These marks apply to different products manufactured by Petra Engineering Industries Co. The inclusion of these marks does not mean they apply to all the products within this publication

CM CATALOG

Comfort Maker

SI/IMP

Air Handling Unit
736 - 4,720 Nominal L/s
(1,560 - 10,000 Nominal CFM)

Table of Contents

Introduction

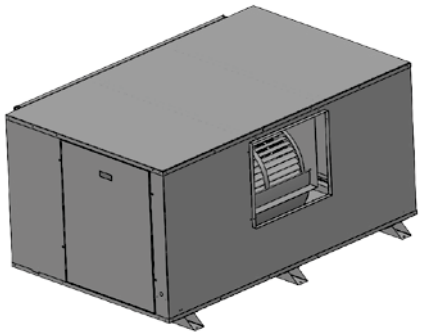
Petra Engineering Industries Company is a highly established HVAC manufacturing company that produces a wide range of sophisticated, high quality commercial and industrial HVAC equipment. Petra's products meet the requirements of globally recognized standards and procedures.

To ensure the highest level of quality all procedures are carried out according to ISO 9001:2015 Quality management systems and ISO14001:2015 environmental management system. Also, all Petra's major products are UL and ETL listed. Petra's air handling units are rated and certified in compliance to standard AHRI 410 & AHRI 430

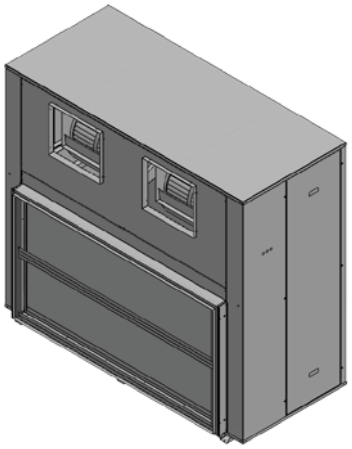
CM air handling units are designed specifically for easy maintenance and installation for small and medium-sized air conditioning systems for commercial and residential applications such as houses, stores, shops, villas, restaurants, commercial complexes, offices, laboratories, theaters, show rooms, etc. These units may be used for cooling and/or heating, and are designed for concealed ceiling installation above the false ceiling with ducted supply and return air distribution for models (CM60 ~ CM96) and ducted supply and free return for models (CM15 ~ CM48). Units of this type consist of a coil, fan, drive motor and flat filter

Unit Types

Horizontal Construction With Horizontal Discharge



Vertical Construction With Horizontal Discharge - OPTIONAL



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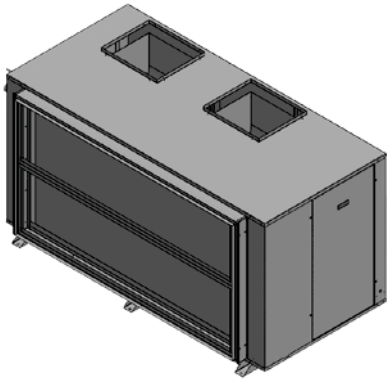

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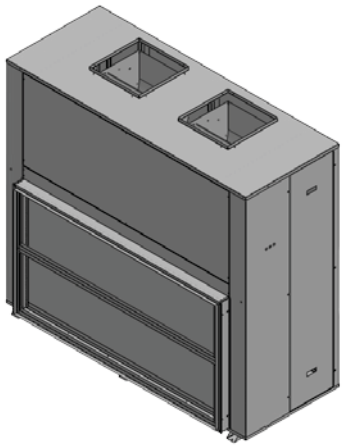


Example:

CM	60	4	H
Series:	**Nominal Air Flow Rate:**	**No of Rows:**	**Construction:**
Comfort	**15** : 1560 CFM **38** : 3790 CFM	**2 3 4 6**	**H**: Horizontal
Maker	**20** : 2000 CFM **48** : 4960 CFM		**V**: Vertical
	24 : 2375 CFM **60** : 6000 CFM		
	30 : 3060 CFM **75** : 7500 CFM		
	96 : 10000 CFM		

Standard Features

Casing (Cabinet)

All units are constructed of heavy gauge galvanized steel. The side panels are removable for the inspection, adjustment and servicing of the coil and motor fan assembly

Insulation

All units are internally lined with 25 mm (1.0 inch) fiberglass insulation or its equivalent

Coils

Coils are manufactured from seamless copper tubes mechanically-expanded into aluminum fins to be suitable for working at 3,068 kPa (300 Psi) air pressure. All coils are air pressure tested at 3,100 kPa (450 Psi), under water to avoid leakage. They also undergo dry chemical cleaning after manufacturing for optimum system cleanliness. All coils are constructed from 9.5 mm (3/8 inch) tube diameter

Drain Pan

All units are provided with a heavy gauge zinc coated galvanized steel drain pan. The drain pan is insulated with rubber foam insulation to prevent condensation and is coated with weatherproof, polyester powder electrostatic paint, oven-baked to ensure maximum gloss and hardness, on the inner-side for efficient condensate removal

Fans

Double inlet, double width centrifugal forward curved fans are used, with V-belt drive with variable pitch pulley . The fans are statically and dynamically balanced to ensure quiet operation and smooth performance. Fan discharge can be supplied either horizontal (as standard) or vertical (as an option)

Motors

Motors are of the totally enclosed induction fan-cooled type, with fan/motor assembly placed on a floating base with a flexible connection at the fan/casing interface. The base itself is mounted on rubber vibration isolators to eliminate noise and vibration transmission to buildings (if any). All motors are of the single-speed type and are highly efficient. All CM fan motors are of the four-pole, induction type, squirrel-cage type, with internal thermal current protection and class "F" insulation

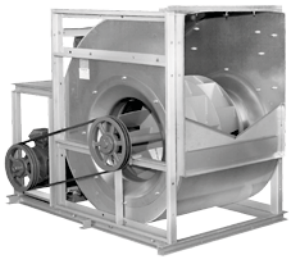
Filters

All CM models are provided with 25 mm (1.0 inch) nominal thickness aluminum mesh media flat filter

Optional Features

Construction

- Double skin (solid or perforated)
- Insulation 50 mm (2.0 inch) thick fiberglass
- Stainless steel drain pan
- Stainless steel casing
- Sheet metal parts shall be coated with weatherproof, polyester powder electrostatic paint, oven-baked to ensure maximum gloss and hardness
- Ducted return air for small capacity units (CM15 ~ CM48) with 100 mm (4.0 inch) increase in its width
- Backward curved fans



Filters

- 50 mm (2.0 inch) or 100 mm (4.0 inch) nominal thickness flat filter
- Unit with side, top or bottom filter withdrawal
- Synthetic fiber media for flat filter

Evaporator coil

- Copper fins
- Polyurethane Pre-coating aluminum fins
- Polyurethane Post-coating aluminum fins
- Polyurethane Post-coating copper fins
- 16.0 mm (5/8 inch) tube diameter coil
- Separate heating coil (4 pipe system)

Controllers

- Manual Room Thermostat

- Digital Room Thermostat

Electrical

- Fan motor contactor (starter)
- External motor overload protection
- Main power circuit breaker
- Two-speed motor
- Variable speed drive
- Electric heater built inside the unit for heating purposes


