Hi-Static

Standard and District Cooling

Fan Coil Units

اجهـــزة تـكـيـيـف هـــواء
AIR CONDITIONING EQUIPMENT

Range 600 cfm to
3000 cfm
(283 l/s to 1416 l/s)

CE

AHRI CERTIFIED®
www.ahridirectory.org
Room Fan-Coils
AHRI Standard 440

bsi
ISO 9001 Quality Management Systems CERTIFIED
ISO 14001 Environmental Management CERTIFIED
ISO 45001 Occupational Health and Safety Management CERTIFIED

Table of Contents

Legend

The following legends are used throughout this manual:

AFR	..... Air Flow Rate
BEP	..... Baked Enamel Paint
cfm	..... Cubic feet per minute
dB	..... Decibels
EADB	..... Entering Air Dry Bulb
EAWB	..... Entering Air Wet Bulb
ET	..... Evaporating Temperature
EWT	..... Entering Water Temperature
ESP	..... External Static Pressure
ftwg	..... Feet of Water Gauge
GPM	..... Gallons per minute
Hz	..... Hertz
inwg	..... Inch of Water Gauge
kW	..... Kilowatts
kg	..... Kilograms
kPa	..... Kilo Pascals
LADB	..... Leaving Air Dry Bulb
LAWB	..... Leaving Air Wet Bulb
lbs	..... Pounds weight (British units)
l/s	..... Liters per second
MBh	..... 1000 Btuh
NC	..... Noise Criteria
OD	..... Outside Diameter
Ph	..... Phase
Pa	..... Pascals
SC	..... Sensible Capacity
SPL	..... Sound Pressure Level
TC	..... Total Capacity
TR	..... Tons of refrigeration = 12 MBH
USgpm	..... US Gallons per minute
V	..... Volts
WFR	..... Water Flow Rate
WTR	..... Water Temperature Rise
WPD	..... Water Pressure Drop

Introduction

SKM **Hi - Static** Fan Coil Units (FCU) are a complete line of fan coil units to meet most air conditioning requirements. For individual room temperature control in chilled water applications, Hi - Static fan coils can be an ideal solution on major projects involving Apartment Complexes, Office Blocks, Hospitals and Clinics, Shopping Malls and Centers, Airports, Hi-rise Buildings, Hotels and Motels, Commercial Developments, Schools and Colleges, Libraries and etc.

Units are available in various configurations equipped with many options and accessories. These units are built for easy installation and service and feature high operating efficiency, low operating cost, quiet and energy efficient fan motors.

Hi - Static Fan Coil Units are designed and built in the Gulf to meet requirements of high sensible heat ratio, durability, minimum maintenance needs.

Deliveries on **Hi - Static** FCUs are reliably prompt. For urgent jobs, units can be delivered, upon request, as fast as required, handled the way they will be installed, with or without factory piped valve package to reduce field installation time and piping time to an absolute minimum.

Units are certified in accordance with AHRI - 440 standards and Coil performance (standard series) certified in accordance with AHRI - 410 standards.

Hi-Static Fan Coil Units are yet another premium international quality product from SKM.

SKM provides qualified service and stock of replacement parts in all major cities of the G.C.C. countries, Egypt, Jordan, and Pakistan. See back cover for details or call SKM.

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.

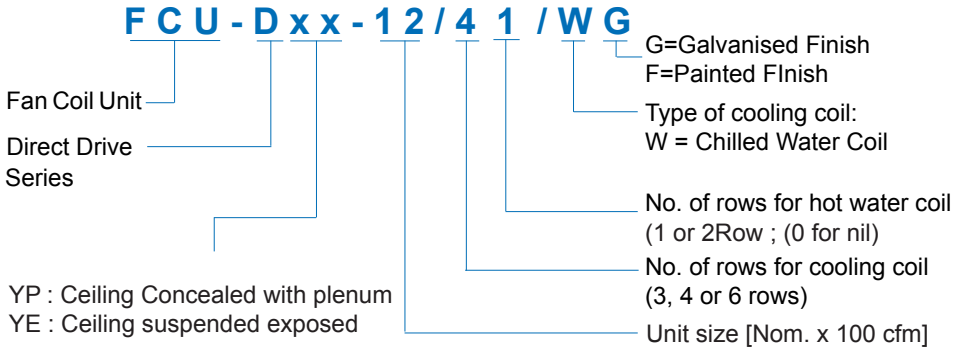
SKM Air Conditioning LLC

اجهزة تكييف هواء
AIR CONDITIONING EQUIPMENT

You name it.....We cool it

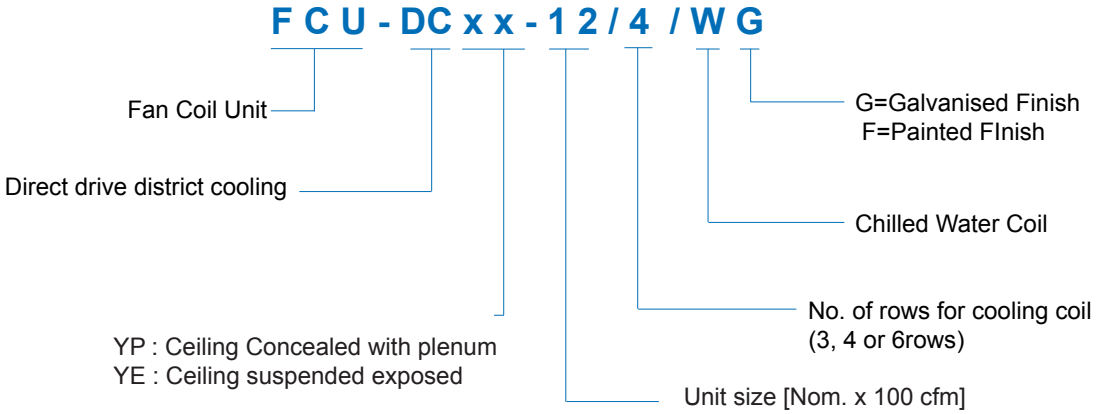
Standard FCU Models

Nomenclature



District Cooling FCU Models

Nomenclature



Notes:

Hi-Static fan coil units manufactured by SKM are available in two versions, for standard applications D Series and for District cooling applications DC Series are illustrated in the catalogue.

General Features

SKM Hi-Static **FCU** provides flexibility of architectural design, economy of operation and space usage, individual room control with privacy, quietness, versatility of location and installation, and multiplicity of control system.

Hi-Static fan coil units are ideally suited for installation in chilled water or to meet the air conditioning requirements of individual rooms throughout the year. Increasingly, architects require a hidden indoor unit with custom enclosure to match the aesthetic requirement of the space.

Features

- Heavy gauge galvanized casing and fan housing
  Hot dip is standard
- High efficiency forward curved fan for quiet operation
- Low power consumption
- High efficiency coil with wavy corrugated fins
- Insulated heavy gauge drain pan
- Quick electrical connections

Component Features

Casing

Units are constructed from heavy gauge galvanized steel sheet complying with ASTM A653 and JIS-G3302 standards against corrosion. Units are with 12mm thick closed cell polyfoam insulation. Refer to page 5, Application Flexibility, for more details.

Options

- Double Skin Units **[DSU*]** Available for DYP/DCYP models only.
- Stainless Steel (Grade 304) Outer Skin **[USS]**
- 13mm thick fiber glass insulation **[0SG]** Density: 32kg/m^3
- Stainless Steel Casing Outer skin- 0.7mm Grade316 [USSL]
- 1.0 mm thick sheet metal (GI) Outer Skin for Unit Casing [OSG1.0]
- 1.2 mm thick sheet metal (GI) Outer Skin for Unit Casing [OSG1.2]

* Double skinning is applicable on fan section only.

Coil section is excluded from double skin.

Finish

DYP/DCYP units are supplied unpainted in a Galvanized finish. Standard color for DYE/DCYE is Ivory white (RAL 7032). This finish and coating can pass a 1000-hour, 5% salt spray testing at 95°F (35°C) and 95% relative humidity as per ASTM B 117 DYP/DCYP series are painted when specified with option [BEP]

Coils

Cooling and Heating coils are manufactured from seamless copper tubes mechanically bonded to high efficiency wavy corrugated Aluminum fins. Coils are factory leak tested by air pressure at 300 psig (2068 kPa) under water. Manual air vent is standard. Chilled water cooling coils are available in 3, 4 and 6 rows. Coil connections are comes with MPT extensions supplied LH or RH as required for chilled water.

Hot water coils, single row **[CHW1]** and double rows **[CHW2]**, are available to meet a wide range of application requirements.

Coils are certified in accordance with AHRI Standard 410. Hi-Static fan coil units can be supplied with a maximum total of 6 rows/coil.

AHRI-410 Certification does not include the products which are certified under AHRI-440.

Options

- Pre-coated Fins **[EFAP]**
  The pre-coating is hydrophobic polyurethane. Pre-coated fins passed a 1000-hr, 5% salt spray test at 95°F (35°C) temperature and 95% RH, according to ASTM B117.
- Copper fins **[EFC]**
- Automatic Air Vent **[AAV]**

Fan and Motor

Hi-Static fan coil units use centrifugal, double inlet double width, low noise fans, direct driven by single phase, 3-speed permanent split capacitor motor. These motors have integral thermal protection, low temperature rise, are highly efficient, have high power factor and operate almost noiselessly with permanent lubricated sleeve bearings.

Motor Technical Data

All motors used in Hi-Static **FCU** are inherently protected by means of thermal cut-out embedded in the winding. This thermal cut-out is calibrated to trip out when the winding reaches a pre-determined temperature. The thermal cut-out will automatically reset when the temperature returns to a safe limit.

Efficiency and Power Factor

SKM Hi-Static fan coil units, are equipped with permanent split capacitor motors because of their high efficiency and higher power factor than that of shaded pole motors being used by many other manufacturers of fan coil units.

The efficiency range of permanent split capacitor motors varies between 50% and 60% as compared to 30% to 40% for shaded pole motors with power factor 0.6 to 0.7 while, the power factor of a permanent split capacitor motor approaches 1.0.

SKM chooses permanent split capacitor motor on the basis of their higher efficiency and power factor in order to maintain the total power factor of the installation above a set minimum value.

Filter

FCUs are lined with aluminum media lter (ASHRAE 52.2) as standard 1" (Nominal thickness) Synthetic washable media filter is option [1SMF].

Drain Pan

Fabricated from heavy gauge Zinc-coated steel sheets, painted irrespective of the type of finish for unit casing and insulated from outside by 4mm thick polyfoam insulation for a maximum protection against sweating and corrosion. Drain connection 1/2" MPT provided for removal of condensation.

Options

- Extended Drain Pan 100mm [EDP1] and 200mm [EDP2]

Application Flexibility

SKM Hi-Static **FCU**s are available in a capacity range of 600cfm-3000 cfm (283 l/s - 1416 l/s), in various models having (10) sizes each. Configurations available include ceiling concealed, horizontal.

1. DYP and DCYP*

Ceiling concealed applications, includes a factory installed plenum. The plenum is lined with 12mm thick closed cell polyfoam insulation. Units are supplied with 1" cleanable filter, as standard.

Notes

*DYP and DCYP Units up to 1500 CFM is coming under the scope of AHRI-440 Certification.

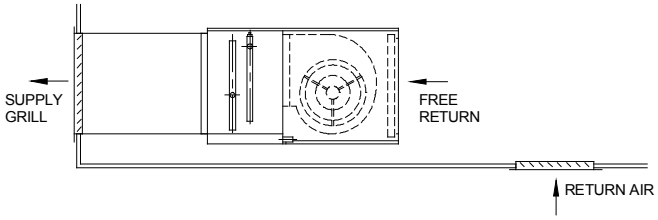


Figure 1

2. DYE and DCYE

Ceiling suspended, exposed type includes cabinet with removable access panels lined with 12mm thick closed cell poly foam insulation. Units are supplied with 1" cleanable filter. Units are painted with electrostatically applied polyster powder coat and supplied with supply and return air grilles as standard.

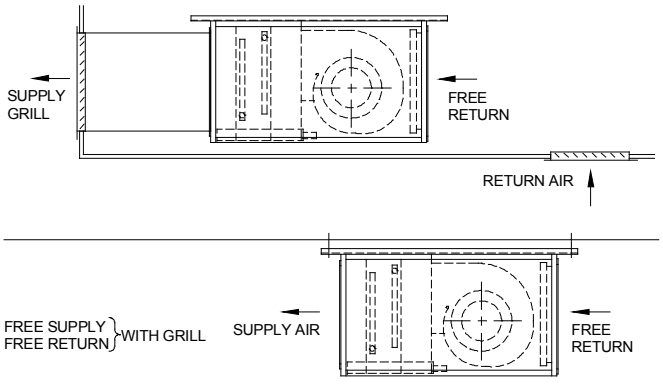


Figure 2

Options and Accessories

The standard options available for Hi - Static fan coil units include:

Electric Heaters (FEH)

Application

Electric heaters are available only for DYP/DCYP models.

Hi-Static **FCU** with factory built heating elements as shown in Table 1 are available in two variants. Order should specify **FEH1** for variant 1 and **FEH2** for variant 2. Each variant is provided with one high limit safety cut-out (Auto Reset) and arranged for 1-stage operation at 220~240V / 1PH / 50~60Hz.

Notes

For other special requirements like thermostats, controls, power supply and etc. please contact SKM.

Capacity

Maximum capacity of the electric heater is determined by the air capacity of the particular model. Table 1 shows the two variations available for each model of Hi-Static fan coil units.

Contactors and Controls

Contactors are not included as standard and must be field supplied and installed by others.

Heater Elements

“U” shape finned tubular heating element constructed from high quality 80/20 nickel chrome resistance wire connected to terminal pins and centered in a metal tube with galvanized steel fin. The elements are isolated from the casing. Separate power source is required for the heaters.

Unit Size	Number of Heater Elements	
	Variant 1	Variant 2
06	1 x 1.0	2 x 1.0
08	1 x 1.5	2 x 1.5
10	1 x 1.0 + 1 x 1.5	3 x 1.5
12	1 x 3.0	2 x 3.0
15	1 x 3.0	2 x 3.0
18	1 x 4.0	2 x 4.0
21	1 x 4.0	2 x 4.0
24	1 x 4.0	2 x 4.0
28	1 x 5	2 x 5
30	1 x 5	2 x 5

Table 1

Sizez 28 and 30 available only for models DYP and DCYP.

Thermostat (CHTS)

Thermostat is wall mounted decorative type, with large LCD and backlight. Buttons are provided for power on/off, fan speed selection, cooling or heating mode selection, set point adjustment and sleep mode selection. Indoor temperature and set point are displayed simultaneously. Apart from that, display provides fan mode (high, medium, low or auto) and operating mode (cool or heat) status.

Optional remote control and remote sensor are available on request.

Controls

Various options on valve packages and control systems are available. Eight (8) different valve packages are available factory installed or loose for field mounting along with (3) options on control packages. Full details of options available; see full write-up on page 28-30.

Ducted Return, Rear (DRR)

Available only for DYP and DCYP models. Refer to page 33.

Ducted Return, Bottom (DRB)

Available only for DYP and DCYP models. Refer to page 33.

Control and Valve Packages

Available from Type 1 to type 8. Refer to page 29-31.

Physical and Electrical Data

Unit Size				6	8	10	12	15	18	21	24	28 *	30 *
Nominal Airflow Rate			cfm	600	800	1000	1200	1500	1800	2100	2400	2800	3000
			l/s	283	378	472	566	708	849	991	1133	1322	1416
Coil	Type		-	Copper tubes mechanically bonded to Hi-Efficiency wavy corrugated Aluminium Fins									
	Fin Height		inch	12	12	16	12	12	16	16	16	16	16
			mm	305	305	406	305	305	406	406	406	406	406
	Fin Length		inch	20	24	24	36	42	42	48	54	72	72
			mm	508	610	610	914	1067	1067	1219	1372	1828	1828
	Face Area		ft^2	1.7	2.0	2.7	3.0	3.5	4.7	5.3	6.0	8.0	8.0
			m^2	0.15	0.19	0.25	0.28	0.33	0.43	0.50	0.56	0.74	0.74
Fan	Type		-	Double Inlet Double Width Centrifugal Forward Curve Direct Drive									
	Code		-	7-7	7-7	9-7	7-7	7-7	9-7	9-7	9-7	9-7	9-7
	Quantity		-	1	1	1	2	2	2	2	2	3	3
Motor	Type		-	220-240V/1Ph/50-60Hz, 3 Speed Electric Motor with Permanent Split Capacitor									
	Size		W	150	150	150	150	150	150	150	245	150	245
	Quantity		-	1	1	1	2	2	2	2	2	3	3
Max. Amps (A)	50 Hz	SPEED	High	1.35	1.8	1.4	2.7	3.6	2.8	2.8	4.4	4.2	6.6
	60 Hz			1.35	2	1.7	2.7	4	3.4	2.8	4.4	4.2	6.6
Sound Pressure Level @ 1m dB(A)	50 Hz	SPEED	High	53.7	54.8	55.9	56.9	58.0	58.6	54.2	55.6	58.0	59.5
			Medium	48.7	50.5	52.2	54.0	55.7	56.3	53.0	54.4	56.7	58.2
			Low	44.1	46.4	48.8	51.1	53.4	53.9	51.5	52.9	55.2	56.6
	60 Hz		High	52.5	55.0	56.7	55.8	58.1	59.7	54.5	56.8	57.6	61.0
			Medium	47.5	50.4	51.7	52.5	55.7	56.0	51.2	54.8	55.0	58.9
			Low	42.6	45.7	47.0	49.1	52.6	52.1	51.2	52.1	55.4	56.2

Table 2

Notes

All the specifications are subjectd to change by the manufacturer without prior notice.The performance data is based on the following conditions.

1. Air entering temperature: 80°F/67°F (27°C/19.5°C), 45°F/55°F (7.2°C/12.8°C) entering and leaving water temperature.
2. Inductive current (Amps) rating of 3-speed switch must be greater than the maximum Amps of the unit.
3. Sound pressure level is based on DYP model, 4Rows,0.1 inWg (25Pa) External Static Pressure, air entering temperature DB/WB 80°F/67°F (27°C/19.5°C), 45°F/55°F (7.2°C/12.8°C)
4. Sound Pressure Values are indicative only and may vary with actual site conditions.

**** Sizez 28 and 30 available only for models DYP and DCYP.***

Machine Weight

Model	Number of Rows	Machine Weight	Unit Size									
			06	08	10	12	15	18	21	24	28	30
DYP & DCYP	3R	lbs	60	67	82	87	109	134	141	155	173	182
		kg	27.3	30.5	37.3	39.5	49.5	60.9	64.1	70.5	78.3	82.6
	4R	lbs	63	70	86	91	114	141	148	162	183	193
		kg	28.6	31.8	39.1	41.4	51.8	64.1	67.3	73.6	83.1	87.4
	6R	lbs	68	77	95	102	126	156	167	188	205	214
		kg	30.9	35.0	43.2	46.4	57.3	70.9	75.9	85.5	92.8	97.0
DYE & DCYE	3R	lbs	80	86	98	107	132	163	174	188	-	-
		kg	36.4	39.1	44.5	48.6	60.0	74.1	79.1	85.5	-	-
	4R	lbs	83	89	102	111	137	170	181	196	-	-
		kg	37.7	40.5	46.4	50.5	62.3	77.3	82.3	89.1	-	-
	6R	lbs	86	96	117	122	149	185	200	222	-	-
		kg	39.1	43.6	53.2	55.5	67.7	84.1	90.9	100.9	-	-

Table 3

Weight of basic units are provided, (single skin casing + fan /motor +chilled water coil with 12 fpi Aluminum fins + 1 ” thick flat filter). For units with any additional option, consult SKM for the weight.

Nominal Capacity Ratings

DYP and DYE

Chilled Water Coils

Size	Nominal Airflow	3 Rows				4 Rows				6 Rows			
		Total Capacity	Sensible Capacity	Water Flow Rate	Water Pressure Drop	Total Capacity	Sensible Capacity	Water Flow Rate	Water Pressure Drop	Total Capacity	Sensible Capacity	Water Flow Rate	Water Pressure Drop
	cfm	MBh	MBh	gpm	ftwg	MBh	MBh	gpm	ftwg	MBh	MBh	gpm	ftwg
	l/s	kW	kW	l/s	kPa	kW	kW	l/s	kPa	kW	kW	l/s	kPa
6	600	17.73	12.89	3.55	8.85	21.62	15.02	4.32	15.19	25.64	17.20	5.13	4.87
	283	5.20	3.78	0.22	26.45	6.34	4.40	0.27	45.39	7.51	5.04	0.32	14.56
8	800	23.00	16.78	4.60	15.24	27.39	19.36	5.48	12.38	33.95	22.78	6.79	8.71
	378	6.74	4.92	0.29	45.56	8.03	5.67	0.35	37.00	9.95	6.68	0.43	26.05
10	1000	29.50	21.38	5.90	14.18	34.72	24.47	6.94	8.46	43.31	28.88	8.66	8.04
	472	8.65	6.27	0.37	42.39	10.18	7.17	0.44	25.30	12.70	8.46	0.55	24.02
12	1200	33.02	24.63	6.60	6.52	41.09	29.03	8.22	11.43	50.93	34.17	10.19	8.03
	566	9.68	7.22	0.42	19.50	12.04	8.51	0.52	34.15	14.93	10.01	0.64	24.00
15	1500	41.05	30.50	8.21	10.36	49.08	35.27	9.82	8.46	62.57	42.18	12.51	9.70
	708	12.03	8.94	0.52	30.96	14.39	10.34	0.62	25.29	18.34	12.36	0.79	28.99
18	1800	51.65	37.86	10.33	9.30	60.19	43.10	12.04	5.47	77.28	51.66	15.46	7.48
	849	15.14	11.10	0.65	27.80	17.64	12.63	0.76	16.35	22.65	15.14	0.98	22.37
21	2100	56.77	42.80	11.35	4.47	71.44	50.68	14.29	7.93	90.86	60.52	18.17	10.69
	991	16.64	12.55	0.72	13.36	20.94	14.85	0.90	23.69	26.63	17.74	1.15	31.96
24	2400	66.04	49.27	13.21	6.20	82.18	58.07	16.44	10.79	104.47	69.40	20.89	14.59
	1133	19.36	14.44	0.83	18.52	24.09	17.02	1.04	32.26	30.62	20.34	1.32	43.61
28	2800	84.97	61.14	16.99	11.14	101.31	70.38	20.26	9.05	127.81	83.68	25.56	17.55
	1321	24.90	17.92	1.07	33.31	29.69	20.63	1.28	27.06	37.46	24.53	1.61	52.47
30	3000	88.48	64.15	17.70	12.02	105.43	73.90	21.09	9.75	134.70	88.59	26.94	19.33
	1416	25.93	18.80	1.12	35.93	30.90	21.66	1.33	29.14	39.48	25.97	1.70	57.79

Table 4

Notes

Chilled water capacity ratings are based on nominal air flow rate; air entering temperature DB/WB 80°F/67°F (27°C/19.5°C), 45°F/55°F (7.2°C/12.8°C) entering/leaving chilled water temperature.

For conditions other than rated, use SKM FCU Computer Selection Software.

Hot Water Coils

Size	Nominal Airflow	1 Row			2 Rows			3 Rows		
		Total Capacity	Water Flow Rate	Water Pressure Drop	Total Capacity	Water Flow Rate	Water Pressure Drop	Total Capacity	Water Flow Rate	Water Pressure Drop
	cfm	MBh	gpm	ftwg	MBh	gpm	ftwg	MBh	gpm	ftwg
	l/s	kW	l/s	kPa	kW	l/s	kPa	kW	l/s	kPa
6	600	24.40	2.44	4.48	40.60	4.06	7.33	49.80	4.98	4.46
	283	7.16	0.15	13.38	11.89	0.26	21.90	14.60	0.31	13.35
8	800	31.30	3.13	7.88	52.50	5.25	14.14	65.00	6.50	8.65
	378	9.19	0.20	23.56	15.37	0.33	42.25	19.05	0.41	25.84
10	1000	39.20	3.92	2.82	66.90	6.69	9.21	82.90	8.29	7.76
	472	11.49	0.25	8.43	19.61	0.42	27.54	24.31	0.52	23.19
12	1200	45.70	4.57	3.75	78.70	7.87	13.82	97.50	9.75	8.42
	566	13.39	0.29	11.22	23.06	0.50	41.30	28.58	0.62	25.16
15	1500	55.70	5.57	5.78	91.60	9.16	3.42	120.40	12.04	14.66
	708	16.33	0.35	17.29	26.85	0.58	10.23	35.28	0.76	43.83
18	1800	70.80	7.08	5.21	115.20	11.52	3.01	149.20	14.92	12.15
	849	20.76	0.45	15.56	33.76	0.73	9.00	43.72	0.94	36.32
21	2100	83.00	8.30	7.54	134.10	13.41	4.29	174.10	17.41	18.45
	991	24.32	0.52	22.54	39.32	0.85	12.83	51.02	1.10	55.14
24	2400	95.20	9.52	10.60	153.80	15.38	6.00	199.50	19.95	26.88
	1133	27.90	0.60	31.69	45.08	0.97	17.93	58.49	1.26	80.35
28	2800	120.90	12.09	20.00	193.80	19.38	11.01	250.40	25.04	51.60
	1321	35.43	0.76	59.79	56.81	1.22	32.92	73.40	1.58	154.24
30	3000	125.70	12.57	22.18	201.80	20.18	12.21	265.70	26.57	60.70
	1416	36.84	0.79	66.29	59.16	1.27	36.51	77.87	1.68	181.46

Table 5

Notes

Data based on nominal air flow, 70°F (21°C) entering air temperature, 180°F/160°F (82°C/71°C) entering/leaving hot water temperature. For other conditions use SKM FCU selection software.

