

# Shelf Units

2, 3, and 4 ton

R-407C



ISO 9001 Certified





... the pioneer and builder of the  
most complete line of  
precision cooling equipment

Data Aire's first precision cooling system was developed by data processing engineers who sought optimum environmental conditions for early computers. It was clear that "people comfort" air conditioning systems were unable to meet the environmental requirements of computers and data processing equipment. Precision environmental control equipment with high sensible cooling ratios was a necessity. Problems with paper sticking, head crash, and static electricity were eliminated. Humidity fluctuations were controlled, saving possible electrical and mechanical failures and more importantly – Downtime. Data Aire's innovative response to the challenge of eliminating problems within the computer room environment was the start of wide use precision cooling.

As in the past, Data Aire is meeting today's challenge of not only the computer room but also the ever expanding telecommunications industry where precision cooling is vital to our everyday communications. Telecommunication equipment requires a controlled environment with clean and properly distributed air. As in the computer room, the environment must be precisely controlled – 24 hours a day, 365 days a year.

Data Aire produces solutions. We have offered environmental control solutions to meet specific needs in the smallest of places and in areas of thousands of square feet. We are prepared to assist you, your in-house engineering department, consulting engineer, or construction department in defining the proper solutions and bringing them to a predefined outcome.

Data Aire is committed to being the supplier of choice for environmental process cooling with flexibility, reliability, and expertise required to meet our customer's needs. To be successful, it is essential to be creative and use our resources to their fullest capabilities. The Data Aire goal is to benefit the employees, partners, and most of all – our customers with honesty and integrity.

Data Aire Delivers!



**SHELF UNITS**

*2, 3, and 4 Ton Capacities*

Designed for vault and shelter applications, Data Aire’s Shelf Unit offers an unsurpassed combination of features and options along with a high standard of performance. Shelf Units meet the demands of telephone and electronic equipment sites in a compact design. Engineered and built by the people who introduced computer room air conditioning, the Shelf Unit offers quality at a competitive price. Each unit comes with Data Aire’s commitment to excellence which began with our first air conditioner and has been tested and proven for more than thirty years.

Shelf Units are available in 2, 3, and 4 nominal ton capacities in air cooled split systems or water cooled self-contained systems. Air cooled systems are available with either an indoor condenser or condensing unit or remote outdoor air cooled condenser or condensing unit.

The Shelf Unit is not a standard unit shipped from stock. Each unit is built to the site specification and is shipped in ten working days from date of order. An optional “Quick Ship” premium program is available in order for units to ship in as little as one week.

**CONTROLS**

Precise temperature regulation is provided by a built-in control system. All electrical components, including capacitors, contactors, relays, and control transformers are pre-wired and contained in an electrical box that is hinged and swings out for easy access and servicing. A factory installed microswitch will disable the unit prior to condensate pan overflow should the drain become plugged with debris. Units with the optional Mini dap4 have a condensate pan high water level alarm standard.

Units are shipped with a thermostat and sub-base.

**CABINET**

Shelf Units are constructed with tubular steel frames for strength and service access. Removable panels of galvanized steel are lined with insulation for quiet and efficient operation. Units are designed for wall mount application. A unit mounted filter section with a 20” x 25” x 4” pleated filter is provided.

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**AIR COOLED with INDOOR  
CONDENSING UNIT**

**Evaporator Section** - The evaporator section is a draw-through type with double width, double inlet blower with belt drive, and variable pitch sheave. The self-aligning ball bearings are rated for a minimum life of 100,000 hours. The evaporator coil is constructed of copper tubes and aluminum fins. The expansion valve with external equalization is contained in the evaporator section. A stainless steel drain pan is standard.

**Condensing Unit** - The condensing unit contains a scroll compressor with crankcase heater, filter drier, sight glass, and condenser coil. The condenser coil is constructed with copper tubes and aluminum fins. The condenser blower is double inlet, double width with belt drive, and variable pitch sheave.

Field piping and wiring is required between the indoor evaporator and condensing unit sections.

(See drawing # 540-900-030)

**AIR COOLED with INDOOR CONDENSER**

**Evaporator/Compressor Section** - The evaporator section is a draw through type with double width, double inlet blower with belt drive, and variable pitch sheave. The self-aligning ball bearings are rated for a minimum life of 100,000 hours. The evaporator coil is constructed of copper tubes and aluminum fins. The expansion valve with external equalization is contained in the evaporator section. A stainless steel drain pan is standard. The condensing section includes a scroll compressor with crankcase heater, filter drier, and sight glass.

**Condenser Section** - The condenser section includes a condenser coil and condenser blower. The condenser coil is constructed of copper tubes and aluminum fins. The blower is double inlet, double width with belt drive and variable pitch sheave.

Field piping and wiring is required between the indoor evaporator/compressor and the condenser sections.

(See drawing # 540-900-032)

**AIR COOLED with OUTDOOR  
CONDENSING UNIT**

**Evaporator Section** - The evaporator section is a draw-through type with double width, double inlet blower with belt drive and variable pitch sheave. The self-aligning ball bearings are rated for a minimum life of 100,000 hours. The evaporator coil is constructed of copper tubes and aluminum fins. The single stage refrigeration circuit includes an expansion valve with external equalization. A stainless steel drain pan is standard.

**Outdoor Condensing Unit** - The condensing unit contains a scroll compressor with crankcase heater, filter drier, sight glass, and condenser coil. The condenser coil is constructed with copper tubes and aluminum fins. The galvanized steel housing and fan guard are powder coated for longer life. Air discharge is vertical. The condenser fan is variable speed for head pressure control to -20° F ambient conditions.

Field piping and wiring is required between the indoor evaporator section and the outdoor condensing unit.

(See drawing # 540-900-034)

**AIR COOLED with OUTDOOR  
CONDENSER**

**Evaporator/Compressor Section** - The evaporator section is a draw through type with double width, double inlet blower with belt drive, and variable pitch sheave. The self-aligning ball bearings are rated for a minimum life of 100,000 hours. The evaporator coil is constructed of copper tubes and aluminum fins. The expansion valve with external equalization is contained in the evaporator section. A stainless steel drain pan is standard. The compressor section includes a scroll compressor with crankcase heater, filter drier, and sight glass.

**Outdoor Condenser Section** - The outdoor condenser includes a condenser coil, integral factory wired panel, and condenser fan motor. The condenser coil is constructed of copper tubes and aluminum fins. The thermally protected fan motor is variable speed for head pressure control to -20° F ambient conditions. The galvanized steel housing is powder coated for longer life.

Field piping and wiring is required between the indoor evaporator/compressor section and the outdoor condenser.

(See drawing # 540-900-036)

### **WATER COOLED SYSTEMS**

Self-contained. The cabinet houses the evaporator section, evaporator blower assembly, and filter section. The evaporator coil contained in each unit is constructed with copper tubes and aluminum fins mounted in a stainless steel drain pan. The single refrigeration circuit includes a scroll compressor with internal protection and crankcase heater. The circuit includes an expansion valve with external equalizer, filter drier, sight-glass, and high and low pressure safety switches. In addition, a high efficiency coaxial condenser with head pressure activated 2-way water regulating valve is built into the refrigeration system and is contained in the evaporator section. The blower assembly is a draw-through type with a centrifugal, forward curved, double width, double inlet blower configuration engineered for quiet, reliable operation. The belt driven variable pitch drive provides adjustable air flow capability to match the requirements of the controlled space. The draw-through design insures even air distribution across the coil, low internal cabinet losses, and static sealing of the filter section. The motor has internal overload protection and is mounted on an adjustable slide base.

*Note: A fluid cooler or water cooling source is required.*

*(See drawing # 540-900-038)*

### **CHILLED WATER SYSTEMS**

**Blower Section/Coil Section** - The blower section contains a double width, double inlet blower with belt drive and a variable pitch sheave, and blower motor. The self-aligning ball bearings are rated for a minimum life of 100,000 hours.