Electric heater

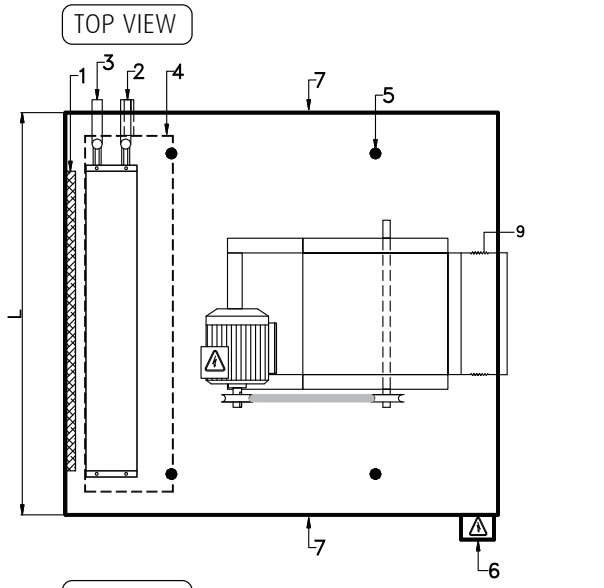
Physical Data

SI	[CM]	15	20	24	30	38	48	60	75	96
CONSTRUCTION										
Unit casing		Heavy gauge galvenized steel without paint								
Insulation		25 mm thick fiberglass or equivelant								
Cooling coil										
Type		Copper tubes, Aluminum fins								
Fins per meter		393								
Total face area	m^2	0.28	0.37	0.37	0.57	0.71	9.20	11.24	1.39	1.86
Tube diameter	mm	9.5								
Max water inlet pressure	kPa	1,380								
Fan										
Type		DWDI forward curved centrifugal								
Qty		1	1	1	1	1	2	1	1	2
Transmission		Belt driven								
Total air flow (nominal)	L/s	736	944	1,121	1,444	1,788	2,341	2,831	3,539	4,719
Fan motor										
Type		Induction 1 - TEFC - IP 55 protection - Class F insulation								
Qty		1								
Nominal motor rating (each)	kW	0.55	0.55	0.75	1.10	1.50	1.50	2.20	4.00	4.00
Connections										
Drain connection	mm	25								
Air filter										
Type		Aluminum mesh media (washable)								
Thickness (nominal)	mm	25								
Weights										
Operating weight	kg	111	125	129	154	179	249	299	336	399

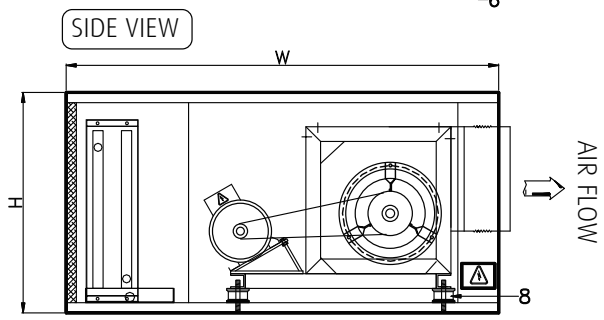
IMP	[CM]	15	20	24	30	38	48	60	75	96
CONSTRUCTION										
Unit casing		Heavy gauge galvenized steel without paint								
Insulation		1.0 inch thick fiberglass or equivelant								
Cooling coil										
Type		Copper tubes, Aluminum fins								
Fins per inch		10								
Total face area	ft^2	3.10	4.00	4.70	6.10	7.60	9.90	12.10	15.00	20.00
Tube diameter	Inch	3/8								
Max water inlet pressure	psi	200								
Fan										
Type		DWDI forward curved centrifugal								
Qty		1	1	1	1	1	2	1	1	2
Transmission		Belt driven								
Total air flow (nominal)	CFM	1,560	2,000	2,375	3,060	3,790	4,960	6,000	7,500	10,000
Fan Motor										
Type		Induction 1 - TEFC - IP 55 protection - Class F insulation								
Qty		1								
Nominal motor rating (each)	HP	0.4103	0.4103	0.5595	0.8206	1.119	1.119	1.6412	2.984	2.984
Connections										
Drain connection	Inch	1								
Air filter										
Type		Aluminum mesh media (washable)								
Thickness (nominal)	Inch	1								
Weights										
Operating weight	lb	245	275	285	340	395	550	660	740	880

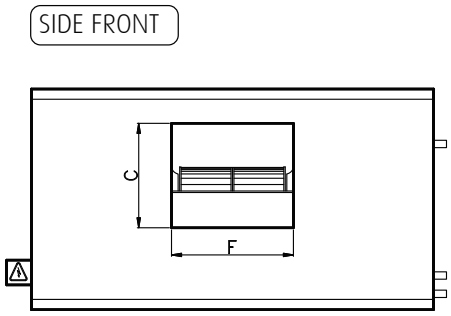
Model Layout

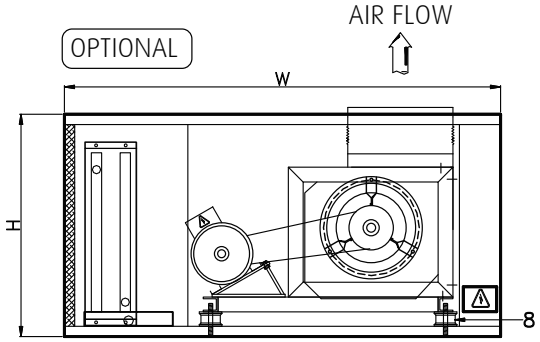
Horizontal Construction



	LEGEND
1	Flat Filter
2	Drain Connection
3	Coil Connection
4	Drain Pan
5	Mounting Holes
6	Electric Connection Box
7	Access Panel
8	Anti-Vibration Mounting
9	Flexible Connection







SI	L	W	H	F	G
CM 15	985	1059	540	329	290
CM 20	1165	1059	540	329	290
CM 24	1315	1059	540	329	290
CM 30	1415	1059	599	395	341
CM 38	1670	1059	599	39	341

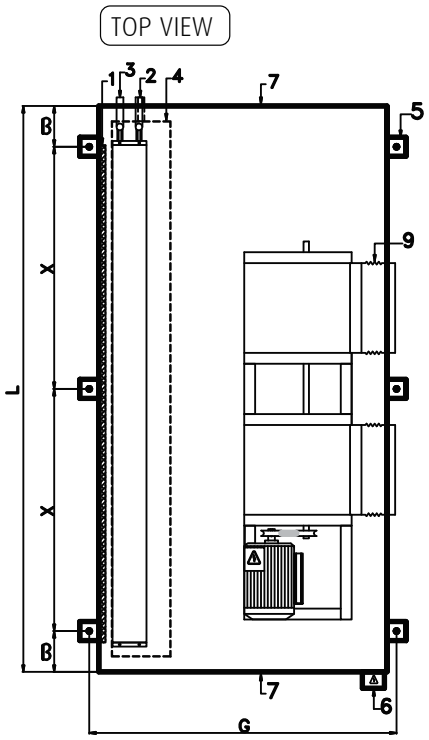
All dimensions are in mm

IMP	L	W	H	F	G
CM 15	38.8	41.7	21.3	13.0	11.4
CM 20	45.9	41.7	21.3	13.0	11.4
CM 24	51.8	41.7	21.3	13.0	11.4
CM 30	55.7	41.7	23.6	15.6	13.4
CM 38	65.8	41.7	23.6	15.6	13.4