**** Sizes 28 and 30 available only for DYP model.***

Capacity Ratings - Chilled Water

DYP - 3 ROWS

Size	Speed	External Static Pressure		50HZ										60Hz									
				Airflow Rate		Total Capacity		Sensible Capacity		Water Flow Rate		Water Pressure Drop		Airflow Rate		Total Capacity		Sensible Capacity		Water Flow Rate		Water Pressure Drop	
		inwg	Pa	cfm	l/s	MBh	kW	MBh	kW	gpm	l/s	ftwg	kPa	cfm	l/s	MBh	kW	MBh	kW	gpm	l/s	ftwg	kPa
6	High	0.1	25	667	315	18.31	5.37	13.68	4.01	3.66	0.23	9.39	28.07	572	270	16.83	4.93	12.31	3.61	3.37	0.21	8.04	24.02
		0.2	50	648	306	18.03	5.29	13.41	3.93	3.61	0.23	9.13	27.29	576	272	16.89	4.95	12.37	3.63	3.38	0.21	8.1	24.2
		0.3	75	625	295	17.7	5.19	13.09	3.84	3.54	0.22	8.82	26.37	569	269	16.77	4.92	12.27	3.6	3.35	0.21	7.99	23.88
	Medium	0.1	25	497	235	15.5	4.54	11.16	3.27	3.1	0.2	6.91	20.64	422	199	14.1	4.13	9.95	2.92	2.82	0.18	5.8	17.34
		0.2	50	480	227	15.19	4.45	10.89	3.19	3.04	0.19	6.65	19.89	402	190	13.71	4.02	9.62	2.82	2.74	0.17	5.51	16.48
		0.3	75	456	215	14.74	4.32	10.51	3.08	2.95	0.19	6.3	18.83	377	178	13.21	3.87	9.19	2.69	2.64	0.17	5.15	15.39
	Low	0.1	25	382	180	13.31	3.9	9.28	2.72	2.66	0.17	5.22	15.61	304	143	11.64	3.41	7.89	2.31	2.33	0.15	4.08	12.2
		0.2	50	360	170	12.86	3.77	8.9	2.61	2.57	0.16	4.9	14.65	279	132	11.06	3.24	7.43	2.18	2.21	0.14	3.72	11.11
		0.3	75	329	155	12.2	3.58	8.35	2.45	2.44	0.15	4.45	13.3	253	119	10.42	3.05	6.92	2.03	2.08	0.13	3.33	9.96
8	High	0.1	25	843	398	23.24	6.81	17.23	5.05	4.65	0.29	15.53	46.42	877	414	23.82	6.98	17.73	5.2	4.76	0.3	16.25	48.59
		0.2	50	799	377	22.48	6.59	16.58	4.86	4.5	0.28	14.61	43.66	849	401	23.34	6.84	17.32	5.08	4.67	0.29	15.66	46.81
		0.3	75	743	351	21.51	6.3	15.75	4.62	4.3	0.27	13.46	40.24	816	385	22.77	6.67	16.84	4.93	4.55	0.29	14.96	44.72
	Medium	0.1	25	792	374	22.36	6.55	16.48	4.83	4.47	0.28	14.46	43.22	785	370	22.23	6.52	16.38	4.8	4.45	0.28	14.31	42.79
		0.2	50	745	352	21.54	6.31	15.78	4.62	4.31	0.27	13.5	40.36	759	358	21.78	6.38	15.99	4.69	4.36	0.27	13.79	41.21
		0.3	75	685	323	20.55	6.02	14.9	4.37	4.11	0.26	12.38	37	726	343	21.21	6.22	15.49	4.54	4.24	0.27	13.13	39.24
	Low	0.1	25	709	335	20.92	6.13	15.24	4.47	4.18	0.26	12.8	38.25	630	297	19.7	5.77	14.1	4.13	3.94	0.25	11.45	34.23
		0.2	50	667	315	20.27	5.94	14.64	4.29	4.05	0.26	12.08	36.1	604	285	19.28	5.65	13.71	4.02	3.86	0.24	11.01	32.91
		0.3	75	616	291	19.47	5.71	13.89	4.07	3.89	0.25	11.21	33.52	571	269	18.74	5.49	13.22	3.87	3.75	0.24	10.45	31.22
10	High	0.1	25	970	458	28.32	8.3	20.69	6.06	5.66	0.36	13.16	39.33	1079	509	30.21	8.85	22.31	6.54	6.04	0.38	14.82	44.3
		0.2	50	893	421	27.09	7.94	19.57	5.74	5.42	0.34	12.12	36.24	1030	486	29.36	8.6	21.59	6.33	5.87	0.37	14.06	42.02
		0.3	75	807	381	25.73	7.54	18.31	5.37	5.15	0.32	11.03	32.97	975	460	28.4	8.33	20.76	6.09	5.68	0.36	13.23	39.55
	Medium	0.1	25	890	420	27.04	7.93	19.53	5.72	5.41	0.34	12.09	36.13	837	395	26.21	7.68	18.76	5.5	5.24	0.33	11.41	34.12
		0.2	50	823	388	25.99	7.62	18.55	5.44	5.2	0.33	11.24	33.58	812	383	25.81	7.57	18.39	5.39	5.16	0.33	11.09	33.16
		0.3	75	747	353	24.74	7.25	17.4	5.1	4.95	0.31	10.26	30.68	780	368	25.29	7.41	17.9	5.25	5.06	0.32	10.69	31.94
	Low	0.1	25	713	336	24.17	7.08	16.88	4.95	4.83	0.3	9.83	29.38	555	262	20.85	6.11	14.15	4.15	4.17	0.26	7.49	22.4
		0.2	50	665	314	23.29	6.83	16.1	4.72	4.66	0.29	9.18	27.44	526	248	20.17	5.91	13.61	3.99	4.03	0.25	7.05	21.08
		0.3	75	611	288	22.11	6.48	15.16	4.44	4.42	0.28	8.35	24.96	495	234	19.42	5.69	13.03	3.82	3.88	0.25	6.58	19.67
12	High	0.1	25	1280	604	33.49	9.82	25.48	7.47	6.7	0.42	6.7	20.02	1127	532	31.17	9.14	23.33	6.84	6.23	0.39	5.86	17.51
		0.2	50	1244	587	32.96	9.66	24.98	7.32	6.59	0.42	6.5	19.43	1127	532	31.17	9.14	23.33	6.84	6.23	0.39	5.86	17.51
		0.3	75	1198	565	32.26	9.46	24.34	7.13	6.45	0.41	6.25	18.67	1109	523	30.89	9.05	23.07	6.76	6.18	0.39	5.76	17.21
	Medium	0.1	25	988	466	28.88	8.47	21.28	6.24	5.78	0.36	5.08	15.2	837	395	26.24	7.69	18.94	5.55	5.25	0.33	4.25	12.71
		0.2	50	952	449	28.26	8.28	20.73	6.08	5.65	0.36	4.88	14.59	795	375	25.48	7.47	18.27	5.36	5.1	0.32	4.03	12.03
		0.3	75	902	426	27.39	8.03	19.96	5.85	5.48	0.35	4.61	13.77	744	351	24.54	7.19	17.45	5.11	4.91	0.31	3.75	11.22
	Low	0.1	25	745	352	24.56	7.2	17.46	5.12	4.91	0.31	3.76	11.24	588	277	21.5	6.3	14.81	4.34	4.3	0.27	2.94	8.78
		0.2	50	697	329	23.65	6.93	16.67	4.89	4.73	0.3	3.51	10.49	538	254	20.43	5.99	13.91	4.08	4.09	0.26	2.67	8
		0.3	75	633	299	22.41	6.57	15.59	4.57	4.48	0.28	3.17	9.49	487	230	19.28	5.65	12.97	3.8	3.86	0.24	2.4	7.18
15	High	0.1	25	1558	735	41.08	12.04	30.99	9.08	8.22	0.52	10.37	31.01	1636	772	42.25	12.38	32.06	9.4	8.45	0.53	10.93	32.68
		0.2	50	1485	701	39.97	11.72	29.98	8.79	7.99	0.5	9.86	29.47	1586	748	41.5	12.16	31.38	9.2	8.3	0.52	10.57	31.61
		0.3	75	1392	657	38.55	11.3	28.68	8.41	7.71	0.49	9.22	27.55	1528	721	40.63	11.91	30.58	8.96	8.13	0.51	10.16	30.38
	Medium	0.1	25	1487	702	40	11.72	30.01	8.8	8	0.5	9.87	29.51	1510	713	40.35	11.83	30.33	8.89	8.07	0.51	10.03	30
		0.2	50	1407	664	38.78	11.37	28.89	8.47	7.76	0.49	9.32	27.85	1459	689	39.57	11.6	29.62	8.68	7.91	0.5	9.68	28.93
		0.3	75	1305	616	37.23	10.91	27.45	8.05	7.45	0.47	8.64	25.82	1394	658	38.58	11.31	28.71	8.41	7.72	0.49	9.23	27.59
	Low	0.1	25	1368	646	38.18	11.19	28.34	8.31	7.64	0.48	9.05	27.06	1243	587	36.3	10.64	26.57	7.79	7.26	0.46	8.24	24.64
		0.2	50	1294	611	37.06	10.86	27.3	8	7.41	0.47	8.57	25.6	1190	562	35.52	10.41	25.83	7.57	7.1	0.45	7.92	23.66
		0.3	75	1197	565	35.62	10.44	25.93	7.6	7.12	0.45	7.96	23.79	1125	531	34.41	10.08	24.85	7.28	6.88	0.43	7.46	22.3
18	High	0.1	25	1801	850	50.56	14.82	37.47	10.98	10.11	0.64	8.94	26.72	2053	969	54.41	15.95	40.99	12.01	10.88	0.69	10.24	30.62
		0.2	50	1650	779	48.29	14.15	35.33	10.35	9.66	0.61	8.21	24.53	1950	920	52.84	15.49	39.56	11.59	10.57	0.67	9.7	29
		0.3	75	1486	701	45.62	13.37	32.91	9.65	9.12	0.58	7.39	22.08	1846	871	51.24	15.02	38.1	11.17	10.25	0.65	9.16	27.4
	Medium	0.1	25	1671	789	48.6	14.24	35.62	10.44	9.72	0.61	8.31	24.83	1634	771	48.05	14.08	35.1	10.29	9.61	0.61	8.13	24.31
		0.2	50	1536	725	46.51	13.63	33.68	9.87	9.3	0.59	7.66	22.88	1578	745	47.23	13.84	34.32	10.06	9.45	0.6	7.88	23.54
		0.3	75	1389	655	43.85	12.85	31.39	9.2	8.77	0.55	6.86	20.51	1504	710	45.94	13.47	33.19	9.73	9.19	0.58	7.48	22.36
	Low	0.1	25	1366	645	43.42	12.73	31.03	9.09	8.68	0.55	6.74	20.14	1084	512	37.93	11.12	26.36	7.73	7.59	0.48	5.24	15.68
		0.2	50	1269	599	41.59	12.19	29.46	8.63	8.32	0.52	6.22	18.59	1026	484	36.73	10.76	25.36	7.43	7.35	0.46	4.94	14.77
		0.3	75	1164	549	39.54	11.59	27.72	8.12	7.91	0.5	5.66	16.93	965	455	35.42	10.38	24.28	7.12	7.08	0.45	4.62	13.81
21	High	0.1	25	2129	1005	55.99	16.41	42.77	12.54	11.2	0.71	4.36	13.02	2150	1015	56.3	16.5	43.06	12.62	11.26	0.71	4.4	13.16
		0.2	50	1977	933	53.74	15.75	40.64	11.91	10.75	0.68	4.04	12.06	2146	1013	56.24	16.48	43	12.6	11.25	0.71	4.39	13.13
		0.3	75	1807	853	50.9	14.92	38.11	11.17	10.18	0.64	3.65	10.9	2121	1001	55.88	16.38	42.66	12.5	11.18	0.71	4.34	12.97
	Medium	0.1	25	1617	763	47.6	13.95	35.19	10.32	9.52	0.6	3.22	9.62	1303	615	42.3	12.4	30.33	8.89	8.46	0.53	2.58	7.71
		0.2	50	1579	745	46.96	13.77	34.62	10.15	9.39	0.59	3.14	9.38	1304	615	42.31	12.4	30.35	8.9	8.46	0.53	2.58	7.72
		0.3	75	1494	705	45.54	13.35	33.32	9.77	9.11	0.57	2.96	8.85	1376	649	43.55	12.76	31.49	9.23	8.71	0.55	2.72	8.14
	Low	0.1	25	1091	515	38.44	11.27	26.85	7.87	7.69	0.49	2.16	6.46	1081	510	38.25	11.21	26.68	7.82	7.65	0.48	2.14	6.4
		0.2	50	1117	527	38.94	11.41	27.29	8	7.79	0.49	2.21	6.61	958	452	35.8	10.49	24.54	7.19	7.16	0.45	1.89	5.65
		0.3	75	1075	507	38.14	11.18	26.58	7.79	7.63	0.48	2.13	6.36	878	414	33.73	9.89	22.96	6.73	6.75	0.43	1.69	5.06
24	High	0.1	25	2171	1024	61.03	17.89	45.47	13.33	12.21	0.77	5.35	15.98	2460	1161	65.49	19.2	49.58	14.53	13.1	0.83	6.1	18.24
		0.2	50	2021	954	58.55	17.16	43.24	12.67	11.71	0.74	4.95	14.79	2373	1120	64.17	18.81	48.36	14.17	12.83	0.81	5.87	17.56
		0.3	75	1854	875	55.65	16.31	40.69	11.93	11.13	0.7	4.5	13.45	2266	1069	62.52	18.33	46.84	13.73	12.5	0.79	5.59	16.72
	Medium	0.1	25	2015	951	58.44	17.13	43.15	12.65	11.69	0.74	4.93	14.74	2115	998	60.14	17.63	44.65	13.09	12.03	0.76	5.2	15.55
		0.2	50	1856	876	55.68	16.32	40.72	11.94	11.14	0.7	4.51	13.47	2029	957	58.68	17.2	43.36	12.71	11.74	0.74	4.97	14.86
		0.3	75	1679	792	52.57	15.41	37.97	11.13	10.51	0.66	4.05	12.1	1914	903	56.69	16.62	41.61	12.2	11.34	0.72	4.66	13.93
	Low	0.1	25	1884	889	56.17	16.46	41.15	12.06	11.23	0.71	4.58	13.69	1704	804	53.02	15.54	38.36	11.24	10.6	0.67	4.11	12.29
		0.2	50	1733	818	53.53	15.69	38.82	11.38	10.71	0.68	4.19	12.51	1686	796	52.69	15.44	38.08	11.16	10.54	0.66	4.07	12.15
		0.3	75	1553	733	50.28	14.74	35.95	10.54	10.06	0.63	3.72	11.13	1629	769	51.66	15.14	37.17	10.9	10.33	0.65	3.92	11.71
28	High	0.1	25	2951	1393	85.66	25.11	62.68	18.37	17.13	1.08	11.31	33.82	2791	1317	82.94	24.31	60.3	17.67	16.59	1.05	10.65	31.85
		0.2	50	2772	1308	82.66	24.23	60.03	17.6	16.53	1.04	10.59	31.65	2804	1323	83.14	24.37	60.49	17.73	16.63	1.05	10.7	31.99
		0.3	75	2553	1205	79.31	23.25	56.89	16.67	15.86	1	9.8	29.3	2799	1321	83.05	24.34	60.41	17.71	16.61	1.05	10.68	31.93
	Medium	0.1	25	2098	990	71.8	21.04	49.98	14.65	14.36	0.91	8.15	24.36	1740	821	64.26	18.83	43.8	12.84	12.85	0.81	6.63	19.83
		0.2	50	2101	991	71.85	21.06	50.03	14.66	14.37	0.91	8.16	24.39	1686	796	63.03	18.47	42.82	12.55	12.61	0.8	6.4	19.13
		0.3	75	2027	957	70.55	20.68	48.85	14.32	14.11	0.89	7.89	23.58	1739	821	64.24	18.83	43.78	12.83	12.85	0.81	6.63	19.81
	Low	0.1	25	1357	640	55.03	16.13	36.58	10.72	11.01	0.69	4.98	14.88	1454	686	57.49	16.85	38.48	11.28	11.5	0.73	5.4	16.13
		0.2	50	1384	653	55.72	16.33	37.12	10.88	11.14	0.7	5.09	15.23	1259	594	52.43	15.37	34.62	10.15	10.49	0.66	4.55	13.6
		0.3	75	1384	653	55.72	16.33	37.12	10.88	11.14	0.7	5.09	15.23	1127	532	48.78	14.3	31.88	9.34	9.76	0.62	3.98	11.9
30	High	0.1	25	3079	1453	87.88	25.76	64.6	18.93	17.58	1.11	11.87	35.47	3564	1682	96.23	28.21	71.71	21.02	19.25	1.21	14.05	42
		0.2	50	2853	1346	83.97	24.61	61.22	17.94	16.79	1.06	10.9	32.59	3414	1611	93.68	27.46	69.54	20.38	18.74	1.18	13.37	39.95
		0.3	75	2607	1230	80.15	23.49	57.68	16.9	16.03	1.01	10	29.89	3239	1528	90.66	26.57	66.97	19.63	18.13	1.14	12.57	37.59
	Medium	0.1	25	2853	1346	83.97	24.61	61.22	17.94	16.79	1.06	10.9	32.59	3075	1451	87.81	25.74	64.54	18.92	17.56	1.11	11.85	35.42
		0.2	50	2615	1234	80.28	23.53	57.79	16.94	16.06	1.01	10.03	29.97	2919	1377	85.11	24.95	62.2	18.23	17.02	1.07	11.18	33.42
		0.3	75	2355	1111	76.12	22.31	53.94	15.81	15.22	0.96	9.08	27.15	2729	1288	82.02	24.04	59.43	17.42	16.4	1.03	10.44	31.19
	Low	0.1	25	2681	1265	81.29	23.83	58.74	17.22	16.26	1.03	10.26	30.68	2544	1201	79.17	23.2	56.76	16.63	15.83	1	9.77	29.21
		0.2	50	2444	1153	77.57	22.74	55.28	16.2	15.51	0.98	9.41	28.12	2485	1173	78.23	22.93	55.89	16.38	15.65	0.99	9.56	28.57
		0.3	75	2176	1027	73.13	21.43	51.2	15.01	14.63	0.92	8.43	25.2	2363	1115	76.25	22.35	54.06	15.85	15.25	0.96	9.11	27.24

Table 6

Data based on 80°F/67°F (27°C/19.5°C) air on-coil DBT/WBT, 45°F (7.2°C) entering chilled water temperature and 10°F (5.5°C) water temperature rise.

Capacity Ratings - Chilled Water

DYP - 4 ROWS

Size	Speed	External Static Pressure		50HZ										60Hz									
				Airflow Rate		Total Capacity		Sensible Capacity		Water Flow Rate		Water Pressure Drop		Airflow Rate		Total Capacity		Sensible Capacity		Water Flow Rate		Water Pressure Drop	
		inwg	Pa	cfm	l/s	MBh	kW	MBh	kW	gpm	l/s	ftwg	kPa	cfm	l/s	MBh	kW	MBh	kW	gpm	l/s	ftwg	kPa
6	High	0.1	25	658	311	22.27	6.53	15.83	4.64	4.45	0.28	16.03	47.93	575	271	20.45	5.99	14.33	4.2	4.09	0.26	13.71	40.99
		0.2	50	638	301	21.82	6.4	15.47	4.53	4.36	0.28	15.45	46.19	574	271	20.42	5.99	14.31	4.19	4.08	0.26	13.69	40.91
		0.3	75	613	289	21.27	6.23	15.01	4.4	4.25	0.27	14.74	44.06	564	266	20.22	5.93	14.13	4.14	4.04	0.26	13.44	40.18
	Medium	0.1	25	492	232	18.7	5.48	12.83	3.76	3.74	0.24	11.65	34.83	418	197	16.92	4.96	11.39	3.34	3.38	0.21	9.7	29
		0.2	50	474	224	18.3	5.37	12.5	3.66	3.66	0.23	11.2	33.49	397	187	16.34	4.79	10.95	3.21	3.27	0.21	9.1	27.21
		0.3	75	448	211	17.72	5.19	12.01	3.52	3.54	0.22	10.56	31.56	372	176	15.63	4.58	10.42	3.05	3.13	0.2	8.4	25.1
	Low	0.1	25	379	179	15.83	4.64	10.57	3.1	3.17	0.2	8.6	25.69	301	142	13.5	3.96	8.84	2.59	2.7	0.17	6.43	19.22
		0.2	50	355	168	15.14	4.44	10.05	2.95	3.03	0.19	7.92	23.68	276	130	12.69	3.72	8.25	2.42	2.54	0.16	5.75	17.18
		0.3	75	323	152	14.19	4.16	9.34	2.74	2.84	0.18	7.04	21.03	250	118	11.82	3.46	7.63	2.24	2.36	0.15	5.05	15.09
8	High	0.1	25	821	387	27.05	7.93	19.43	5.69	5.41	0.34	12.09	36.14	860	406	27.85	8.16	20.11	5.89	5.57	0.35	12.76	38.13
		0.2	50	773	365	26.07	7.64	18.59	5.45	5.21	0.33	11.3	33.77	831	392	27.25	7.99	19.6	5.75	5.45	0.34	12.26	36.65
		0.3	75	713	336	24.85	7.28	17.54	5.14	4.97	0.31	10.34	30.92	795	375	26.52	7.77	18.98	5.56	5.3	0.33	11.66	34.85
	Medium	0.1	25	770	363	26.01	7.62	18.54	5.43	5.2	0.33	11.25	33.62	772	364	26.05	7.63	18.57	5.44	5.21	0.33	11.28	33.72
		0.2	50	720	340	24.99	7.32	17.66	5.18	5	0.32	10.45	31.25	745	352	25.5	7.47	18.1	5.3	5.1	0.32	10.85	32.42
		0.3	75	658	311	23.75	6.96	16.57	4.86	4.75	0.3	9.52	28.46	708	334	24.75	7.25	17.45	5.11	4.95	0.31	10.27	30.69
	Low	0.1	25	692	327	24.43	7.16	17.17	5.03	4.89	0.31	10.03	29.97	622	294	22.93	6.72	15.9	4.66	4.59	0.29	8.92	26.67
		0.2	50	649	306	23.57	6.91	16.42	4.81	4.71	0.3	9.38	28.05	594	280	22.25	6.52	15.36	4.5	4.45	0.28	8.44	25.24
		0.3	75	597	282	22.32	6.54	15.42	4.52	4.46	0.28	8.49	25.39	561	265	21.43	6.28	14.71	4.31	4.29	0.27	7.88	23.56
10	High	0.1	25	938	443	32.33	9.48	22.95	6.73	6.47	0.41	7.42	22.18	1055	498	34.78	10.19	25.04	7.34	6.96	0.44	8.49	25.38
		0.2	50	863	407	30.64	8.98	21.56	6.32	6.13	0.39	6.72	20.1	1004	474	33.72	9.88	24.14	7.07	6.74	0.43	8.02	23.98
		0.3	75	780	368	28.71	8.42	19.99	5.86	5.74	0.36	5.96	17.83	950	448	32.59	9.55	23.17	6.79	6.52	0.41	7.53	22.51
	Medium	0.1	25	866	409	30.71	9	21.62	6.34	6.14	0.39	6.75	20.18	828	391	29.83	8.74	20.9	6.13	5.97	0.38	6.4	19.13
		0.2	50	799	377	29.16	8.55	20.35	5.96	5.83	0.37	6.14	18.34	802	378	29.23	8.57	20.41	5.98	5.85	0.37	6.16	18.42
		0.3	75	725	342	27.4	8.03	18.92	5.55	5.48	0.35	5.47	16.36	769	363	28.45	8.34	19.78	5.8	5.69	0.36	5.87	17.53
	Low	0.1	25	701	331	26.82	7.86	18.45	5.41	5.36	0.34	5.26	15.73	550	260	22.94	6.72	15.38	4.51	4.59	0.29	3.95	11.81
		0.2	50	652	308	25.6	7.5	17.48	5.12	5.12	0.32	4.83	14.44	521	246	22.14	6.49	14.76	4.33	4.43	0.28	3.7	11.06
		0.3	75	600	283	24.27	7.11	16.42	4.81	4.85	0.31	4.38	13.09	490	231	21.27	6.23	14.09	4.13	4.25	0.27	3.44	10.27
12	High	0.1	25	1260	595	41.16	12.06	29.64	8.69	8.23	0.52	11.46	34.25	1130	533	38.5	11.28	27.37	8.02	7.7	0.49	10.13	30.28
		0.2	50	1220	576	40.34	11.82	28.94	8.48	8.07	0.51	11.04	33.01	1121	529	38.32	11.23	27.21	7.98	7.66	0.48	10.04	30.01
		0.3	75	1170	552	39.31	11.52	28.07	8.23	7.86	0.5	10.53	31.47	1096	517	37.81	11.08	26.77	7.85	7.56	0.48	9.8	29.28
	Medium	0.1	25	976	461	35.4	10.38	24.67	7.23	7.08	0.45	8.68	25.93	827	390	31.78	9.31	21.78	6.38	6.36	0.4	7.11	21.25
		0.2	50	937	442	34.49	10.11	23.93	7.01	6.9	0.44	8.27	24.71	783	369	30.66	8.99	20.9	6.13	6.13	0.39	6.66	19.89
		0.3	75	882	416	33.15	9.72	22.86	6.7	6.63	0.42	7.68	22.97	732	345	29.34	8.6	19.86	5.82	5.87	0.37	6.13	18.34
	Low	0.1	25	736	347	29.44	8.63	19.94	5.85	5.89	0.37	6.18	18.46	581	274	25.15	7.37	16.65	4.88	5.03	0.32	4.62	13.82
		0.2	50	685	323	28.08	8.23	18.89	5.54	5.62	0.35	5.66	16.92	531	251	23.65	6.93	15.54	4.55	4.73	0.3	4.13	12.34
		0.3	75	622	294	26.34	7.72	17.55	5.14	5.27	0.33	5.03	15.04	481	227	22.08	6.47	14.38	4.21	4.42	0.28	3.64	10.88
15	High	0.1	25	1515	715	48.06	14.09	35.03	10.27	9.61	0.61	8.13	24.31	1603	756	49.68	14.56	36.48	10.69	9.94	0.63	8.65	25.87
		0.2	50	1436	678	46.55	13.64	33.7	9.88	9.31	0.59	7.67	22.92	1550	731	48.7	14.28	35.61	10.44	9.74	0.61	8.34	24.93
		0.3	75	1336	630	44.51	13.05	31.95	9.36	8.9	0.56	7.05	21.08	1487	702	47.54	13.93	34.56	10.13	9.51	0.6	7.97	23.83
	Medium	0.1	25	1445	682	46.73	13.7	33.85	9.92	9.35	0.59	7.72	23.08	1482	699	47.45	13.91	34.48	10.11	9.49	0.6	7.94	23.74
		0.2	50	1359	641	44.98	13.18	32.36	9.48	9	0.57	7.19	21.5	1426	673	46.35	13.58	33.53	9.83	9.27	0.58	7.6	22.73
		0.3	75	1252	591	42.75	12.53	30.45	8.93	8.55	0.54	6.55	19.57	1354	639	44.88	13.15	32.27	9.46	8.98	0.57	7.16	21.41
	Low	0.1	25	1334	630	44.47	13.03	31.92	9.35	8.89	0.56	7.04	21.05	1223	577	42.13	12.35	29.93	8.77	8.43	0.53	6.37	19.05
		0.2	50	1255	592	42.82	12.55	30.51	8.94	8.56	0.54	6.56	19.62	1166	550	40.86	11.98	28.87	8.46	8.17	0.52	6.02	17.99
		0.3	75	1151	543	40.52	11.88	28.59	8.38	8.1	0.51	5.93	17.71	1100	519	39.35	11.53	27.64	8.1	7.87	0.5	5.61	16.78
18	High	0.1	25	1733	818	57.12	16.74	41.28	12.1	11.42	0.72	4.96	14.83	1992	940	62.17	18.22	45.72	13.4	12.43	0.78	5.81	17.37
		0.2	50	1586	748	54.05	15.84	38.65	11.33	10.81	0.68	4.48	13.38	1893	893	60.28	17.67	44.05	12.91	12.06	0.76	5.48	16.39
		0.3	75	1429	674	50.46	14.79	35.7	10.46	10.09	0.64	3.94	11.78	1794	847	58.34	17.1	42.35	12.41	11.67	0.74	5.16	15.42
	Medium	0.1	25	1617	763	54.74	16.04	39.23	11.5	10.95	0.69	4.58	13.7	1613	761	54.65	16.02	39.15	11.48	10.93	0.69	4.57	13.66
		0.2	50	1485	701	51.74	15.17	36.75	10.77	10.35	0.65	4.13	12.34	1552	732	53.29	15.62	38.02	11.14	10.66	0.67	4.36	13.04
		0.3	75	1342	633	48.47	14.21	34.06	9.98	9.69	0.61	3.66	10.93	1475	696	51.51	15.1	36.57	10.72	10.3	0.65	4.09	12.24
	Low	0.1	25	1338	631	48.38	14.18	33.98	9.96	9.68	0.61	3.64	10.89	1073	506	42.21	12.37	28.87	8.46	8.44	0.53	2.83	8.46
		0.2	50	1243	587	46.22	13.55	32.17	9.43	9.24	0.58	3.35	10.01	1015	479	40.79	11.95	27.71	8.12	8.16	0.51	2.66	7.94
		0.3	75	1139	537	43.79	12.84	30.16	8.84	8.76	0.55	3.03	9.06	955	451	39.27	11.51	26.48	7.76	7.85	0.5	2.48	7.4
21	High	0.1	25	2057	971	68.47	20.07	49.14	14.4	13.69	0.86	7.32	21.89	2150	1015	70.38	20.63	50.77	14.88	14.08	0.89	7.71	23.04
		0.2	50	1905	899	65.28	19.13	46.43	13.61	13.06	0.82	6.7	20.03	2136	1008	70.09	20.54	50.53	14.81	14.02	0.88	7.65	22.87
		0.3	75	1739	821	61.58	18.05	43.36	12.71	12.32	0.78	6.01	17.98	2099	991	69.34	20.32	49.88	14.62	13.87	0.87	7.5	22.41
	Medium	0.1	25	1610	760	58.6	17.17	40.93	12	11.72	0.74	5.49	16.4	1296	612	51	14.95	34.8	10.2	10.2	0.64	4.24	12.68
		0.2	50	1557	735	57.35	16.81	39.92	11.7	11.47	0.72	5.27	15.76	1317	621	51.53	15.1	35.22	10.32	10.31	0.65	4.32	12.92
		0.3	75	1464	691	55.14	16.16	38.12	11.17	11.03	0.7	4.9	14.65	1394	658	53.45	15.67	36.75	10.77	10.69	0.67	4.63	13.83
	Low	0.1	25	1096	517	45.77	13.42	30.68	8.99	9.15	0.58	3.47	10.38	1059	500	44.76	13.12	29.89	8.76	8.95	0.56	3.33	9.96
		0.2	50	1116	527	46.31	13.57	31.1	9.11	9.26	0.58	3.55	10.61	944	445	41.49	12.16	27.39	8.03	8.3	0.52	2.9	8.66
		0.3	75	1060	500	44.79	13.13	29.91	8.77	8.96	0.57	3.34	9.97	872	411	39.33	11.53	25.77	7.55	7.87	0.5	2.62	7.85
24	High	0.1	25	2110	996	73.96	21.68	52.1	15.27	14.79	0.93	8.87	26.53	2416	1140	80.18	23.5	57.47	16.84	16.04	1.01	10.31	30.82
		0.2	50	1961	925	70.99	20.81	49.49	14.51	14.2	0.9	8.23	24.59	2321	1095	78.24	22.93	55.81	16.36	15.65	0.99	9.85	29.45
		0.3	75	1797	848	67.11	19.67	46.36	13.59	13.42	0.85	7.41	22.16	2210	1043	75.98	22.27	53.86	15.79	15.2	0.96	9.33	27.89
	Medium	0.1	25	1958	924	70.93	20.79	49.44	14.49	14.19	0.89	8.21	24.55	2084	983	73.45	21.53	51.65	15.14	14.69	0.93	8.76	26.19
		0.2	50	1801	850	67.21	19.7	46.44	13.61	13.44	0.85	7.43	22.22	1989	939	71.55	20.97	49.99	14.65	14.31	0.9	8.35	24.95
		0.3	75	1627	768	62.88	18.43	43.02	12.61	12.58	0.79	6.57	19.64	1869	882	68.85	20.18	47.76	14	13.77	0.87	7.77	23.23
	Low	0.1	25	1838	867	68.11	19.96	47.16	13.82	13.62	0.86	7.62	22.77	1702	803	64.76	18.98	44.5	13.04	12.95	0.82	6.94	20.74
		0.2	50	1685	795	64.34	18.86	44.17	12.95	12.87	0.81	6.86	20.49	1674	790	64.06	18.78	43.95	12.88	12.81	0.81	6.8	20.33
		0.3	75	1506	711	59.78	17.52	40.58	11.89	11.96	0.75	5.98	17.89	1606	758	62.34	18.27	42.6	12.49	12.47	0.79	6.47	19.33
28	High	0.1	25	2878	1358	99.92	29.29	70.6	20.69	19.98	1.26	8.82	26.38	2798	1320	98.31	28.81	69.2	20.28	19.66	1.24	8.56	25.59
		0.2	50	2691	1270	96.19	28.19	67.34	19.74	19.24	1.21	8.22	24.58	2805	1324	98.45	28.85	69.32	20.32	19.69	1.24	8.58	25.66
		0.3	75	2471	1166	91.3	26.76	63.27	18.55	18.26	1.15	7.46	22.31	2789	1316	98.13	28.76	69.04	20.24	19.63	1.24	8.53	25.5
	Medium	0.1	25	2106	994	82.23	24.1	56.09	16.44	16.45	1.04	6.15	18.37	1723	813	72.04	21.12	48.18	14.12	14.41	0.91	4.81	14.38
		0.2	50	2089	986	81.79	23.97	55.75	16.34	16.36	1.03	6.09	18.19	1688	797	71.07	20.83	47.44	13.9	14.21	0.9	4.69	14.02
		0.3	75	2000	944	79.49	23.3	53.95	15.81	15.9	1	5.77	17.26	1758	830	73.01	21.4	48.93	14.34	14.6	0.92	4.93	14.74
	Low	0.1	25	1357	640	61.24	17.95	40.08	11.75	12.25	0.77	3.56	10.65	1425	672	63.35	18.57	41.63	12.2	12.67	0.8	3.79	11.34
		0.2	50	1389	655	62.24	18.24	40.81	11.96	12.45	0.79	3.67	10.98	1242	586	57.56	16.87	37.39	10.96	11.51	0.73	3.18	9.5
		0.3	75	1376	649	61.84	18.12	40.52	11.88	12.37	0.78	3.63	10.85	1118	528	53.4	15.65	34.4	10.08	10.68	0.67	2.77	8.27
30	High	0.1	25	2976	1404	101.9	29.87	72.33	21.2	20.38	1.29	9.15	27.36	3475	1640	112.1	32.86	81.03	23.75	22.42	1.41	10.93	32.66
		0.2	50	2754	1300	97.44	28.56	68.43	20.06	19.49	1.23	8.42	25.17	3318	1566	108.89	31.92	78.31	22.95	21.78	1.37	10.35	30.95
		0.3	75	2516	1187	92.37	27.08	64.14	18.8	18.47	1.17	7.63	22.8	3141	1482	105.27	30.85	75.22	22.05	21.05	1.33	9.72	29.06
	Medium	0.1	25	2759	1302	97.54	28.59	68.52	20.08	19.51	1.23	8.44	25.22	3005	1418	102.49	30.04	72.84	21.35	20.5	1.29	9.25	27.65
		0.2	50	2527	1192	92.64	27.15	64.35	18.86	18.53	1.17	7.67	22.92	2842	1341	99.19	29.07	69.97	20.51	19.84	1.25	8.7	26.02
		0.3	75	2275	1074	86.49	25.35	59.45	17.42	17.3	1.09	6.75	20.18	2649	1250	95.35	27.95	66.6	19.52	19.07	1.2	8.09	24.18
	Low	0.1	25	2598	1226	94.31	27.64	65.7	19.26	18.86	1.19	7.93	23.69	2530	1194	92.71	27.17	64.4	18.88	18.54	1.17	7.68	22.95
		0.2	50	2364	1116	88.69	26	61.19	17.94	17.74	1.12	7.07	21.14	2451	1157	90.81	26.62	62.89	18.43	18.16	1.15	7.39	22.09
		0.3	75	2103	992	82.15	24.08	56.03	16.42	16.43	1.04	6.14	18.34	2315	1092	87.48	25.64	60.23	17.65	17.5	1.1	6.89	20.61

Table 7

Data based on 80°F/67°F (27°C/19.5°C) air on-coil DBT/WBT, 45°F (7.2°C) entering chilled water temperature and 10°F (5.5°C) water temperature rise.