The chilled water coil and chilled water valve are housed in the blower section as well. The chilled water coil is constructed of copper tube and aluminum fins. Utilizing chilled water from an existing chilled water loop, water flow is controlled by a 2-way valve for accurate and economical temperature control and dehumidification. The drain pan is constructed from stainless steel.

*(See drawing # 540-900-040)*

## SYSTEM CONTROLLER

Unit control is maintained with the microprocessor based *Mini dap<sup>TM</sup>4*. The *Mini dap4* is an advanced controller with 50 MHz, 32 bit microprocessor and is comprised of three components, a wall mounted display module, a control module mounted inside the unit and a remote temperature and humidity sensor. The *Mini dap4* monitors the controlled environment's temperature, humidity, air flow, and cleanliness, but also provides alarm history and an automatic self-test of the microprocessor on system start-up. Multiple messages are displayed by automatically scrolling from each message to the next. All messages are presented in a clear vernacular format on the liquid crystal display (LCD). Multiple alarms are displayed sequentially in order of occurrence.

*OPERATION* - Holding down the "ESC" button for a minimum of five seconds activates the *Mini dap4*, push buttons allow menu selection for programming, operational information, diagnostics, and historical data. The two-level password feature prevents unauthorized access. Menu programmed information for basic system operation and alarm parameters is nonvolatile.

### *PROGRAMMABLE FUNCTIONS :*

Temperature Setpoint	Temperature Deadband
System Start Delay	Low Temperature Alarm Limit
Humidity Deadband	Humidity Setpoint
High Humidity Alarm Limit	Low Humidity Alarm Limit
Define Password	Reset Equipment Runtimes
Audio Alarm Mode	Compressor Short Cycle Alarm
Humidity Anticipation	Compressors(s)
Calibrate Temperature Sensor	Temperature Scale
High Temperature Alarm Limit	Water Valve Voltage Range*
Firestat Temperature Alarm Limit	Manual Diagnosis
No water flow alarm action*	Remote Alarm contacts
Calibrate Discharge Air Sensor*	Person to contact on Alarm
Compressor Lead/Lag Sequence*	Dehumidification Mode
Power Problem or Restart Mode	Scheduled Normal Maintenance
Reheat mode	Calibrate Humidity
Humidifier	Compressor Assists to Energy Saver*
Network Protocol	Low Discharge Temperature Alarm Limit*
Calibrate Chilled Water Temperature Sensor*	

### *DISPLAYED CONDITIONS, DATA, and FUNCTIONS:*

Temperature setpoints	Humidity setpoint
Current temperature	Current humidity
Cooling 1, 2 (as applicable)	Reheat
Humidification	Dehumidification

*ALARMS* - Alarm conditions are displayed and monitored on the microprocessor LCD along with an audible alarm. The alarm silence switch will quiet the audible alarm but the display will continue to indicate the alarm condition until it is corrected. The following alarms are displayed:

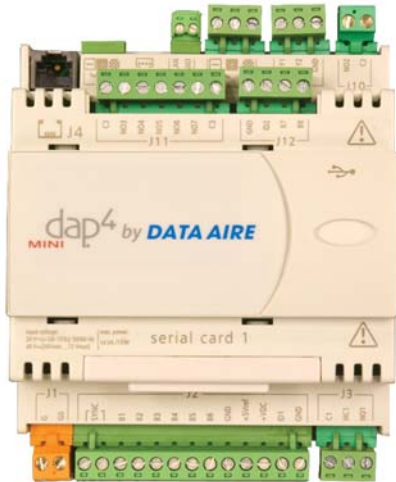
High temperature warning	High humidity warning
Low temperature warning	Low humidity warning
High pressure compressor	High condensate water level
Firestat tripped	No air flow
Compressor short cycle	Low voltage warning
Temperature sensor error	Power failure restart
Humidity sensor error	Local alarms

## SYSTEM CONTROL - continued

### HISTORICAL DATA:

High/low temperature last 24 hours	High/low humidity last 24 hours
Blower, compressor 1, compressor 2*, reheat, dehumidification, Energy Saver*,	
Equipment runtimes for:	
Humidifier, and chilled water *	Low temperature last 24 hours
Alarm history (last 100 alarms)	High humidity last 24 hours

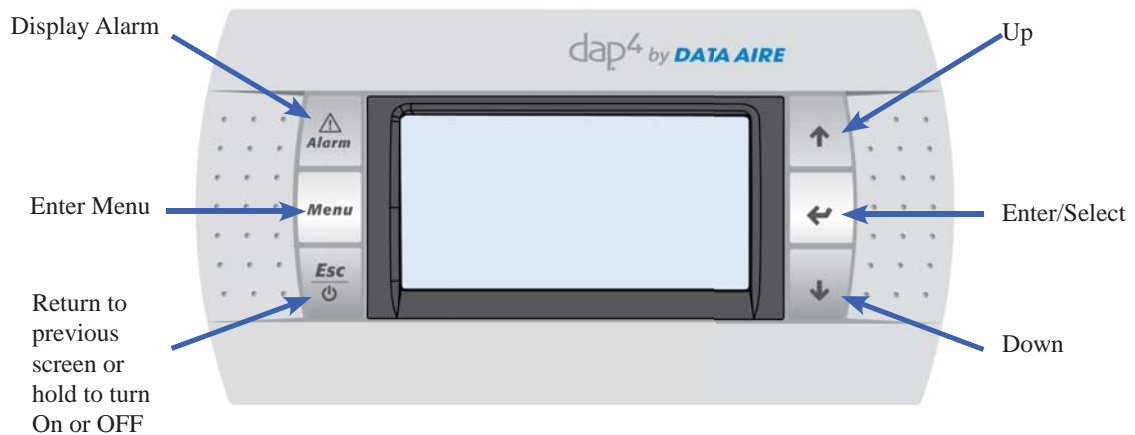
### Control Module









### Temperature and Humidity Sensor



### Display Module



### Button Functions

	Allows viewing of active alarms Silences audible alarms Resets active alarms		Allows scrolling to next screen Allows values changes (increase)
	Allows entry to Main Menu		Allows entry to Menus Advances cursor
	Return to previous screen Hold five seconds to turn ON or OFF		Returns to previous screen Allows value changes (decrease)



## OPTIONS

**Steam Generator Humidifier** - An electric steam generator humidifier with disposable cylinder and self-regulating auto flush is available. Units with steam generator humidifier require the *Mini Data Alarm Processor-II*. A five pound per hour humidifier may be added on all units (2.5 - 5 tons). A 10 pound per hour humidifier is also available on the 4 and 5 ton size units.

The 10 pound per hour humidifier can also be ordered with modulating control. Modulation feature allows the humidifier to match its output to the signal from the humidity control.

**Hot Water Reheat** - Where hot water is available, a water coil for reheat may be ordered. The coil is designed for 15 PSI maximum water pressure and includes a 2-way valve. Units with hot water reheat do not include electric reheat.

**Hot Gas Reheat** - The unit's hot gas discharge may be used for reheat and maximum system efficiency. Electric reheat is eliminated. *NOTE:* Hot gas reheat option is not available with all configurations (consult factory on unit availability). The next size motor selection is recommended.

**Disconnect Switch** - A unit mounted disconnect switch with 1/4 turn latch may be added. The switch must be in the "OFF" position to remove panel and access electrical compartment.

**Separate Power Source** - Indoor split systems may be ordered with separate power feeds. A power connection is provided for both the evaporator section and/or condenser/condensing unit.

**Hot Gas Bypass** - Hot gas bypass is available for either packaged or split systems. A hot gas bypass valve is available for applications that create low suction pressure conditions that could lead to coil freeze and/or compressor cycling. In facilities such conditions generally exist in instances where; 1) a unit's dehumidification mode needs to run for extended period of time; or 2) a room is designed for low entering air conditions; or 3) a unit is utilizing an oversized condenser at low outdoor ambient conditions.