All dimensions are in inch

Model Layout

Horizontal Construction



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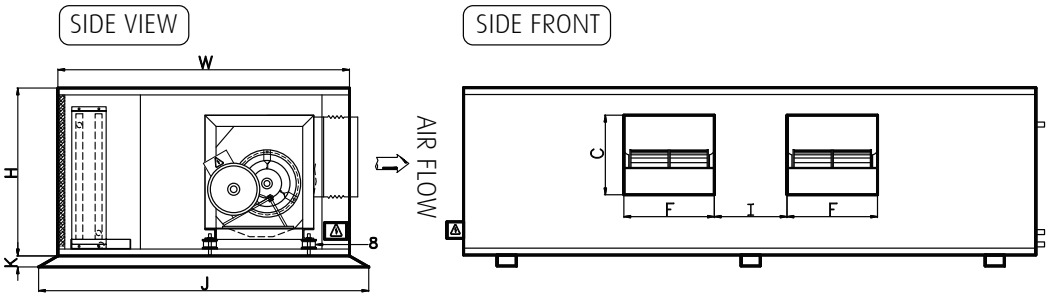
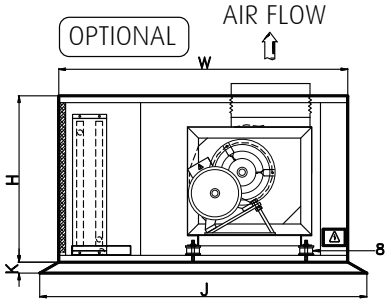




SI	L	W	H	F	I	C	X	G	J	K	B
CM 48	2080	1059	610	329	264	290	890	1150	1199	39	150

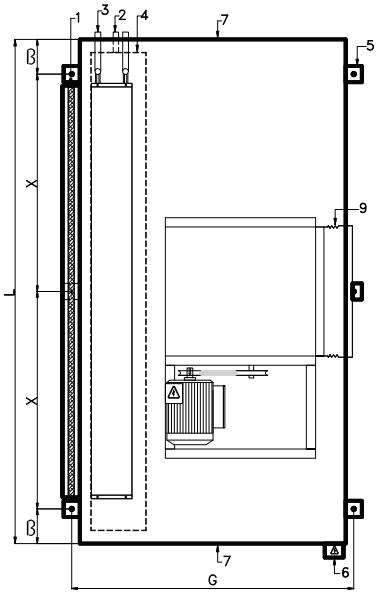
All dimensions are in mm

IMP	L	W	H	F	I	C	X	G	J	K	B
CM 48	81.9	41.7	24.0	12.9	10.4	11.4	35.1	45.3	47.2	1.6	5.9

All dimensions are in inch

Horizontal Construction

TOP VIEW



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8	Anti-Vibration Mounting
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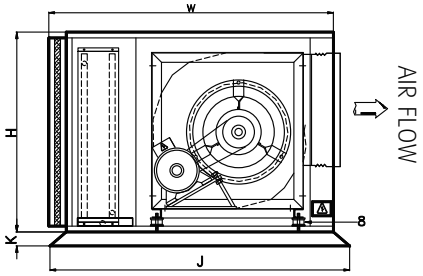
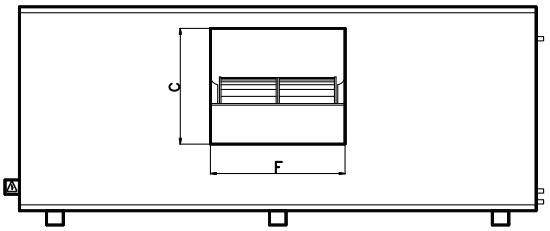
SIDE VIEW



SIDE FRONT



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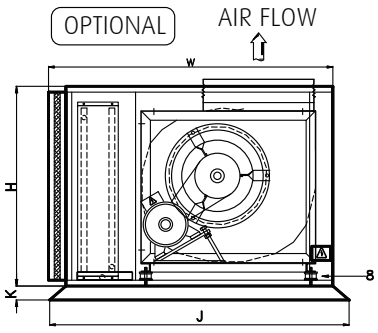


SI	L	W	H	F	C	X	G	J	K	B
CM 60	1830	1285	860	560	480	765	1249	1290	59	150
CM 75	2180	1285	860	560	480	940	1249	1290	59	150

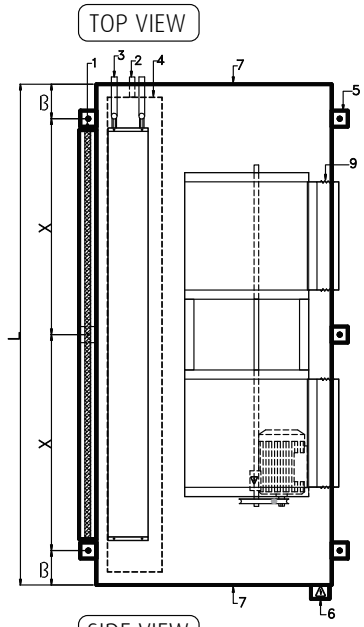
All dimensions are in mm

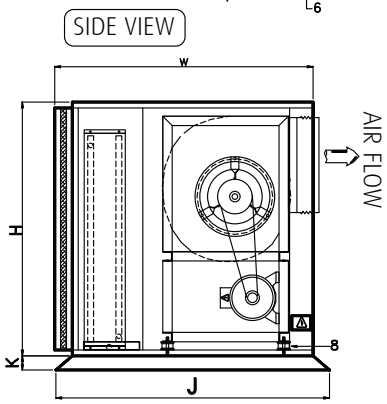
IMP	L	W	H	F	C	X	G	J	K	B
CM 60	72.1	50.6	33.9	22.1	18.9	30.1	49.1	50.8	2.4	5.4
CM 75	85.8	50.6	33.9	22.1	18.9	37.0	49.1	50.8	2.4	5.4

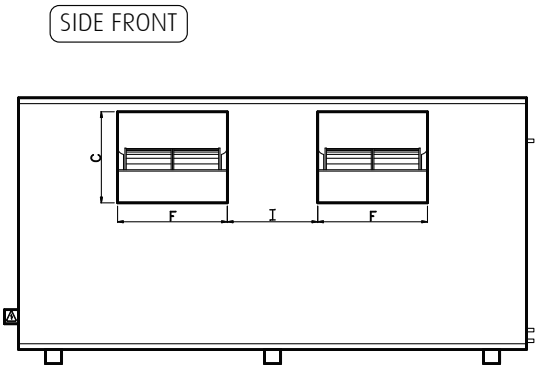
All dimensions are in inch

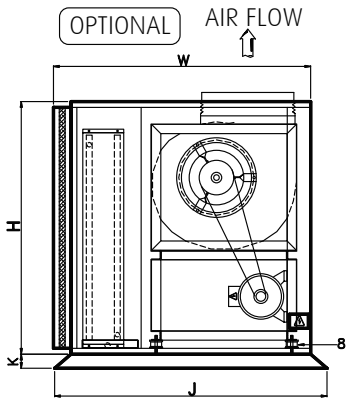
Model Layout

Horizontal Construction









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2	Drain Connection
3	Coil Connection
4	Drain Pan
5	Mounting Holes
6	Electric Connection Box
7	Access Panel
8	Anti-Vibration Mounting
9	Flexible Connection