Capacity Ratings - Chilled Water

DYP - 6 ROWS

Size	Speed	External Static Pressure		50HZ										60Hz									
				Airflow Rate		Total Capacity		Sensible Capacity		Water Flow Rate		Water Pressure Drop		Airflow Rate		Total Capacity		Sensible Capacity		Water Flow Rate		Water Pressure Drop	
		inwg	Pa	cfm	l/s	MBh	kW	MBh	kW	gpm	l/s	ftwg	kPa	cfm	l/s	MBh	kW	MBh	kW	gpm	l/s	ftwg	kPa
6	High	0.1	25	615	290	24.96	7.32	17.08	5.01	4.99	0.31	4.64	13.86	548	259	22.95	6.73	15.55	4.56	4.59	0.29	3.97	11.88
		0.2	50	593	280	24.32	7.13	16.59	4.86	4.86	0.31	4.42	13.21	542	256	22.76	6.67	15.41	4.52	4.55	0.29	3.92	11.71
		0.3	75	564	266	23.44	6.87	15.92	4.67	4.69	0.3	4.13	12.35	528	249	22.34	6.55	15.09	4.42	4.47	0.28	3.78	11.31
	Medium	0.1	25	453	214	20.05	5.88	13.35	3.91	4.01	0.25	3.1	9.28	385	182	17.88	5.24	11.72	3.43	3.58	0.23	2.52	7.52
		0.2	50	435	205	19.49	5.71	12.92	3.79	3.9	0.25	2.95	8.81	365	172	17.14	5.02	11.2	3.28	3.43	0.22	2.33	6.96
		0.3	75	409	193	18.66	5.47	12.3	3.6	3.73	0.24	2.72	8.14	343	162	16.28	4.77	10.6	3.11	3.26	0.21	2.12	6.34
	Low	0.1	25	359	169	16.91	4.96	11.03	3.23	3.38	0.21	2.27	6.79	285	134	13.95	4.09	9	2.64	2.79	0.18	1.6	4.78
		0.2	50	334	158	15.93	4.67	10.36	3.04	3.19	0.2	2.04	6.09	261	123	12.95	3.8	8.32	2.44	2.59	0.16	1.4	4.18
		0.3	75	304	143	14.73	4.32	9.53	2.79	2.95	0.19	1.77	5.28	237	112	11.93	3.5	7.64	2.24	2.39	0.15	1.2	3.59
8	High	0.1	25	773	365	31.76	9.31	21.61	6.33	6.35	0.4	7.71	23.05	827	390	33.3	9.76	22.8	6.68	6.66	0.42	8.41	25.14
		0.2	50	722	341	30.27	8.87	20.46	6	6.05	0.38	7.06	21.1	794	375	32.36	9.49	22.07	6.47	6.47	0.41	7.98	23.86
		0.3	75	657	310	28.27	8.29	18.95	5.56	5.65	0.36	6.23	18.62	753	355	31.18	9.14	21.16	6.2	6.24	0.39	7.45	22.28
	Medium	0.1	25	726	343	30.39	8.91	20.55	6.02	6.08	0.38	7.11	21.26	747	353	31.01	9.09	21.02	6.16	6.2	0.39	7.38	22.05
		0.2	50	673	318	28.78	8.43	19.33	5.67	5.76	0.36	6.43	19.23	714	337	30.04	8.8	20.28	5.94	6.01	0.38	6.96	20.8
		0.3	75	610	288	26.78	7.85	17.84	5.23	5.36	0.34	5.64	16.85	671	317	28.71	8.42	19.28	5.65	5.74	0.36	6.41	19.15
	Low	0.1	25	661	312	28.4	8.32	19.05	5.58	5.68	0.36	6.28	18.77	605	285	26.62	7.8	17.72	5.19	5.32	0.34	5.58	16.67
		0.2	50	616	291	26.97	7.9	17.98	5.27	5.39	0.34	5.71	17.08	575	271	25.63	7.51	17	4.98	5.13	0.32	5.21	15.56
		0.3	75	559	264	25.1	7.36	16.61	4.87	5.02	0.32	5.01	14.98	541	255	24.5	7.18	16.17	4.74	4.9	0.31	4.79	14.33
10	High	0.1	25	881	416	37.85	11.09	25.39	7.44	7.57	0.48	6.28	18.76	1007	475	41.66	12.21	28.28	8.29	8.33	0.53	7.48	22.37
		0.2	50	810	382	35.59	10.43	23.71	6.95	7.12	0.45	5.61	16.76	957	452	40.2	11.78	27.15	7.96	8.04	0.51	7.01	20.94
		0.3	75	731	345	32.99	9.67	21.79	6.39	6.6	0.42	4.88	14.59	908	428	38.7	11.34	26.02	7.63	7.74	0.49	6.54	19.54
	Medium	0.1	25	822	388	35.98	10.55	23.99	7.03	7.2	0.45	5.72	17.09	812	383	35.66	10.45	23.76	6.96	7.13	0.45	5.63	16.82
		0.2	50	756	357	33.82	9.91	22.4	6.57	6.76	0.43	5.11	15.27	783	369	34.71	10.17	23.06	6.76	6.94	0.44	5.36	16.01
		0.3	75	686	324	31.49	9.23	20.69	6.06	6.3	0.4	4.48	13.4	746	352	33.49	9.82	22.16	6.5	6.7	0.42	5.02	14.99
	Low	0.1	25	679	320	31.25	9.16	20.52	6.01	6.25	0.39	4.42	13.21	541	255	26.4	7.74	17.03	4.99	5.28	0.33	3.25	9.71
		0.2	50	631	298	29.61	8.68	19.33	5.66	5.92	0.37	4.01	11.97	512	242	25.32	7.42	16.27	4.77	5.06	0.32	3.01	9
		0.3	75	579	273	27.78	8.14	18.01	5.28	5.56	0.35	3.56	10.65	482	227	24.17	7.08	15.47	4.53	4.83	0.3	2.76	8.26
12	High	0.1	25	1194	563	48.63	14.25	33.17	9.72	9.73	0.61	7.38	22.05	1092	515	45.67	13.39	30.89	9.06	9.13	0.58	6.57	19.64
		0.2	50	1148	542	47.31	13.87	32.15	9.42	9.46	0.6	7.01	20.95	1072	506	45.08	13.21	30.44	8.92	9.02	0.57	6.41	19.18
		0.3	75	1090	514	45.62	13.37	30.85	9.04	9.12	0.58	6.55	19.59	1039	490	44.09	12.92	29.69	8.7	8.82	0.56	6.16	18.4
	Medium	0.1	25	895	422	39.52	11.58	26.28	7.7	7.9	0.5	5.03	15.04	759	358	35	10.26	22.96	6.73	7	0.44	4.03	12.03
		0.2	50	855	403	38.2	11.2	25.31	7.42	7.64	0.48	4.73	14.14	718	339	33.6	9.85	21.95	6.43	6.72	0.42	3.74	11.16
		0.3	75	799	377	36.34	10.65	23.95	7.02	7.27	0.46	4.31	12.9	671	317	31.95	9.37	20.76	6.09	6.39	0.4	3.41	10.18
	Low	0.1	25	704	332	33.11	9.7	21.6	6.33	6.62	0.42	3.64	10.87	557	263	27.76	8.14	17.79	5.22	5.55	0.35	2.63	7.87
		0.2	50	652	308	31.28	9.17	20.28	5.94	6.26	0.39	3.28	9.79	510	241	25.86	7.58	16.49	4.83	5.17	0.33	2.31	6.91
		0.3	75	591	279	29.05	8.51	18.7	5.48	5.81	0.37	2.86	8.55	463	218	23.75	6.96	15.1	4.43	4.75	0.3	1.98	5.92
15	High	0.1	25	1428	674	58.15	17.04	39.64	11.62	11.63	0.73	8.47	25.33	1536	725	61.11	17.91	41.97	12.3	12.22	0.77	9.29	27.76
		0.2	50	1339	632	55.56	16.29	37.66	11.04	11.11	0.7	7.79	23.29	1476	697	59.49	17.44	40.69	11.93	11.9	0.75	8.84	26.42
		0.3	75	1228	579	52.25	15.32	35.13	10.3	10.45	0.66	6.96	20.8	1406	663	57.52	16.86	39.15	11.48	11.5	0.73	8.3	24.82
	Medium	0.1	25	1359	641	56.15	16.46	38.11	11.17	11.23	0.71	7.94	23.75	1420	670	57.92	16.98	39.47	11.57	11.58	0.73	8.41	25.15
		0.2	50	1266	597	53.4	15.65	36.01	10.55	10.68	0.67	7.24	21.65	1354	639	56	16.41	37.99	11.14	11.2	0.71	7.91	23.63
		0.3	75	1153	544	49.89	14.62	33.37	9.78	9.98	0.63	6.39	19.1	1274	601	53.64	15.72	36.19	10.61	10.73	0.68	7.3	21.83
	Low	0.1	25	1265	597	53.37	15.64	35.98	10.55	10.67	0.67	7.23	21.62	1179	556	50.72	14.87	33.99	9.96	10.14	0.64	6.59	19.69
		0.2	50	1177	555	50.66	14.85	33.94	9.95	10.13	0.64	6.57	19.64	1120	529	48.84	14.32	32.59	9.55	9.77	0.62	6.14	18.36
		0.3	75	1064	502	47.04	13.79	31.26	9.16	9.41	0.59	5.73	17.13	1051	496	46.61	13.66	30.94	9.07	9.32	0.59	5.64	16.85
18	High	0.1	25	1614	762	68.51	20.08	46.12	13.52	13.7	0.86	5.99	17.91	1885	890	76.44	22.4	52.21	15.3	15.29	0.96	7.33	21.93
		0.2	50	1477	697	64.19	18.81	42.9	12.57	12.84	0.81	5.31	15.89	1796	848	73.89	21.66	50.24	14.73	14.78	0.93	6.89	20.59
		0.3	75	1330	628	59.42	17.42	39.38	11.54	11.88	0.75	4.61	13.78	1698	801	71.03	20.82	48.04	14.08	14.21	0.9	6.41	19.15
	Medium	0.1	25	1520	717	65.56	19.21	43.92	12.87	13.11	0.83	5.52	16.51	1567	739	67.04	19.65	45.02	13.2	13.41	0.85	5.76	17.21
		0.2	50	1395	658	61.56	18.04	40.95	12	12.31	0.78	4.92	14.71	1497	706	64.83	19	43.37	12.71	12.97	0.82	5.41	16.18
		0.3	75	1261	595	57.13	16.75	37.7	11.05	11.43	0.72	4.29	12.82	1420	670	62.37	18.28	41.55	12.18	12.47	0.79	5.04	15.07
	Low	0.1	25	1286	607	57.96	16.99	38.31	11.23	11.59	0.73	4.4	13.16	1050	495	49.92	14.63	32.45	9.51	9.98	0.63	3.35	10
		0.2	50	1193	563	54.85	16.08	36.03	10.56	10.97	0.69	3.98	11.89	994	469	47.92	14.05	31.02	9.09	9.58	0.6	3.1	9.28
		0.3	75	1093	516	51.43	15.07	33.54	9.83	10.29	0.65	3.53	10.57	935	441	45.77	13.41	29.49	8.64	9.15	0.58	2.85	8.53
21	High	0.1	25	1804	851	78.43	22.99	52.34	15.34	15.69	0.99	8.15	24.37	1833	865	79.35	23.26	53.02	15.54	15.87	1	8.33	24.9
		0.2	50	1679	792	74.38	21.8	49.36	14.47	14.88	0.94	7.39	22.1	1828	863	79.19	23.21	52.9	15.51	15.84	1	8.3	24.81
		0.3	75	1538	726	69.68	20.42	45.92	13.46	13.94	0.88	6.56	19.6	1805	852	78.46	23	52.36	15.35	15.69	0.99	8.16	24.39
	Medium	0.1	25	1378	650	64.19	18.81	41.95	12.3	12.84	0.81	5.64	16.86	1112	525	54.52	15.98	35.1	10.29	10.9	0.69	4.18	12.49
		0.2	50	1348	636	63.14	18.51	41.2	12.08	12.63	0.8	5.47	16.36	1109	523	54.4	15.95	35.02	10.26	10.88	0.69	4.16	12.44
		0.3	75	1277	603	60.6	17.76	39.39	11.55	12.12	0.76	5.08	15.17	1168	551	56.61	16.59	36.57	10.72	11.32	0.71	4.48	13.39
	Low	0.1	25	888	419	45.68	13.39	29.01	8.5	9.14	0.58	3.02	9.04	905	427	46.38	13.59	29.48	8.64	9.28	0.59	3.11	9.29
		0.2	50	911	430	46.62	13.66	29.65	8.69	9.32	0.59	3.14	9.38	795	375	41.75	12.24	26.36	7.73	8.35	0.53	2.57	7.67
		0.3	75	889	420	45.72	13.4	29.04	8.51	9.14	0.58	3.03	9.05	723	341	38.35	11.24	24.16	7.08	7.67	0.48	2.2	6.57
24	High	0.1	25	1997	942	88.1	25.82	58.48	17.14	17.62	1.11	10.66	31.87	2321	1095	97.76	28.65	65.84	19.3	19.55	1.23	12.91	38.6
		0.2	50	1852	874	83.72	24.54	55.15	16.16	16.74	1.06	9.71	29.02	2219	1047	94.68	27.75	63.51	18.62	18.94	1.19	12.17	36.39
		0.3	75	1696	800	78.43	22.99	51.32	15.04	15.69	0.99	8.61	25.75	2103	992	91.19	26.73	60.86	17.84	18.24	1.15	11.36	33.96
	Medium	0.1	25	1854	875	83.78	24.56	55.2	16.18	16.76	1.06	9.72	29.06	2012	949	88.54	25.95	58.82	17.24	17.71	1.12	10.76	32.17
		0.2	50	1702	803	78.64	23.05	51.47	15.09	15.73	0.99	8.66	25.87	1906	899	85.37	25.02	56.4	16.53	17.07	1.08	10.06	30.08
		0.3	75	1537	725	72.74	21.32	47.28	13.86	14.55	0.92	7.5	22.42	1781	840	81.4	23.86	53.45	15.67	16.28	1.03	9.22	27.57
	Low	0.1	25	1748	825	80.26	23.52	52.62	15.42	16.05	1.01	8.98	26.86	1690	798	78.22	22.93	51.17	15	15.64	0.99	8.57	25.62
		0.2	50	1595	753	74.84	21.94	48.77	14.29	14.97	0.94	7.9	23.62	1642	775	76.52	22.43	49.96	14.64	15.3	0.97	8.23	24.61
		0.3	75	1423	672	68.54	20.09	44.32	12.99	13.71	0.86	6.73	20.11	1556	734	73.43	21.52	47.77	14	14.69	0.93	7.63	22.81
28	High	0.1	25	2730	1288	120.26	35.25	79.83	23.4	24.05	1.52	15.7	46.92	2805	1324	122.47	35.9	81.53	23.9	24.49	1.55	16.23	48.52
		0.2	50	2539	1198	114.42	33.54	75.43	22.11	22.88	1.44	14.33	42.82	2794	1318	122.13	35.8	81.27	23.82	24.43	1.54	16.15	48.27
		0.3	75	2325	1097	107.58	31.53	70.35	20.62	21.52	1.36	12.79	38.25	2753	1299	120.94	35.45	80.35	23.55	24.19	1.53	15.86	47.4
	Medium	0.1	25	2107	994	100.35	29.41	65.06	19.07	20.07	1.27	11.26	33.67	1698	801	85.06	24.93	54.36	15.93	17.01	1.07	8.32	24.88
		0.2	50	2054	969	98.55	28.88	63.75	18.68	19.71	1.24	10.9	32.57	1703	804	85.26	24.99	54.5	15.97	17.05	1.08	8.36	24.98
		0.3	75	1941	916	94.65	27.74	60.93	17.86	18.93	1.19	10.12	30.25	1798	848	89.07	26.11	57.1	16.74	17.81	1.12	9.05	27.06
	Low	0.1	25	1360	642	70.89	20.78	44.83	13.14	14.18	0.89	5.97	17.83	1374	648	71.5	20.96	45.23	13.26	14.3	0.9	6.06	18.11
		0.2	50	1396	659	72.45	21.23	45.87	13.44	14.49	0.91	6.21	18.56	1211	571	64.29	18.84	40.46	11.86	12.86	0.81	4.99	14.93
		0.3	75	1355	639	70.67	20.71	44.68	13.1	14.13	0.89	5.93	17.73	1103	521	59.36	17.4	37.22	10.91	11.87	0.75	4.32	12.91
30	High	0.1	25	2792	1318	122.08	35.78	81.23	23.81	24.42	1.54	16.13	48.23	3299	1557	138.8	40.68	93.36	27.36	27.76	1.75	20.43	61.06
		0.2	50	2582	1218	115.76	33.93	76.43	22.4	23.15	1.46	14.64	43.75	3137	1480	133.45	39.12	89.49	26.23	26.69	1.68	19	56.81
		0.3	75	2359	1113	108.68	31.86	71.16	20.86	21.74	1.37	13.04	38.97	2960	1397	127.59	37.4	85.24	24.99	25.52	1.61	17.5	52.31
	Medium	0.1	25	2591	1223	116.04	34.01	76.64	22.46	23.21	1.46	14.7	43.94	2865	1352	124.45	36.48	82.96	24.32	24.89	1.57	16.72	49.97
		0.2	50	2370	1118	109.04	31.96	71.42	20.93	21.81	1.38	13.11	39.2	2693	1271	119.15	34.92	78.99	23.15	23.83	1.5	15.43	46.13
		0.3	75	2136	1008	101.33	29.7	65.77	19.28	20.27	1.28	11.46	34.27	2502	1181	113.26	33.2	74.56	21.85	22.65	1.43	14.06	42.03
	Low	0.1	25	2447	1155	111.51	32.68	73.26	21.47	22.3	1.41	13.67	40.85	2483	1172	112.66	33.02	74.11	21.72	22.53	1.42	13.92	41.62
		0.2	50	2220	1048	104.14	30.52	67.82	19.88	20.83	1.31	12.05	36.03	2372	1119	109.1	31.98	71.47	20.95	21.82	1.38	13.13	39.24
		0.3	75	1973	931	95.76	28.07	61.73	18.09	19.15	1.21	10.34	30.9	2217	1046	104.04	30.49	67.75	19.86	20.81	1.31	12.03	35.97

Table 8

Data based on 80°F/67°F (27°C/19.5°C) air on-coil DBT/WBT, 45°F (7.2°C) entering chilled water temperature and 10°F (5.5°C) water temperature rise.

Capacity Ratings - Hot Water

DYP - 1 ROW

Size	Speed	External Static Pressure		50Hz								60Hz							
				Airflow Rate		Total Capacity		Water Flow Rate		Water Pressure Drop		Airflow Rate		Total Capacity		Water Flow Rate		Water Pressure Drop	
		inwg	Pa	cfm	l/s	MBh	kW	gpm	l/s	ftwg	kPa	cfm	l/s	MBh	kW	gpm	l/s	ftwg	kPa
6	High	0.1	25	688	325	25.95	7.61	2.6	0.16	5.09	15.2	560	264	23.66	6.94	2.37	0.15	4.2	12.54
		0.2	50	669	316	25.63	7.51	2.56	0.16	4.95	14.8	573	270	23.92	7.01	2.39	0.15	4.29	12.82
		0.3	75	650	307	25.29	7.41	2.53	0.16	4.82	14.39	576	272	23.98	7.03	2.4	0.15	4.31	12.89
	Medium	0.1	25	509	240	22.68	6.65	2.27	0.14	3.86	11.53	429	202	21.14	6.2	2.11	0.13	3.37	10.07
		0.2	50	492	232	22.36	6.55	2.24	0.14	3.75	11.21	412	194	20.8	6.1	2.08	0.13	3.27	9.77
		0.3	75	472	223	21.98	6.44	2.2	0.14	3.63	10.84	388	183	20.3	5.95	2.03	0.13	3.12	9.34
	Low	0.1	25	388	183	20.3	5.95	2.03	0.13	3.12	9.34	312	147	18.54	5.43	1.85	0.12	2.67	7.97
		0.2	50	370	175	19.91	5.84	1.99	0.13	3.02	9.02	285	134	17.82	5.22	1.78	0.11	2.5	7.47
		0.3	75	340	160	19.22	5.63	1.92	0.12	2.84	8.48	258	122	17.04	5	1.7	0.11	2.33	6.95
8	High	0.1	25	889	420	32.88	9.64	3.29	0.21	8.82	26.38	910	429	33.24	9.74	3.32	0.21	9.05	27.06
		0.2	50	852	402	32.25	9.45	3.23	0.2	8.43	25.19	885	418	32.82	9.62	3.28	0.21	8.78	26.25
		0.3	75	806	380	31.45	9.22	3.14	0.2	7.94	23.74	856	404	32.32	9.47	3.23	0.2	8.47	25.32
	Medium	0.1	25	837	395	31.99	9.38	3.2	0.2	8.27	24.72	813	384	31.57	9.25	3.16	0.2	8.02	23.96
		0.2	50	797	376	31.29	9.17	3.13	0.2	7.85	23.47	787	371	31.11	9.12	3.11	0.2	7.75	23.15
		0.3	75	744	351	30.33	8.89	3.03	0.19	7.3	21.84	759	358	30.61	8.97	3.06	0.19	7.46	22.29
	Low	0.1	25	744	351	30.33	8.89	3.03	0.19	7.3	21.84	646	305	28.4	8.33	2.84	0.18	6.29	18.81
		0.2	50	704	332	29.59	8.67	2.96	0.19	6.9	20.63	623	294	27.92	8.18	2.79	0.18	6.06	18.11
		0.3	75	657	310	28.63	8.39	2.86	0.18	6.41	19.15	593	280	27.29	8	2.73	0.17	5.76	17.22
10	High	0.1	25	1046	494	39.96	11.71	4	0.25	2.92	8.72	1128	532	41.28	12.1	4.13	0.26	3.1	9.26
		0.2	50	965	455	38.61	11.32	3.86	0.24	2.75	8.21	1086	512	40.61	11.9	4.06	0.26	3.01	8.98
		0.3	75	875	413	37.01	10.85	3.7	0.23	2.56	7.64	1033	487	39.74	11.65	3.97	0.25	2.89	8.64
	Medium	0.1	25	946	446	38.29	11.22	3.83	0.24	2.71	8.09	858	405	36.71	10.76	3.67	0.23	2.52	7.53
		0.2	50	877	414	37.05	10.86	3.7	0.23	2.56	7.65	830	392	36.21	10.61	3.62	0.23	2.46	7.36
		0.3	75	799	377	35.65	10.45	3.57	0.22	2.4	7.18	802	378	35.71	10.47	3.57	0.23	2.41	7.2
	Low	0.1	25	740	349	34.58	10.14	3.46	0.22	2.29	6.84	564	266	30.6	8.97	3.06	0.19	1.91	5.71
		0.2	50	690	326	33.65	9.86	3.36	0.21	2.19	6.55	536	253	29.84	8.75	2.98	0.19	1.85	5.52
		0.3	75	636	300	32.4	9.5	3.24	0.2	2.07	6.19	505	238	28.97	8.49	2.9	0.18	1.78	5.31
12	High	0.1	25	1320	623	47.64	13.96	4.76	0.3	4.08	12.21	1105	521	44.08	12.92	4.41	0.28	3.5	10.46
		0.2	50	1289	608	47.14	13.82	4.71	0.3	4	11.95	1127	532	44.45	13.03	4.45	0.28	3.56	10.63
		0.3	75	1252	591	46.54	13.64	4.65	0.29	3.9	11.64	1127	532	44.45	13.03	4.45	0.28	3.56	10.63
	Medium	0.1	25	1014	479	42.44	12.44	4.24	0.27	3.25	9.73	857	404	39.53	11.59	3.95	0.25	2.86	8.54
		0.2	50	980	462	41.8	12.25	4.18	0.26	3.16	9.46	821	387	38.85	11.39	3.89	0.25	2.77	8.28
		0.3	75	940	444	41.06	12.04	4.11	0.26	3.06	9.15	771	364	37.89	11.11	3.79	0.24	2.65	7.93
	Low	0.1	25	759	358	37.65	11.04	3.77	0.24	2.62	7.85	605	285	34.36	10.07	3.44	0.22	2.26	6.76
		0.2	50	722	341	36.91	10.82	3.69	0.23	2.54	7.59	553	261	32.98	9.67	3.3	0.21	2.12	6.35
		0.3	75	660	311	35.6	10.44	3.56	0.22	2.39	7.15	500	236	31.29	9.17	3.13	0.2	1.97	5.88
15	High	0.1	25	1643	775	58.09	17.03	5.81	0.37	6.35	18.99	1701	803	59.02	17.3	5.9	0.37	6.59	19.7
		0.2	50	1582	747	57.09	16.73	5.71	0.36	6.11	18.26	1658	782	58.33	17.1	5.83	0.37	6.41	19.17
		0.3	75	1506	711	55.82	16.36	5.58	0.35	5.81	17.36	1608	759	57.52	16.86	5.75	0.36	6.21	18.57
	Medium	0.1	25	1573	742	56.94	16.69	5.69	0.36	6.07	18.15	1564	738	56.79	16.65	5.68	0.36	6.04	18.05
		0.2	50	1505	710	55.81	16.36	5.58	0.35	5.8	17.35	1522	718	56.09	16.44	5.61	0.35	5.87	17.55
		0.3	75	1419	670	54.34	15.93	5.43	0.34	5.47	16.35	1471	694	55.23	16.19	5.52	0.35	5.67	16.95
	Low	0.1	25	1444	681	54.77	16.05	5.48	0.35	5.57	16.64	1283	605	51.92	15.22	5.19	0.33	4.96	14.81
		0.2	50	1374	648	53.55	15.7	5.35	0.34	5.3	15.84	1238	584	51.1	14.98	5.11	0.32	4.79	14.31
		0.3	75	1291	609	52.07	15.26	5.21	0.33	4.98	14.9	1179	556	49.91	14.63	4.99	0.31	4.56	13.62
18	High	0.1	25	1971	930	73.81	21.63	7.38	0.47	5.7	17.04	2186	1032	77.38	22.68	7.74	0.49	6.34	18.95
		0.2	50	1809	854	70.99	20.81	7.1	0.45	5.23	15.64	2088	985	75.77	22.21	7.58	0.48	6.05	18.07
		0.3	75	1631	770	67.76	19.86	6.78	0.43	4.73	14.15	1974	932	73.86	21.65	7.39	0.47	5.71	17.06
	Medium	0.1	25	1800	849	70.83	20.76	7.08	0.45	5.21	15.56	1679	792	68.65	20.12	6.87	0.43	4.87	14.55
		0.2	50	1659	783	68.29	20.01	6.83	0.43	4.81	14.38	1628	768	67.7	19.84	6.77	0.43	4.72	14.12
		0.3	75	1502	709	65.16	19.1	6.52	0.41	4.36	13.03	1566	739	66.43	19.47	6.64	0.42	4.54	13.57
	Low	0.1	25	1429	674	63.74	18.68	6.37	0.4	4.17	12.46	1108	523	57.38	16.82	5.74	0.36	3.39	10.12
		0.2	50	1330	628	61.83	18.12	6.18	0.39	3.92	11.71	1051	496	56.15	16.46	5.62	0.35	3.25	9.72
		0.3	75	1221	576	59.69	17.5	5.97	0.38	3.65	10.92	988	466	54.74	16.04	5.47	0.35	3.1	9.27
21	High	0.1	25	2284	1078	86.21	25.27	8.62	0.54	8.25	24.66	2138	1009	83.67	24.52	8.37	0.53	7.68	22.97
		0.2	50	2146	1013	83.81	24.56	8.38	0.53	7.72	23.06	2149	1014	83.86	24.58	8.39	0.53	7.73	23.1
		0.3	75	1973	931	80.68	23.65	8.07	0.51	7.06	21.11	2148	1014	83.84	24.57	8.38	0.53	7.72	23.08
	Medium	0.1	25	1609	759	73.35	21.5	7.34	0.46	5.69	17.01	1332	629	67.29	19.72	6.73	0.42	4.72	14.12
		0.2	50	1611	760	73.4	21.51	7.34	0.46	5.7	17.03	1293	610	66.46	19.48	6.65	0.42	4.6	13.75
		0.3	75	1553	733	72.16	21.15	7.22	0.46	5.49	16.41	1336	630	67.38	19.75	6.74	0.43	4.74	14.16
	Low	0.1	25	1086	512	61.77	18.1	6.18	0.39	3.96	11.84	1137	537	62.98	18.46	6.3	0.4	4.12	12.31
		0.2	50	1112	525	62.39	18.29	6.24	0.39	4.04	12.08	991	468	59.37	17.4	5.94	0.37	3.66	10.95
		0.3	75	1100	519	62.1	18.2	6.21	0.39	4	11.97	894	422	56.71	16.62	5.67	0.36	3.35	10.03
24	High	0.1	25	2309	1090	93.58	27.43	9.36	0.59	10.16	30.38	2543	1200	97.77	28.65	9.78	0.62	11.32	33.85
		0.2	50	2160	1019	90.93	26.65	9.09	0.57	9.48	28.33	2474	1167	96.53	28.29	9.65	0.61	10.97	32.8
		0.3	75	1989	939	87.72	25.71	8.77	0.55	8.69	25.98	2382	1124	94.88	27.81	9.49	0.6	10.51	31.43
	Medium	0.1	25	2142	1011	90.62	26.56	9.06	0.57	9.4	28.09	2167	1023	91.06	26.69	9.11	0.57	9.51	28.42
		0.2	50	1985	937	87.64	25.69	8.76	0.55	8.67	25.92	2107	994	90	26.38	9	0.57	9.25	27.64
		0.3	75	1801	850	83.78	24.56	8.38	0.53	7.8	23.3	2010	949	88.14	25.83	8.81	0.56	8.79	26.28
	Low	0.1	25	1980	934	87.54	25.66	8.75	0.55	8.65	25.85	1710	807	81.79	23.97	8.18	0.52	7.37	22.03
		0.2	50	1843	870	84.68	24.82	8.47	0.53	7.99	23.9	1700	802	81.57	23.91	8.16	0.51	7.32	21.89
		0.3	75	1663	785	80.74	23.67	8.07	0.51	7.15	21.38	1668	787	80.85	23.7	8.09	0.51	7.18	21.45
28	High	0.1	25	3080	1453	127.63	37.41	12.76	0.81	23.09	69.01	2776	1310	120.45	35.31	12.05	0.76	19.82	59.26
		0.2	50	2946	1390	124.4	36.46	12.44	0.78	21.57	64.49	2793	1318	120.75	35.39	12.07	0.76	19.95	59.63
		0.3	75	2742	1294	119.86	35.13	11.99	0.76	19.57	58.5	2805	1324	120.99	35.46	12.1	0.76	20.05	59.94
	Medium	0.1	25	2067	975	106.08	31.09	10.61	0.67	14.3	42.73	1790	845	99.8	29.25	9.98	0.63	12.27	36.67
		0.2	50	2109	995	107	31.36	10.7	0.68	14.61	43.68	1694	799	97.53	28.59	9.75	0.62	11.59	34.65
		0.3	75	2075	979	106.26	31.14	10.63	0.67	14.36	42.91	1708	806	97.86	28.68	9.79	0.62	11.69	34.94
	Low	0.1	25	1364	644	88.93	26.06	8.89	0.56	9.27	27.7	1524	719	93.32	27.35	9.33	0.59	10.41	31.11
		0.2	50	1373	648	89.23	26.15	8.92	0.56	9.34	27.93	1301	614	86.75	25.43	8.67	0.55	8.74	26.12
		0.3	75	1395	658	89.9	26.35	8.99	0.57	9.51	28.43	1148	542	81.07	23.76	8.11	0.51	7.47	22.32
30	High	0.1	25	3321	1567	133.31	39.07	13.33	0.84	25.93	77.51	3738	1764	143.18	41.97	14.32	0.9	31.44	93.97
		0.2	50	3089	1458	127.84	37.47	12.78	0.81	23.19	69.32	3614	1705	140.41	41.15	14.04	0.89	29.81	89.12
		0.3	75	2828	1335	121.54	35.62	12.15	0.77	20.3	60.67	3458	1632	136.69	40.06	13.67	0.86	27.73	82.89
	Medium	0.1	25	3075	1451	127.51	37.37	12.75	0.8	23.03	68.84	3199	1510	130.46	38.24	13.05	0.82	24.47	73.15
		0.2	50	2830	1335	121.59	35.64	12.16	0.77	20.32	60.73	3080	1453	127.63	37.41	12.76	0.81	23.09	69.01
		0.3	75	2552	1204	116.3	34.09	11.63	0.73	18.09	54.08	2909	1373	123.5	36.2	12.35	0.78	21.17	63.27
	Low	0.1	25	2863	1351	122.39	35.87	12.24	0.77	20.67	61.78	2558	1207	116.42	34.12	11.64	0.73	18.14	54.22
		0.2	50	2634	1243	117.88	34.55	11.79	0.74	18.74	56.01	2535	1196	115.96	33.99	11.6	0.73	17.96	53.68
		0.3	75	2355	1111	112.29	32.91	11.23	0.71	16.53	49.4	2455	1159	114.36	33.52	11.44	0.72	17.32	51.77

