperature protection by integrated PTC sensors in each winding, phase sequence protection for direction of rotation, discharge temperature protection, oil pressure and oil level protection.

All compressors shall be provided with star-delta starter and an individual 3 pole MCCB for short circuit protection & Isolation. Individual 3 pole contactors for switching of the compressors shall be rated for AC3 duty

EVAPORATOR

The evaporators shall be direct expansion shell and tube with removable head. Evaporator shell is made of carbon steel, tubes of copper fixed to steel end plates, baffles are provided in the water flow to increase heat transfer efficiency. Evaporators are provided with drain and vent plugs. Evaporator shell is insulated with 3/4" (19mm) thick flexible closed cell insulation, K factor 0.28 Btu. in/ft².h.°F (0.04W/m.°K).

Maximum working pressure of waterside is 145 psig (1000 kPa) and refrigerant side is 239.3 psig (1650 kPa).

CONDENSER COIL

Condenser coil shall be air cooled and shall be constructed of seamless Hi-X copper tubes, maximum 4 rows deep, 3/8" (9.52 mm) O.D. and mechanically bonded to the wavy type aluminum fins .

Fins spacing shall be maximum 14 FPI (1.81 mm). Slit fins shall not be accepted. Aries or precoated fins shall be used for saline and corrosive environment.

The coils shall be tested against leakage by air pressure of 525 psig (3620 kPa) under water.

GUIDE SPECIFICATIONS

CONDENSER FAN

The machine shall be furnished with direct driven propeller type discharging air upward condenser fans. Fans shall be constructed of corrosion resistant blades such as heavy gauge aluminum. The fan and drive shall be held in proper alignment. Fan assemblies shall be provided with heavy gauge, rust resistant steel. The fan assembly shall be protected with an acrylic coated steel wire fan guard. All condenser fans shall be individually statically and dynamically balanced for vibration free operation.

Condenser fan motor shall be Totally Enclosed Air Over (TEAO), 3-phase type, 6 poles with Class F insulation, Class B temperature rise and IP55 protection. Also, Motor shall be with permanently lubricated bearings and inherent corrosion resistance shaft.

Condenser fan motors shall be provided with individual 3 pole motor protector circuit breakers and contactor rated for AC3 duty operation.

EXPANSION VALVE

Expansion valve shall be electronic type for precise control refrigerant mass flow. Our electronic expansion valve improves EER (Energy Efficiency Ratio) at full & part-load condition. Also it improves temperature control & increases the range of operating conditions.

REFRIGERANT PIPING

The refrigeration circuit piping shall be fabricated from ACR grade copper piping. Each refrigeration circuit includes filter drier, electronic expansion valve, and shut off valve. The refrigeration circuit suction line is insulated with ½" (13mm) wall thickness closed cell pipe insulation.

CASING AND STRUCTURE

The unit casing shall be made of zinc coated galvanized steel sheets conforming to JIS-G 3302 and ASTM A653 which is phosphatized and baked after an electrostatic powder coat of approximately 60 microns. This finish and coating can pass a 1000 hours in 5% salt spray testing at 95°F (35°C) and 95% RH as per ASTM B117.

The units are assembled on rigid structural steel skid channels painted with one coat galvanized primer and one coat black enamel. The package is assembled for easy handling during transportation and robust support during installation and operation. of rust-preventing black enamel.

CONTROL PANEL & CONTROLS

Control panel enclosure shall be fabricated out of heavy gauge steel in phosphatized, powder coated baked finish. The enclosure shall be conformed to IP54 as per guidelines in IEC 529. A hinged access door and key fastener shall be provided for easy access and security.

The control panel shall be ventilated using louvers and filters. The panel shall be factory wired in accordance with NEC 430 & 440, labeled, tagged and have 1 phase, 220 / 240 V for controls.