SI	L	W	H	F	I	C	X	G	J	K	B
CM 96	2180	1135	1080	470	385	404	940	1125	1165	59	150

All dimensions are in mm

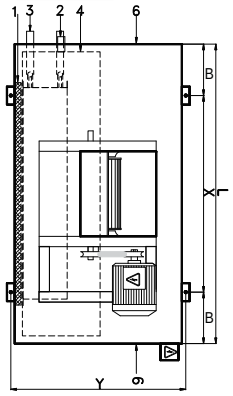
IMP	L	W	H	F	I	C	X	G	J	K	B
CM 96	85.8	44.7	42.5	18.5	15.2	15.9	37.0	44.3	45.9	2.4	5.9

All dimensions are in inch

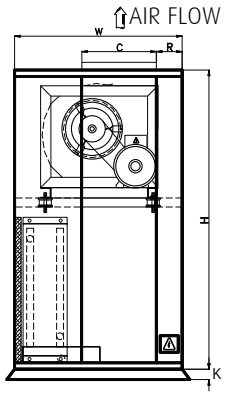
Vertical Construction

	LEGEND
1	Flat Filter
2	Drain Connection
3	Coil Connection
4	Drain Pan
5	Electric Connection Box
6	Access Panel
7	Anti-Vibration Mounting
8	Flexible Connection

TOP VIEW



SIDE VIEW



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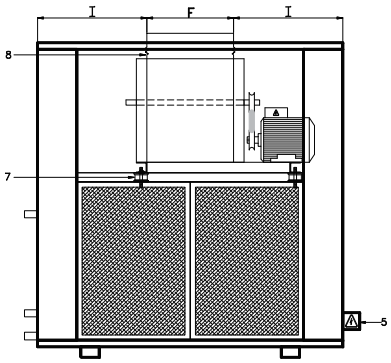

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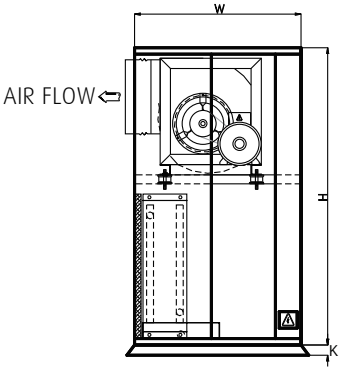


SI	L	W	H	F	I	C	R	X	Y	B	K
CM 15-V	985	650	1160	329	328	290	59	585	680	200	40
CM 20 -V	1165	650	1160	329	418	290	100	765	680	200	40
CM 24 -V	1315	650	1160	329	493	290	100	914	680	200	40
CM 30 -V	1415	750	1300	395	510	341	100	914	1016	200	40
CM 38 -V	1670	750	1300	395	638	341	100	1169	1270	200	40

All dimensions are in mm

IMP	L	W	H	F	I	C	R	X	Y	B	K
CM 15-V	38.8	25.6	45.7	13.0	13.0	11.4	2.4	23.0	26.8	7.9	1.6
CM 20 -V	45.8	25.6	45.7	13.0	16.5	11.4	3.9	30.1	26.8	7.9	1.6
CM 24 -V	51.8	25.6	45.7	13.0	19.4	11.4	3.9	36.0	26.8	7.9	1.6
CM 30 -V	55.7	29.6	51.2	15.6	20.1	13.4	3.9	36.0	40.0	7.9	1.6
CM 38 -V	65.8	29.6	51.2	15.6	25.1	13.4	3.9	46.1	50.0	200	40

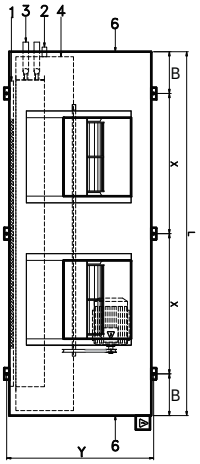
All dimensions are in inch

Model Layout

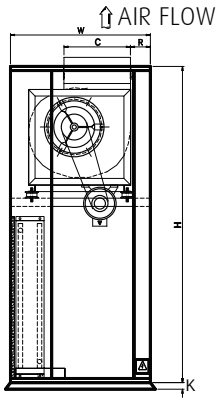
Vertical Construction

	LEGEND
1	Flat Filter
2	Drain Connection
3	Coil Connection
4	Drain Pan
5	Electric Connection Box
6	Access Panel
7	Anti-Vibration Mounting
8	Flexible Connection

TOP VIEW



SIDE VIEW



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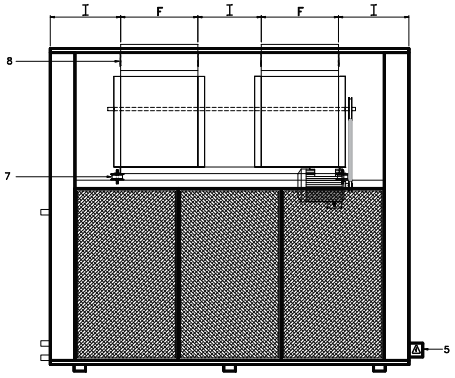

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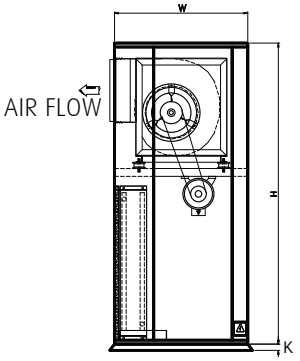


SI	L	W	H	F	I	J	C	R	X	Y	B	K
CM 48-V	1570	750	1530	329	250	331	290	59	585	780	200	40

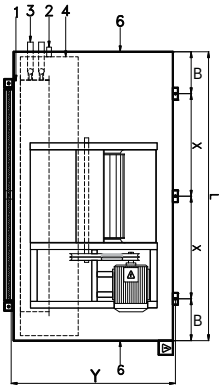
All dimensions are in mm

IMP	L	W	H	F	I	J	C	R	X	Y	B	K
CM 48-V	61.8	29.5	60.2	13.0	10.2	13.0	11.4	2.4	23.0	30.7	7.9	1.6

All dimensions are in inch

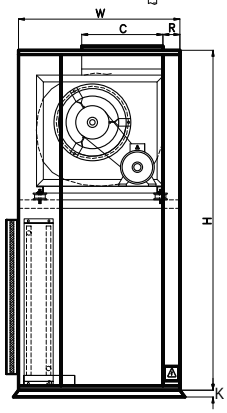
Vertical Construction

TOP VIEW



SIDE VIEW

AIR FLOW



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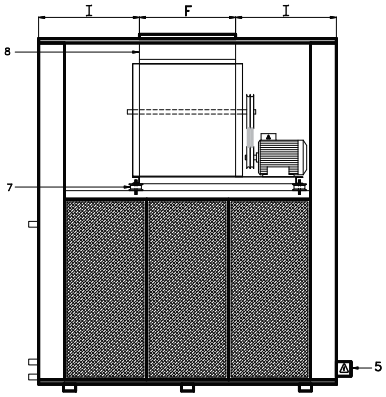
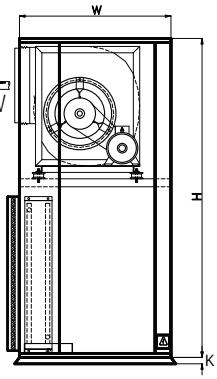