Table 9

Data based on 70°F (21°C) air on-coil DBT and 180°F/160°F (82°C/71°C) entering/leaving water temperature.

FCU DISTRICT COOLING

Nominal Capacity Ratings

DCYP and DCYE

Chilled Water Coils

Size	Nominal Airflow	3 Rows				4 Rows				6 Rows			
		Total Capacity	Sensible Capacity	Water Flow Rate	Water Pressure Drop	Total Capacity	Sensible Capacity	Water Flow Rate	Water Pressure Drop	Total Capacity	Sensible Capacity	Water Flow Rate	Water Pressure Drop
	cfm	MBh	MBh	gpm	ftwg	MBh	MBh	gpm	ftwg	MBh	MBh	gpm	ftwg
	l/s	kW	kW	l/s	kPa	kW	kW	l/s	kPa	kW	kW	l/s	kPa
6	600	16.48	12.70	2.06	21.18	17.61	13.80	2.20	10.55	22.59	16.38	2.82	10.86
	283	4.83	3.72	0.13	63.30	5.16	4.04	0.14	31.54	6.62	4.80	0.18	32.48
8	800	18.51	15.47	2.31	9.98	22.06	17.73	2.76	8.18	32.14	22.61	4.02	22.16
	378	5.43	4.53	0.15	29.84	6.47	5.20	0.17	24.45	9.42	6.63	0.25	66.24
10	1000	23.51	19.60	2.94	9.16	32.42	24.15	4.05	20.40	37.99	27.40	4.75	13.19
	472	6.89	5.75	0.19	27.38	9.50	7.08	0.26	60.99	11.13	8.03	0.30	39.42
12	1200	30.28	24.15	3.78	14.13	33.09	26.59	4.14	7.35	42.92	31.73	5.37	7.67
	566	8.87	7.08	0.24	42.23	9.70	7.79	0.26	21.97	12.58	9.30	0.34	22.93
15	1500	32.55	27.99	4.07	6.25	44.52	34.29	5.57	13.57	56.37	40.70	7.05	13.59
	708	9.54	8.20	0.26	18.68	13.05	10.05	0.35	40.56	16.52	11.93	0.44	40.61
18	1800	46.73	36.85	5.84	14.79	53.34	41.41	6.67	11.22	65.49	48.10	8.19	7.87
	849	13.70	10.80	0.37	44.20	15.63	12.14	0.42	33.54	19.20	14.10	0.52	23.51
21	2100	48.76	40.73	6.09	8.29	59.38	47.14	7.42	8.31	79.54	57.38	9.94	12.02
	991	14.29	11.94	0.38	24.77	17.40	13.82	0.47	24.83	23.31	16.82	0.63	35.92
24	2400	60.55	48.29	7.57	13.05	72.43	55.59	9.05	12.68	96.41	67.84	12.05	18.18
	1133	17.75	14.15	0.48	39.01	21.23	16.29	0.57	37.90	28.26	19.88	0.76	54.33
28	2800	67.36	55.84	8.42	6.73	80.28	63.77	10.04	5.51	113.10	79.68	14.14	13.85
	1321	19.74	16.37	0.53	20.11	23.53	18.69	0.63	16.47	33.15	23.35	0.89	41.40
30	3000	70.54	58.81	8.82	7.31	84.13	67.29	10.52	5.99	120.57	84.97	15.07	15.51
	1416	20.68	17.24	0.56	21.84	24.66	19.72	0.66	17.90	35.34	24.90	0.95	46.38

Table 10

Notes

Chilled water capacity ratings are based on nominal air flow rate; air entering temperature DB/WB 78°F/65°F (25.5°C/18.3°C), 42°F (5.5°C) entering chilled water temperature and 16°F (8.9°C) water temperature rise.

For conditions other than rated, use SKM FCU Computer Selection Software

**** 28 and 30 available only for DCYP units.***

Capacity Ratings - Chilled Water

DCYP - 3 ROWS

Size	Speed	External Static Pressure		50HZ										60Hz									
				Airflow Rate		Total Capacity		Sensible Capacity		Water Flow Rate		Water Pressure Drop		Airflow Rate		Total Capacity		Sensible Capacity		Water Flow Rate		Water Pressure Drop	
		inwg	Pa	cfm	l/s	MBh	kW	MBh	kW	gpm	l/s	ftwg	kPa	cfm	l/s	MBh	kW	MBh	kW	gpm	l/s	ftwg	kPa
6	High	0.1	25	664.875	314	17.71	5.19	13.73	4.03	2.21	0.14	24.05	71.88	573.552	271	15.28	4.48	12.01	3.52	1.91	0.12	18.53	55.38
		0.2	50	646.16	305	17.18	5.03	13.37	3.92	2.15	0.14	22.78	68.1	580.608	274	15.45	4.53	12.14	3.56	1.93	0.12	18.89	56.47
		0.3	75	623.505	294	16.55	4.85	12.94	3.79	2.07	0.13	21.33	63.76	576.576	272	15.35	4.5	12.07	3.54	1.92	0.12	18.68	55.84
	Medium	0.1	25	496.44	234	13.71	4.02	10.72	3.14	1.71	0.11	15.31	45.75	420.225	198	12.62	3.7	9.59	2.81	1.58	0.1	13.21	39.49
		0.2	50	481.665	227	13.47	3.95	10.49	3.07	1.68	0.11	14.83	44.33	405.6	191	12.44	3.65	9.38	2.75	1.55	0.1	12.88	38.51
		0.3	75	462.95	218	13.19	3.86	10.2	2.99	1.65	0.1	14.28	42.68	384.15	181	12.16	3.56	9.07	2.66	1.52	0.1	12.38	37
	Low	0.1	25	384.15	181	12.16	3.56	9.07	2.66	1.52	0.1	12.38	37	313.95	148	11.14	3.26	7.99	2.34	1.39	0.09	10.6	31.69
		0.2	50	371.345	175	11.99	3.51	8.88	2.6	1.5	0.09	12.07	36.09	289.575	137	10.71	3.14	7.57	2.22	1.34	0.08	9.89	29.55
		0.3	75	346.72	164	11.65	3.41	8.5	2.49	1.46	0.09	11.47	34.29	264.225	125	10.19	2.99	7.12	2.09	1.27	0.08	9.07	27.11
8	High	0.1	25	855.075	404	19.25	5.64	16.22	4.75	2.41	0.15	10.7	31.98	886.275	418	20	5.86	16.76	4.91	2.5	0.16	11.45	34.24
		0.2	50	804.375	380	18.2	5.33	15.39	4.51	2.27	0.14	9.69	28.95	853.125	403	19.2	5.63	16.18	4.74	2.4	0.15	10.65	31.85
		0.3	75	743.925	351	17.16	5.03	14.47	4.24	2.15	0.14	8.73	26.09	816.075	385	18.41	5.4	15.57	4.56	2.3	0.15	9.89	29.56
	Medium	0.1	25	790.725	373	17.95	5.26	15.18	4.45	2.24	0.14	9.46	28.27	798.975	377	18.1	5.31	15.3	4.49	2.26	0.14	9.59	28.68
		0.2	50	741.975	350	17.13	5.02	14.44	4.23	2.14	0.14	8.7	26	770.835	364	17.61	5.16	14.88	4.36	2.2	0.14	9.14	27.31
		0.3	75	685.425	323	16.26	4.77	13.61	3.99	2.03	0.13	7.93	23.71	739.68	349	17.09	5.01	14.41	4.22	2.14	0.13	8.67	25.91
	Low	0.1	25	702	331	16.51	4.84	13.85	4.06	2.06	0.13	8.14	24.35	641.19	303	15.63	4.58	12.97	3.8	1.95	0.12	7.4	22.11
		0.2	50	663	313	15.94	4.67	13.29	3.89	1.99	0.13	7.65	22.88	618.075	292	15.32	4.49	12.64	3.7	1.91	0.12	7.13	21.33
		0.3	75	621.075	293	15.36	4.5	12.68	3.72	1.92	0.12	7.17	21.42	589.935	278	14.94	4.38	12.24	3.59	1.87	0.12	6.83	20.42
10	High	0.1	25	987.1949	466	22.81	6.68	19.22	5.63	2.85	0.18	8.68	25.93	1083.922	512	24.48	7.17	20.69	6.07	3.06	0.19	9.83	29.4
		0.2	50	910.96	430	21.64	6.34	18.1	5.31	2.7	0.17	7.9	23.62	1041.11	491	23.71	6.95	20.04	5.87	2.96	0.19	9.29	27.78
		0.3	75	827.97	391	20.47	6	16.91	4.96	2.56	0.16	7.17	21.42	987.595	466	22.81	6.69	19.23	5.64	2.85	0.18	8.68	25.95
	Medium	0.1	25	897.45	424	21.44	6.28	17.91	5.25	2.68	0.17	7.78	23.25	854.556	403	20.84	6.11	17.29	5.07	2.6	0.16	7.39	22.1
		0.2	50	832.795	393	20.54	6.02	16.98	4.98	2.57	0.16	7.21	21.54	827.475	390	20.47	6	16.9	4.95	2.56	0.16	7.16	21.41
		0.3	75	758.49	358	19.56	5.73	15.91	4.66	2.45	0.15	6.61	19.76	800.394	378	20.11	5.89	16.51	4.84	2.51	0.16	6.94	20.75
	Low	0.1	25	709.275	335	18.93	5.55	15.2	4.46	2.37	0.15	6.23	18.64	565.692	267	17	4.98	13.06	3.83	2.12	0.13	5.15	15.4
		0.2	50	661.99	312	18.31	5.37	14.51	4.25	2.29	0.14	5.88	17.58	538.611	254	16.59	4.86	12.64	3.7	2.07	0.13	4.94	14.76
		0.3	75	610.845	288	17.63	5.17	13.75	4.03	2.2	0.14	5.5	16.44	507.518	239	16.11	4.72	12.14	3.56	2.01	0.13	4.69	14
12	High	0.1	25	1294.601	611	31.83	9.33	25.54	7.48	3.98	0.25	15.44	46.15	1139.845	538	27.9	8.18	22.73	6.66	3.49	0.22	12.22	36.54
		0.2	50	1256.03	593	30.82	9.03	24.83	7.28	3.85	0.24	14.58	43.57	1145.935	541	28.05	8.22	22.84	6.69	3.51	0.22	12.33	36.87
		0.3	75	1208.558	570	29.59	8.67	23.96	7.02	3.7	0.23	13.56	40.54	1132.74	535	27.74	8.13	22.61	6.63	3.47	0.22	12.09	36.15
	Medium	0.1	25	987.022	466	24.82	7.27	20.2	5.92	3.1	0.2	9.92	29.67	836.92	395	22.75	6.67	18.03	5.28	2.84	0.18	8.51	25.44
		0.2	50	955.374	451	24.36	7.14	19.74	5.79	3.04	0.19	9.6	28.7	804.58	380	22.34	6.55	17.56	5.15	2.79	0.18	8.24	24.62
		0.3	75	914.825	432	23.79	6.97	19.15	5.61	2.97	0.19	9.21	27.53	761.46	359	21.79	6.39	16.94	4.97	2.72	0.17	7.88	23.55
	Low	0.1	25	753.618	356	21.69	6.36	16.83	4.93	2.71	0.17	7.81	23.36	592.8	280	19.47	5.71	14.41	4.22	2.43	0.15	6.46	19.3
		0.2	50	722.959	341	21.29	6.24	16.38	4.8	2.66	0.17	7.56	22.61	546.25	258	18.72	5.49	13.65	4	2.34	0.15	6.02	17.99
		0.3	75	672.52	317	20.62	6.04	15.64	4.58	2.58	0.16	7.15	21.37	497.8	235	17.83	5.23	12.82	3.76	2.23	0.14	5.52	16.51
15	High	0.1	25	1629.858	769	34.32	10.06	29.75	8.72	4.29	0.27	6.87	20.53	1660.98	784	34.94	10.24	30.24	8.86	4.37	0.28	7.09	21.2
		0.2	50	1523.268	719	32.33	9.48	28.11	8.24	4.04	0.25	6.18	18.46	1595.18	753	33.65	9.86	29.21	8.56	4.21	0.27	6.63	19.83
		0.3	75	1402.143	662	30.29	8.88	26.3	7.71	3.79	0.24	5.5	16.43	1519.98	717	32.27	9.46	28.06	8.22	4.03	0.25	6.16	18.4
	Medium	0.1	25	1511.64	713	32.13	9.42	27.94	8.19	4.02	0.25	6.11	18.25	1516.125	715	32.21	9.44	28	8.21	4.03	0.25	6.13	18.33
		0.2	50	1411.833	666	30.45	8.92	26.45	7.75	3.81	0.24	5.55	16.59	1461.525	690	31.26	9.16	27.18	7.97	3.91	0.25	5.82	17.39
		0.3	75	1299.429	613	28.71	8.42	24.81	7.27	3.59	0.23	5	14.94	1393.275	657	30.15	8.84	26.17	7.67	3.77	0.24	5.45	16.3
	Low	0.1	25	1352.724	638	29.52	8.65	25.58	7.5	3.69	0.23	5.25	15.69	1262.28	596	28.17	8.26	24.27	7.11	3.52	0.22	4.83	14.44
		0.2	50	1277.142	603	28.39	8.32	24.49	7.18	3.55	0.22	4.9	14.64	1213.035	572	27.48	8.05	23.57	6.91	3.43	0.22	4.62	13.82
		0.3	75	1189.932	562	27.16	7.96	23.24	6.81	3.39	0.21	4.53	13.53	1153.74	544	26.67	7.82	22.73	6.66	3.33	0.21	4.38	13.1
18	High	0.1	25	1835.528	866	46.2	13.54	36.95	10.83	5.77	0.36	14.49	43.31	2071.104	977	52.51	15.39	41.34	12.12	6.56	0.41	18.19	54.38
		0.2	50	1687.038	796	42.56	12.47	34.28	10.05	5.32	0.34	12.52	37.43	1972.572	931	49.85	14.61	39.51	11.58	6.23	0.39	16.59	49.59
		0.3	75	1523.22	719	39.2	11.49	31.54	9.24	4.9	0.31	10.82	32.35	1865.346	880	46.97	13.77	37.5	10.99	5.87	0.37	14.93	44.61
	Medium	0.1	25	1687.038	796	42.56	12.47	34.28	10.05	5.32	0.34	12.52	37.43	1624.35	767	41.18	12.07	33.2	9.73	5.15	0.32	11.81	35.31
		0.2	50	1555.792	734	39.8	11.67	32.07	9.4	4.98	0.31	11.12	33.24	1574.625	743	40.17	11.77	32.37	9.49	5.02	0.32	11.3	33.79
		0.3	75	1411.134	666	37.36	10.95	29.81	8.74	4.67	0.29	9.94	29.71	1511.25	713	38.98	11.43	31.35	9.19	4.87	0.31	10.72	32.04
	Low	0.1	25	1354.612	639	36.6	10.73	29	8.5	4.57	0.29	9.58	28.64	1082.9	511	33.09	9.7	25.07	7.35	4.14	0.26	8.01	23.96
		0.2	50	1261.686	595	35.39	10.37	27.66	8.11	4.42	0.28	9.03	26.98	1028.02	485	32.35	9.48	24.26	7.11	4.04	0.26	7.7	23.02
		0.3	75	1160.138	547	34.09	9.99	26.2	7.68	4.26	0.27	8.45	25.26	968.24	457	31.51	9.24	23.35	6.84	3.94	0.25	7.35	21.97
21	High	0.1	25	2126.1	1003	48.19	14.12	40.74	11.94	6.02	0.38	8.11	24.25	2163.42	1021	48.87	14.32	41.32	12.11	6.11	0.39	8.32	24.87
		0.2	50	1990.25	939	45.87	13.44	38.68	11.34	5.73	0.36	7.43	22.22	2172.51	1025	49.04	14.37	41.46	12.15	6.13	0.39	8.37	25.02
		0.3	75	1827.8	863	43.36	12.71	36.29	10.64	5.42	0.34	6.72	20.1	2164.43	1021	48.89	14.33	41.33	12.12	6.11	0.39	8.32	24.88
	Medium	0.1	25	1629.13	769	40.59	11.9	33.43	9.8	5.07	0.32	5.98	17.87	1359.15	641	37.08	10.87	29.54	8.66	4.64	0.29	5.09	15.22
		0.2	50	1622.06	765	40.49	11.87	33.33	9.77	5.06	0.32	5.95	17.8	1325.325	625	36.64	10.74	29.04	8.51	4.58	0.29	4.98	14.9
		0.3	75	1556.41	734	39.63	11.62	32.39	9.49	4.95	0.31	5.73	17.13	1375.55	649	37.29	10.93	29.78	8.73	4.66	0.29	5.14	15.37
	Low	0.1	25	1096.86	518	33.48	9.81	25.59	7.5	4.19	0.26	4.25	12.69	1100.95	520	33.55	9.83	25.65	7.52	4.19	0.26	4.26	12.73
		0.2	50	1123.12	530	33.87	9.93	26	7.62	4.23	0.27	4.33	12.95	967.09	456	31.41	9.21	23.48	6.88	3.93	0.25	3.79	11.33
		0.3	75	1111	524	33.69	9.88	25.81	7.56	4.21	0.27	4.29	12.83	873.97	412	29.71	8.71	21.87	6.41	3.71	0.23	3.43	10.26
24	High	0.1	25	2178.24	1028	53.52	15.69	43.71	12.81	6.69	0.42	10.48	31.32	2456.025	1159	60.17	17.64	48.63	14.25	7.52	0.47	12.9	38.57
		0.2	50	2036.16	961	50.67	14.85	41.36	12.12	6.33	0.4	9.51	28.41	2383.875	1125	58.34	17.1	47.32	13.87	7.29	0.46	12.21	36.51
		0.3	75	1874.88	885	48.21	14.13	38.96	11.42	6.03	0.38	8.7	26	2290.275	1081	56.06	16.43	45.65	13.38	7.01	0.44	11.38	34.01
	Medium	0.1	25	2022.72	955	50.42	14.78	41.15	12.06	6.3	0.4	9.42	28.17	2101.125	992	51.92	15.22	42.42	12.43	6.49	0.41	9.93	29.67
		0.2	50	1872.96	884	48.18	14.12	38.93	11.41	6.02	0.38	8.69	25.98	2035.8	961	50.66	14.85	41.36	12.12	6.33	0.4	9.5	28.41
		0.3	75	1700.16	802	45.85	13.44	36.44	10.68	5.73	0.36	7.96	23.79	1936.35	914	49.08	14.39	39.85	11.68	6.14	0.39	8.98	26.85
	Low	0.1	25	1878.72	887	48.26	14.15	39.02	11.44	6.03	0.38	8.72	26.06	1716.54	810	46.06	13.5	36.67	10.75	5.76	0.36	8.02	23.98
		0.2	50	1744.32	823	46.43	13.61	37.07	10.87	5.8	0.37	8.14	24.32	1706.49	805	45.93	13.46	36.53	10.71	5.74	0.36	7.98	23.86
		0.3	75	1574.4	743	44.23	12.96	34.62	10.15	5.53	0.35	7.47	22.32	1669.305	788	45.45	13.32	35.99	10.55	5.68	0.36	7.83	23.42
28	High	0.1	25	2942.285	1388	68.11	19.96	57.39	16.82	8.51	0.54	6.86	20.51	2806.79	1325	66.01	19.35	55.39	16.23	8.25	0.52	6.49	19.4
		0.2	50	2797.535	1320	65.87	19.31	55.25	16.19	8.23	0.52	6.47	19.33	2824.97	1333	66.28	19.43	55.65	16.31	8.29	0.52	6.54	19.54
		0.3	75	2596.815	1225	62.97	18.46	52.35	15.34	7.87	0.5	5.97	17.83	2833.05	1337	66.41	19.46	55.77	16.35	8.3	0.52	6.56	19.61
	Medium	0.1	25	2115.48	998	56.61	16.59	45.43	13.32	7.08	0.45	4.94	14.76	1803.86	851	52.5	15.39	40.83	11.97	6.56	0.41	4.32	12.9
		0.2	50	2151.18	1015	57.08	16.73	45.95	13.47	7.13	0.45	5.01	14.97	1710.94	807	51.19	15	39.41	11.55	6.4	0.4	4.13	12.33
		0.3	75	2109.36	995	56.54	16.57	45.34	13.29	7.07	0.45	4.92	14.72	1726.09	815	51.41	15.07	39.64	11.62	6.43	0.41	4.16	12.43
	Low	0.1	25	1396.38	659	46.16	13.53	34.3	10.05	5.77	0.36	3.43	10.26	1472.64	695	47.49	13.92	35.59	10.43	5.94	0.37	3.61	10.79
		0.2	50	1396.38	659	46.16	13.53	34.3	10.05	5.77	0.36	3.43	10.26	1270.08	599	43.76	12.83	32.06	9.4	5.47	0.35	3.12	9.33
		0.3	75	1423.92	672	46.65	13.67	34.77	10.19	5.83	0.37	3.5	10.46	1123.2	530	40.58	11.89	29.28	8.58	5.07	0.32	2.73	8.16
30	High	0.1	25	3082.75	1455	70.43	20.64	59.49	17.44	8.8	0.56	7.28	21.77	3556.99	1679	80.3	23.54	67.26	19.71	10.04	0.63	9.21	27.52
		0.2	50	2867.1	1353	66.93	19.62	56.27	16.49	8.37	0.53	6.65	19.88	3428.645	1618	77.2	22.63	65.01	19.05	9.65	0.61	8.58	25.65
		0.3	75	2626.75	1240	63.39	18.58	52.78	15.47	7.92	0.5	6.04	18.05	3271.35	1544	73.79	21.63	62.39	18.29	9.22	0.58	7.92	23.66
	Medium	0.1	25	2858.55	1349	66.8	19.58	56.15	16.46	8.35	0.53	6.63	19.81	3056.155	1442	69.98	20.51	59.09	17.32	8.75	0.55	7.2	21.53
		0.2	50	2630.55	1241	63.44	18.59	52.83	15.48	7.93	0.5	6.05	18.07	2929.74	1383	67.91	19.9	57.2	16.77	8.49	0.54	6.83	20.41
		0.3	75	2375.95	1121	59.99	17.58	49.18	14.41	7.5	0.47	5.47	16.36	2759.9	1302	65.31	19.14	54.7	16.03	8.16	0.52	6.37	19.03
	Low	0.1	25	2673.3	1262	64.05	18.77	53.45	15.67	8.01	0.51	6.15	18.38	2543.22	1200	62.23	18.24	51.57	15.12	7.78	0.49	5.84	17.46
		0.2	50	2455.75	1159	61.04	17.89	50.32	14.75	7.63	0.48	5.65	16.88	2513.37	1186	61.82	18.12	51.15	14.99	7.73	0.49	5.77	17.26
		0.3	75	2197.35	1037	57.67	16.9	46.61	13.66	7.21	0.45	5.1	15.25	2422.825	1143	60.61	17.76	49.85	14.61	7.58	0.48	5.57	16.66

Table 11

Data based on 78°F/65°F (25.6°C/18.3°C) air on-coil DBT/WBT and 42°F/58°F (5.5°C/14.4°C) entering/leaving water temperature.