When the system suction pressure is high enough it will maintain pressure on the leaving side of the hot gas bypass valve to keep the valve port closed. Should the suction pressure decrease below the desired setting, the pressure from the suction line forces the diaphragm, which off-sets the spring pressure, allowing the spring to push the valve open. The opening of this valve allows some hot gas to mix with the refrigerant in the suction line raising the evaporator pressure. This increases the suction pressure in the system back to the desired setting. The hot gas bypass can be manually adjusted within a certain range to fine tune the unit to a desired suction pressure in the field.

**Unit Mounted Receiver** - Unit mounted receiver in compressor section with pressure control and liquid line solenoid valve. Receiver allows unit to operate down to -30° F/34.4° C. *NOTE:* Only available on units with remote outdoor condenser sections.

**Remote Receiver** - Insulated receiver with head pressure control valve. Liquid line solenoid valves are included. *NOTE:* Consult with factory on runs exceeding 50 feet.

**3-Way Water Regulating Valve** - A 3-way pressure control valve replaces the standard 2-way valve.

**3-Way Chilled Water Valve** - A 3-way chilled water valve replaces the standard 2-way valve.

**Condensate Pump** - Ships loose for field installation. Available in 115 or 230 volt. Power source is required. Pump body should be placed exterior to the unit. Pump has maximum of 8 feet head.

**High Efficiency Filters** -MERV 11 efficient filters (ASHRAE Std. 52.2) are available to replace standard MERV 8 rated filters.

**Extended Compressor Warranty** - An additional four year compressor warranty may be added to supplement standard one year warranty.

**AIR COOLED: Performance Data**

<i>MODEL</i>		<i>DASA-02</i>	<i>DASA-03</i>	<i>DASA-04</i>
<b>CAPACITY in Btu/hr - Gross</b>				
80° DB/67° WB	Total	24,800	36,200	51,000
	50% RH Sensible	18,900	27,300	38,800
75° DB/62.5° WB	Total	22,900	33,600	47,300
	50% RH Sensible	18,200	26,400	37,600
75° DB/61° WB	Total	22,200	32,600	46,000
	45% RH Sensible	19,500	28,200	40,100
72° DB/60° WB	Total	21,800	32,000	45,100
	50% RH Sensible	17,800	25,900	36,800
72° DB/58.6° WB	Total	21,200	31,200	43,900
	45% RH Sensible	19,000	27,600	39,200

<b>BLOWER SECTION</b>				
Airflow - CFM		800	1,200	1,600
Standard evaporative motor - horsepower		1/2	3/4	1
External Static Pressure (E.S.P.) - inches of W.G.		0.5	0.5	
Number of motors/fans		1/1	1/1	1/1
Next size motor - horsepower		3/4	1	1-1/2

<b>CONDENSER SECTION</b>				
	(Indoor Units Only)			
Airflow - CFM		1,200	1,700	2,200
Standard condenser motor - horsepower		3/4	1	1-1/2
E.S.P. - inches of W.G.		0.5	0.5	0.5
Next size condenser motor - horsepower		1	1-1/2	2

<b>EVAPORATOR COIL</b>				
Face area - sq ft		2.4	2.4	3.7
Rows of coils		4	4	5
Face velocity -fpm		333	500	432

<b>CONDENSER COIL</b>				
	(Indoor units only)			
Face area - sq ft		2.9	2.9	4.4
Rows of coils		6	6	6
Face velocity -fpm		414	586	500

<b>COMPRESSOR</b>				
Type		Scroll	Scroll	Scroll
Refrigerant		R-407C	R-407C	R-407C

## AIR COOLED: Performance Data

<b>MODEL</b>	<b>DASA-02</b>	<b>DASA-03</b>	<b>DASA-04</b>
<b>FILTER SECTION</b>			
Quantity	1	1	1
Size - inches	20x25x4	20x25x4	20x25x4
Efficiency - MERV	8	8	8
(Note: Efficiency based on ASHRAE Std. 52.2)			
<b>REHEAT SECTION</b>		<i>(Optional)</i>	
Type	Electric	Electric	Electric
kW	6	6	6
Capacity - Btu/hr	20,460	20,460	20,460
<b>HUMIDIFIER SECTION</b> <i>(Optional Steam Generator)</i>			
Capacity - lbs/hr	5	5	5
kW	1.7	1.7	1.7
Capacity - lbs/hr	N/A	N/A	10
kW	N/A	N/A	3.2
<b>CONNECTION SIZES</b> (All units)			
Humidifier supply - O.D. Copper	1/4	1/4	1/4
Condensate drain - FPT	3/4	3/4	3/4
<b>CONNECTION SIZES*</b> (Split systems with condensing unit)			
Liquid line - O.D. Copper	1/2	1/2	1/2
Suction line - O.D. Copper	3/4	3/4	3/4
<b>CONNECTION SIZES*</b> (Split systems with condenser)			
Liquid line - O.D. Copper	1/2	1/2	1/2
Discharge line - O.D. Copper	1/2	1/2	1/2

\* The actual required field line sizes will not necessarily be the same as the above connection sizes.

For dimensional data refer to the following drawings:

DASA-xxxx-AI	Drawing 540-900-030 Drawing 540-900-031	DASA-xxxx-CI	Drawing 540-900-032 Drawing 540-900-033
DASA-xxxx-AO	Drawing 540-900-034 Drawing 540-900-035	DASA-xxxx-CO	Drawing 540-900-036 Drawing 540-900-037

**WATER COOLED: Performance Data**

<i>MODEL</i>		<i>DASW-02</i>	<i>DASW-03</i>	<i>DASW-04</i>
<b>CAPACITY in Btu/hr - Gross</b>				
80° DB/67° WB 50% RH	Total	25,800	39,600	53,200
	Sensible	19,300	28,600	39,700
75° DB/62.5° WB 50% RH	Total	23,800	36,700	49,400
	Sensible	18,700	27,700	38,400
75° DB/61° WB 45% RH	Total	23,200	35,700	48,000
	Sensible	19,900	29,500	41,000
72° DB/60° WB 50% RH	Total	22,700	35,000	47,100
	Sensible	18,300	27,200	37,700
72° DB/58.6° WB 45% RH	Total	22,100	34,000	46,000
	Sensible	19,400	28,800	40,000

**BLOWER SECTION**

Airflow - CFM	800	1,200	1,600
Standard evaporator motor - horsepower	1/2	3/4	1
External Static Pressure (E.S.P.) - inches of W.G	0.5	0.5	0.5

**EVAPORATOR COIL**

Face area - sq ft	2.4	2.4	3.7
Rows of coils	4	4	5
Face velocity - FPM	333	500	432

**CONDENSER**

Type	Coaxial	Coaxial	Coaxial
Water regulating valve	2-way	2-way	2-way
Size - inches	3/4	3/4	1
Maximum working pressure - psi	150	150	150

**CONDENSER WATER**

**Requirements at maximum pressure of 150 psi.**

Using 65° F EWT	GPM	2.6	3.9	5.2
	PSI	0.9	1.9	0.9
Using 75° F EWT	GPM	4.2	6.2	8.3
	PSI	1.6	5.8	1.5
Using 85° F EWT	GPM	6.0	9.0	12.0
	PSI	3.2	7.5	3.5
With Fluid Cooler	GPM	7.0	10.5	14.0
	PSI		4.0	8.0

**WATER COOLED: Performance Data**

<b>MODEL</b>	<b>DASW-02</b>	<b>DASW-03</b>	<b>DASW-04</b>
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<b>COMPRESSOR</b>
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Type	Scroll	Scroll	Scroll
Refrigerant type	R-407C	R-407C	R-407C

<b>FILTER SECTION</b>
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Type	Pleated	Pleated	Pleated
Quantity	1	1	1
Size - inches	20x25x4	20x25x4	20x25x4
Efficiency - MERV	8	8	8
(Note: Efficiency based on ASHRAE Std. 52.2)			

<b>REHEAT SECTION</b>
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(Optional)

Type	Electric	Electric	Electric
kW	6	6	6
Capacity - Btu/hr	20,460	20,460	20,460

<b>HUMIDIFIER SECTION</b>
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*(Optional Steam Generator)*

Capacity - lbs/hr	5	5	5
kW	1.7	1.7	1.7
Capacity - lbs/hr	N/A	N/A	10
kW	N/A	N/A	3.2

<b>CONNECTION SIZES*</b>
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Humidifier supply - O.D. Copper	1/4	1/4	1/4
Condensate drain - FPT	3/4	3/4	3/4
Condenser water - IN - O.D. Copper	3/4	3/4	1 1/8
Condenser water - OUT - O.D. Copper	3/4	3/4	1 1/8

\* The actual required field line sizes will not necessarily be the same as the above connection sizes.