OPTIONAL

AIR FLOW



	LEGEND
1	Flat Filter
2	Drain Connection
3	Coil Connection
4	Drain Pan
5	Mounting Holes
6	Electric Connection Box
7	Access Panel
8	Anti-Vibration Mounting
9	Flexible Connection

SI	L	W	H	F	I	C	R	X	Y	B	K
CM 60-V	1825	950	1739	560	633	480	100	712	979	200	40
CM 75-V	1725	950	2000	560	582	480	100	633	979	200	40

All dimensions are in mm

IMP	L	W	H	F	I	C	R	X	Y	B	K
CM 60-V	71.9	37.4	68.5	22.1	24.9	18.9	3.9	28.1	38.6	7.9	1.6
CM 75-V	67.9	37.4	78.7	22.1	22.9	18.9	3.9	26.1	38.6	7.9	1.6

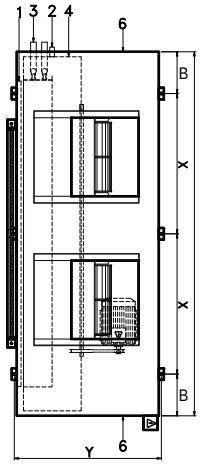
All dimensions are in inch

Model Layout

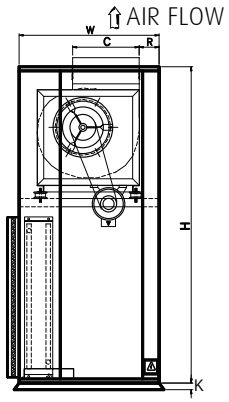
Vertical Construction

	LEGEND
1	Flat Filter
2	Drain Connection
3	Coil Connection
4	Drain Pan
5	Electric Connection Box
6	Access Panel
7	Anti-Vibration Mounting
8	Flexible Connection

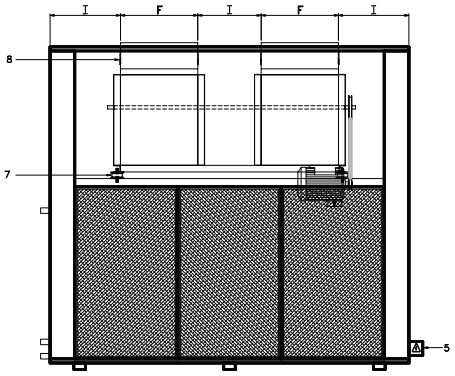
TOP VIEW



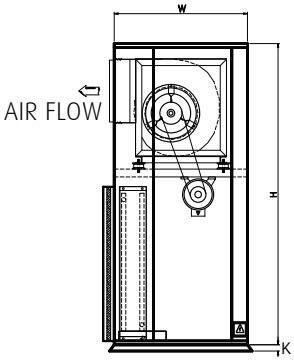
SIDE VIEW



SIDE FRONT



OPTIONAL



SI	L	W	H	F	I	C	R	X	Y	B	K
CM 96-V	2180	849	1920	470	385	404	100	979	880	111	40

All dimensions are in mm

IMP	L	W	H	F	I	C	R	X	Y	B	K
CM 96-V	85.8	33.5	75.6	18.5	15.2	15.9	3.9	38.6	34.6	4.4	1.6

All dimensions are in inch

Selection Procedure

Before you proceed with unit selection, the capacity should be corrected according to the location where the chiller will be installed.

Altitude Correction Factors:

Since air density decreases at elevations above sea level, the fans provide less air mass over the condenser so unit performance should be corrected when operated substantially above sea level.

Selection:

To select any air handling unit from CM series, the following should be provided:

- Design capacity in kW (MBH)
- Entering air dry bulb & wet bulb temperature in °C (°F)
- Entering water temperature in °C (°F)
- Altitude of space where chiller is to be installed

Example:

Air Flow Rate	1,120 L/s (2,370 CFM)
Total cooling load	33.7 kW (115.0 MBH)
Sensible cooling load	20.8 kW (71.0 MBH)
Entering air temperature (DB/WB)	26.7 / 19.4 °C (80 / 67 °F)
Entering water temperature	6.7 °C (44 °F)
External static pressure	0.75 Inch of water
Altitude	610 m (2000 ft)

Unit Size Selection:

The capacity should be corrected at 610 m (2000 ft)

Correction of capacity: 33.7 kW (115.0 MBH) / 0.99
= 340.0 kW (116.2 MBH)

Sensible Capacity: 20.8 kW (71.0 MBH) / 0.99
= 21.0 kW (71.7 MBH)

Result of selection:

From the cooling capacities on page 30, by using interpolation, model CM 24 with 6-Rows coil is the closest selection to the required total and sensible capacities with the following data:

Total Capacity:	34.4 kW (117.4 MBH)
Sensible Capacity:	21.5 kW (73.5 MBH)
Water Flow Rate:	2.1 L/s (32.5 GBM)
Water Pressure Drop:	55.0 kPa (18.4 Ft of H2O)
Air Flow Rate:	1,121 L/s (2,375 CFM)

From the motor power rating table page 42, the motor rating of CM 24 with 2.5 MPS (500 FPM) face velocity and 0.186 kPa (0.75 inch water) external pressure drop, is 0.75 kW

Altitude Meter [ft]	Correction Factor
Sea Level	1.000
305 (1000)	0.995
610 (2000)	0.990
915 (3000)	0.985
1220 (4000)	0.980
1525 (5000)	0.973
1830 (6000)	0.976
2135 (7000)	0.960
2440 (8000)	0.950