DCYP - 3 ROWS

Size	Speed	External Static Pressure		50HZ										60Hz									
				Airflow Rate		Total Capacity		Sensible Capacity		Water Flow Rate		Water Pressure Drop		Airflow Rate		Total Capacity		Sensible Capacity		Water Flow Rate		Water Pressure Drop	
		inwg	Pa	cfm	l/s	MBh	kW	MBh	kW	gpm	l/s	ftwg	kPa	cfm	l/s	MBh	kW	MBh	kW	gpm	l/s	ftwg	kPa
6	High	0.1	25	664.875	314	14.22	4.17	12.66	3.71	1.78	0.11	16.31	48.75	573.552	271	12.45	3.65	11.16	3.27	1.56	0.1	12.91	38.58
		0.2	50	646.16	305	13.81	4.05	12.34	3.62	1.73	0.11	15.5	46.34	580.608	274	12.56	3.68	11.26	3.3	1.57	0.1	13.1	39.17
		0.3	75	623.505	294	13.35	3.91	11.96	3.5	1.67	0.11	14.6	43.64	576.576	272	12.5	3.66	11.2	3.28	1.56	0.1	12.99	38.82
	Medium	0.1	25	496.44	234	11.46	3.36	10.06	2.95	1.43	0.09	11.16	33.35	420.225	198	10.59	3.1	8.98	2.63	1.32	0.08	9.69	28.97
		0.2	50	481.665	227	11.29	3.31	9.85	2.89	1.41	0.09	10.86	32.45	405.6	191	10.42	3.05	8.78	2.57	1.3	0.08	9.42	28.17
		0.3	75	462.95	218	11.07	3.25	9.59	2.81	1.38	0.09	10.49	31.36	384.15	181	10.17	2.98	8.47	2.48	1.27	0.08	9.03	26.99
	Low	0.1	25	384.15	181	10.17	2.98	8.47	2.48	1.27	0.08	9.03	26.99	313.95	148	9.26	2.72	7.4	2.17	1.16	0.07	7.66	22.9
		0.2	50	371.345	175	10.02	2.94	8.28	2.43	1.25	0.08	8.79	26.28	289.575	137	8.89	2.61	7	2.05	1.11	0.07	7.13	21.31
		0.3	75	346.72	164	9.71	2.85	7.91	2.32	1.21	0.08	8.32	24.88	264.225	125	8.46	2.48	6.56	1.92	1.06	0.07	6.53	19.51
8	High	0.1	25	855.075	404	16.17	4.74	15.36	4.5	2.02	0.13	7.86	23.49	886.275	418	16.67	4.89	15.82	4.64	2.08	0.13	8.29	24.79
		0.2	50	804.375	380	15.41	4.52	14.62	4.29	1.93	0.12	7.21	21.57	853.125	403	16.14	4.73	15.33	4.49	2.02	0.13	7.83	23.41
		0.3	75	743.925	351	14.58	4.27	13.76	4.03	1.82	0.11	6.54	19.55	816.075	385	15.58	4.57	14.79	4.34	1.95	0.12	7.36	21.99
	Medium	0.1	25	790.725	373	15.22	4.46	14.43	4.23	1.9	0.12	7.05	21.09	798.975	377	15.34	4.5	14.55	4.26	1.92	0.12	7.15	21.38
		0.2	50	741.975	350	14.56	4.27	13.74	4.03	1.82	0.11	6.52	19.48	770.835	364	14.94	4.38	14.14	4.15	1.87	0.12	6.83	20.41
		0.3	75	685.425	323	13.83	4.05	12.94	3.79	1.73	0.11	5.96	17.81	739.68	349	14.53	4.26	13.7	4.02	1.82	0.11	6.49	19.41
	Low	0.1	25	702	331	14.04	4.12	13.17	3.86	1.76	0.11	6.12	18.28	641.19	303	13.3	3.9	12.32	3.61	1.66	0.1	5.56	16.61
		0.2	50	663	313	13.56	3.97	12.63	3.7	1.7	0.11	5.75	17.19	618.075	292	13.03	3.82	12	3.52	1.63	0.1	5.36	16.01
		0.3	75	621.075	293	13.07	3.83	12.04	3.53	1.63	0.1	5.38	16.09	589.935	278	12.7	3.72	11.6	3.4	1.59	0.1	5.12	15.31
10	High	0.1	25	987.1949	466	19.38	5.68	18.28	5.36	2.42	0.15	6.5	19.43	1083.922	512	20.72	6.07	19.66	5.76	2.59	0.16	7.32	21.88
		0.2	50	910.96	430	18.41	5.4	17.21	5.04	2.3	0.15	5.94	17.75	1041.11	491	20.11	5.89	19.05	5.58	2.51	0.16	6.94	20.75
		0.3	75	827.97	391	17.42	5.1	16.05	4.7	2.18	0.14	5.38	16.09	987.595	466	19.38	5.68	18.29	5.36	2.42	0.15	6.5	19.44
	Medium	0.1	25	897.45	424	18.24	5.35	17.02	4.99	2.28	0.14	5.84	17.47	854.556	403	17.73	5.2	16.42	4.81	2.22	0.14	5.55	16.6
		0.2	50	832.795	393	17.47	5.12	16.12	4.72	2.18	0.14	5.41	16.18	827.475	390	17.41	5.1	16.04	4.7	2.18	0.14	5.38	16.08
		0.3	75	758.49	358	16.62	4.87	15.08	4.42	2.08	0.13	4.95	14.8	800.394	378	17.1	5.01	15.67	4.59	2.14	0.13	5.21	15.57
	Low	0.1	25	709.275	335	16.05	4.7	14.38	4.22	2.01	0.13	4.66	13.92	565.692	267	14.3	4.19	12.27	3.6	1.79	0.11	3.8	11.35
		0.2	50	661.99	312	15.5	4.54	13.7	4.02	1.94	0.12	4.38	13.08	538.611	254	13.94	4.09	11.85	3.47	1.74	0.11	3.63	10.85
		0.3	75	610.845	288	14.88	4.36	12.95	3.8	1.86	0.12	4.07	12.17	507.518	239	13.5	3.96	11.36	3.33	1.69	0.11	3.43	10.25
12	High	0.1	25	1294.601	611	25.73	7.54	23.7	6.95	3.22	0.2	10.59	31.65	1139.845	538	23.08	6.77	21.32	6.25	2.89	0.18	8.73	26.1
		0.2	50	1256.03	593	24.94	7.31	23.06	6.76	3.12	0.2	10.01	29.93	1145.935	541	23.18	6.79	21.41	6.28	2.9	0.18	8.79	26.28
		0.3	75	1208.558	570	24.15	7.08	22.34	6.55	3.02	0.19	9.46	28.27	1132.74	535	22.98	6.74	21.22	6.22	2.87	0.18	8.66	25.89
	Medium	0.1	25	987.022	466	21.01	6.16	19.12	5.6	2.63	0.17	7.39	22.08	836.92	395	19.22	5.63	17.01	4.99	2.4	0.15	6.31	18.87
		0.2	50	955.374	451	20.62	6.04	18.68	5.47	2.58	0.16	7.15	21.36	804.58	380	18.85	5.53	16.56	4.85	2.36	0.15	6.1	18.22
		0.3	75	914.825	432	20.13	5.9	18.11	5.31	2.52	0.16	6.85	20.47	761.46	359	18.36	5.38	15.94	4.67	2.29	0.14	5.82	17.39
	Low	0.1	25	753.618	356	18.27	5.35	15.83	4.64	2.28	0.14	5.77	17.24	592.8	280	16.27	4.77	13.43	3.94	2.03	0.13	4.7	14.04
		0.2	50	722.959	341	17.91	5.25	15.39	4.51	2.24	0.14	5.57	16.64	546.25	258	15.6	4.57	12.69	3.72	1.95	0.12	4.36	13.03
		0.3	75	672.52	317	17.3	5.07	14.65	4.29	2.16	0.14	5.24	15.66	497.8	235	14.83	4.35	11.87	3.48	1.85	0.12	3.99	11.91
15	High	0.1	25	1629.858	769	28.96	8.49	28.29	8.29	3.62	0.23	5.07	15.17	1660.98	784	29.43	8.62	28.73	8.42	3.68	0.23	5.22	15.61
		0.2	50	1523.268	719	27.42	8.04	26.79	7.85	3.43	0.22	4.6	13.76	1595.18	753	28.45	8.34	27.8	8.15	3.56	0.22	4.92	14.69
		0.3	75	1402.143	662	25.81	7.56	25.1	7.36	3.23	0.2	4.13	12.35	1519.98	717	27.37	8.02	26.74	7.84	3.42	0.22	4.59	13.72
	Medium	0.1	25	1511.64	713	27.26	7.99	26.62	7.8	3.41	0.21	4.56	13.62	1516.125	715	27.32	8.01	26.69	7.82	3.42	0.22	4.58	13.68
		0.2	50	1411.833	666	25.93	7.6	25.24	7.4	3.24	0.2	4.17	12.46	1461.525	690	26.58	7.79	25.92	7.6	3.32	0.21	4.36	13.02
		0.3	75	1299.429	613	24.52	7.19	23.69	6.94	3.07	0.19	3.77	11.28	1393.275	657	25.69	7.53	24.98	7.32	3.21	0.2	4.1	12.26
	Low	0.1	25	1352.724	638	25.18	7.38	24.42	7.16	3.15	0.2	3.96	11.82	1262.28	596	24.08	7.06	23.18	6.79	3.01	0.19	3.65	10.92
		0.2	50	1277.142	603	24.26	7.11	23.38	6.85	3.03	0.19	3.7	11.06	1213.035	572	23.5	6.89	22.5	6.6	2.94	0.19	3.5	10.46
		0.3	75	1189.932	562	23.23	6.81	22.19	6.5	2.9	0.18	3.43	10.24	1153.74	544	22.81	6.69	21.69	6.36	2.85	0.18	3.32	9.92
18	High	0.1	25	1835.528	866	37.37	10.95	34.28	10.05	4.67	0.29	9.94	29.72	2071.104	977	42.34	12.41	38.24	11.21	5.29	0.33	12.41	37.09
		0.2	50	1687.038	796	35.12	10.29	32.08	9.4	4.39	0.28	8.91	26.63	1972.572	931	40.18	11.78	36.56	10.72	5.02	0.32	11.31	33.8
		0.3	75	1523.22	719	32.93	9.65	29.73	8.71	4.12	0.26	7.95	23.75	1865.346	880	37.93	11.12	34.76	10.19	4.74	0.3	10.21	30.51
	Medium	0.1	25	1687.038	796	35.12	10.29	32.08	9.4	4.39	0.28	8.91	26.63	1624.35	767	34.25	10.04	31.17	9.14	4.28	0.27	8.52	25.47
		0.2	50	1555.792	734	33.35	9.77	30.19	8.85	4.17	0.26	8.12	24.29	1574.625	743	33.59	9.85	30.46	8.93	4.2	0.26	8.23	24.6
		0.3	75	1411.134	666	31.56	9.25	28.15	8.25	3.95	0.25	7.37	22.03	1511.25	713	32.78	9.61	29.56	8.66	4.1	0.26	7.88	23.56
	Low	0.1	25	1354.612	639	30.9	9.06	27.36	8.02	3.86	0.24	7.1	21.21	1082.9	511	27.76	8.14	23.49	6.88	3.47	0.22	5.87	17.54
		0.2	50	1261.686	595	29.82	8.74	26.05	7.63	3.73	0.24	6.67	19.92	1028.02	485	27.09	7.94	22.68	6.65	3.39	0.21	5.62	16.8
		0.3	75	1160.138	547	28.66	8.4	24.6	7.21	3.58	0.23	6.21	18.57	968.24	457	26.34	7.72	21.78	6.38	3.29	0.21	5.35	15.98
21	High	0.1	25	2126.1	1003	40.83	11.97	38.73	11.35	5.1	0.32	6.04	18.06	2163.42	1021	41.37	12.13	39.26	11.51	5.17	0.33	6.18	18.49
		0.2	50	1990.25	939	38.97	11.42	36.79	10.78	4.87	0.31	5.56	16.62	2172.51	1025	41.5	12.16	39.4	11.55	5.19	0.33	6.22	18.59
		0.3	75	1827.8	863	36.89	10.81	34.51	10.11	4.61	0.29	5.04	15.08	2164.43	1021	41.39	12.13	39.28	11.51	5.17	0.33	6.19	18.5
	Medium	0.1	25	1629.13	769	34.52	10.12	31.73	9.3	4.32	0.27	4.48	13.4	1359.15	641	31.4	9.2	27.92	8.18	3.93	0.25	3.79	11.33
		0.2	50	1622.06	765	34.44	10.09	31.63	9.27	4.31	0.27	4.46	13.34	1325.325	625	31.01	9.09	27.43	8.04	3.88	0.24	3.7	11.07
		0.3	75	1556.41	734	33.68	9.87	30.71	9	4.21	0.27	4.29	12.83	1375.55	649	31.6	9.26	28.15	8.25	3.95	0.25	3.83	11.45
	Low	0.1	25	1096.86	518	28.14	8.25	24.01	7.04	3.52	0.22	3.12	9.32	1100.95	520	28.2	8.27	24.07	7.06	3.52	0.22	3.13	9.36
		0.2	50	1123.12	530	28.5	8.35	24.41	7.16	3.56	0.22	3.19	9.53	967.09	456	26.29	7.7	21.93	6.43	3.29	0.21	2.76	8.26
		0.3	75	1111	524	28.33	8.3	24.23	7.1	3.54	0.22	3.16	9.43	873.97	412	24.81	7.27	20.36	5.97	3.1	0.2	2.49	7.45
24	High	0.1	25	2178.24	1028	44.71	13.11	41.16	12.06	5.59	0.35	7.61	22.75	2456.025	1159	48.93	14.34	45.27	13.27	6.12	0.39	8.93	26.7
		0.2	50	2036.16	961	42.81	12.55	39.12	11.47	5.35	0.34	7.04	21.06	2383.875	1125	47.76	14	44.18	12.95	5.97	0.38	8.56	25.58
		0.3	75	1874.88	885	40.8	11.96	36.85	10.8	5.1	0.32	6.47	19.34	2290.275	1081	46.33	13.58	42.8	12.54	5.79	0.37	8.11	24.23
	Medium	0.1	25	2022.72	955	42.64	12.5	38.93	11.41	5.33	0.34	6.99	20.91	2101.125	992	43.66	12.8	40.05	11.74	5.46	0.34	7.3	21.81
		0.2	50	1872.96	884	40.78	11.95	36.82	10.79	5.1	0.32	6.46	19.32	2035.8	961	42.8	12.55	39.12	11.47	5.35	0.34	7.04	21.05
		0.3	75	1700.16	802	38.75	11.36	34.4	10.08	4.84	0.31	5.9	17.64	1936.35	914	41.55	12.18	37.71	11.05	5.19	0.33	6.68	19.97
	Low	0.1	25	1878.72	887	40.85	11.97	36.9	10.82	5.11	0.32	6.48	19.38	1716.54	810	38.94	11.41	34.63	10.15	4.87	0.31	5.95	17.8
		0.2	50	1744.32	823	39.26	11.51	35.02	10.26	4.91	0.31	6.04	18.06	1706.49	805	38.82	11.38	34.49	10.11	4.85	0.31	5.92	17.7
		0.3	75	1574.4	743	37.31	10.93	32.62	9.56	4.66	0.29	5.52	16.49	1669.305	788	38.39	11.25	33.96	9.95	4.8	0.3	5.81	17.36
28	High	0.1	25	2942.285	1388	57.88	16.97	54.58	16	7.24	0.46	5.14	15.35	2806.79	1325	56.15	16.46	52.67	15.44	7.02	0.44	4.86	14.54
		0.2	50	2797.535	1320	56.03	16.42	52.54	15.4	7	0.44	4.85	14.49	2824.97	1333	56.38	16.52	52.93	15.51	7.05	0.44	4.9	14.65
		0.3	75	2596.815	1225	53.58	15.71	49.73	14.58	6.7	0.42	4.48	13.38	2833.05	1337	56.48	16.55	53.04	15.55	7.06	0.45	4.92	14.69
	Medium	0.1	25	2115.48	998	48	14.07	42.97	12.6	6	0.38	3.68	11	1803.86	851	44.28	12.98	38.43	11.26	5.53	0.35	3.19	9.53
		0.2	50	2151.18	1015	48.42	14.19	43.48	12.74	6.05	0.38	3.74	11.17	1710.94	807	43.09	12.63	37.02	10.85	5.39	0.34	3.04	9.08
		0.3	75	2109.36	995	47.93	14.05	42.89	12.57	5.99	0.38	3.67	10.97	1726.09	815	43.28	12.69	37.25	10.92	5.41	0.34	3.06	9.15
	Low	0.1	25	1396.38	659	38.58	11.31	31.99	9.38	4.82	0.3	2.5	7.46	1472.64	695	39.76	11.65	33.25	9.75	4.97	0.31	2.63	7.87
		0.2	50	1396.38	659	38.58	11.31	31.99	9.38	4.82	0.3	2.5	7.46	1270.08	599	36.59	10.72	29.85	8.75	4.57	0.29	2.27	6.79
		0.3	75	1423.92	672	39.01	11.43	32.45	9.51	4.88	0.31	2.55	7.61	1123.2	530	34.27	10.04	27.34	8.01	4.28	0.27	2.02	6.04
30	High	0.1	25	3082.75	1455	59.76	17.52	56.57	16.58	7.47	0.47	5.44	16.25	3556.99	1679	66.89	19.61	63.47	18.6	8.36	0.53	6.64	19.86
		0.2	50	2867.1	1353	56.91	16.68	53.52	15.69	7.11	0.45	4.98	14.89	3428.645	1618	64.83	19	61.57	18.05	8.1	0.51	6.28	18.78
		0.3	75	2626.75	1240	53.94	15.81	50.15	14.7	6.74	0.43	4.53	13.54	3271.35	1544	62.44	18.3	59.27	17.37	7.8	0.49	5.88	17.57
	Medium	0.1	25	2858.55	1349	56.8	16.65	53.4	15.65	7.1	0.45	4.97	14.84	3056.155	1442	59.4	17.41	56.19	16.47	7.43	0.47	5.38	16.08
		0.2	50	2630.55	1241	53.99	15.82	50.21	14.72	6.75	0.43	4.54	13.56	2929.74	1383	57.72	16.92	54.4	15.95	7.22	0.46	5.11	15.27
		0.3	75	2375.95	1121	51	14.95	46.64	13.67	6.38	0.4	4.1	12.25	2759.9	1302	55.56	16.29	52.02	15.25	6.95	0.44	4.77	14.27
	Low	0.1	25	2673.3	1262	54.5	15.97	50.8	14.89	6.81	0.43	4.61	13.79	2543.22	1200	52.95	15.52	48.98	14.36	6.62	0.42	4.38	13.1
		0.2	50	2455.75	1159	51.92	15.22	47.76	14	6.49	0.41	4.23	12.65	2513.37	1186	52.6	15.42	48.57	14.23	6.57	0.41	4.33	12.94
		0.3	75	2197.35	1037	48.95	14.35	44.14	12.94	6.12	0.39	3.81	11.39	2422.825	1143	51.54	15.11	47.3	13.86	6.44	0.41	4.18	12.49

Table 12

Data based on 76°F/63°F (24°C/17°C) air on-coil DBT/WBT and 42°F/58°F (5.5°C/14.4°C) entering/leaving water temperature.

Capacity Ratings - Chilled Water

DCYP - 4 ROWS

Size	Speed	External Static Pressure		50HZ										60Hz									
				Airflow Rate		Total Capacity		Sensible Capacity		Water Flow Rate		Water Pressure Drop		Airflow Rate		Total Capacity		Sensible Capacity		Water Flow Rate		Water Pressure Drop	
		inwg	Pa	cfm	l/s	MBh	kW	MBh	kW	gpm	l/s	ftwg	kPa	cfm	l/s	MBh	kW	MBh	kW	gpm	l/s	ftwg	kPa
6	High	0.1	25	658.965	311	18.36	5.38	14.68	4.3	2.29	0.14	11.36	33.96	576.576	272	16.65	4.88	13.19	3.87	2.08	0.13	9.56	28.57
		0.2	50	640.25	302	17.95	5.26	14.33	4.2	2.24	0.14	10.91	32.62	580.608	274	16.73	4.9	13.26	3.89	2.09	0.13	9.64	28.81
		0.3	75	616.61	291	17.45	5.11	13.9	4.08	2.18	0.14	10.38	31.03	574.56	271	16.61	4.87	13.15	3.85	2.08	0.13	9.52	28.45
	Medium	0.1	25	493.485	233	15.13	4.43	11.73	3.44	1.89	0.12	8.07	24.12	418.275	197	13.8	4.05	10.42	3.05	1.73	0.11	6.86	20.51
		0.2	50	478.71	226	14.87	4.36	11.48	3.36	1.86	0.12	7.82	23.39	402.675	190	13.52	3.96	10.14	2.97	1.69	0.11	6.61	19.77
		0.3	75	459.01	217	14.52	4.26	11.13	3.26	1.82	0.11	7.51	22.44	382.2	180	13.14	3.85	9.77	2.86	1.64	0.1	6.29	18.8
	Low	0.1	25	383.165	181	13.15	3.86	9.79	2.87	1.64	0.1	6.3	18.84	312	147	11.69	3.43	8.43	2.47	1.46	0.09	5.12	15.29
		0.2	50	369.375	174	12.89	3.78	9.53	2.79	1.61	0.1	6.08	18.18	287.625	136	11.11	3.26	7.93	2.32	1.39	0.09	4.68	13.98
		0.3	75	343.765	162	12.37	3.63	9.05	2.65	1.55	0.1	5.66	16.92	262.275	124	10.45	3.06	7.38	2.16	1.31	0.08	4.2	12.56
8	High	0.1	25	838.5	396	22.32	6.54	18.21	5.34	2.79	0.18	8.35	24.95	874.575	413	23.13	6.78	18.89	5.54	2.89	0.18	8.9	26.6
		0.2	50	786.825	371	21.22	6.22	17.27	5.06	2.65	0.17	7.63	22.82	841.425	397	22.38	6.56	18.27	5.35	2.8	0.18	8.39	25.08
		0.3	75	726.375	343	20.03	5.87	16.2	4.75	2.5	0.16	6.89	20.6	803.4	379	21.56	6.32	17.57	5.15	2.69	0.17	7.85	23.48
	Medium	0.1	25	777.075	367	21.02	6.16	17.1	5.01	2.63	0.17	7.51	22.44	790.935	373	21.3	6.24	17.35	5.08	2.66	0.17	7.69	22.98
		0.2	50	727.35	343	20.04	5.87	16.21	4.75	2.51	0.16	6.9	20.63	763.8	360	20.75	6.08	16.86	4.94	2.59	0.16	7.34	21.94
		0.3	75	671.775	317	19.02	5.58	15.25	4.47	2.38	0.15	6.29	18.8	730.635	345	20.11	5.89	16.27	4.77	2.51	0.16	6.94	20.74
	Low	0.1	25	692.25	327	19.39	5.68	15.6	4.57	2.42	0.15	6.51	19.45	637.17	301	18.41	5.39	14.65	4.29	2.3	0.15	5.93	17.74
		0.2	50	654.225	309	18.71	5.48	14.94	4.38	2.34	0.15	6.11	18.26	614.055	290	18	5.28	14.25	4.18	2.25	0.14	5.71	17.05
		0.3	75	611.325	288	17.95	5.26	14.2	4.16	2.24	0.14	5.68	16.97	584.91	276	17.5	5.13	13.75	4.03	2.19	0.14	5.43	16.22
10	High	0.1	25	966.93	456	30.11	8.83	22.91	6.71	3.76	0.24	17.91	53.53	1071.273	506	33.38	9.78	25.22	7.39	4.17	0.26	21.48	64.22
		0.2	50	892.625	421	28.06	8.23	21.35	6.26	3.51	0.22	15.81	47.26	1026.515	484	31.94	9.36	24.21	7.1	3.99	0.25	19.87	59.4
		0.3	75	809.6349	382	26.11	7.65	19.74	5.78	3.26	0.21	13.92	41.62	973	459	30.29	8.88	23.04	6.75	3.79	0.24	18.1	54.1
	Medium	0.1	25	883.94	417	27.84	8.16	21.18	6.21	3.48	0.22	15.59	46.61	848.538	400	26.98	7.91	20.48	6	3.37	0.21	14.75	44.1
		0.2	50	818.32	386	26.3	7.71	19.9	5.83	3.29	0.21	14.1	42.15	822.46	388	26.39	7.74	19.98	5.86	3.3	0.21	14.19	42.41
		0.3	75	745.945	352	24.86	7.29	18.58	5.45	3.11	0.2	12.76	38.15	794.376	375	25.79	7.56	19.45	5.7	3.22	0.2	13.62	40.72
	Low	0.1	25	701.555	331	24.05	7.05	17.8	5.22	3.01	0.19	12.04	36	563.686	266	21.43	6.28	15.29	4.48	2.68	0.17	9.82	29.36
		0.2	50	655.235	309	23.21	6.8	16.98	4.98	2.9	0.18	11.31	33.8	535.602	253	20.83	6.1	14.75	4.32	2.6	0.16	9.34	27.92
		0.3	75	604.09	285	22.24	6.52	16.05	4.7	2.78	0.18	10.49	31.35	504.509	238	20.12	5.9	14.13	4.14	2.51	0.16	8.79	26.27
12	High	0.1	25	1281.744	605	34.01	9.97	27.76	8.14	4.25	0.27	7.72	23.07	1143.905	540	31.09	9.11	25.26	7.4	3.89	0.25	6.58	19.67
		0.2	50	1242.184	586	33.13	9.71	27.03	7.92	4.14	0.26	7.37	22.02	1144.92	540	31.11	9.12	25.28	7.41	3.89	0.25	6.59	19.69
		0.3	75	1191.745	562	32.06	9.4	26.12	7.65	4.01	0.25	6.95	20.77	1126.65	532	30.75	9.01	24.95	7.31	3.84	0.24	6.45	19.29
	Medium	0.1	25	980.099	463	28.04	8.22	22.39	6.56	3.5	0.22	5.48	16.37	833	393	25.48	7.47	19.85	5.82	3.18	0.2	4.62	13.81
		0.2	50	948.451	448	27.48	8.05	21.85	6.4	3.43	0.22	5.28	15.79	797.72	376	24.86	7.29	19.23	5.64	3.11	0.2	4.42	13.23
		0.3	75	905.924	428	26.74	7.84	21.11	6.19	3.34	0.21	5.03	15.05	754.6	356	24.1	7.06	18.47	5.41	3.01	0.19	4.19	12.51
	Low	0.1	25	750.651	354	24.03	7.04	18.4	5.39	3	0.19	4.16	12.45	589	278	20.89	6.12	15.4	4.52	2.61	0.16	3.25	9.71
		0.2	50	718.014	339	23.44	6.87	17.82	5.22	2.93	0.18	3.98	11.91	542.45	256	19.85	5.82	14.47	4.24	2.48	0.16	2.97	8.87
		0.3	75	666.586	315	22.47	6.59	16.88	4.95	2.81	0.18	3.7	11.05	494	233	18.68	5.48	13.47	3.95	2.34	0.15	2.67	7.97
15	High	0.1	25	1588.191	749	45.6	13.37	35.57	10.42	5.7	0.36	14.16	42.32	1632.78	771	46.93	13.75	36.51	10.7	5.87	0.37	14.9	44.53
		0.2	50	1481.601	699	42.39	12.42	33.29	9.76	5.3	0.33	12.44	37.17	1565.1	739	44.91	13.16	35.07	10.28	5.61	0.35	13.78	41.18
		0.3	75	1362.414	643	38.95	11.41	30.77	9.02	4.87	0.31	10.7	31.98	1487.08	702	42.55	12.47	33.4	9.79	5.32	0.34	12.52	37.43
	Medium	0.1	25	1477.725	697	42.27	12.39	33.2	9.73	5.28	0.33	12.38	36.99	1497.6	707	42.87	12.56	33.63	9.86	5.36	0.34	12.69	37.92
		0.2	50	1377.918	650	39.37	11.54	31.09	9.11	4.92	0.31	10.91	32.61	1441.05	680	41.18	12.07	32.42	9.5	5.15	0.32	11.82	35.32
		0.3	75	1267.452	598	36.64	10.74	28.92	8.48	4.58	0.29	9.6	28.7	1367.925	646	39.1	11.46	30.89	9.05	4.89	0.31	10.77	32.2
	Low	0.1	25	1331.406	628	38.11	11.17	30.14	8.83	4.76	0.3	10.29	30.77	1251.225	590	36.3	10.64	28.63	8.39	4.54	0.29	9.45	28.23
		0.2	50	1254.855	592	36.38	10.66	28.69	8.41	4.55	0.29	9.48	28.34	1199.97	566	35.28	10.34	27.7	8.12	4.41	0.28	8.98	26.83
		0.3	75	1166.676	551	34.63	10.15	27.11	7.95	4.33	0.27	8.69	25.97	1140.675	538	34.14	10.01	26.65	7.81	4.27	0.27	8.47	25.32
18	High	0.1	25	1791.46	845	51.24	15.02	40.51	11.87	6.41	0.4	10.45	31.24	2036.328	961	58.35	17.1	45.68	13.39	7.29	0.46	13.16	39.34
		0.2	50	1644.886	776	47.93	14.05	37.75	11.06	5.99	0.38	9.28	27.74	1936.83	914	55.37	16.23	43.56	12.77	6.92	0.44	11.99	35.84
		0.3	75	1485.858	701	44.87	13.15	34.92	10.23	5.61	0.35	8.26	24.68	1832.502	865	52.37	15.35	41.36	12.12	6.55	0.41	10.86	32.46
	Medium	0.1	25	1653.508	780	48.1	14.1	37.9	11.11	6.01	0.38	9.34	27.92	1612.65	761	47.28	13.86	37.17	10.89	5.91	0.37	9.06	27.09
		0.2	50	1524.178	719	45.58	13.36	35.59	10.43	5.7	0.36	8.49	25.38	1561.95	737	46.3	13.57	36.26	10.63	5.79	0.37	8.73	26.09
		0.3	75	1381.436	652	42.98	12.6	33.09	9.7	5.37	0.34	7.65	22.87	1495.65	706	45.05	13.2	35.09	10.28	5.63	0.36	8.32	24.86
	Low	0.1	25	1338.326	632	42.21	12.37	32.34	9.48	5.28	0.33	7.41	22.15	1077.02	508	37.51	10.99	27.72	8.12	4.69	0.3	6.01	17.96
		0.2	50	1245.4	588	40.57	11.89	30.72	9	5.07	0.32	6.91	20.64	1021.16	482	36.43	10.68	26.69	7.82	4.55	0.29	5.71	17.06
		0.3	75	1145.768	541	38.78	11.37	28.96	8.49	4.85	0.31	6.38	19.06	962.36	454	35.24	10.33	25.58	7.5	4.4	0.28	5.38	16.08
21	High	0.1	25	2086.2	984	57.47	16.84	46.27	13.56	7.18	0.45	7.84	23.43	2167.46	1023	59.25	17.37	47.78	14	7.41	0.47	8.27	24.73
		0.2	50	1946.55	919	54.6	16	43.74	12.82	6.82	0.43	7.15	21.39	2172.51	1025	59.37	17.4	47.87	14.03	7.42	0.47	8.3	24.82
		0.3	75	1784.1	842	51.5	15.09	40.88	11.98	6.44	0.41	6.45	19.28	2157.36	1018	59.03	17.3	47.59	13.95	7.38	0.47	8.22	24.56
	Medium	0.1	25	1632.16	770	48.77	14.29	38.24	11.21	6.1	0.38	5.85	17.5	1349.925	637	43.82	12.84	33.32	9.77	5.48	0.35	4.84	14.47
		0.2	50	1613.98	762	48.45	14.2	37.93	11.12	6.06	0.38	5.79	17.29	1327.375	626	43.41	12.72	32.92	9.65	5.43	0.34	4.76	14.23
		0.3	75	1541.26	727	47.18	13.83	36.66	10.75	5.9	0.37	5.52	16.5	1385.8	654	44.45	13.03	33.95	9.95	5.56	0.35	4.97	14.84
	Low	0.1	25	1096.86	518	39	11.43	28.68	8.41	4.87	0.31	3.94	11.76	1086.4	513	38.78	11.37	28.48	8.35	4.85	0.31	3.9	11.65
		0.2	50	1125.14	531	39.57	11.6	29.22	8.56	4.95	0.31	4.04	12.08	958.36	452	35.94	10.53	25.94	7.6	4.49	0.28	3.41	10.18
		0.3	75	1105.95	522	39.18	11.48	28.85	8.46	4.9	0.31	3.97	11.86	869.12	410	33.73	9.89	24.06	7.05	4.22	0.27	3.04	9.1
24	High	0.1	25	2142.72	1011	62.8	18.41	49.27	14.44	7.85	0.5	9.84	29.42	2434.575	1149	70.8	20.75	55.3	16.21	8.85	0.56	12.18	36.4
		0.2	50	1999.68	944	59.89	17.55	46.68	13.68	7.49	0.47	9.05	27.04	2356.575	1112	68.52	20.08	53.65	15.72	8.57	0.54	11.49	34.35
		0.3	75	1839.36	868	56.89	16.67	43.84	12.85	7.11	0.45	8.26	24.68	2259.075	1066	65.81	19.29	51.61	15.13	8.23	0.52	10.69	31.96
	Medium	0.1	25	1990.08	939	59.71	17.5	46.51	13.63	7.46	0.47	9	26.89	2087.475	985	61.63	18.06	48.25	14.14	7.7	0.49	9.52	28.45
		0.2	50	1839.36	868	56.89	16.67	43.84	12.85	7.11	0.45	8.26	24.68	2015.325	951	60.19	17.64	46.96	13.76	7.52	0.47	9.13	27.28
		0.3	75	1668.48	787	53.83	15.78	40.86	11.98	6.73	0.42	7.48	22.37	1911	902	58.21	17.06	45.1	13.22	7.28	0.46	8.6	25.71
	Low	0.1	25	1853.76	875	57.15	16.75	44.1	12.92	7.14	0.45	8.32	24.88	1715.535	810	54.66	16.02	41.68	12.22	6.83	0.43	7.69	22.99
		0.2	50	1716.48	810	54.68	16.03	41.7	12.22	6.83	0.43	7.7	23	1703.475	804	54.45	15.96	41.47	12.16	6.81	0.43	7.64	22.83
		0.3	75	1545.6	729	51.64	15.14	38.71	11.34	6.46	0.41	6.95	20.79	1659.255	783	53.66	15.73	40.7	11.93	6.71	0.42	7.44	22.25
28	High	0.1	25	2909.475	1373	80.18	23.5	64.86	19.01	10.02	0.63	5.5	16.43	2811.84	1327	78.35	22.96	63.15	18.51	9.79	0.62	5.27	15.77
		0.2	50	2752.18	1299	77.25	22.64	62.11	18.2	9.66	0.61	5.14	15.38	2828	1335	78.65	23.05	63.43	18.59	9.83	0.62	5.31	15.88
		0.3	75	2546.635	1202	73.59	21.57	58.56	17.16	9.2	0.58	4.72	14.1	2832.04	1336	78.72	23.07	63.5	18.61	9.84	0.62	5.32	15.9
	Medium	0.1	25	2124.66	1003	66.26	19.42	51.25	15.02	8.28	0.52	3.91	11.7	1789.72	845	60.15	17.63	45.24	13.26	7.52	0.47	3.3	9.85
		0.2	50	2150.16	1015	66.71	19.55	51.69	15.15	8.34	0.53	3.96	11.84	1706.9	805	58.52	17.15	43.69	12.81	7.32	0.46	3.14	9.38
		0.3	75	2097.12	990	65.78	19.28	50.76	14.88	8.22	0.52	3.86	11.55	1733.16	818	59.05	17.31	44.19	12.95	7.38	0.47	3.19	9.53
	Low	0.1	25	1393.32	658	51.67	15.14	37.51	10.99	6.46	0.41	2.52	7.52	1454.4	686	53.11	15.57	38.76	11.36	6.64	0.42	2.64	7.89
		0.2	50	1399.44	660	51.82	15.19	37.63	11.03	6.48	0.41	2.53	7.56	1259.52	594	48.47	14.21	34.73	10.18	6.06	0.38	2.24	6.71
		0.3	75	1422.9	671	52.37	15.35	38.12	11.17	6.55	0.41	2.58	7.7	1117.44	527	45.01	13.19	31.74	9.3	5.63	0.35	1.97	5.88
30	High	0.1	25	3021	1426	82.33	24.13	66.83	19.59	10.29	0.65	5.76	17.22	3511.635	1657	92.85	27.22	75.79	22.22	11.61	0.73	7.14	21.34
		0.2	50	2805.35	1324	78.23	22.93	63.03	18.47	9.78	0.62	5.26	15.73	3375.57	1593	89.74	26.3	73.25	21.47	11.22	0.71	6.72	20.08
		0.3	75	2569.75	1213	73.99	21.69	58.96	17.28	9.25	0.58	4.76	14.24	3214.415	1517	86.25	25.28	70.3	20.61	10.78	0.68	6.26	18.71
	Medium	0.1	25	2801.55	1322	78.16	22.91	62.97	18.46	9.77	0.62	5.25	15.7	3023.345	1427	82.37	24.14	66.87	19.6	10.3	0.65	5.77	17.24
		0.2	50	2575.45	1215	74.09	21.72	59.05	17.31	9.26	0.58	4.78	14.27	2888.245	1363	79.77	23.38	64.49	18.9	9.97	0.63	5.45	16.28
		0.3	75	2325.6	1097	69.75	20.44	54.74	16.05	8.72	0.55	4.29	12.82	2712.615	1280	76.54	22.43	61.42	18	9.57	0.6	5.06	15.13
	Low	0.1	25	2626.75	1240	75	21.98	59.94	17.57	9.38	0.59	4.88	14.59	2540.235	1199	73.47	21.53	58.45	17.13	9.18	0.58	4.7	14.06
		0.2	50	2407.3	1136	71.16	20.86	56.16	16.46	8.89	0.56	4.44	13.28	2500.435	1180	72.78	21.33	57.76	16.93	9.1	0.57	4.63	13.83
		0.3	75	2151.75	1015	66.73	19.56	51.72	15.16	8.34	0.53	3.96	11.85	2398.945	1132	71.01	20.81	56.01	16.42	8.88	0.56	4.43	13.24