For dimensional data refer to the following drawings:

DASW-xxxx	Drawing # 540-900-038
	Drawing # 540-900-039

**CHILLED WATER: Performance data at 45° F entering chilled water temperature**

<i>MODEL</i>		<i>DASC-02</i>	<i>DASC-03</i>	<i>DASC-04</i>
<b>CAPACITY in Btu/hr - Gross</b>				
80° DB/67° WB	Total	26,100	44,200	65,400
50% RH	Sensible	19,400	32,000	45,500
75° DB/62.5° WB	Total	20,500	34,600	50,800
50% RH	Sensible	17,500	28,800	40,600
75° DB/61° WB	Total	19,200	32,400	47,100
45% RH	Sensible	18,100	29,800	42,000
72° DB/60° WB	Total	17,600	29,700	43,300
50% RH	Sensible	16,100	26,600	37,400
72° DB/58.6° WB	Total	16,800	28,100	40,500
45% RH	Sensible	16,600	27,500	38,600
<b>CONDENSER WATER</b>				
Using 45° F EWT	GPM	6.0	9.0	12.0
	PD in PSI	1.2	2.8	6.5
<b>BLOWER SECTION</b>				
Airflow - CFM		800	1,200	1,600
Standard blower motor - horsepower		1/2	3/4	1
External Static Pressure (E.S.P.) - inches of W.G.0.5		0.5	0.5	
Number of motors/fans		1/1	1/1	1/1
Next size blower motor - horsepower		3/4	1	1-1/2
<b>CHILLED WATER COIL</b>				
Face area - sq ft		2.4	2.4	3.7
Rows of coils		4	4	5
Face velocity - fpm		333	400	320
<b>CHILLED WATER VALVE</b>				
Valve body		2-way	2-way	2-way
Valve size - inches		1	1	1
Maximum working pressure - PSI		150	150	150

**CHILLED WATER: Performance data at 45° F entering chilled water temperature**

<i>MODEL</i>	<i>DASC-02</i>	<i>DASC-03</i>	<i>DASC-04</i>
<b>FILTER SECTION</b>			
Quantity	1	1	1
Size - inches	20x25x4	20x25x4	20x25x4
Efficiency - MERV	8	8	8
(Note: Efficiency based on ASHRAE Std. 52.2)			
<b>REHEAT SECTION</b>			
Type	Electric	Electric	Electric
kW	6	6	6
Capacity - Btu/hr	20,460	20,460	20,460
<b>HUMIDIFIER SECTION</b>			
(Optional Steam Generator)			
Capacity - lbs/hr	5	5	5
kW	1.7	1.7	1.7
Capacity - lbs/hr	N/A	N/A	10
kW	N/A	N/A	3.2
<b>CONNECTION SIZES</b>			
Humidifier supply - O.D. Copper	1/4	1/4	1/4
Condensate drain - FPT	3/4	3/4	3/4
Chilled water supply - O.D. Copper	3/4	3/4	1 1/8
Chilled water return - O.D. Copper	3/4	3/4	1 1/8

For dimensional data refer to the following drawings:

DASC-xxxx	Drawing 540-900-040
	Drawing 540-900-041

**AIR COOLED: Electrical data - split indoor systems with single power source - CI**

**MODEL** **DASA-02** **DASA-03** **DASA-04**

Electrical data based on cooling only: electric reheat - **NO**, humidifier - **NO**, and STANDARD MOTOR.

208-230/1/60	FLA/MCA/MOP	20/22/30	28/32/45	30/35/50
208-230/3/60	FLA/MCA/MOP	14/16/20	20/22/30	23/27/30
460/3/60	FLA/MCA/MOP	6.9/7.8/15	9.8/11/15	11/13/20

Electrical data based on: electrical reheat - **YES**, 5 lb/hr steam generator humidifier - **YES**, and STANDARD MOTOR.

208-230/1/60	FLA/MCA/MOP	48/58/60	57/68/70	59/71/80
208-230/3/60	FLA/MCA/MOP	31/37/40	36/43/45	40/47/50
460/3/60	FLA/MCA/MOP	14/17/20	17/21/25	21/25/30

Electrical data bases on: electric reheat - **YES**, 10 lb/hr steam generator humidifier - **YES**, and STANDARD MOTOR.

208-230/1/60	FLA/MCA/MOP	N/A	N/A	59/71/80
208-230/3/60	FLA/MCA/MOP	N/A	N/A	40/47/50
460/3/60	FLA/MCA/MOP	N/A	N/A	21/25/30

Electrical data based on: electric reheat - **NO**, 5 lb/hr steam generator humidifier - **YES**, and STANDARD MOTOR.

208-230/1/60	FLA/MCA/MOP	28/32/40	36/42/50	38/45/60
208-230/3/60	FLA/MCA/MOP	22/26/30	28/33/40	31/37/45
460/3/60	FLA/MCA/MOP	11/12/15	14/16/20	17/20/25

Electrical data based on: electric reheat - **NO**, 10 lb/hr steam generator humidifier - **YES**, and STANDARD MOTOR.

208-230/1/60	FLA/MCA/MOP	N/A	N/A	47/55/70
208-230/3/60	FLA/MCA/MOP	N/A	N/A	39/47/50
460/3/60	FLA/MCA/MOP	N/A	N/A	19/22/25

Electrical data based on: electric reheat- **YES**, steam generator humidifier - **NO**, and STANDARD MOTOR.

208-230/1/60	FLA/MCA/MOP	48/58/60	57/68/70	59/71/80
208-230/3/60	FLA/MCA/MOP	31/37/40	36/43/45	40/47/50
460/3/60	FLA/MCA/MOP	14/17/20	17/21/25	21/25/30

**STANDARD MOTOR**

Evaporator

Horsepower		1/2	3/4	1
208-230/1/60	FLA	3.4	5.3	6.8
208-230/3/60	FLA	2.2	3.0	3.6
460/3/60	FLA	1.1	1.5	1.8

**CONDENSER FAN MOTOR**

Horsepower		3/4	1	1-1/2
208-230/1/60	FLA	5.3	6.8	8.8
208-230/3/60	FLA	3.0	3.6	4.8
460/3/60	FLA	1.5	1.8	2.8

**COMPRESSOR DATA**

Tons		2	3	4
208-230/1/60	FLA	10.9	16.0	19.2
208-230/3/60	FLA	7.1	10.3	14.7
460/3/60	FLA	3.5	5.1	7.1

All selections are based on using standard horsepower condenser motor

FLA - Full load amps MCA - Minimum circuit amps (wire sizing amps) MOP - Maximum rating of the overcurrent protective device



**AIR COOLED: Electrical data - split indoor systems with single power source - CI**

**MODEL** **DASA-02** **DASA-03** **DASA-04**

Electrical data based on cooling only: electric reheat - **NO**, steam generator humidifier - **NO**, and NEXT SIZE MOTOR.