Performance Data - SI

Inlet Water Temp. 5.5°C - 393 Fins Per Meter Cooling Coil

MODEL	ON COIL TEMP. (°C)		AFR	3 ROWS				4 ROWS				6 ROWS			
	DB	WB	(L/s)	T. CAP (kW)	S. CAP (kW)	WFR (L/s)	WPD (kPa)	T. CAP (kW)	S. CAP (kW)	WFR (L/s)	WPD (kPa)	T. CAP (kW)	S. CAP (kW)	WFR (L/s)	WPD (kPa)
CM 15	24	17	662	10.1	7.6	0.4	7.8	12.9	9.4	0.6	14.7	16.9	11.8	0.7	31.4
	26	18		12.0	8.7	0.5	10.7	15.1	10.7	0.7	19.5	19.3	13.4	0.8	40.3
	27	19		13.8	9.2	0.6	14.1	17.2	11.3	0.7	25.1	21.7	14.1	0.9	50.1
	29	21		17.8	10.3	0.8	22.8	21.8	12.6	0.9	39.0	26.9	15.6	1.2	74.6
	24	17	736	10.8	8.1	0.5	8.9	13.9	10.1	0.6	16.9	18.3	12.9	0.8	36.4
	26	18		12.9	9.4	0.6	12.3	16.2	11.6	0.7	22.5	20.9	14.6	0.9	46.7
	27	19		14.8	9.9	0.6	16.1	18.6	12.3	0.8	29.0	23.6	15.4	1.0	58.3
	29	21		19.2	11.1	0.8	26.3	23.6	13.6	1.0	45.4	29.3	17.1	1.3	87.3
	24	17	810	11.5	8.7	0.5	10.0	15.0	10.9	0.7	19.3	19.7	14.0	0.9	41.8
	26	18		13.7	10.0	0.6	13.8	17.5	12.4	0.8	25.8	22.6	15.8	1.0	53.7
	27	19		15.9	10.6	0.7	18.3	20.0	13.2	0.9	33.2	25.5	16.7	1.1	67.3
	29	21		20.5	11.8	0.9	29.9	25.4	14.6	1.1	52.1	31.8	18.5	1.4	101.2
CM 20	24	17	849	14.1	10.1	0.6	15.9	17.5	12.4	0.8	28.6	22.4	15.5	1.0	58.8
	26	18		16.5	11.6	0.7	21.4	20.3	14.1	0.9	37.5	25.5	17.5	1.1	74.5
	27	19		18.9	12.3	0.8	27.7	23.0	14.9	1.0	47.6	28.6	18.4	1.2	92.4
	29	21		24.1	13.7	1.0	44.0	29.0	16.6	1.3	73.1	35.1	20.3	1.5	135.3
	24	17	944	15.1	10.9	0.7	18.1	19.0	13.5	0.8	33.0	24.2	16.9	1.1	68.0
	26	18		17.7	12.5	0.8	24.5	21.9	15.3	1.0	43.4	27.6	19.1	1.2	86.8
	27	19		20.4	13.2	0.9	31.9	25.0	16.2	1.1	55.3	31.1	20.1	1.4	107.7
	29	21		26.0	14.7	1.1	50.8	31.4	18.0	1.4	85.3	38.4	22.2	1.7	159.9
	24	17	1,039	16.1	11.7	0.7	20.5	20.4	14.5	0.9	37.7	26.2	18.3	1.1	78.5
	26	18		18.9	13.4	0.8	27.8	23.6	16.4	1.0	49.7	29.9	20.6	1.3	100.1
	27	19		21.8	14.2	0.9	36.3	26.8	17.4	1.2	63.4	33.6	21.8	1.5	124.7
	29	21		27.9	15.8	1.2	58.1	33.9	19.3	1.5	98.2	41.6	24.1	1.8	185.2
CM 24	24	17	1,009	15.7	11.6	0.7	8.6	20.0	14.4	0.9	15.9	26.0	18.1	1.1	33.4
	26	18		18.5	13.3	0.8	11.8	23.2	16.4	1.0	21.2	29.6	20.5	1.3	42.7
	27	19		21.4	14.2	0.9	15.5	26.4	17.4	1.2	27.1	33.3	21.6	1.4	53.1
	29	21		27.5	15.8	1.2	25.1	33.4	19.3	1.5	42.2	41.2	23.9	1.8	79.0
	24	17	1,121	16.8	12.5	0.7	9.8	21.5	15.6	0.9	18.4	28.1	19.8	1.2	38.7
	26	18		19.9	14.4	0.9	13.6	25.1	17.7	1.1	24.5	32.1	22.3	1.4	49.6
	27	19		22.9	15.2	1.0	17.8	28.6	18.8	1.2	31.4	36.2	23.6	1.6	61.9
	29	21		29.6	17.0	1.3	28.9	36.2	20.9	1.6	49.2	44.9	26.1	2.0	92.7
	24	17	1,233	17.9	13.4	0.8	11.1	23.1	16.7	1.0	21.0	30.3	21.3	1.3	44.5
	26	18		21.2	15.4	0.9	15.3	26.9	19.1	1.2	28.0	34.6	24.1	1.5	57.1
	27	19		24.5	16.3	1.1	20.2	30.7	20.2	1.3	36.0	39.1	25.5	1.7	71.5
	29	21		31.7	18.2	1.4	32.9	39.0	22.4	1.7	56.4	48.5	28.2	2.1	107.2
CM 30	24	17	1,300	18.5	14.3	0.8	4.2	24.2	17.9	1.1	8.2	32.3	22.9	1.4	17.7
	26	18		22.1	16.5	1.0	5.9	28.3	20.5	1.2	11.0	37.0	25.9	1.6	22.8
	27	19		25.6	17.5	1.1	7.9	32.4	21.7	1.4	14.2	41.8	27.3	1.8	28.6
	29	21		33.4	19.6	1.5	13.1	41.4	24.1	1.8	22.6	51.9	30.3	2.3	43.0
	24	17	1,444	19.7	15.4	0.9	4.8	26.1	19.4	1.1	9.4	34.9	24.9	1.5	20.4
	26	18		23.6	17.7	1.0	6.7	30.5	22.1	1.3	12.7	40.1	28.2	1.7	26.5
	27	19		27.5	18.8	1.2	9.0	35.0	23.5	1.5	16.4	45.3	29.8	2.0	33.3
	29	21		35.8	21.0	1.6	15.0	44.8	26.1	1.9	26.2	56.4	33.0	2.5	50.3
	24	17	1,588	21.0	16.4	0.9	5.4	27.9	20.8	1.2	10.7	37.5	26.9	1.6	23.4
	26	18		25.1	18.9	1.1	7.6	32.7	23.7	1.4	14.4	43.2	30.4	1.9	30.4
	27	19		29.3	20.1	1.3	10.2	37.6	25.2	1.6	18.8	48.8	32.2	2.1	38.3
	29	21		38.3	22.7	1.7	17.1	48.1	28.0	2.1	30.0	61.0	35.6	2.7	58.2
CM 38	24	17	1,610	24.9	18.5	1.1	8.1	31.8	23.0	1.4	14.9	41.4	28.9	1.8	30.9
	26	18		29.4	21.5	1.3	11.0	36.9	26.1	1.6	19.7	47.2	32.6	2.1	39.5
	27	19		34.0	22.5	1.5	14.6	42.1	27.7	1.8	25.3	53.1	34.5	2.3	49.2
	29	21		43.7	25.1	1.9	23.6	53.2	30.7	2.3	39.4	65.7	38.1	2.9	73.3
	24	17	1,788	26.7	19.9	1.2	9.2	34.3	24.8	1.5	17.1	44.7	31.5	1.9	35.8
	26	18		31.6	22.9	1.4	12.7	39.9	28.3	1.7	22.8	51.1	35.6	2.2	45.9
	27	19		36.5	24.3	1.6	16.7	45.5	29.9	2.0	29.3	57.6	37.6	2.5	57.3
	29	21		47.1	27.1	2.0	27.2	57.7	33.3	2.5	46.0	71.5	41.6	3.1	85.9
	24	17	1,967	28.4	21.3	1.2	10.4	36.7	26.6	1.6	19.5	48.2	34.0	2.1	41.0
	26	18		33.7	24.4	1.5	14.4	42.8	30.4	1.9	26.1	55.1	38.5	2.4	52.8
	27	19		39.0	25.9	1.7	19.0	48.9	32.1	2.1	33.6	62.2	40.6	2.7	66.1
	29	21		50.4	29.0	2.2	31.0	62.1	35.7	2.7	52.8	77.3	44.9	3.4	99.4