Table 13

Data based on 78°F/65°F (25.6°C/18.3°C) air on-coil DBT/WBT and 42°F/58°F (5.5°C/14.4°C) entering/leaving water temperature.

DCYP - 4 ROWS

Size	Speed	External Static Pressure		50HZ										60Hz									
				Airflow Rate		Total Capacity		Sensible Capacity		Water Flow Rate		Water Pressure Drop		Airflow Rate		Total Capacity		Sensible Capacity		Water Flow Rate		Water Pressure Drop	
		inwg	Pa	cfm	l/s	MBh	kW	MBh	kW	gpm	l/s	ftwg	kPa	cfm	l/s	MBh	kW	MBh	kW	gpm	l/s	ftwg	kPa
6	High	0.1	25	658.965	311	15.58	4.57	13.89	4.07	1.95	0.12	8.5	25.41	576.576	272	14.18	4.16	12.48	3.66	1.77	0.11	7.2	21.53
		0.2	50	640.25	302	15.25	4.47	13.57	3.98	1.91	0.12	8.18	24.46	580.608	274	14.25	4.18	12.55	3.68	1.78	0.11	7.26	21.71
		0.3	75	616.61	291	14.84	4.35	13.16	3.86	1.86	0.12	7.8	23.33	574.56	271	14.15	4.15	12.45	3.65	1.77	0.11	7.17	21.44
	Medium	0.1	25	493.485	233	12.89	3.78	11.09	3.25	1.61	0.1	6.09	18.19	418.275	197	11.74	3.44	9.81	2.88	1.47	0.09	5.16	15.41
		0.2	50	478.71	226	12.67	3.71	10.84	3.18	1.58	0.1	5.9	17.63	402.675	190	11.49	3.37	9.54	2.8	1.44	0.09	4.96	14.84
		0.3	75	459.01	217	12.37	3.63	10.51	3.08	1.55	0.1	5.66	16.9	382.2	180	11.15	3.27	9.17	2.69	1.39	0.09	4.71	14.08
	Low	0.1	25	383.165	181	11.17	3.27	9.19	2.69	1.4	0.09	4.72	14.12	312	147	9.89	2.9	7.87	2.31	1.24	0.08	3.81	11.38
		0.2	50	369.375	174	10.94	3.21	8.94	2.62	1.37	0.09	4.55	13.61	287.625	136	9.39	2.75	7.39	2.17	1.17	0.07	3.48	10.39
		0.3	75	343.765	162	10.49	3.07	8.48	2.48	1.31	0.08	4.23	12.63	262.275	124	8.88	2.6	6.89	2.02	1.11	0.07	3.15	9.41
8	High	0.1	25	838.5	396	18.96	5.56	17.26	5.06	2.37	0.15	6.26	18.7	874.575	413	19.61	5.75	17.88	5.24	2.45	0.15	6.64	19.85
		0.2	50	786.825	371	18.08	5.3	16.39	4.8	2.26	0.14	5.75	17.19	841.425	397	19.02	5.57	17.31	5.07	2.38	0.15	6.29	18.79
		0.3	75	726.375	343	17.11	5.01	15.38	4.51	2.14	0.13	5.21	15.58	803.4	379	18.36	5.38	16.67	4.89	2.29	0.14	5.91	17.66
	Medium	0.1	25	777.075	367	17.92	5.25	16.22	4.76	2.24	0.14	5.66	16.92	790.935	373	18.15	5.32	16.46	4.82	2.27	0.14	5.79	17.3
		0.2	50	727.35	343	17.12	5.02	15.39	4.51	2.14	0.14	5.22	15.61	763.8	360	17.7	5.19	16	4.69	2.21	0.14	5.54	16.56
		0.3	75	671.775	317	16.26	4.77	14.47	4.24	2.03	0.13	4.77	14.25	730.635	345	17.17	5.03	15.45	4.53	2.15	0.14	5.25	15.69
	Low	0.1	25	692.25	327	16.58	4.86	14.81	4.34	2.07	0.13	4.93	14.74	637.17	301	15.74	4.61	13.9	4.07	1.97	0.12	4.5	13.45
		0.2	50	654.225	309	16	4.69	14.18	4.16	2	0.13	4.63	13.84	614.055	290	15.4	4.51	13.51	3.96	1.92	0.12	4.33	12.93
		0.3	75	611.325	288	15.36	4.5	13.47	3.95	1.92	0.12	4.31	12.87	584.91	276	14.96	4.38	13.02	3.82	1.87	0.12	4.11	12.29
10	High	0.1	25	966.93	456	24.75	7.25	21.25	6.23	3.09	0.2	12.66	37.85	1071.273	506	27.19	7.97	23.29	6.83	3.4	0.21	14.95	44.7
		0.2	50	892.625	421	23.43	6.87	19.95	5.85	2.93	0.18	11.49	34.36	1026.515	484	26.07	7.64	22.39	6.56	3.26	0.21	13.88	41.5
		0.3	75	809.635	382	22.06	6.47	18.53	5.43	2.76	0.17	10.34	30.91	973	459	24.86	7.29	21.36	6.26	3.11	0.2	12.76	38.16
	Medium	0.1	25	883.94	417	23.28	6.82	19.8	5.8	2.91	0.18	11.37	33.98	848.538	400	22.69	6.65	19.19	5.63	2.84	0.18	10.87	32.48
		0.2	50	818.32	386	22.2	6.51	18.68	5.48	2.78	0.18	10.46	31.26	822.46	388	22.27	6.53	18.75	5.5	2.78	0.18	10.51	31.42
		0.3	75	745.945	352	21.06	6.17	17.45	5.11	2.63	0.17	9.53	28.48	794.376	375	21.82	6.4	18.27	5.36	2.73	0.17	10.14	30.32
	Low	0.1	25	701.555	331	20.37	5.97	16.69	4.89	2.55	0.16	8.98	26.85	563.686	266	18.09	5.3	14.25	4.18	2.26	0.14	7.29	21.78
		0.2	50	655.235	309	19.64	5.76	15.89	4.66	2.45	0.15	8.42	25.16	535.602	253	17.58	5.15	13.73	4.02	2.2	0.14	6.92	20.7
		0.3	75	604.09	285	18.79	5.51	14.99	4.39	2.35	0.15	7.79	23.29	504.509	238	16.97	4.97	13.14	3.85	2.12	0.13	6.51	19.46
12	High	0.1	25	1281.74	605	28.87	8.46	26.3	7.71	3.61	0.23	5.77	17.24	1143.905	540	26.53	7.77	23.97	7.03	3.32	0.21	4.96	14.84
		0.2	50	1242.18	586	28.17	8.26	25.63	7.51	3.52	0.22	5.52	16.51	1144.92	540	26.54	7.78	23.99	7.03	3.32	0.21	4.97	14.85
		0.3	75	1191.75	562	27.31	8.01	24.78	7.26	3.41	0.22	5.23	15.63	1126.65	532	26.25	7.69	23.68	6.94	3.28	0.21	4.87	14.56
	Medium	0.1	25	980.099	463	23.98	7.03	21.25	6.23	3	0.19	4.15	12.4	833	393	21.77	6.38	18.79	5.51	2.72	0.17	3.5	10.45
		0.2	50	948.451	448	23.51	6.89	20.72	6.07	2.94	0.19	4	11.97	797.72	376	21.23	6.22	18.19	5.33	2.65	0.17	3.34	10
		0.3	75	905.924	428	22.87	6.7	20.01	5.87	2.86	0.18	3.81	11.4	754.6	356	20.56	6.03	17.45	5.11	2.57	0.16	3.16	9.44
	Low	0.1	25	750.651	354	20.5	6.01	17.38	5.09	2.56	0.16	3.14	9.39	589	278	17.75	5.2	14.46	4.24	2.22	0.14	2.44	7.28
		0.2	50	718.014	339	19.98	5.86	16.81	4.93	2.5	0.16	3	8.97	542.45	256	16.92	4.96	13.59	3.98	2.11	0.13	2.24	6.68
		0.3	75	666.586	315	19.12	5.6	15.89	4.66	2.39	0.15	2.78	8.3	494	233	16.02	4.7	12.67	3.71	2	0.13	2.03	6.07
15	High	0.1	25	1588.19	749	37.41	10.97	33.08	9.69	4.68	0.3	9.96	29.78	1632.78	771	38.54	11.3	33.96	9.95	4.82	0.3	10.5	31.39
		0.2	50	1481.6	699	35.13	10.3	31.11	9.12	4.39	0.28	8.91	26.63	1565.1	739	36.9	10.81	32.64	9.57	4.61	0.29	9.72	29.06
		0.3	75	1362.41	643	32.82	9.62	28.98	8.5	4.1	0.26	7.9	23.61	1487.08	702	35.24	10.33	31.21	9.15	4.4	0.28	8.96	26.78
	Medium	0.1	25	1477.73	697	35.05	10.27	31.04	9.1	4.38	0.28	8.87	26.52	1497.6	707	35.45	10.39	31.4	9.2	4.43	0.28	9.06	27.07
		0.2	50	1377.92	650	33.1	9.7	29.26	8.58	4.14	0.26	8.02	23.97	1441.05	680	34.31	10.06	30.38	8.9	4.29	0.27	8.55	25.55
		0.3	75	1267.45	598	31.14	9.13	27.34	8.01	3.89	0.25	7.2	21.51	1367.925	646	32.92	9.65	29.08	8.52	4.11	0.26	7.94	23.74
	Low	0.1	25	1331.41	628	32.26	9.45	28.44	8.34	4.03	0.25	7.66	22.89	1251.225	590	30.86	9.05	27.07	7.93	3.86	0.24	7.08	21.17
		0.2	50	1254.86	592	30.93	9.06	27.13	7.95	3.87	0.24	7.11	21.25	1199.97	566	30.01	8.8	26.19	7.68	3.75	0.24	6.74	20.15
		0.3	75	1166.68	551	29.48	8.64	25.63	7.51	3.68	0.23	6.53	19.51	1140.675	538	29.06	8.52	25.19	7.38	3.63	0.23	6.37	19.03
18	High	0.1	25	1791.46	845	43.3	12.69	38.21	11.2	5.41	0.34	7.75	23.17	2036.328	961	48.1	14.1	42.59	12.48	6.01	0.38	9.34	27.92
		0.2	50	1644.89	776	40.76	11.95	35.69	10.46	5.1	0.32	6.96	20.82	1936.83	914	46.06	13.5	40.78	11.95	5.76	0.36	8.65	25.85
		0.3	75	1485.86	701	38.2	11.2	33	9.67	4.77	0.3	6.21	18.55	1832.502	865	44.05	12.91	38.93	11.41	5.51	0.35	7.99	23.89
	Medium	0.1	25	1653.51	780	40.9	11.99	35.84	10.5	5.11	0.32	7.01	20.95	1612.65	761	40.23	11.79	35.14	10.3	5.03	0.32	6.8	20.34
		0.2	50	1524.18	719	38.8	11.37	33.64	9.86	4.85	0.31	6.38	19.08	1561.95	737	39.4	11.55	34.28	10.05	4.93	0.31	6.56	19.6
		0.3	75	1381.44	652	36.58	10.72	31.24	9.16	4.57	0.29	5.75	17.19	1495.65	706	38.35	11.24	33.16	9.72	4.79	0.3	6.25	18.68
	Low	0.1	25	1338.33	632	35.92	10.53	30.51	8.94	4.49	0.28	5.57	16.64	1077.02	508	31.81	9.32	26	7.62	3.98	0.25	4.49	13.42
		0.2	50	1245.4	588	34.49	10.11	28.93	8.48	4.31	0.27	5.18	15.49	1021.16	482	30.87	9.05	25	7.33	3.86	0.24	4.26	12.72
		0.3	75	1145.77	541	32.93	9.65	27.21	7.98	4.12	0.26	4.77	14.26	962.36	454	29.82	8.74	23.92	7.01	3.73	0.24	4	11.97
21	High	0.1	25	2086.2	984	48.88	14.33	43.83	12.85	6.11	0.39	5.88	17.57	2167.46	1023	50.31	14.75	45.23	13.26	6.29	0.4	6.19	18.49
		0.2	50	1946.55	919	46.53	13.64	41.46	12.15	5.82	0.37	5.39	16.1	2172.51	1025	50.4	14.77	45.32	13.28	6.3	0.4	6.21	18.55
		0.3	75	1784.1	842	43.96	12.88	38.74	11.35	5.49	0.35	4.87	14.55	2157.36	1018	50.13	14.69	45.05	13.21	6.27	0.4	6.15	18.37
	Medium	0.1	25	1632.16	770	41.63	12.2	36.2	10.61	5.2	0.33	4.42	13.21	1349.925	637	37.32	10.94	31.42	9.21	4.66	0.29	3.64	10.88
		0.2	50	1613.98	762	41.36	12.12	35.9	10.52	5.17	0.33	4.37	13.06	1327.375	626	36.96	10.83	31.02	9.09	4.62	0.29	3.58	10.7
		0.3	75	1541.26	727	40.26	11.8	34.68	10.16	5.03	0.32	4.16	12.45	1385.8	654	37.88	11.1	32.03	9.39	4.74	0.3	3.74	11.18
	Low	0.1	25	1096.86	518	33.08	9.69	26.89	7.88	4.13	0.26	2.94	8.79	1086.4	513	32.88	9.64	26.69	7.82	4.11	0.26	2.91	8.69
		0.2	50	1125.14	531	33.58	9.84	27.41	8.03	4.2	0.26	3.02	9.03	958.36	452	30.46	8.93	24.25	7.11	3.81	0.24	2.54	7.59
		0.3	75	1105.95	522	33.24	9.74	27.05	7.93	4.15	0.26	2.96	8.86	869.12	410	28.73	8.42	22.52	6.6	3.59	0.23	2.29	6.84
24	High	0.1	25	2142.72	1011	53.31	15.62	46.53	13.64	6.66	0.42	7.36	21.99	2434.575	1149	58.67	17.2	51.65	15.14	7.33	0.46	8.72	26.07
		0.2	50	1999.68	944	50.93	14.93	44.09	12.92	6.37	0.4	6.78	20.28	2356.575	1112	57.16	16.75	50.26	14.73	7.14	0.45	8.33	24.89
		0.3	75	1839.36	868	48.39	14.18	41.38	12.13	6.05	0.38	6.2	18.52	2259.075	1066	55.35	16.22	48.55	14.23	6.92	0.44	7.87	23.51
	Medium	0.1	25	1990.08	939	50.77	14.88	43.93	12.88	6.35	0.4	6.75	20.17	2087.475	985	52.37	15.35	45.59	13.36	6.55	0.41	7.13	21.31
		0.2	50	1839.36	868	48.39	14.18	41.38	12.13	6.05	0.38	6.2	18.52	2015.325	951	51.18	15	44.36	13	6.4	0.4	6.84	20.46
		0.3	75	1668.48	787	45.75	13.41	38.49	11.28	5.72	0.36	5.61	16.77	1911	902	49.51	14.51	42.59	12.48	6.19	0.39	6.45	19.29
	Low	0.1	25	1853.76	875	48.61	14.25	41.62	12.2	6.08	0.38	6.25	18.67	1715.535	810	46.48	13.62	39.29	11.52	5.81	0.37	5.77	17.24
		0.2	50	1716.48	810	46.49	13.63	39.3	11.52	5.81	0.37	5.77	17.25	1703.475	804	46.29	13.57	39.08	11.46	5.79	0.37	5.73	17.12
		0.3	75	1545.6	729	43.85	12.85	36.39	10.67	5.48	0.35	5.2	15.55	1659.255	783	45.61	13.37	38.33	11.24	5.7	0.36	5.58	16.68
28	High	0.1	25	2909.48	1373	68.49	20.07	61.57	18.05	8.56	0.54	4.15	12.41	2811.84	1327	66.97	19.63	59.95	17.57	8.37	0.53	3.99	11.92
		0.2	50	2752.18	1299	66.05	19.36	58.95	17.28	8.26	0.52	3.89	11.63	2828	1335	67.22	19.7	60.21	17.65	8.4	0.53	4.02	12
		0.3	75	2546.64	1202	62.94	18.45	55.55	16.28	7.87	0.5	3.57	10.68	2832.04	1336	67.28	19.72	60.28	17.67	8.41	0.53	4.02	12.02
	Medium	0.1	25	2124.66	1003	56.59	16.59	48.46	14.2	7.07	0.45	2.96	8.84	1789.72	845	51.2	15.01	42.59	12.48	6.4	0.4	2.47	7.4
		0.2	50	2150.16	1015	56.98	16.7	48.89	14.33	7.12	0.45	2.99	8.95	1706.9	805	49.76	14.58	41.08	12.04	6.22	0.39	2.35	7.03
		0.3	75	2097.12	990	56.16	16.46	47.98	14.06	7.02	0.44	2.92	8.72	1733.16	818	50.22	14.72	41.56	12.18	6.28	0.4	2.39	7.15
	Low	0.1	25	1393.32	658	44.13	12.94	35.23	10.33	5.52	0.35	1.9	5.68	1454.4	686	45.25	13.26	36.39	10.66	5.66	0.36	1.99	5.94
		0.2	50	1399.44	660	44.25	12.97	35.35	10.36	5.53	0.35	1.91	5.71	1259.52	594	41.61	12.2	32.66	9.57	5.2	0.33	1.71	5.12
		0.3	75	1422.9	671	44.68	13.09	35.79	10.49	5.58	0.35	1.94	5.81	1117.44	527	38.8	11.37	29.85	8.75	4.85	0.31	1.51	4.52
30	High	0.1	25	3021	1426	70.26	20.59	63.43	18.59	8.78	0.55	4.34	12.99	3511.635	1657	78.69	23.06	71.76	21.03	9.84	0.62	5.32	15.89
		0.2	50	2805.35	1324	66.87	19.6	59.84	17.54	8.36	0.53	3.98	11.89	3375.57	1593	76.24	22.34	69.42	20.35	9.53	0.6	5.02	15.02
		0.3	75	2569.75	1213	63.29	18.55	55.93	16.39	7.91	0.5	3.61	10.78	3214.415	1517	73.45	21.53	66.68	19.54	9.18	0.58	4.7	14.05
	Medium	0.1	25	2801.55	1322	66.81	19.58	59.77	17.52	8.35	0.53	3.97	11.87	3023.345	1427	70.3	20.6	63.47	18.6	8.79	0.55	4.35	13
		0.2	50	2575.45	1215	63.38	18.58	56.03	16.42	7.92	0.5	3.62	10.81	2888.245	1363	68.15	19.98	61.22	17.94	8.52	0.54	4.12	12.3
		0.3	75	2325.6	1097	59.63	17.48	51.86	15.2	7.45	0.47	3.24	9.7	2712.615	1280	65.45	19.18	58.3	17.09	8.18	0.52	3.83	11.45
	Low	0.1	25	2626.75	1240	64.15	18.8	56.88	16.67	8.02	0.51	3.69	11.04	2540.235	1199	62.85	18.42	55.44	16.25	7.86	0.5	3.56	10.65
		0.2	50	2407.3	1136	60.86	17.84	53.23	15.6	7.61	0.48	3.36	10.06	2500.435	1180	62.25	18.25	54.78	16.06	7.78	0.49	3.5	10.47
		0.3	75	2151.75	1015	57	16.71	48.92	14.34	7.13	0.45	2.99	8.95	2398.945	1132	60.73	17.8	53.09	15.56	7.59	0.48	3.35	10.02

Table 14

Data based on 76°F/63°F (24°C/17°C) air on-coil DBT/WBT and 42°F/58°F (5.5°C/14.4°C) entering/leaving water temperature.