208-230/1/60	FLA/MCA/MOP	21/24/30	29/33/45	33/37/50
208-230/3/60	FLA/MCA/MOP	15/17/20	20/23/30	24/28/40
460/3/60	FLA/MCA/MOP	7.3/8.2/15	10/11/15	12/14/20

Electrical data based on: electrical reheat - **YES**, 5 lb/hr steam generator humidifier - **YES**, and NEXT SIZE MOTOR.

208-230/1/60	FLA/MCA/MOP	50/60/70	58/69/70	60/72/80
208-230/3/60	FLA/MCA/MOP	31/37/40	37/44/50	39/47/50
460/3/60	FLA/MCA/MOP	15/18/20	18/21/25	20/24/25

Electrical data based on: electric reheat - **YES**, 10 lb/hr steam generator humidifier - **YES**, and NEXT SIZE MOTOR.

208-230/1/60	FLA/MCA/MOP	N/A	N/A	60/72/80
208-230/3/60	FLA/MCA/MOP	N/A	N/A	39/47/50
460/3/60	FLA/MCA/MOP	N/A	N/A	20/24/25

Electrical data based on: electric reheat - **NO**, 5 lb/hr steam generator humidifier - **YES**, and NEXT SIZE MOTOR.

208-230/1/60	FLA/MCA/MOP	29/34/40	37/43/50	39/46/60
208-230/3/60	FLA/MCA/MOP	23/27/30	29/33/40	32/38/50
460/3/60	FLA/MCA/MOP	11/13/15	14/16/20	16/18/20

Electrical data based on: electric reheat - **NO**, 10 lb/hr steam generator humidifier - **YES**, and NEXT SIZE MOTOR.

208-230/1/60	FLA/MCA/MOP	N/A	N/A	48/56/70
208-230/3/60	FLA/MCA/MOP	N/A	N/A	39/47/50
460/3/60	FLA/MCA/MOP	N/A	N/A	20/24/25

Electrical data based on: electric reheat - **YES**, steam generator humidifier - **NO**, and NEXT SIZE MOTOR.

208-230/1/60	FLA/MCA/MOP	50/60/70	58/69/70	60/72/80
208-230/3/60	FLA/MCA/MOP	31/37/40	37/44/50	39/47/50
460/3/60	FLA/MCA/MOP	15/18/20	18/21/25	20/24/25

**NEXT SIZE MOTOR**

		Evaporator		
Horsepower		3/4	1	1-1/2
208-230/1/60	FLA	5.3	6.8	8.8
208-230/3/60	FLA	3.0	3.6	4.8
460/3/60	FLA	1.5	1.8	2.4

**CONDENSER MOTOR**

Horsepower		3/4	1	1-1/2
208-230/1/60	FLA	5.3	6.8	8.8
208-230/3/60	FLA	3.0	3.6	4.8
460/3/60	FLA	1.5	1.8	2.8

**COMPRESSOR DATA**

Tons		<b>2</b>	<b>3</b>	<b>4</b>
208-230/1/60	FLA	10.9	16.0	19.2
208-230/3/60	FLA	7.1	10.3	14.7
460/3/60	FLA	3.5	5.1	7.1

All selections are based on using standard horsepower condenser motor.

FLA - Full load amps MCA - Minimum circuit amps (wire sizing amps) MOP - Maximum rating of the overcurrent protective device

**AIR COOLED: Electrical Data - Split systems with indoor evaporator and remote outdoor condenser - CO**

**MODEL DASA-02 DASA-03 DASA-04**

Electrical data based on cooling only: electrical reheat - **NO**, steam generator humidifier - **NO**, and STANDARD MOTOR.

208-230/1/60	FLA/MCA/MOP	15/18/25	21/25/40	26/30/50
208-230/3/60	FLA/MCA/MOP	9.3/11/15	13/16/25	18/22/35
460/3/60	FLA/MCA/MOP	4.6/5.5/15	6.6/7.9/15	8.9/11/15

Electrical data based on: electrical reheat **YES**, 5 lb/hr steam generator humidifier - **YES**, and STANDARD MOTOR.

208-230/1/60	FLA/MCA/MOP	44/54/60	50/61/70	54/67/70
208-230/3/60	FLA/MCA/MOP	26/32/35	30/37/40	35/43/50
460/3/60	FLA/MCA/MOP	12/15/20	14/17/20	16/20/25

Electrical data based on: electric reheat- **YES**, 10 lb/hr steam generator humidifier - **YES**, and STANDARD MOTOR.

208-230/1/60	FLA/MCA/MOP	N/A	N/A	54/67/70
208-230/3/60	FLA/MCA/MOP	N/A	N/A	35/43/50
460/3/60	FLA/MCA/MOP	N/A	N/A	16/20/25

Electrical data based on: electric reheat - **NO**, 5 lb/hr steam generator humidifier **YES**, and STANDARD MOTOR.

208-230/1/60	FLA/MCA/MOP	23/28/35	30/36/45	34/41/50
208-230/3/60	FLA/MCA/MOP	18/21/25	22/26/30	27/32/45
460/3/60	FLA/MCA/MOP	8.3/10/15	10/13/15	13/15/20

Electrical data based on: electric reheat - **NO**, 10 lb/hr steam generator humidifier - **YES**, and STANDARD MOTOR.

208-230/1/60	FLA/MCA/MOP	N/A	N/A	42/51/60
208-230/3/60	FLA/MCA/MOP	N/A	N/A	35/42/50
460/3/60	FLA/MCA/MOP	N/A	N/A	16/20/25

Electrical data based on: electric reheat - **YES**, steam generator humidifier - **NO**, and STANDARD MOTOR.

208-230/1/60	FLA/MCA/MOP	44/54/60	50/61/70	54/67/70
208-230/3/60	FLA/MCA/MOP	26/32/35	30/37/40	35/43/50
460/3/60	FLA/MCA/MOP	12/15/20	14/17/20	16/20/25

**STANDARD MOTOR**

Horsepower		1/2	3/4	1
208-230/1/60	FLA	3.4	5.3	6.8
208-230/3/60	FLA	2.2	3.0	3.6
460/3/60	FLA	1.1	1.5	1.8

**COMPRESSOR DATA**

Tons		2	3	4
208-230/1/60	FLA	10.9	16.0	19.2
208-230/3/60	FLA	7.1	10.3	14.7
460/3/60	FLA	3.5	5.1	7.1

**CONDENSER**

Model		DARC-03	DARC-03	DARC-05
208-230	FLA/MCA/MOP	4.2/5.3/15	4.2/5.3/15	4.2/5.3/15
460	FLA/MCA/MOP	2.1/2.6/15	2.1/2.6/15	2.1/2.6/15

**CONDENSER MOTOR**

Horsepower		3/4	3/4	3/4
208-230	FLA	4.2	4.2	4.2
460/3/60	FLA	2.1	2.1	2.1

FLA - Full load amps MCA - Minimum circuit amps (wire sizing amps)

MOP - Maximum rating of the overcurrent protective device

**AIR COOLED: Electrical Data - Split systems with indoor evaporator and remote outdoor condenser with  
NEXT SIZE EVAPORATOR MOTOR**

**MODEL** **DASA-02** **DASA-03** **DASA-04**

Electrical data based on cooling only: electrical reheat - **NO**, steam generator humidifier - **NO**, and NEXT SIZE MOTOR.

208-230/1/60	FLA/MCA/MOP	16/19/30	22/26/40	28/33/50
208-230/3/60	FLA/MCA/MOP	10/12/15	14/17/25	20/23/35
460/3/60	FLA/MCA/MOP	5.0/5.9/15	6.9/8.2/15	9.5/11/15

Electrical data based on: electrical reheat - **YES**, 5 lb/hr steam generator humidifier - **YES**, and NEXT SIZE MOTOR.