Control Panel should include the following components as minimum :

- Individual compressor and condenser fan motor contactors.
- Thermal magnetic circuit breakers for compressors and condenser fan motors.
- Voltage monitoring module for protection against under voltage, over voltage, phase loss, phase reversal and phase unbalance of the incoming voltage.
- Circuit breaker for control circuit.
- Remote/Off/Local selector switch.
- Microprocessor master board with graphical display.
- Microprocessor expansion boards as required.
- Electronic expansion valve control boards.
- Control Relays.
- Control circuit on/off switch and pump down switches.
- Volt free contacts for run, common fault and auto mode indications.
- Provision for accepting volt free contact for remote start/ stop.
- Control terminal blocks and power terminal blocks/bus bars.

A Microprocessor must be provided to control the chiller as a standard. The controller shall provide the flexibility with set points and control options that can be selected prior to the commissioning. The microprocessor shall provide a complete operational control for the chiller and shall have built-in auto diagnostic capability that can signal off normal operation or alarm conditions as well as shutting down the chiller.

The Master Micro Controller board shall have sensor inputs, digital inputs, relay outputs 0-10 Vdc analog outputs, keypad, graphics LCD with 2.8" diagonal viewing area, real time clock, RS-232, RS-485 and ethernet communication ports.



GUIDE SPECIFICATIONS

THE MAIN FEATURES OF THE CONTROLLER SHALL BE AS FOLLOWS :

- A large graphical display with backlit that can be seen in bright or dim lighting..
- A user friendly nine button generic keypad.
- Battery backed up built-in real time clock to program two start/stop daily and provide the information of running hours of the compressors.
- A multiple level passwords for security.
- Automatic lead/lag changeover of the compressors.
- Pump down at the beginning and end of every circuit cycle.
- Capacity control based on leaving chilled water temperature.
- Remote Start/Stop facility through Volt Free Contact.
- Volt Free Contacts for common Run, Fault and Remote mode operation status.

EASY ACCESSIBLE MEASUREMENTS SHALL INCLUDE THE FOLLOWING :

- Status of the chiller.
- Status of each circuit/compressor.
- Status of condenser fans.
- Leaving and Entering chilled water temperature.
- Suction pressure and temperature for each refrigerant circuit.
- Discharge pressure and temperature for each refrigerant circuit.
- Suction and discharge superheat for each refrigerant circuit.
- Winding temperature for each compressor.
- Ampere draw for each compressor.
- Expansion valve opening percentage.
- Ambient temperature.
- All active set points.
- Run time for each compressor.
- Number of compressor starts.

- Lockout and alarm status.
- Status of water flow switch, voltage monitor, compressor internal motor protector, oil level switch, run/stop input and pump down switches.
- Log of last 100 alarms.
- Lead compressor identification.
- Date and time.
- Graphs of all inputs and outputs.

THE FOLLOWING SYSTEM PROTECTION CONTROLS SHALL AUTOMATICALLY ACT TO ENSURE SYSTEM RELIABILITY AND PROTECTION OF THE UNIT THROUGH THE MICROPROCESSOR:

- Low suction pressure protection.
- High discharge pressure protection.
- High discharge temperature protection.
- Low discharge pressure protection.
- Low oil level protection.
- High compressor motor winding temperature protection.
- Low superheat protection.
- High compressor ampere protection.
- Compressor internal thermal protection.
- Freeze protection.
- Under voltage, over voltage, phase loss, phase reversal and phase unbalance protection.
- Chilled water flow loss protection.
- Sensor error protection.
- Pump down.
- Anti-recycle.
- Time delay between stages.
- 4-Levels of passwords to restrict the intentional mishandling.

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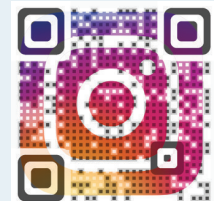
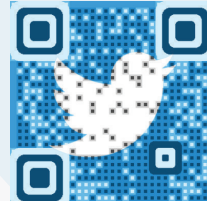
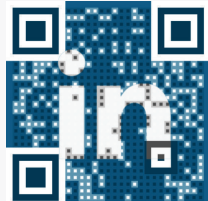


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