Inlet Water Temp. 5.5°C - 393 Fins Per Meter Cooling Coil

MODEL	ON COIL TEMP. (°C)		AFR (L/s)	3 ROWS				4 ROWS				6 ROWS			
	DB	WB		T. CAP (kW)	S. CAP (kW)	WFR (L/s)	WPD (kPa)	T. CAP (kW)	S. CAP (kW)	WFR (L/s)	WPD (kPa)	T. CAP (kW)	S. CAP (kW)	WFR (L/s)	WPD (kPa)
CM 48	24	17	2,107	35.5	25.4	1.5	17.5	44.0	31.1	1.9	30.9	55.8	38.6	2.4	61.7
	26	18		41.5	29.0	1.8	23.6	50.8	35.3	2.2	40.4	63.5	43.5	2.8	78.4
	27	19		47.5	30.7	2.1	30.6	57.7	37.3	2.5	51.3	71.3	45.9	3.1	97.2
	29	21		60.5	34.2	2.6	48.5	72.5	41.4	3.2	78.9	87.5	50.5	3.8	142.2
	24	17	2,341	38.1	27.3	1.7	20.0	47.5	33.6	2.1	35.7	60.6	42.1	2.6	71.7
	26	18		44.6	31.2	1.9	27.1	55.0	38.2	2.4	46.9	68.9	47.5	3.0	91.2
	27	19		51.2	33.1	2.2	35.2	62.5	40.4	2.7	59.7	77.5	50.1	3.4	113.4
	29	21		65.3	36.9	2.8	56.0	78.6	44.8	3.4	92.0	95.7	55.3	4.2	168.1
	24	17	2,575	40.6	29.2	1.8	22.7	51.0	36.1	2.2	40.8	65.3	45.5	2.8	82.5
	26	18		47.7	33.4	2.1	30.8	59.1	41.0	2.6	53.7	74.4	51.4	3.2	105.2
	27	19		54.7	35.4	2.4	40.0	67.2	43.4	2.9	68.4	83.7	54.2	3.6	131.0
	29	21		70.0	39.4	3.0	64.0	84.7	48.2	3.7	105.9	103.6	59.9	4.5	194.9
CM 60	24	17	2,548	41.0	30.0	1.8	11.0	51.7	36.9	2.2	19.9	66.4	46.2	2.9	40.5
	26	18		48.3	34.3	2.1	15.0	59.9	42.0	2.6	26.2	75.7	52.2	3.3	51.7
	27	19		55.5	36.4	2.4	19.6	68.1	44.4	3.0	33.4	85.1	55.0	3.7	64.2
	29	21		71.1	40.5	3.1	31.4	85.7	49.3	3.7	51.7	104.9	60.7	4.6	94.9
	24	17	2,831	44.0	32.3	1.9	12.6	55.7	39.9	2.4	22.9	72.0	50.4	3.1	47.1
	26	18		51.9	37.0	2.3	17.2	64.7	45.5	2.8	30.4	82.2	56.9	3.6	60.2
	27	19		59.7	39.2	2.6	22.5	73.7	48.1	3.2	38.8	92.6	60.2	4.0	75.2
	29	21		76.7	43.7	3.3	36.3	93.1	53.4	4.1	60.4	114.5	66.4	5.0	111.7
	24	17	3,114	46.9	34.5	2.0	14.2	59.8	42.9	2.6	26.2	77.6	54.5	3.4	54.1
	26	18		55.4	39.5	2.4	19.5	69.4	48.8	3.0	34.7	88.5	61.5	3.9	69.2
	27	19		63.8	41.9	2.8	25.5	79.2	51.6	3.4	44.5	99.8	64.9	4.3	86.5
	29	21		82.1	46.7	3.6	41.3	100.2	57.4	4.4	69.4	123.8	71.8	5.4	129.3
CM 75	24	17	3,185	54.4	38.7	2.4	20.6	67.3	47.3	2.9	36.0	85.0	58.6	3.7	71.5
	26	18		63.6	44.2	2.8	27.6	77.6	53.6	3.4	47.0	96.5	66.0	4.2	90.5
	27	19		72.8	46.8	3.2	35.7	88.0	56.7	3.8	59.6	108.3	69.7	4.7	112.2
	29	21		92.6	52.1	4.0	56.4	110.3	62.9	4.8	91.3	133.4	76.9	5.8	165.2
	24	17	3,539	58.3	42.1	2.5	23.4	72.7	51.2	3.2	41.6	92.2	64.0	4.0	83.2
	26	18		68.3	47.6	3.0	31.7	84.0	58.1	3.7	54.5	104.8	72.1	4.6	105.6
	27	19		78.3	50.4	3.4	41.0	95.3	61.4	4.1	69.2	117.7	76.0	5.1	131.0
	29	21		99.8	56.2	4.3	65.1	119.7	68.1	5.2	106.5	145.2	83.9	6.3	193.6
	24	17	3,893	62.4	44.6	2.7	26.7	78.1	55.0	3.4	47.6	99.4	69.2	4.3	95.7
	26	18		73.2	50.9	3.2	36.1	90.2	62.4	3.9	62.5	113.2	77.9	4.9	121.7
	27	19		83.8	54.0	3.6	46.7	102.6	66.0	4.5	79.5	127.4	82.3	5.5	151.6
	29	21		107.1	60.1	4.7	74.4	129.0	73.2	5.6	122.6	157.4	90.9	6.8	224.7
CM 96	24	17	4,247	72.6	51.7	3.2	20.6	89.7	63.1	3.9	36.0	113.3	78.2	4.9	71.5
	26	18		84.7	58.9	3.7	27.6	103.4	71.5	4.5	47.0	128.6	88.0	5.6	90.5
	27	19		97.0	62.4	4.2	35.7	117.3	75.6	5.1	59.6	144.4	92.9	6.3	112.2
	29	21		123.4	69.4	5.4	56.4	147.1	83.8	6.4	91.3	177.8	102.5	7.7	165.2
	24	17	4,719	77.8	56.1	3.4	23.4	97.0	68.3	4.2	41.6	122.9	85.3	5.3	83.2
	26	18		91.1	63.5	4.0	31.7	111.9	77.5	4.9	54.5	139.8	96.1	6.1	105.6
	27	19		104.4	67.2	4.5	41.0	127.1	81.9	5.5	69.2	157.0	101.4	6.8	131.0
	29	21		133.1	74.9	5.8	65.1	159.6	90.8	6.9	106.5	193.7	111.9	8.4	193.6
	24	17	5,191	83.2	59.5	3.6	26.7	104.1	73.3	4.5	47.6	132.5	92.2	5.8	95.7
	26	18		97.6	67.9	4.2	36.1	120.3	83.2	5.2	62.5	150.9	103.9	6.6	121.7
	27	19		111.7	72.0	4.9	46.7	136.8	88.0	5.9	79.5	169.8	109.7	7.4	151.7
	29	21		142.8	80.1	6.2	74.4	172.0	97.6	7.5	122.6	209.8	121.1	9.1	224.7