Capacity Ratings - Chilled Water

DCYP - 6 ROWS

Size	Speed	External Static Pressure		50HZ										60Hz									
				Airflow Rate		Total Capacity		Sensible Capacity		Water Flow Rate		Water Pressure Drop		Airflow Rate		Total Capacity		Sensible Capacity		Water Flow Rate		Water Pressure Drop	
		inwg	Pa	cfm	l/s	MBh	kW	MBh	kW	gpm	l/s	ftwg	kPa	cfm	l/s	MBh	kW	MBh	kW	gpm	l/s	ftwg	kPa
6	High	0.1	25	621.535	293	22.3	6.54	16.49	4.83	2.79	0.18	10.62	31.74	550.368	260	20.39	5.98	14.92	4.37	2.55	0.16	9.07	27.12
		0.2	50	602.82	284	21.78	6.38	16.07	4.71	2.72	0.17	10.19	30.46	552.384	261	20.44	5.99	14.96	4.38	2.56	0.16	9.11	27.24
		0.3	75	580.165	274	21.17	6.21	15.57	4.56	2.65	0.17	9.69	28.97	544.32	257	20.24	5.93	14.78	4.33	2.53	0.16	8.95	26.75
	Medium	0.1	25	459.995	217	18.07	5.3	12.94	3.79	2.26	0.14	7.33	21.91	390	184	16.19	4.75	11.37	3.33	2.02	0.13	6.04	18.06
		0.2	50	445.22	210	17.68	5.18	12.61	3.7	2.21	0.14	7.06	21.09	374.4	177	15.75	4.62	11.01	3.23	1.97	0.12	5.75	17.2
		0.3	75	426.505	201	17.19	5.04	12.2	3.57	2.15	0.14	6.71	20.07	355.875	168	15.21	4.46	10.57	3.1	1.9	0.12	5.41	16.17
	Low	0.1	25	367.405	173	15.55	4.56	10.84	3.18	1.94	0.12	5.62	16.81	298.35	141	13.39	3.92	9.15	2.68	1.67	0.11	4.32	12.92
		0.2	50	352.63	166	15.11	4.43	10.49	3.08	1.89	0.12	5.35	15.99	274.95	130	12.58	3.69	8.55	2.5	1.57	0.1	3.87	11.57
		0.3	75	328.005	155	14.36	4.21	9.9	2.9	1.79	0.11	4.89	14.61	250.575	118	11.74	3.44	7.92	2.32	1.47	0.09	3.43	10.25
8	High	0.1	25	806.325	381	30.75	9.01	22.1	6.48	3.84	0.24	20.51	61.3	851.175	402	32.5	9.53	23.31	6.83	4.06	0.26	22.61	67.57
		0.2	50	753.675	356	28.77	8.43	20.71	6.07	3.6	0.23	18.23	54.49	817.05	386	31.17	9.14	22.39	6.56	3.9	0.25	21	62.76
		0.3	75	693.225	327	26.65	7.81	19.17	5.62	3.33	0.21	15.93	47.62	777.075	367	29.64	8.69	21.32	6.25	3.7	0.23	19.21	57.43
	Medium	0.1	25	749.775	354	28.63	8.39	20.61	6.04	3.58	0.23	18.07	54.02	774.855	366	29.55	8.66	21.27	6.23	3.69	0.23	19.12	57.15
		0.2	50	700.05	330	26.88	7.88	19.34	5.67	3.36	0.21	16.17	48.34	746.715	352	28.52	8.36	20.53	6.02	3.56	0.22	17.95	53.65
		0.3	75	645.45	305	25.13	7.37	18.01	5.28	3.14	0.2	14.37	42.95	710.535	335	27.24	7.98	19.6	5.74	3.4	0.21	16.55	49.48
	Low	0.1	25	674.7	318	26.05	7.63	18.71	5.48	3.26	0.21	15.3	45.73	628.125	296	24.65	7.22	17.61	5.16	3.08	0.19	13.88	41.5
		0.2	50	636.675	300	24.88	7.29	17.81	5.22	3.11	0.2	14.12	42.2	604.005	285	24	7.03	17.07	5	3	0.19	13.24	39.58
		0.3	75	593.775	280	23.72	6.95	16.84	4.94	2.97	0.19	12.97	38.78	574.86	271	23.21	6.8	16.42	4.81	2.9	0.18	12.49	37.33
10	High	0.1	25	930.2599	439	34.44	10.1	25.17	7.38	4.31	0.27	11.1	33.17	1045.002	493	37.76	11.07	27.81	8.15	4.72	0.3	13.05	39.02
		0.2	50	856.92	404	32.48	9.52	23.54	6.9	4.06	0.26	10	29.91	996.352	470	36.3	10.64	26.67	7.82	4.54	0.29	12.17	36.38
		0.3	75	775.86	366	30.36	8.9	21.75	6.38	3.8	0.24	8.88	26.55	943.81	445	34.82	10.2	25.47	7.47	4.35	0.27	11.31	33.8
	Medium	0.1	25	855.955	404	32.46	9.51	23.52	6.89	4.06	0.26	9.99	29.87	838.508	396	32	9.38	23.13	6.78	4	0.25	9.74	29.13
		0.2	50	791.3	373	30.76	9.02	22.09	6.48	3.85	0.24	9.09	27.17	813.433	384	31.34	9.19	22.58	6.62	3.92	0.25	9.39	28.08
		0.3	75	719.89	340	28.9	8.47	20.52	6.01	3.61	0.23	8.14	24.33	782.34	369	30.53	8.95	21.9	6.42	3.82	0.24	8.97	26.81
	Low	0.1	25	688.045	325	28.05	8.22	19.8	5.8	3.51	0.22	7.72	23.08	557.668	263	24.33	7.13	16.78	4.92	3.04	0.19	6.01	17.97
		0.2	50	641.725	303	26.78	7.85	18.75	5.5	3.35	0.21	7.12	21.28	530.587	250	23.49	6.89	16.12	4.73	2.94	0.19	5.65	16.89
		0.3	75	591.545	279	25.35	7.43	17.59	5.16	3.17	0.2	6.46	19.31	500.497	236	22.52	6.6	15.37	4.51	2.81	0.18	5.24	15.68
12	High	0.1	25	1225.371	578	42.06	12.33	31.67	9.28	5.26	0.33	7.4	22.12	1112.44	525	39.01	11.43	29.16	8.55	4.88	0.31	6.47	19.35
		0.2	50	1184.822	559	40.94	12	30.76	9.02	5.12	0.32	7.05	21.09	1106.35	522	38.85	11.39	29.03	8.51	4.86	0.31	6.43	19.21
		0.3	75	1132.405	534	39.53	11.59	29.6	8.68	4.94	0.31	6.63	19.82	1083.005	511	38.24	11.21	28.52	8.36	4.78	0.3	6.25	18.69
	Medium	0.1	25	911.858	430	33.93	9.95	24.82	7.27	4.24	0.27	5.06	15.12	775.18	366	30.46	8.93	21.83	6.4	3.81	0.24	4.18	12.49
		0.2	50	881.199	416	33.17	9.72	24.16	7.08	4.15	0.26	4.86	14.52	741.86	350	29.59	8.67	21.09	6.18	3.7	0.23	3.97	11.86
		0.3	75	840.65	397	32.15	9.42	23.27	6.82	4.02	0.25	4.6	13.74	701.68	331	28.5	8.35	20.18	5.91	3.56	0.22	3.71	11.1
	Low	0.1	25	731.86	345	29.32	8.59	20.87	6.12	3.66	0.23	3.91	11.67	570.95	269	24.65	7.22	17.08	5.01	3.08	0.19	2.87	8.59
		0.2	50	695.267	328	28.32	8.3	20.03	5.87	3.54	0.22	3.67	10.98	526.3	248	23.26	6.82	15.99	4.69	2.91	0.18	2.59	7.75
		0.3	75	642.85	303	26.83	7.86	18.81	5.51	3.35	0.21	3.34	9.97	479.75	226	21.77	6.38	14.84	4.35	2.72	0.17	2.31	6.89
15	High	0.1	25	1511.64	713	54.22	15.89	39.94	11.71	6.78	0.43	12.68	37.91	1576.38	744	56.62	16.59	41.63	12.2	7.08	0.45	13.69	40.92
		0.2	50	1406.019	664	50.41	14.78	37.23	10.91	6.3	0.4	11.15	33.32	1505.88	711	54.01	15.83	39.79	11.66	6.75	0.43	12.59	37.64
		0.3	75	1290.708	609	46.97	13.77	34.54	10.12	5.87	0.37	9.83	29.4	1424.1	672	51.05	14.96	37.69	11.05	6.38	0.4	11.4	34.07
	Medium	0.1	25	1413.771	667	50.69	14.86	37.42	10.97	6.34	0.4	11.25	33.64	1459.575	689	52.32	15.34	38.6	11.31	6.54	0.41	11.9	35.58
		0.2	50	1314.933	621	47.66	13.97	35.09	10.28	5.96	0.38	10.09	30.17	1397.175	659	50.1	14.69	37	10.84	6.26	0.4	11.02	32.96
		0.3	75	1209.312	571	44.72	13.11	32.71	9.59	5.59	0.35	9.02	26.95	1319.175	623	47.78	14.01	35.19	10.31	5.97	0.38	10.14	30.3
	Low	0.1	25	1289.739	609	46.94	13.76	34.51	10.12	5.87	0.37	9.82	29.37	1228.11	580	45.23	13.26	33.13	9.71	5.65	0.36	9.2	27.5
		0.2	50	1214.157	573	44.85	13.15	32.81	9.62	5.61	0.35	9.06	27.09	1174.845	554	43.8	12.84	31.94	9.36	5.48	0.35	8.69	25.97
		0.3	75	1122.102	530	42.41	12.43	30.78	9.02	5.3	0.33	8.21	24.54	1114.545	526	42.21	12.37	30.61	8.97	5.28	0.33	8.14	24.33
18	High	0.1	25	1710.988	807	60.65	17.78	45.13	13.23	7.58	0.48	6.87	20.52	1965.81	928	67.77	19.86	50.87	14.91	8.47	0.53	8.36	24.98
		0.2	50	1570.162	741	57	16.71	42.05	12.32	7.12	0.45	6.15	18.38	1869.21	882	64.98	19.04	48.66	14.26	8.12	0.51	7.76	23.19
		0.3	75	1416.882	669	53.13	15.57	38.73	11.35	6.64	0.42	5.43	16.23	1770.678	836	62.25	18.25	46.45	13.62	7.78	0.49	7.19	21.49
	Medium	0.1	25	1590.28	750	57.51	16.86	42.49	12.45	7.19	0.45	6.25	18.68	1589.25	750	57.49	16.85	42.46	12.45	7.19	0.45	6.24	18.66
		0.2	50	1464.782	691	54.34	15.93	39.77	11.66	6.79	0.43	5.65	16.89	1534.65	724	56.1	16.44	41.28	12.1	7.01	0.44	5.98	17.87
		0.3	75	1326.83	626	50.86	14.91	36.78	10.78	6.36	0.4	5.03	15.02	1462.5	690	54.28	15.91	39.72	11.64	6.78	0.43	5.64	16.86
	Low	0.1	25	1306.712	617	50.35	14.76	36.33	10.65	6.29	0.4	4.94	14.76	1064.28	502	43.9	12.87	30.9	9.06	5.49	0.35	3.87	11.58
		0.2	50	1215.702	574	48	14.07	34.33	10.06	6	0.38	4.54	13.56	1008.42	476	42.3	12.4	29.6	8.68	5.29	0.33	3.63	10.84
		0.3	75	1117.028	527	45.37	13.3	32.12	9.41	5.67	0.36	4.1	12.27	950.6	449	40.58	11.89	28.23	8.27	5.07	0.32	3.37	10.07
21	High	0.1	25	1837.3	867	68.26	20.01	49.82	14.6	8.53	0.54	9.17	27.4	1841.23	869	68.36	20.04	49.91	14.63	8.55	0.54	9.19	27.47
		0.2	50	1729	816	65.36	19.16	47.42	13.9	8.17	0.52	8.49	25.37	1850.32	873	68.61	20.11	50.11	14.69	8.58	0.54	9.25	27.65
		0.3	75	1595.05	753	61.85	18.13	44.46	13.03	7.73	0.49	7.7	23.01	1848.3	872	68.56	20.09	50.07	14.67	8.57	0.54	9.24	27.61
	Medium	0.1	25	1381.68	652	56.25	16.49	39.73	11.65	7.03	0.44	6.51	19.45	1175.675	555	50.48	14.8	35	10.26	6.31	0.4	5.37	16.06
		0.2	50	1388.75	655	56.44	16.54	39.89	11.69	7.05	0.45	6.55	19.57	1129.55	533	49.1	14.39	33.91	9.94	6.14	0.39	5.12	15.3
		0.3	75	1345.32	635	55.26	16.2	38.91	11.4	6.91	0.44	6.31	18.85	1156.2	546	49.9	14.63	34.54	10.12	6.24	0.39	5.27	15.74
	Low	0.1	25	898.9	424	41.53	12.17	28.11	8.24	5.19	0.33	3.81	11.38	946.72	447	43.21	12.66	29.36	8.61	5.4	0.34	4.08	12.2
		0.2	50	907.99	428	41.86	12.27	28.35	8.31	5.23	0.33	3.86	11.54	824.5	389	38.81	11.38	26.12	7.66	4.85	0.31	3.38	10.1
		0.3	75	919.1	434	42.25	12.38	28.64	8.4	5.28	0.33	3.92	11.73	734.29	347	35.47	10.4	23.68	6.94	4.43	0.28	2.88	8.61
24	High	0.1	25	2072.64	978	79.72	23.37	57.32	16.8	9.96	0.63	12.98	38.81	2388.75	1127	91.1	26.7	65.5	19.2	11.39	0.72	16.44	49.15
		0.2	50	1930.56	911	75.23	22.05	53.88	15.79	9.4	0.59	11.72	35.03	2301.975	1086	87.82	25.74	63.2	18.52	10.98	0.69	15.41	46.06
		0.3	75	1773.12	837	70.94	20.79	50.35	14.76	8.87	0.56	10.56	31.57	2197.65	1037	84.02	24.63	60.48	17.73	10.5	0.66	14.25	42.59
	Medium	0.1	25	1925.76	909	75.09	22.01	53.77	15.76	9.39	0.59	11.68	34.91	2057.25	971	79.21	23.22	56.94	16.69	9.9	0.62	12.84	38.37
		0.2	50	1776	838	71.02	20.82	50.42	14.78	8.88	0.56	10.58	31.63	1973.4	931	76.54	22.43	54.9	16.09	9.57	0.6	12.08	36.11
		0.3	75	1609.92	760	66.53	19.5	46.69	13.68	8.32	0.52	9.43	28.19	1860.3	878	73.3	21.48	52.3	15.33	9.16	0.58	11.19	33.45
	Low	0.1	25	1803.84	851	71.77	21.04	51.04	14.96	8.97	0.57	10.78	32.23	1712.52	808	69.31	20.32	49	14.36	8.66	0.55	10.14	30.3
		0.2	50	1661.76	784	67.94	19.91	47.86	14.03	8.49	0.54	9.79	29.25	1693.425	799	68.8	20.16	48.57	14.24	8.6	0.54	10	29.91
		0.3	75	1492.8	704	63.3	18.55	44.03	12.91	7.91	0.5	8.64	25.82	1636.14	772	67.25	19.71	47.28	13.86	8.41	0.53	9.61	28.72
28	High	0.1	25	2834.205	1337	108.67	31.85	78.2	22.92	13.58	0.86	12.91	38.58	2819.92	1331	108.18	31.71	77.84	22.81	13.52	0.85	12.8	38.27
		0.2	50	2661.47	1256	103	30.19	73.93	21.67	12.87	0.81	11.74	35.08	2833.05	1337	108.63	31.84	78.17	22.91	13.58	0.86	12.9	38.55
		0.3	75	2453.03	1158	96.99	28.43	69.12	20.26	12.12	0.76	10.55	31.54	2825.98	1334	108.39	31.77	77.99	22.86	13.55	0.85	12.85	38.4
	Medium	0.1	25	2139.96	1010	88.53	25.95	62.1	18.2	11.07	0.7	8.98	26.84	1764.47	833	77.84	22.81	53.43	15.66	9.73	0.61	7.15	21.37
		0.2	50	2143.02	1011	88.62	25.97	62.17	18.22	11.08	0.7	8.99	26.88	1702.86	804	75.96	22.26	51.95	15.23	9.49	0.6	6.85	20.47
		0.3	75	2069.58	977	86.6	25.38	60.51	17.74	10.83	0.68	8.64	25.81	1750.33	826	77.41	22.69	53.09	15.56	9.68	0.61	7.08	21.17
	Low	0.1	25	1388.22	655	65.45	19.18	43.99	12.89	8.18	0.52	5.26	15.73	1421.76	671	66.65	19.54	44.88	13.15	8.33	0.53	5.44	16.25
		0.2	50	1405.56	663	66.08	19.37	44.45	13.03	8.26	0.52	5.35	16	1239.36	585	59.88	17.55	39.95	11.71	7.48	0.47	4.5	13.44
		0.3	75	1418.82	670	66.55	19.5	44.8	13.13	8.32	0.52	5.42	16.2	1106.88	522	54.56	15.99	36.19	10.61	6.82	0.43	3.82	11.41
30	High	0.1	25	2903.2	1370	111.07	32.55	79.95	23.43	13.88	0.88	13.41	40.1	3415.135	1612	130.41	38.22	93.53	27.41	16.3	1.03	17.83	53.29
		0.2	50	2693.25	1271	104.01	30.48	74.7	21.9	13	0.82	11.94	35.7	3269.42	1543	124.72	36.56	89.6	26.26	15.59	0.98	16.47	49.24
		0.3	75	2464.3	1163	97.29	28.52	69.37	20.33	12.16	0.77	10.61	31.72	3102.475	1464	118.33	34.68	85.14	24.96	14.79	0.93	15.01	44.86
	Medium	0.1	25	2694.2	1271	104.04	30.49	74.72	21.9	13	0.82	11.95	35.71	2952.9	1393	112.83	33.07	81.23	23.81	14.1	0.89	13.79	41.23
		0.2	50	2472.85	1167	97.52	28.58	69.56	20.39	12.19	0.77	10.66	31.85	2803.325	1323	107.62	31.54	77.42	22.69	13.45	0.85	12.69	37.92
		0.3	75	2231.55	1053	91.02	26.68	64.17	18.81	11.38	0.72	9.43	28.19	2621.905	1237	101.76	29.83	72.98	21.39	12.72	0.8	11.49	34.34
	Low	0.1	25	2534.6	1196	99.2	29.08	70.95	20.8	12.4	0.78	10.98	32.83	2530.285	1194	99.09	29.04	70.85	20.77	12.39	0.78	10.96	32.76
		0.2	50	2315.15	1093	93.27	27.34	66.04	19.36	11.66	0.74	9.85	29.44	2469.59	1165	97.43	28.56	69.49	20.37	12.18	0.77	10.64	31.8
		0.3	75	2066.25	975	86.51	25.36	60.44	17.71	10.81	0.68	8.62	25.77	2347.205	1108	94.13	27.59	66.76	19.57	11.77	0.74	10.01	29.92

Table 15

Data based on 78°F/65°F (25.6°C/18.3°C) air on-coil DBT/WBT and 42°F/58°F (5.5°C/14.4°C) entering/leaving water temperature.

DCYP - 6 ROWS

Size	Speed	External Static Pressure		50HZ										60Hz									
				Airflow Rate		Total Capacity		Sensible Capacity		Water Flow Rate		Water Pressure Drop		Airflow Rate		Total Capacity		Sensible Capacity		Water Flow Rate		Water Pressure Drop	
		inwg	Pa	cfm	l/s	MBh	kW	MBh	kW	gpm	l/s	ftwg	kPa	cfm	l/s	MBh	kW	MBh	kW	gpm	l/s	ftwg	kPa
6	High	0.1	25	621.535	293	19.12	5.6	15.55	4.56	2.39	0.15	8.09	24.2	550.368	260	17.53	5.14	14.06	4.12	2.19	0.14	6.95	20.77
		0.2	50	602.82	284	18.69	5.48	15.16	4.44	2.34	0.15	7.78	23.26	552.384	261	17.57	5.15	14.11	4.13	2.2	0.14	6.98	20.86
		0.3	75	580.165	274	18.19	5.33	14.68	4.3	2.27	0.14	7.41	22.16	544.32	257	17.4	5.1	13.94	4.09	2.17	0.14	6.86	20.49
	Medium	0.1	25	459.995	217	15.55	4.56	12.18	3.57	1.94	0.12	5.62	16.81	390	184	13.93	4.08	10.67	3.13	1.74	0.11	4.63	13.85
		0.2	50	445.22	210	15.22	4.46	11.86	3.48	1.9	0.12	5.41	16.19	374.4	177	13.55	3.97	10.33	3.03	1.69	0.11	4.41	13.19
		0.3	75	426.505	201	14.79	4.33	11.46	3.36	1.85	0.12	5.15	15.39	355.875	168	13.08	3.83	9.91	2.9	1.64	0.1	4.15	12.4
	Low	0.1	25	367.405	173	13.37	3.92	10.17	2.98	1.67	0.11	4.31	12.89	298.35	141	11.55	3.39	8.58	2.51	1.44	0.09	3.33	9.97
		0.2	50	352.63	166	13	3.81	9.83	2.88	1.62	0.1	4.1	12.26	274.95	130	10.91	3.2	8.02	2.35	1.36	0.09	3.01	9
		0.3	75	328.005	155	12.35	3.62	9.27	2.72	1.54	0.1	3.75	11.2	250.575	118	10.21	2.99	7.44	2.18	1.28	0.08	2.68	8.02
8	High	0.1	25	806.325	381	25.62	7.51	20.47	6	3.2	0.2	14.86	44.42	851.175	402	27.05	7.93	21.57	6.32	3.38	0.21	16.36	48.89
		0.2	50	753.675	356	24.15	7.08	19.25	5.64	3.02	0.19	13.39	40.03	817.05	386	25.96	7.61	20.73	6.08	3.24	0.2	15.21	45.45
		0.3	75	693.225	327	22.66	6.64	17.93	5.26	2.83	0.18	11.97	35.77	777.075	367	24.76	7.26	19.77	5.8	3.09	0.2	13.99	41.82
	Medium	0.1	25	749.775	354	24.05	7.05	19.17	5.62	3.01	0.19	13.3	39.74	774.855	366	24.7	7.24	19.72	5.78	3.09	0.19	13.93	41.65
		0.2	50	700.05	330	22.82	6.69	18.08	5.3	2.85	0.18	12.12	36.23	746.715	352	23.97	7.03	19.1	5.6	3	0.19	13.22	39.52
		0.3	75	645.45	305	21.53	6.31	16.91	4.96	2.69	0.17	10.94	32.71	710.535	335	23.08	6.76	18.31	5.37	2.88	0.18	12.36	36.94
	Low	0.1	25	674.7	318	22.22	6.51	17.54	5.14	2.78	0.18	11.56	34.55	628.125	296	21.13	6.19	16.54	4.85	2.64	0.17	10.59	31.64
		0.2	50	636.675	300	21.33	6.25	16.72	4.9	2.67	0.17	10.76	32.16	604.005	285	20.58	6.03	16.03	4.7	2.57	0.16	10.1	30.2
		0.3	75	593.775	280	20.35	5.96	15.81	4.63	2.54	0.16	9.9	29.6	574.86	271	19.92	5.84	15.41	4.52	2.49	0.16	9.54	28.5
10	High	0.1	25	930.26	439	29.55	8.66	23.7	6.95	3.69	0.23	8.47	25.3	1045	493	32.26	9.45	26.16	7.67	4.03	0.25	9.88	29.54
		0.2	50	856.92	404	27.89	8.18	22.16	6.5	3.49	0.22	7.65	22.86	996.352	470	31.08	9.11	25.11	7.36	3.89	0.25	9.26	27.67
		0.3	75	775.86	366	26.1	7.65	20.46	6	3.26	0.21	6.8	20.33	943.81	445	29.86	8.75	23.99	7.03	3.73	0.24	8.62	25.77
	Medium	0.1	25	855.955	404	27.87	8.17	22.14	6.49	3.48	0.22	7.64	22.83	838.508	396	27.48	8.06	21.78	6.38	3.44	0.22	7.45	22.27
		0.2	50	791.3	373	26.44	7.75	20.79	6.09	3.3	0.21	6.96	20.8	813.433	384	26.93	7.89	21.25	6.23	3.37	0.21	7.19	21.49
		0.3	75	719.89	340	24.84	7.28	19.28	5.65	3.11	0.2	6.23	18.64	782.34	369	26.24	7.69	20.6	6.04	3.28	0.21	6.87	20.53
	Low	0.1	25	688.045	325	24.11	7.07	18.6	5.45	3.01	0.19	5.92	17.68	557.668	263	20.92	6.13	15.71	4.6	2.61	0.16	4.61	13.77
		0.2	50	641.725	303	23.02	6.75	17.59	5.16	2.88	0.18	5.45	16.3	530.587	250	20.19	5.92	15.09	4.42	2.52	0.16	4.33	12.94
		0.3	75	591.545	279	21.79	6.39	16.48	4.83	2.72	0.17	4.95	14.79	500.497	236	19.36	5.67	14.38	4.21	2.42	0.15	4.02	12.01
12	High	0.1	25	1225.37	578	36.04	10.56	29.9	8.76	4.5	0.28	5.63	16.82	1112.44	525	33.52	9.82	27.55	8.08	4.19	0.26	4.95	14.8
		0.2	50	1184.82	559	35.12	10.29	29.05	8.51	4.39	0.28	5.38	16.07	1106.35	522	33.39	9.79	27.43	8.04	4.17	0.26	4.92	14.69
		0.3	75	1132.41	534	33.96	9.95	27.96	8.2	4.24	0.27	5.06	15.14	1083.01	511	32.88	9.64	26.95	7.9	4.11	0.26	4.78	14.3
	Medium	0.1	25	911.858	430	29.24	8.57	23.43	6.87	3.66	0.23	3.89	11.62	775.18	366	26.25	7.69	20.57	6.03	3.28	0.21	3.21	9.6
		0.2	50	881.199	416	28.58	8.38	22.79	6.68	3.57	0.23	3.73	11.16	741.86	350	25.49	7.47	19.85	5.82	3.19	0.2	3.05	9.11
		0.3	75	840.65	397	27.7	8.12	21.95	6.43	3.46	0.22	3.53	10.56	701.68	331	24.53	7.19	18.97	5.56	3.07	0.19	2.85	8.52
	Low	0.1	25	731.86	345	25.26	7.4	19.63	5.75	3.16	0.2	3	8.97	570.95	269	21.29	6.24	16.05	4.7	2.66	0.17	2.22	6.63
		0.2	50	695.267	328	24.37	7.14	18.83	5.52	3.05	0.19	2.82	8.42	526.3	248	20.14	5.9	15.03	4.41	2.52	0.16	2.01	6.01
		0.3	75	642.85	303	23.09	6.77	17.66	5.18	2.89	0.18	2.56	7.65	479.75	226	18.91	5.54	13.95	4.09	2.36	0.15	1.8	5.38
15	High	0.1	25	1511.64	713	45.75	13.41	37.35	10.95	5.72	0.36	9.39	28.05	1576.38	744	47.52	13.93	38.81	11.38	5.94	0.37	10.04	30
		0.2	50	1406.02	664	43.02	12.61	35.01	10.26	5.38	0.34	8.42	25.17	1505.88	711	45.59	13.36	37.22	10.91	5.7	0.36	9.33	27.89
		0.3	75	1290.71	609	40.25	11.8	32.53	9.54	5.03	0.32	7.48	22.36	1424.1	672	43.48	12.74	35.41	10.38	5.43	0.34	8.58	25.64
	Medium	0.1	25	1413.77	667	43.22	12.67	35.18	10.31	5.4	0.34	8.49	25.37	1459.58	689	44.38	13.01	36.19	10.61	5.55	0.35	8.89	26.59
		0.2	50	1314.93	621	40.82	11.96	33.05	9.69	5.1	0.32	7.67	22.93	1397.18	659	42.8	12.55	34.82	10.21	5.35	0.34	8.34	24.94
		0.3	75	1209.31	571	38.38	11.25	30.81	9.03	4.8	0.3	6.88	20.56	1319.18	623	40.92	11.99	33.14	9.71	5.11	0.32	7.7	23.03
	Low	0.1	25	1289.74	609	40.23	11.79	32.51	9.53	5.03	0.32	7.47	22.34	1228.11	580	38.81	11.37	31.21	9.15	4.85	0.31	7.01	20.97
		0.2	50	1214.16	573	38.49	11.28	30.91	9.06	4.81	0.3	6.91	20.67	1174.85	554	37.61	11.02	30.09	8.82	4.7	0.3	6.64	19.84
		0.3	75	1122.1	530	36.43	10.68	28.98	8.49	4.55	0.29	6.27	18.75	1114.55	526	36.27	10.63	28.82	8.45	4.53	0.29	6.22	18.6
18	High	0.1	25	1710.99	807	52.1	15.27	42.61	12.49	6.51	0.41	5.24	15.68	1965.81	928	57.93	16.98	47.96	14.06	7.24	0.46	6.33	18.92
		0.2	50	1570.16	741	49.04	14.37	39.71	11.64	6.13	0.39	4.71	14.08	1869.21	882	55.66	16.31	45.92	13.46	6.96	0.44	5.9	17.63
		0.3	75	1416.88	669	45.76	13.41	36.54	10.71	5.72	0.36	4.17	12.46	1770.68	836	53.42	15.66	43.85	12.85	6.68	0.42	5.48	16.39
	Medium	0.1	25	1590.28	750	49.48	14.5	40.12	11.76	6.18	0.39	4.79	14.31	1589.25	750	49.45	14.49	40.1	11.75	6.18	0.39	4.78	14.29
		0.2	50	1464.78	691	46.79	13.71	37.53	11	5.85	0.37	4.34	12.96	1534.65	724	48.28	14.15	38.97	11.42	6.04	0.38	4.58	13.7
		0.3	75	1326.83	626	43.81	12.84	34.66	10.16	5.48	0.35	3.86	11.53	1462.5	690	46.74	13.7	37.48	10.99	5.84	0.37	4.33	12.93
	Low	0.1	25	1306.71	617	43.37	12.71	34.24	10.04	5.42	0.34	3.79	11.33	1064.28	502	37.79	11.08	29.03	8.51	4.72	0.3	2.97	8.88
		0.2	50	1215.7	574	41.34	12.12	32.32	9.47	5.17	0.33	3.48	10.41	1008.42	476	36.4	10.67	27.78	8.14	4.55	0.29	2.78	8.31
		0.3	75	1117.03	527	39.06	11.45	30.19	8.85	4.88	0.31	3.15	9.41	950.6	449	34.94	10.24	26.48	7.76	4.37	0.28	2.59	7.73
21	High	0.1	25	1837.3	867	58.57	17.17	46.92	13.75	7.32	0.46	6.99	20.89	1841.23	869	58.65	17.19	47	13.78	7.33	0.46	7.01	20.95
		0.2	50	1729	816	56.13	16.45	44.64	13.08	7.02	0.44	6.48	19.38	1850.32	873	58.86	17.25	47.19	13.83	7.36	0.46	7.05	21.08
		0.3	75	1595.05	753	53.15	15.58	41.84	12.26	6.64	0.42	5.89	17.6	1848.3	872	58.81	17.24	47.15	13.82	7.35	0.46	7.04	21.05
	Medium	0.1	25	1381.68	652	48.35	14.17	37.31	10.94	6.04	0.38	4.98	14.89	1175.68	555	43.39	12.72	32.79	9.61	5.42	0.34	4.11	12.29
		0.2	50	1388.75	655	48.51	14.22	37.46	10.98	6.06	0.38	5.01	14.97	1129.55	533	42.21	12.37	31.75	9.31	5.28	0.33	3.92	11.71
		0.3	75	1345.32	635	47.51	13.92	36.53	10.71	5.94	0.37	4.83	14.43	1156.2	546	42.9	12.57	32.35	9.48	5.36	0.34	4.03	12.05
	Low	0.1	25	898.9	424	35.81	10.5	26.3	7.71	4.48	0.28	2.93	8.76	946.72	447	37.17	10.9	27.45	8.04	4.65	0.29	3.13	9.35
		0.2	50	907.99	428	36.07	10.57	26.52	7.77	4.51	0.28	2.97	8.87	824.5	389	33.65	9.86	24.5	7.18	4.21	0.27	2.63	7.85
		0.3	75	919.1	434	36.39	10.67	26.78	7.85	4.55	0.29	3.01	9.01	734.29	347	30.92	9.06	22.26	6.52	3.87	0.24	2.26	6.76
24	High	0.1	25	2072.64	978	67.8	19.87	53.65	15.73	8.48	0.53	9.75	29.15	2388.75	1127	75.92	22.25	60.66	17.78	9.49	0.6	11.91	35.59
		0.2	50	1930.56	911	64.47	18.9	50.61	14.83	8.06	0.51	8.92	26.66	2301.98	1086	73.51	21.55	58.67	17.2	9.19	0.58	11.25	33.62
		0.3	75	1773.12	837	60.86	17.84	47.26	13.85	7.61	0.48	8.06	24.08	2197.65	1037	70.85	20.77	56.36	16.52	8.86	0.56	10.54	31.51
	Medium	0.1	25	1925.76	909	64.36	18.86	50.51	14.8	8.04	0.51	8.89	26.58	2057.25	971	67.44	19.77	53.32	15.63	8.43	0.53	9.66	28.87
		0.2	50	1776	838	60.92	17.86	47.32	13.87	7.62	0.48	8.07	24.12	1973.4	931	65.46	19.19	51.52	15.1	8.18	0.52	9.16	27.39
		0.3	75	1609.92	760	57.11	16.74	43.78	12.83	7.14	0.45	7.2	21.52	1860.3	878	62.85	18.42	49.12	14.4	7.86	0.5	8.53	25.49
	Low	0.1	25	1803.84	851	61.56	18.04	47.92	14.04	7.7	0.49	8.22	24.57	1712.52	808	59.47	17.43	45.97	13.47	7.43	0.47	7.73	23.12
		0.2	50	1661.76	784	58.3	17.09	44.89	13.16	7.29	0.46	7.47	22.32	1693.43	799	59.03	17.3	45.56	13.35	7.38	0.47	7.63	22.82
		0.3	75	1492.8	704	54.35	15.93	41.25	12.09	6.79	0.43	6.6	19.72	1636.14	772	57.71	16.92	44.34	13	7.21	0.46	7.33	21.92
28	High	0.1	25	2834.21	1337	92.11	27	73.06	21.41	11.51	0.73	9.63	28.79	2819.92	1331	91.76	26.9	72.75	21.32	11.47	0.72	9.57	28.6
		0.2	50	2661.47	1256	87.99	25.79	69.34	20.32	11	0.69	8.88	26.55	2833.05	1337	92.08	26.99	73.04	21.41	11.51	0.73	9.63	28.77
		0.3	75	2453.03	1158	83.17	24.38	64.91	19.02	10.4	0.66	8.04	24.03	2825.98	1334	91.91	26.94	72.88	21.36	11.49	0.72	9.59	28.68
	Medium	0.1	25	2139.96	1010	75.99	22.27	58.23	17.07	9.5	0.6	6.85	20.48	1764.47	833	66.86	19.6	49.97	14.65	8.36	0.53	5.46	16.34
		0.2	50	2143.02	1011	76.06	22.29	58.3	17.09	9.51	0.6	6.86	20.52	1702.86	804	65.25	19.12	48.57	14.24	8.16	0.51	5.23	15.65
		0.3	75	2069.58	977	74.34	21.79	56.72	16.62	9.29	0.59	6.59	19.71	1750.33	826	66.49	19.49	49.65	14.55	8.31	0.52	5.41	16.18
	Low	0.1	25	1388.22	655	56.31	16.5	41.05	12.03	7.04	0.44	4.03	12.06	1421.76	671	57.32	16.8	41.88	12.28	7.17	0.45	4.16	12.45
		0.2	50	1405.56	663	56.84	16.66	41.48	12.16	7.1	0.45	4.1	12.26	1239.36	585	51.57	15.11	37.26	10.92	6.45	0.41	3.45	10.33
		0.3	75	1418.82	670	57.24	16.78	41.81	12.25	7.15	0.45	4.15	12.41	1106.88	522	47.27	13.86	33.85	9.92	5.91	0.37	2.96	8.86
30	High	0.1	25	2903.2	1370	93.8	27.49	74.56	21.85	11.73	0.74	9.95	29.73	3415.14	1612	108.56	31.82	86.55	25.37	13.57	0.86	12.88	38.51
		0.2	50	2693.25	1271	88.74	26.01	70.03	20.52	11.09	0.7	9.02	26.95	3269.42	1543	103.86	30.44	82.95	24.31	12.98	0.82	11.91	35.61
		0.3	75	2464.3	1163	83.43	24.45	65.14	19.09	10.43	0.66	8.08	24.17	3102.48	1464	98.88	28.98	78.97	23.15	12.36	0.78	10.92	32.64
	Medium	0.1	25	2694.2	1271	88.76	26.02	70.05	20.53	11.09	0.7	9.02	26.96	2952.9	1393	95.04	27.86	75.65	22.17	11.88	0.75	10.18	30.43
		0.2	50	2472.85	1167	83.63	24.51	65.33	19.15	10.45	0.66	8.12	24.27	2803.33	1323	91.36	26.78	72.39	21.22	11.42	0.72	9.49	28.38
		0.3	75	2231.55	1053	78.1	22.89	60.19	17.64	9.76	0.62	7.19	21.5	2621.91	1237	87.06	25.52	68.5	20.08	10.88	0.69	8.72	26.06
	Low	0.1	25	2534.6	1196	85.04	24.93	66.64	19.53	10.63	0.67	8.36	25	2530.29	1194	84.94	24.9	66.55	19.51	10.62	0.67	8.35	24.95
		0.2	50	2315.15	1093	80.02	23.45	61.97	18.16	10	0.63	7.51	22.45	2469.59	1165	83.55	24.49	65.26	19.13	10.44	0.66	8.11	24.23
		0.3	75	2066.25	975	74.27	21.77	56.64	16.6	9.28	0.59	6.58	19.67	2347.21	1108	80.76	23.67	62.65	18.36	10.09	0.64	7.63	22.81

Table 16

Data based on 76°F/63°F (24°C/17°C) air on-coil DBT/WBT and 42°F/58°F (5.5°C/14.4°C) entering/leaving water temperature.