208-230/1/60	FLA/MCA/MOP	45/55/60	51/63/70	57/69/80
208-230/3/60	FLA/MCA/MOP	27/33/35	31/37/40	36/44/50
460/3/60	FLA/MCA/MOP	13/15/20	14/18/20	17/21/25

Electrical data based on: electric reheat - **YES**, 10 lb/hr steam generator humidifier - **YES**, and NEXT SIZE MOTOR.

208-230/1/60	FLA/MCA/MOP	N/A	N/A	57/69/80
208-230/3/60	FLA/MCA/MOP	N/A	N/A	36/44/50
460/3/60	FLA/MCA/MOP	N/A	N/A	17/21/25

Electrical data based on: electric reheat - **NO**, 5 lb/hr steam generator humidifier - **YES**, and NEXT SIZE MOTOR.

208-230/1/60	FLA/MCA/MOP	24/29/35	31/37/50	36/43/60
208-230/3/60	FLA/MCA/MOP	18/22/25	22/27/35	28/33/45
460/3/60	FLA/MCA/MOP	8.7/11/15	11/13/15	13/16/20

Electrical data based on: electric reheat - **NO**, 10 lb/hr steam generator humidifier - **YES**, and NEXT SIZE MOTOR.

208-230/1/60	FLA/MCA/MOP	N/A	N/A	44/53/60
208-230/3/60	FLA/MCA/MOP	N/A	N/A	36/44/50
460/3/60	FLA/MCA/MOP	N/A	N/A	17/21/25

Electrical data based on: electric reheat - **YES**, steam generator humidifier - **NO**, and NEXT SIZE MOTOR.

208-230/1/60	FLA/MCA/MOP	45/55/60	51/63/70	57/69/80
208-230/3/60	FLA/MCA/MOP	27/33/35	31/37/40	36/44/50
460/3/60	FLA/MCA/MOP	13/15/20	14/18/20	17/21/25

**NEXT SIZE MOTOR**

Horsepower		3/4	1	1-1/2
208-230/1/60	FLA	5.3	6.8	8.8
208-230/3/60	FLA	3.0	3.6	4.8
460/3/60	FLA	1.5	1.8	2.4

**COMPRESSOR**

Tons		2	3	4
208-230/1/60	FLA	10.9	16.0	19.2
208-230/3/60	FLA	7.1	10.3	14.7
460/3/60	FLA	3.5	5.1	7.1

**CONDENSER**

Model		DARC-03	DARC-03	DARC-05
208-230	FLA/MCA/MOP	4.2/5.3/15	4.2/5.3/15	4.2/5.3/15
460	FLA/MCA/MOP	2.1/2.6/15	2.1/2.6/15	2.1/2.6/15

**CONDENSER MOTOR**

Horsepower		3/4	3/4	3/4
208-230	FLA	4.2	4.2	4.2
460	FLA	2.1	2.1	2.1

FLA - Full load amps    MCA - minimum circuit amps (wire sizing amps)  
MOP - Maximum rating of the overcurrent protective device

**AIR COOLED: Electrical Data - Split systems with indoor evaporator and remote outdoor condensing unit**

**MODEL DASA-02 DASA-03 DASA-04**

Electrical data based on cooling only: electrical reheat - **NO**, steam generator humidifier - **NO**, and STANDARD MOTOR.

208-230/1/60	FLA/MCA/MOP	4.0/5.0/15	5.3/6.6/15	6.4/8.0/15
208-230/3/60	FLA/MCA/MOP	2.2/2.8/15	3.0/3.8/15	3.6/4.5/15
460/3/60	FLA/MCA/MOP	1.1/1.4/15	1.5/1.9/15	1.8/2.3/15

Electrical data based on: electrical reheat - **YES**, 5 lb/hr steam generator humidifier - **YES**, and STANDARD MOTOR.

208-230/1/60	FLA/MCA/MOP	33/41/45	34/43/45	35/44/45
208-230/3/60	FLA/MCA/MOP	19/24/25	20/25/30	20/25/30
460/3/60	FLA/MCA/MOP	8.6/11/15	9.0/11/15	9.3/12/15

Electrical data base on: electric reheat - **YES**, 10 lb/hr steam generator humidifier - **YES**, and STANDARD MOTOR.

208-230/1/60	FLA/MCA/MOP	N/A	N/A	35/44/45
208-230/3/60	FLA/MCA/MOP	N/A	N/A	20/25/30
460/3/60	FLA/MCA/MOP	N/A	N/A	9.3/12/15

Electrical data based on: electric reheat - **NO**, 5 lb/hr steam generator humidifier - **YES**, and STANDARD MOTOR.

208-230/1/60	FLA/MCA/MOP	12/15/20	14/17/20	15/18/20
208-230/3/60	FLA/MCA/MOP	10/13/15	11/14/15	12/15/20
460/3/60	FLA/MCA/MOP	4.8/6.0/15	5.2/6.5/15	5.5/6.9/15

Electrical data based on: electric reheat - **NO**, 10 lb/hr steam generator humidifier - **YES**, and STANDARD MOTOR.

208-230/1/60	FLA/MCA/MOP	N/A	N/A	23/28/30
208-230/3/60	FLA/MCA/MOP	N/A	N/A	20/25/30
460/3/60	FLA/MCA/MOP	N/A	N/A	9.2/12/15

Electrical data based on: electric reheat - **YES**, steam generator humidifier - **NO**, and STANDARD MOTOR.

208-230/1/60	FLA/MCA/MOP	33/41/45	34/43/45	35/44/45
208-230/3/60	FLA/MCA/MOP	19/24/25	20/25/30	20/25/30
460/3/60	FLA/MCA/MOP	8.6/11/15	9.0/11/15	9.3/12/15

**STANDARD MOTOR**

Horsepower		1/2	3/4	1
208-230/1/60	FLA	3.4	5.3	6.8
208-230/3/60	FLA	2.2	3.0	3.6
460/3/60	FLA	1.1	1.5	1.8

**CONDENSING UNIT**

Model		DRCU-03	DRCU-03	DRCU-05
208-230/1/60	FLA/MCA/MOP	15/17/25	20/24/40	28/34/50
208-230/3/60	FLA/MCA/MOP	11/13/20	15/17/25	18/21/30
460/3/60	FLA/MCA/MOP	5.6/6.5/15	7.2/8.5/15	10/11/15

**COMPRESSOR**

Tons		2	3	4
208-230/1/60	FLA	10.9	16.0	19.2
208-230/3/60	FLA	7.1	10.3	14.7
460/3/60	FLA	3.5	5.1	7.1

**CONDENSER MOTOR**

Horsepower		3/4	3/4	3/4
208-230	FLA	4.2	4.2	4.2
460/3/60	FLA	2.1	2.1	2.1

FLA - Full load amps MCA - Minimum circuit amps (wire sizing amps)  
MOP - Maximum rating of the overcurrent protective device

**AIR COOLED: Electrical Data - Split systems with indoor evaporator and remote outdoor condensing unit  
with NEXT SIZE EVAPORATOR MOTOR**

**MODEL** **DASA-02** **DASA-03** **DASA-04**

Electrical data based on cooling only: electrical reheat - **NO**, steam generator humidifier - **NO**, and NEXT SIZE MOTOR.

208-230/1/60	FLA/MCA/MOP	5.3/6.6/15	6.4/8.0/15	8.8/11/20
208-230/3/60	FLA/MCA/MOP	3.0/3.8/15	3.6/4.5/15	4.8/6.0/15
460/3/60	FLA/MCA/MOP	1.5/1.9/15	1.8/2.3/15	2.4/3.0/15

Electrical data based on: electrical reheat - **YES**, 5 lb/hr steam generator humidifier - **YES**, and NEXT SIZE MOTOR.

208-230/1/60	FLA/MCA/MOP	34/43/45	35/44/45	38/47/50
208-230/3/60	FLA/MCA/MOP	20/25/30	20/25/30	22/27/30
460/3/60	FLA/MCA/MOP	9.0/11/15	9.3/12/15	9.9/12/15

Electrical data based on: electric reheat - **YES**, 10 lb/hr steam generator humidifier - **YES**, and NEXT SIZE MOTOR.

208-230/1/60	FLA/MCA/MOP	N/A	N/A	38/47/50
208-230/3/60	FLA/MCA/MOP	N/A	N/A	22/27/30
460/3/60	FLA/MCA/MOP	N/A	N/A	9.9/12/15

Electrical data based on: electric reheat - **NO**, 5 lb/hr steam generator humidifier - **YES**, and NEXT SIZE MOTOR.

208-230/1/60	FLA/MCA/MOP	14/17/20	15/18/20	17/21/25
208-230/3/60	FLA/MCA/MOP	11/14/15	12/15/20	13/16/20
460/3/60	FLA/MCA/MOP	5.2/6.5/15	5.5/6.9/15	6.1/7.6/15

Electrical data based on: electric reheat - **NO**, 10 lb/hr steam generator humidifier - **YES**, and NEXT SIZE MOTOR.

208-230/1/60	FLA/MCA/MOP	N/A	N/A	25/31/35
208-230/3/60	FLA/MCA/MOP	N/A	N/A	21/26/30
460/3/60	FLA/MCA/MOP	N/A	N/A	9.8/12/15

Electrical data Based on: electric reheat - **YES**, steam generator humidifier - **NO**, and NEXT SIZE MOTOR.

208-230/1/60	FLA/MCA/MOP	34/43/45	35/44/45	38/47/50
208-230/3/60	FLA/MCA/MOP	20/25/30	20/25/30	22/27/30
460/3/60	FLA/MCA/MOP	9.0/11/15	9.3/12/15	9.9/12/15

**NEXT SIZE MOTOR**

Horsepower		3/4	1	1-1/2
208-230/1/60	FLA	5.3	6.8	8.8
208-230/3/60	FLA	3.0	3.6	4.8
460/3/60	FLA	1.5	1.8	2.4

**CONDENSING UNIT**

Model		DRCU-03	DRCU-03	DRCU-05
208-230/1/60	FLA/MCA/MOP	15/17/25	20/24/40	28/34/50
208-230/3/60	FLA/MCA/MOP	11/13/20	15/17/25	18/21/30
460/3/60	FLA/MCA/MOP	5.6/6.5/15	7.2/8.5/15	10/11/15

**COMPRESSOR**

Tons		2	3	4
208-230/1/60	FLA	10.9	16.0	19.2
208-230/3/60	FLA	7.1	10.3	14.7
460/3/60	FLA	3.5	5.1	7.1

**CONDENSER MOTOR**

Horsepower		3/4	3/4	3/4
208-230	FLA	4.2	4.2	4.2
460/3/60	FLA	2.1	2.1	2.1

FLA - Full load amps      MCA - Minimum circuit amps (wire sizing amps)  
MOP - Maximum rating of the overcurrent protective device

**WATER COOLED: Electrical data**

**MODEL** **DASW-02** **DASW-03** **DASW-04**

Electrical data based on: cooling only, electric reheat - **NO**, steam generator humidifier - **NO**, and STANDARD MOTOR.

208-230/1/60	FLA/MCA/MOP	20/22/30	26/30/45	30/35/50
208-230/3/60	FLA/MCA/MOP	14/16/20	18/21/30	23/27/40
460/3/60	FLA/MCA/MOP	6.9/7.8/15	8.9/10/15	11/13/20

Electrical data based on: electrical reheat - **YES**, 5 lb/hr steam generator humidifier - **YES**, and STANDARD MOTOR.

208-230/1/60	FLA/MCA/MOP	48/58/60	55/66/70	59/71/80
208-230/3/60	FLA/MCA/MOP	31/37/40	35/41/45	40/47/50
460/3/60	FLA/MCA/MOP	14/17/20	16/19/25	19/22/25

Electrical data based on: electric reheat - **YES**, 10 lb/hr steam generator humidifier - **YES**, and STANDARD MOTOR.

208-230/1/60	FLA/MCA/MOP	N/A	N/A	59/71/80
208-230/3/60	FLA/MCA/MOP	N/A	N/A	40/47/50
460/3/60	FLA/MCA/MOP	N/A	N/A	19/22/25

Electrical data based on: electric reheat - **NO**, 5 lb/hr steam generator humidifier - **YES**, and STANDARD MOTOR.

208-230/1/60	FLA/MCA/MOP	28/32/40	34/40/50	38/45/60
208-230/3/60	FLA/MCA/MOP	22/26/30	26/31/35	31/37/45
460/3/60	FLA/MCA/MOP	11/12/15	13/15/20	15/18/20

Electrical data based on: electric reheat - **NO**, 10 lb/hr steam generator humidifier - **YES**, and STANDARD MOTOR.

208-230/1/60	FLA/MCA/MOP	N/A	N/A	47/55/70
208-230/3/60	FLA/MCA/MOP	N/A	N/A	39/47/50
460/3/60	FLA/MCA/MOP	N/A	N/A	19/22/25

Electrical data based on: electric reheat - **YES**, steam generator humidifier - **NO**, and STANDARD MOTOR.

208-230/1/60	FLA/MCA/MOP	48/58/60	55/66/70	59/71/80
208-230/3/60	FLA/MCA/MOP	31/37/40	35/41/45	40/47/50
460/3/60	FLA/MCA/MOP	14/17/20	16/20/25	19/22/25

**STANDARD MOTOR**

Horsepower		1/2	3/4	1
208-230/1/60	FLA	3.4	5.3	6.8
208-230/3/60	FLA	2.2	3.0	3.6
460/3/60	FLA	1.1	1.5	1.8

**COMPRESSOR DATA**

Tons		2	3	4
208-230/1/60	FLA	10.9	16.0	19.2
208-230/3/60	FLA	7.1	10.3	14.7
460/3/60	FLA	3.5	5.1	7.1

FLA - Full load amps  
MCA - Minimum circuit amps (wire sizing amps)  
MOP - Maximum rating of the overcurrent protective device

**WATER COOLED: Electrical data with NEXT SIZE evaporator motor**

**MODEL** **DASW-02** **DASW-03** **DASW-04**

Electrical data based on cooling only: electric reheat - **NO**, steam generator humidifier - **NO**, and NEXT SIZE MOTOR.

208-230/1/60	FLA/MCA/MOP	21/24/30	27/31/45	33/37/50
208-230/3/60	FLA/MCA/MOP	15/17/20	19/21/30	24/28/40
460/3/60	FLA/MCA/MOP	7.3/8.2/15	9.2/11/15	12/14/15

Electrical data based on: electrical reheat - **YES**, 5 lb/hr steam generator humidifier - **YES**, and NEXT SIZE MOTOR.

208-230/1/60	FLA/MCA/MOP	50/60/70	56/67/70	61/74/80
208-230/3/60	FLA/MCA/MOP	31/37/40	35/42/45	41/49/50
460/3/60	FLA/MCA/MOP	15/18/20	17/20/25	19/23/25

Electrical data based on: electric reheat - **YES**, 10 lb/hr steam generator humidifier - **YES**, and NEXT SIZE MOTOR.

208-230/1/60	FLA/MCA/MOP	N/A	N/A	61/74/80
208-230/3/60	FLA/MCA/MOP	N/A	N/A	41/49/50
460/3/60	FLA/MCA/MOP	N/A	N/A	19/23/25

Electrical data based on: electric reheat - **NO**, 5 lb/hr steam generator humidifier - **YES**, and NEXT SIZE MOTOR.