Control System Description

Control System Operation

- CP1:

Two pipe system with valve cycled cooling only

Thermostat cycles an electric 2-way or 3-way motorized valve according to the set point. The fan runs as per the setting of fan mode (Hi-Med-Low-Auto).

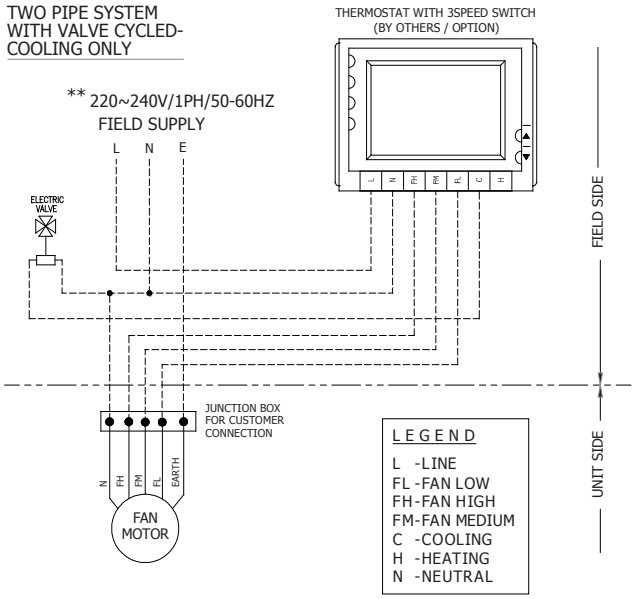


Figure 6

- CP2:

Two pipe system with total electric heat

The thermostat opens an electric 2-way or 3-way motorized valve on cooling coil or switches on the electric heater for heating depending on which is required to satisfy the thermostat setting. Heat/cool selection and fan speed selection is from the thermostat.

When ordering Code CP-2 and the electric heater option FEH, the auto high temperature cut out is provided as standard.

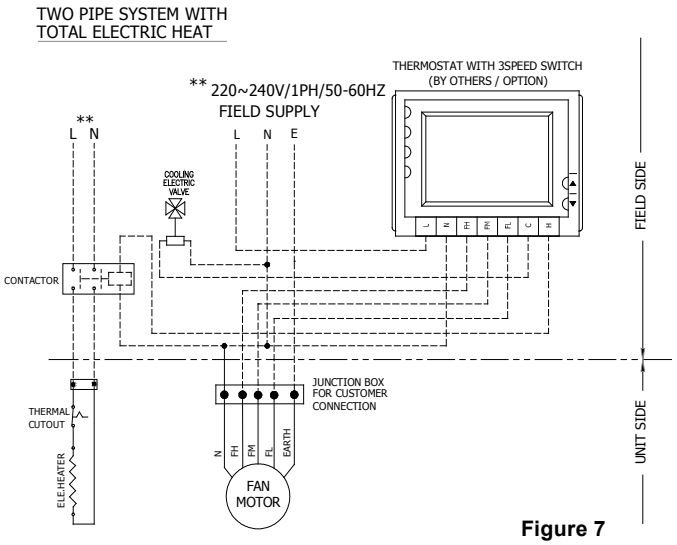


Figure 7

- CP3:

Four pipe system with valve cycled*

The thermostat cycles 2 or 3-way motorized hot or chilled water valves to maintain desired room temperature.
The thermostat with manual Heat- Cool selection prevents recycling.

The fan runs as per the setting of fan mode (Hi-Med-Low-Auto).

**Not applicable for district cooling*

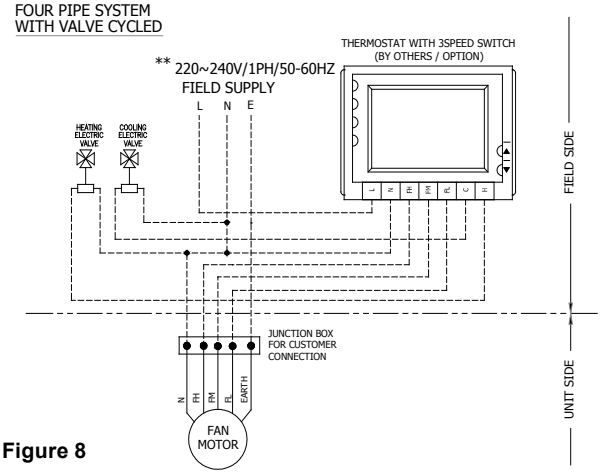


Figure 8

Selection

Selection Considerations

In selecting Hi-Static fan coil units for a specific application the factors to be considered should include:

- Available space for the unit including floor to ceiling height
- Type of application (Standard / District cooling)
- Presence of high sensible or peripheral loads in space
- Functionality of intended space usage
- Availability of access for pipes, drains and power
- Compatibility with intended space finish
- Fresh air and ventilation requirements
- Noise level desired at peak or part load operations
- Control system desired especially if winter heating is required
- Economy of layout

Once a particular model or models in the Hi-Static series is selected after consideration of the above factors, it is necessary to select the unit and coil size to match. It is possible to obtain different unit size with or without different coil depths to meet given design parameters.

The correct unit with correct coil size is obtained only when required cfm at defined speed; i.e. High, Medium or Low to meet sensible load of the space is matched to the correct coil providing the required sensible cooling or outlet temperature at given flow rate and design temperature rise with the unit operating at functional sound levels. To achieve this the engineer or designer must not only check aesthetic needs but also space limitations, psychrometric feasibility, circulation and ventilation, room acoustical effect, control system, piping accesses including overall chilled water circuits and effect of diversity on same.

Selection Procedure

It is recommend to use SKM selection software.
If it is not suitable, then follow the procedure below:

1. Select unit that delivers approximately airflow required at desired speed and external static pressure from airflow rate tables. Select unit with airflow equal or more than that required.

2. Apply correction factors to selected unit and find out the actual total and sensible cooling capacity.

3. Repeat step 1 if required parameter is not met with actual values obtained from initially selected unit.

Control Packages

SKM provides a variety of control options, a few of which are mentioned below. Please consult SKM sales department for other control applications. Thermostat for Heat-Cool auto changeover must be field supplied and field installed by others, if necessary.

Control System

The control systems for SKM Hi-Static FCUs can be selected provided the application is identified for Cooling and/or Heating.

The control system can be:

- 2 - pipe with valve cycled (Code CP1)
- 2 - pipe with total electric heat (Code CP2)
- 4 - pipe with valve cycled (Code CP3)

Control valves in the control system are available in 2 - way and 3 - way motorized versions with compression ends for easy field installation and replacement.

Location of the Thermostat determines need for a remote or unit mounted control.

For remote mounting, option available is:
Wall mounting Digital thermostat with cooling/heating selection and fan speed selection (Code RTH1).

For unit mounting, option available is:
Unit mounting Digital thermostat with cooling/heating selection, fan speed selection and external sensor (Code UTH1).

Valve Packages

SKM offers a wide variety of optional valve packages (Types1 to Type8), shown in Figure 9, that can suit practically any application.

Any one of the following options may be chosen, considering application requirements:

1. Factory furnished and installed as a complete package. Specify Type number.

2. Furnished by the factory and field installed by the customer. Add prefix C to the valve package type; e.g. Type C1.

Specify your valve package requirements from the full line of accessories as follows:

- Gate or stop valve
- Globe or balancing valve
- 3 - way motorized valve, electric
- 2 - way motorized valve, electric

Combinations available can be selected as standard.

Combinations and/or requirements not covered in Figure 9, Type1 to Type8, may be available and should refer to factory for selection.

Ordering and Selection Procedure

To correctly order the desired valve package and/or control package as a complete integrated control system, the following procedure should be adopted.

1. Select desired valve package from Type1 to Type8

2. Decide to have same factory installed. Add prefix C to Type (e.g. Type C1) if to be supplied only by SKM for field installation.

3. Select desired control package Code CP1 to CP3.

4. Select remote mounted or unit mounted thermostat.

5. Complete ordering code option 3CP2RTH1 shall provide a factory installed valve package with a 2 - way electric motorized valve plus stop valve for the supply and return lines as shown in Type3, Figure 9.

The control system is for a 2 - pipe installation total electric heating (option FEH1 or FEH2 should have been ordered as from Table 1, Page 5).

The control system is complete with a wall mounted digital cooling/heating thermostat with 3 - speed switch and manual Heat-Off-Cool changeover switch.

Valve Packages

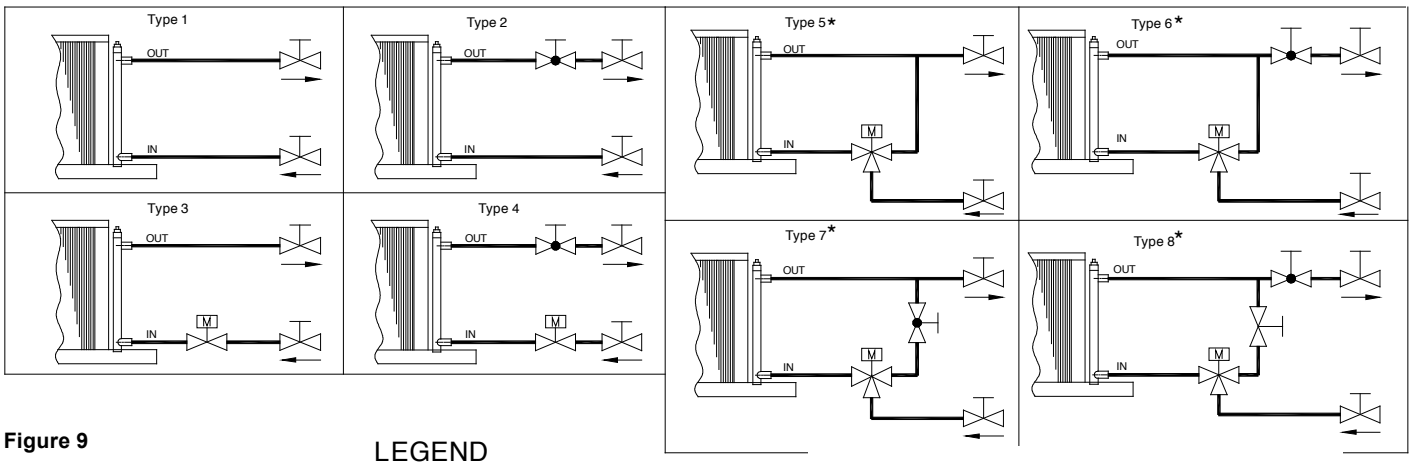


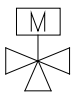
Figure 9

LEGEND


Ball valve


Globe/Balancing valve

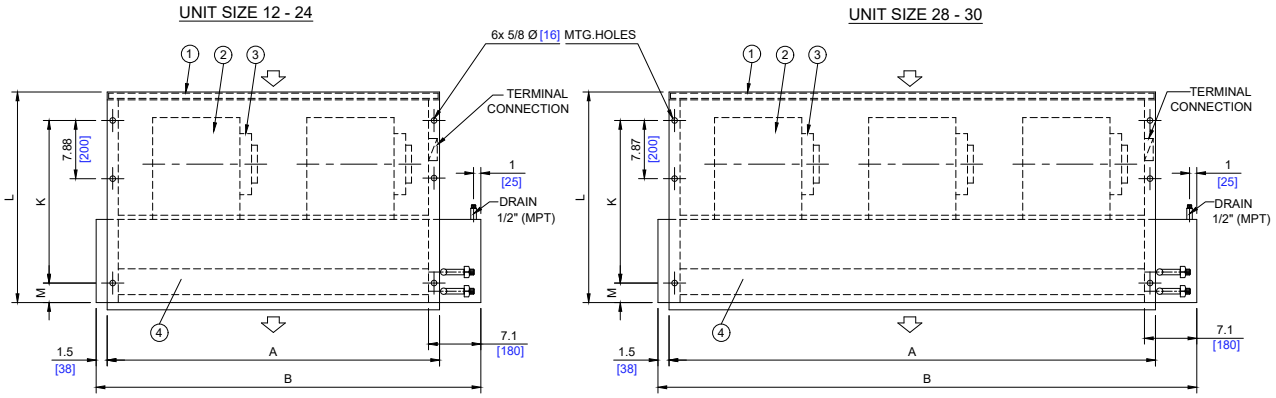
2 Way motorized valve

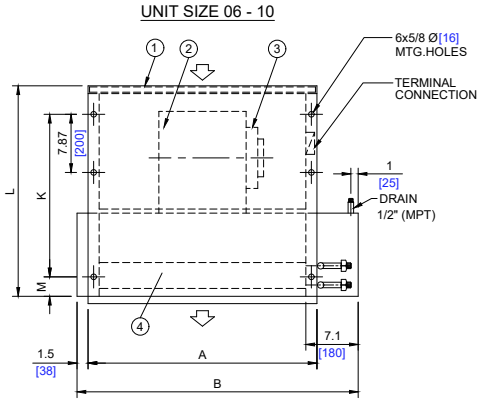


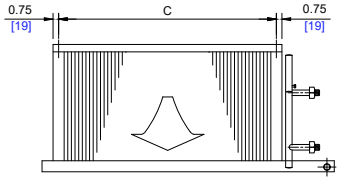
3 way motorized valve

Dimensional Data

DYP and DCYP







LEFT HAND UNIT SHOWN
RIGHT HAND UNIT OPPOSITE

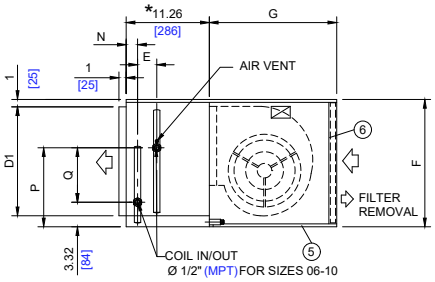
LEGEND

1. INSULATED R.A.PLENUM
2. SUPPLY FAN
3. FAN MOTOR
4. COOLING COIL
5. ACCESS PANEL
6. FILTER

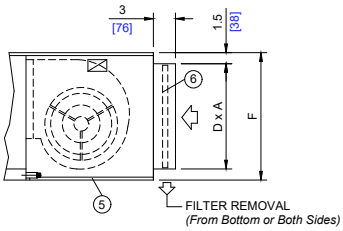
NOTE:

E = 1.73 [44] FOR 3R
2.60 [66] FOR 4R
4.33 [110] FOR 6R

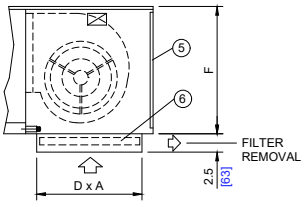
* ADD 1.75 [44] FOR 6 ROW & ADD 2" [50.8] FOR HW & HEATER



FREE RETURN-STANDARD



REAR RETURN-OPTIONAL
(DUCTED)



BOTTOM RETURN-OPTIONAL
(DUCTED)

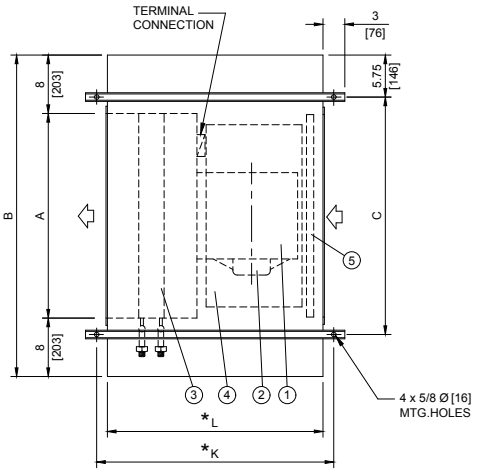
ALL DIMENSIONS ARE IN INCHES [mm]

UNIT MODEL	A		B		C		D		D1		F		G		P		Q	
	INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM
06	23	584	30	763	21.5	546	12	305	12.48	317	15	381	16.42	417	10.8	274	7.5	190
08	27	686	34	865	25.5	648	12	305	12.48	317	15	381	16.42	417	10.8	274	7.5	190
10	27	686	34	865	25.5	648	14.5	368	14.84	377	17.32	440	18.67	474	14.8	375	11.5	291
12	39	991	46	1170	37.5	952	12	305	12.48	317	15	381	16.42	417	10.8	274	7.5	190
15	45	1143	52	1322	43.5	1105	12	305	12.48	317	15	381	16.42	417	10.8	274	7.5	190
18	45	1143	52	1322	43.5	1105	14.5	368	14.84	377	17.32	440	18.67	474	14.8	375	11.5	291
21	51	1295	58	1474	49.5	1257	14.5	368	14.84	377	17.32	440	18.67	474	14.8	375	11.5	291
24	57	1448	64	1627	55.5	1410	14.5	368	14.84	377	17.32	440	18.67	474	14.8	375	11.5	291
28	75	1905	82	2084	73.5	1867	14.5	368	14.84	377	17.32	440	18.67	474	14.8	375	11.5	291
30	75	1905	82	2084	73.5	1867	14.5	368	14.84	377	17.32	440	18.67	474	14.8	375	11.5	291

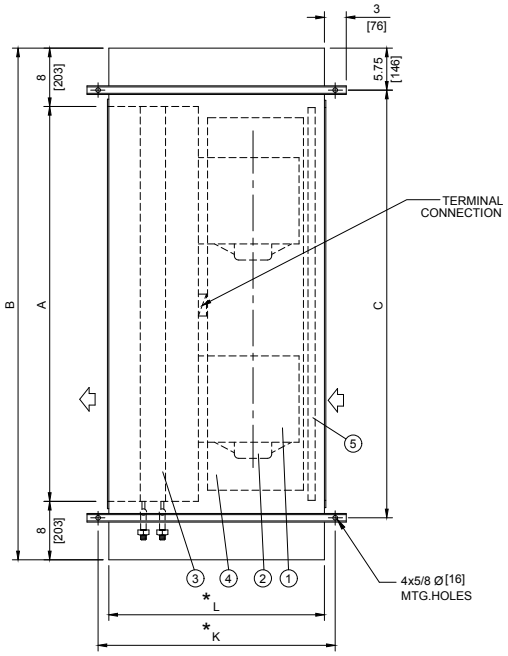
UNIT MODEL	DIMENSIONS FOR	K		L		M		N	
		INCH	MM	INCH	MM	INCH	MM	INCH	MM
06 08 12 15	3R / 4R	22	559	27.68	703	2.64	67	1.54	39
	6R	23.74	603	29.41	747	2.64	67	1.54	39
10 18 21 24 28 30	3R / 4R	26.12	663	29.93	760	0.79	20	1.54	39
	6R	27.84	707	31.66	804	0.79	20	1.54	39

Table 17

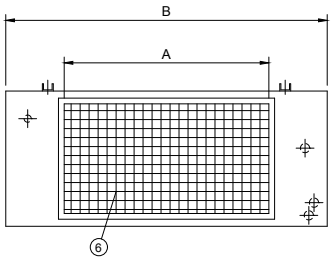
Dimensional Data
DYE and DCYE



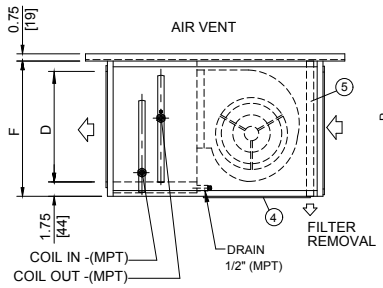
(UNIT SIZE 06-10)



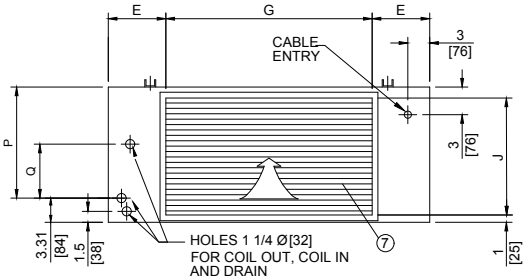
(UNIT SIZE 12-24)



(FRONT VIEW)



Ø 1/2" (MPT) FOR SIZES 06-10
Ø 3/4" (MPT) FOR SIZES 12-24



(REAR VIEW)

LEFT HAND UNIT SHOWN
RIGHT HAND UNIT OPPOSITE

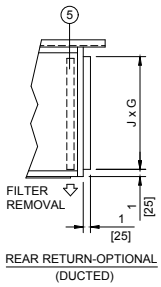
FREE SUPPLY & RETURN WITH GRILL -STANDARD

*ADD 1.75 [45] FOR 6 ROW

UNIT SIZE	A		B		C		D		E		F		G		J		*K		*L		P		Q	
	INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM
06	20	508	36	914	24.5	622	12	305	7.5	190	15	381	21	533	12	305	31.75	806	28.75	730	9.9	251	6.5	165
08	24	610	40	1016	28.5	724	12	305	7.5	190	15	381	25	635	12	305	31.75	806	28.75	730	9.9	251	6.5	165
10	24	610	40	1016	28.5	724	15	381	7.5	190	18.5	470	25	635	16	406	34	864	31	787	13.9	353	10.5	267
12	36	914	52	1321	40.5	1029	12	305	7.5	190	15	381	37	940	12	305	31.75	806	28.75	730	9.9	251	6.5	165
15	42	1067	58	1473	46.5	1181	12	305	7.5	190	15	381	43	1092	12	305	31.75	806	28.75	730	9.9	251	6.5	165
18	42	1067	58	1473	46.5	1181	15	381	7.5	190	18.5	470	43	1092	16	406	34	864	31	787	13.9	353	10.5	267
21	48	1219	64	1626	52.5	1333	15	381	7.5	190	18.5	470	49	1245	16	406	34	864	31	787	13.9	353	10.5	267
24	54	1372	70	1778	58.5	1486	15	381	7.5	190	18.5	470	55	1397	16	406	34	864	31	787	13.9	353	10.5	267

Table 18

ALL DIMENSIONS ARE IN INCHES [MM]



REAR RETURN-OPTIONAL
(DUCTED)

LEGEND
1. SUPPLY FAN
2. FAN MOTOR
3. COOLING COIL
4. ACCESS PANEL
5. FILTER
6. SUPPLY AIR GRILL
7. RETURN AIR GRILL

GUIDE SPECIFICATIONS

Fan Coil Units type and size shall be as indicated on the equipment schedule. Units shall be blow through arrangement. Units configurations shall be horizontal suitable for concealed or exposed applications with or without inlet plenum. Units shall be able to handle external static pressure up to 0.4inWG. Units shall be installed at site as per Installation, Operation and Maintenance (IOM) Manual.

Basic Unit and Cabinet

Fan Coil Units shall include casing, fan(s), motor(s), coil, drain pan, inlet plenum and air filter. Unit casing shall be in galvanized or painted finish as indicated on the equipment schedule. Galvanized finish is standard for all models with exception of exposed units which are with painted finish as standard.

Galvanized casing shall be made of hot-dip galvanized steel sheets. Painted casing shall be made of hot-dip galvanized steel sheets, fabricated steel shall be thoroughly degreased and then phosphatized before application of an average 60 micron baked electrostatic polyester dry powder coating in RAL 7032 color scheme. This finish can pass 1000-hour, 5% salt spray test at 95°F (35°C) and 95% relative humidity (ASTM B117). Unit casing shall be made of stainless steel or Aluminum, if so specified. Unit casing shall be thermally and acoustically insulated with 12mm thick closed cell polyfoam insulation.

Units shall be supplied with removable panels for easy access to internal components. Units shall be supplied with free return and 1" supply air duct collar.

Fan

Fan shall be double inlet, double width, direct driven with centrifugal type wheel. Fan wheel shall be with multi forward curved blades. Fan shall be applicable for operations up to 0.4 inWG external static pressure. Fan shall be statically and dynamically balanced. Fan housing and wheel shall be made of galvanized steel sheet.

Motor

Motor shall be single phase, 3-speed permanent split capacitor type, 220-240V / 1Ph / 50-60Hz, highly efficient with integral thermal protection (thermal cut-out embedded in the winding). Motor shall have high power factor. Motor shall be with permanent lubricated sleeve bearings.

Coil

Coil shall be constructed of seamless copper tubes, arranged in a staggered form mechanically bonded to high efficiency wavy corrugated Aluminum fins. Copper fins or pre-coated Aluminum fins shall be provided, if so specified.

Fin spacing shall be 12 fpi for chilled water and hot water coils shall be provided as indicated on the equipment schedule. All water coils shall be provided with manual air vent; automatic air vent shall be provided, if so specified. Coil circuiting shall be counter flow (direction of coil water flow shall be counter to direction of unit air flow).

Coil connections shall be MPT type. Coil shall be certified in accordance with Standard AHRI - 410 and tested by compressed air under water to the pressure of 300 psig.

Drain Pan

Drain pan shall be constructed from 1mm thick Zinc-coated steel sheets, shall be painted, irrespective of the type of finish for unit casing and insulated from outside with 4mm thick polyfoam insulation. Drain pan shall be constructed from stainless steel, if so specified. Drain pan shall be extended to include coil, headers and U-bends. The bottom of drain pan shall be plain and drain connection shall be 1/2" MPT,GI pipe.

Filter

Air filter shall be 1" thick washable aluminum media in accordance with ASHRAE 52.2 standards. 1" thick washable or disposable synthetic media shall be provided if so specified.

Options

Following shall be provided, if so specified:

- Double skin casing for locations having a high temperature difference between supply air temperature and surrounding environment of the unit

Electric Heater Battery

Electric heater capacity shall be as indicated on the equipment schedule. Electric heater element shall be constructed from 80/20 nickel chrome resistance wire, which is connected to terminal pins and centered in stainless steel grade 304L sheath metal tubes by compressed magnesium oxide. The terminal pins shall be insulated from metal tube by ceramic bushes. Helical fins mild steel galvanized shall be tightly wounded around tubular heater elements. Stainless steel helical fins shall be provided, if so specified. Electric heater batteries shall be provided with one safety cut-out (auto-reset) and arranged for one stage operation at 220-240V /1Ph / 50-60Hz.

Valve Packages

Valve packages shall be field installed by customer or factory installed, if so specified. As indicated on the equipment schedule, valve packages shall consist of various combinations of gate or stop valves, globe or balancing valves, 2-way motorized valves and 3-way motorized valves.

Thermostats

Thermostat shall be wall mounted decorative type, with large LCD and backlight. Buttons shall be provided for power on/off, fan speed selection, cooling or heating mode selection, set point adjustment and sleep mode selection. Indoor temperature and set point shall be displayed simultaneously. Apart from that, display shall provide fan mode (high, medium, low or auto) and operating mode (cool or heat).

NOTES

NOTES

اجهزة تكييف هواء
AIR CONDITIONING EQUIPMENT

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