208-230/1/60	FLA/MCA/MOP	29/34/40	35/41/50	41/48/60
208-230/3/60	FLA/MCA/MOP	23/27/30	27/31/40	32/38/50
460/3/60	FLA/MCA/MOP	11/13/15	13/15/20	16/18/20

Electrical data based on: electric reheat - **NO**, 10 lb/hr steam generator humidifier - **YES**, and NEXT SIZE MOTOR.

208-230/1/60	FLA/MCA/MOP	N/A	N/A	49/58/70
208-230/3/60	FLA/MCA/MOP	N/A	N/A	40/48/50
460/3/60	FLA/MCA/MOP	N/A	N/A	19/23/25

Electrical data based on: electric reheat - **YES**, steam generator humidifier - **NO**, and NEXT SIZE MOTOR.

208-230/1/60	FLA/MCA/MOP	50/60/70	56/67/70	61/74/80
208-230/3/60	FLA/MCA/MOP	31/37/40	35/42/45	41/49/50
460/3/60	FLA/MCA/MOP	15/18/20	17/20/25	19/23/25

**NEXT SIZE MOTOR**

Horsepower		3/4	1	1-1/2
208-230/1/60	FLA	5.3	6.8	8.8
208-230/3/60	FLA	3.0	3.6	4.8
460/3/60	FLA	1.5	1.8	2.4

**COMPRESSOR DATA**

Tons		2	3	4
208-230/1/60	FLA	10.9	16.0	19.2
208-230/3/60	FLA	7.1	10.3	14.7
460/3/60	FLA	3.5	5.1	7.1

FLA - Full load amps  
MCA - Minimum circuit amps (wire sizing amps)  
MOP - Maximum rating of the overcurrent protective device

## CHILLED WATER: Electrical Data

**MODEL** **DASC-02** **DASC-03** **DASC-04**

Electrical data based on cooling only: electric reheat - **NO**, steam generator humidifier - **NO**, and STANDARD MOTOR.

208-230/1/60	FLA/MCA/MOP	4.0/5.0/15	5.3/6.6/15	6.4/8.0/15
208-230/3/60	FLA/MCA/MOP	2.2/2.8/15	3.0/3.8/15	3.6/4.5/15
460/3/60	FLA/MCA/MOP	1.1/1.4/15	1.5/1.9/15	1.8/2.3/15

Electrical data based on: electrical reheat - **YES**, 5 lb/hr steam generator humidifier - **YES**, and STANDARD MOTOR.

208-230/1/60	FLA/MCA/MOP	33/41/45	34/43/45	35/44/45
208-230/3/60	FLA/MCA/MOP	19/24/25	20/25/30	20/25/30
460/3/60	FLA/MCA/MOP	8.6/11/15	9.0/11/15	9.3/12/15

Electrical data based on: electric reheat - **YES**, 10 lb/hr steam generator humidifier - **YES**, and STANDARD MOTOR.

208-230/1/60	FLA/MCA/MOP	N/A	N/A	35/44/45
208-230/3/60	FLA/MCA/MOP	N/A	N/A	20/25/30
460/3/60	FLA/MCA/MOP	N/A	N/A	9.3/12/15

Electrical data based on: electric reheat - **NO**, 5 lb/hr steam generator humidifier - **YES**, and STANDARD MOTOR.

208-230/1/60	FLA/MCA/MOP	12/15/20	14/17/20	15/18/20
208-230/3/60	FLA/MCA/MOP	10/13/15	11/14/15	12/15/20
460/3/60	FLA/MCA/MOP	4.8/6.0/15	5.2/6.5/15	5.5/6.9/15

Electrical data based on: electric reheat - **NO**, 10 lb/hr steam generator humidifier - **YES**, and STANDARD MOTOR.

208-230/1/60	FLA/MCA/MOP	N/A	N/A	23/28/30
208-230/3/60	FLA/MCA/MOP	N/A	N/A	20/25/30
460/3/60	FLA/MCA/MOP	N/A	N/A	9.2/12/15

Electrical data based on: electric reheat - **YES**, steam generator humidifier - **NO**, and STANDARD MOTOR.

208-230/1/60	FLA/MCA/MOP	33/41/45	34/43/45	34/44/45
208-230/3/60	FLA/MCA/MOP	19/24/25	20/25/30	20/25/30
460/3/60	FLA/MCA/MOP	9.0/11/15	9.0/11/15	9.3/12/15

### STANDARD MOTOR

Horsepower		1/2	3/4	1
208-230/1/60	FLA	3.4	5.3	6.8
208-230/3/60	FLA	2.2	3.0	3.6
460/3/60	FLA	1.1	1.5	1.8

FLA - Full load amps

MCA - Minimum circuit amps (wire sizing amps)

MOP - Maximum rating of the overcurrent protective device



**CHILLED WATER: Electrical data with NEXT SIZE EVAPORATOR MOTOR**

**MODEL** **DASC-02** **DASC-03** **DASC-04**

Electrical data based on cooling only: electric reheat - **NO**, steam generator humidifier - **NO**, and NEXT SIZE MOTOR.

208-230/1/60	FLA/MCA/MOP	5.3/6.6/15	6.4/8.0/15	8.8/11/20
208-230/3/60	FLA/MCA/MOP	3.0/3.8/15	3.6/4.5/15	4.8/6.0/15
460/3/60	FLA/MCA/MOP	1.5/1.9/15	1.8/2.3/15	2.4/3.0/15

Electrical data based on: electric reheat - **YES**, 5 lb/hr steam generator humidifier - **YES**, and NEXT SIZE MOTOR.

208-230/1/60	FLA/MCA/MOP	34/43/45	35/44/45	38/47/50
208-230/3/60	FLA/MCA/MOP	20/25/30	20/25/30	22/27/30
460/3/60	FLA/MCA/MOP	9.0/11/15	9.3/12/15	9.9/12/15

Electrical data based on: electric reheat - **YES**, 10 lb/hr steam generator humidifier - **YES**, and NEXT SIZE MOTOR.

208-230/1/60	FLA/MCA/MOP	N/A	N/A	38/47/50
208-230/3/60	FLA/MCA/MOP	N/A	N/A	22/27/30
460/3/60	FLA/MCA/MOP	N/A	N/A	9.9/12/15

Electrical data based on: electric reheat - **NO**, 5 lb/hr steam generator humidifier - **YES**, and NEXT SIZE MOTOR.

208-230/1/60	FLA/MCA/MOP	14/17/20	15/18/20	17/21/25
208-230/3/60	FLA/MCA/MOP	11/14/15	12/15/20	13/16/20
460/3/60	FLA/MCA/MOP	5.2/6.5/15	5.5/6.9/15	6.1/7.6/15

Electrical data based on: electric reheat - **NO**, 10 lb/hr steam generator humidifier - **YES**, and NEXT SIZE MOTOR.

208-230/1/60	FLA/MCA/MOP	N/A	N/A	25/31/50
208-230/3/60	FLA/MCA/MOP	N/A	N/A	21/26/30
460/3/60	FLA/MCA/MOP	N/A	N/A	9.8/12/15

Electrical data based on: electric reheat - **YES**, steam generator humidifier - **NO**, and NEXT SIZE MOTOR.

208-230/1/60	FLA/MCA/MOP	34/43/45	35/44/45	38/47/50
208-230/3/60	FLA/MCA/MOP	20/25/30	20/25/30	22/27/30
460/3/60	FLA/MCA/MOP	9.0/11/15	9.3/12/15	10/12/15

<b>NEXT SIZE MOTOR</b>
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Horsepower		3/4	1	1-1/2
208-230/1/60	FLA	5.3	6.8	8.8
208-230/3/60	FLA	3.0	3.6	4.8
460/3/60	FLA	1.5	1.8	2.4

FLA - Full load amps  
MCA - Minimum circuit amps (wire sizing amps)  
MOP - Maximum rating of the overcurrent protective device







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