Legend

AFR : Air Flow Rate
EDB : Entering Dry Bulb Temperature
EWB : Entering Wet Bulb Temperature
T.CAP : Total Cooling Capacity
S.CAP : Sensible Cooling Capacity
PI : Power input

Note

Power input in this page should not be used for cable or breaker selection. MCA and MOP values in the electrical data page (40) should be referred for the same

Performance Data - SI

Inlet Water Temp. 6°C - 393 Fins Per Meter Cooling Coil

MODEL	ON COIL TEMP. (°C)		AFR (L/s)	3 ROWS				4 ROWS				6 ROWS			
	DB	WB		T. CAP (kW)	S. CAP (kW)	WFR (L/s)	WPD (kPa)	T. CAP (kW)	S. CAP (kW)	WFR (L/s)	WPD (kPa)	T. CAP (kW)	S. CAP (kW)	WFR (L/s)	WPD (kPa)
CM 15	24	17	662	9.4	7.3	0.4	6.8	12.2	9.1	0.5	13.0	16.0	11.5	0.7	28.4
	26	18		11.3	8.4	0.5	9.6	14.3	10.4	0.6	17.6	18.4	13.0	0.8	36.8
	27	19		13.1	8.9	0.6	12.7	16.4	11.0	0.7	22.8	20.9	13.8	0.9	46.4
	29	21		17.1	10.0	0.7	21.0	21.0	12.3	0.9	36.2	26.1	15.2	1.1	69.9
	24	17	736	10.1	7.8	0.4	7.7	13.1	9.8	0.6	15.0	17.4	12.5	0.8	32.9
	26	18		12.1	9.1	0.5	10.9	15.4	11.2	0.7	20.3	20.0	14.2	0.9	42.7
	27	19		14.1	9.6	0.6	14.5	17.7	11.9	0.8	26.4	22.7	15.0	1.0	53.9
	29	21		18.4	10.8	0.8	24.1	22.7	13.3	1.0	42.2	28.3	16.6	1.2	81.7
	24	17	810	10.7	8.4	0.5	8.7	14.0	10.5	0.6	17.1	18.7	13.5	0.8	37.7
	26	18		12.9	9.7	0.6	12.3	16.5	12.0	0.7	23.1	21.4	15.3	0.9	48.6
	27	19		15.0	10.3	0.7	16.5	19.0	12.8	0.8	30.2	24.4	16.2	1.1	62.1
	29	21		19.7	11.5	0.9	27.5	24.4	14.3	1.1	48.4	30.6	18.0	1.3	94.4
CM 20	24	17	849	13.2	9.8	0.6	14.0	16.5	12.0	0.7	25.5	21.3	15.0	0.9	53.3
	26	18		15.6	11.2	0.7	19.2	19.3	13.7	0.8	34.1	24.4	17.0	1.1	68.8
	27	19		18.0	11.9	0.8	25.2	22.0	14.5	1.0	43.6	27.5	17.9	1.2	85.7
	29	21		23.2	13.3	1.0	40.8	27.9	16.1	1.2	68.1	34.1	19.9	1.5	127.9
	24	17	944	14.1	10.5	0.6	16.0	17.9	13.0	0.8	29.6	23.0	16.4	1.0	61.9
	26	18		16.8	12.1	0.7	22.0	20.9	14.8	0.9	39.4	26.4	18.5	1.1	79.5
	27	19		19.4	12.9	0.8	28.9	23.9	15.7	1.0	50.7	29.8	19.6	1.3	99.8
	29	21		25.0	14.4	1.1	47.0	30.3	17.5	1.3	79.5	37.2	21.7	1.6	150.0
	24	17	1,039	15.1	11.3	0.7	18.0	19.2	14.0	0.8	33.6	24.7	17.7	1.1	70.6
	26	18		17.9	12.9	0.8	24.9	22.4	15.9	1.0	45.1	28.5	20.0	1.2	91.6
	27	19		20.7	13.7	0.9	32.9	25.7	16.9	1.1	58.1	32.3	21.2	1.4	115.3
	29	21		26.8	15.4	1.2	53.6	32.6	18.8	1.4	91.3	40.2	23.5	1.7	173.5
CM 24	24	17	1,009	14.7	11.2	0.6	7.6	18.8	13.9	0.8	14.2	24.6	17.5	1.1	30.2
	26	18		17.5	12.9	0.8	10.6	22.0	15.9	1.0	19.1	28.3	19.9	1.2	39.1
	27	19		20.3	13.7	0.9	14.0	25.3	16.9	1.1	24.8	32.0	21.1	1.4	49.3
	29	21		26.4	15.4	1.1	23.1	32.2	18.8	1.4	39.2	39.8	23.3	1.7	74.0
	24	17	1,121	15.7	12.1	0.7	8.6	20.2	15.0	0.9	16.3	26.7	19.1	1.2	35.0
	26	18		18.7	13.9	0.8	12.1	23.8	17.2	1.0	22.1	30.7	21.7	1.3	45.4
	27	19		21.8	14.8	0.9	16.1	27.3	18.2	1.2	28.7	34.7	22.9	1.5	57.2
	29	21		28.4	16.5	1.2	26.6	34.9	20.3	1.5	45.6	43.4	25.4	1.9	86.8
	24	17	1,233	16.7	12.9	0.7	9.7	21.7	16.1	0.9	18.6	28.7	20.6	1.2	40.1
	26	18		20.0	14.9	0.9	13.6	25.5	18.5	1.1	25.2	33.0	23.4	1.4	52.1
	27	19		23.3	15.8	1.0	18.2	29.3	19.6	1.3	32.8	37.4	24.8	1.6	65.9
	29	21		30.4	17.7	1.3	30.3	37.5	21.8	1.6	52.4	46.9	27.5	2.0	100.4
CM 30	24	17	1,300	17.1	13.8	0.7	3.6	22.7	17.3	1.0	7.2	30.6	22.1	1.3	15.9
	26	18		20.7	15.9	0.9	5.2	26.8	19.8	1.2	9.9	35.3	25.1	1.5	20.8
	27	19		24.2	16.9	1.1	7.1	30.9	21.1	1.3	12.9	40.1	26.6	1.7	26.4
	29	21		31.9	19.0	1.4	12.0	39.7	23.5	1.7	20.9	50.2	29.5	2.2	40.2
	24	17	1,444	18.3	14.8	0.8	4.1	24.4	18.7	1.1	8.3	33.0	24.0	1.4	18.4
	26	18		22.1	17.1	1.0	5.9	28.9	21.4	1.3	11.3	38.2	27.4	1.7	24.1
	27	19		26.0	18.2	1.1	8.1	33.3	22.8	1.5	14.9	43.4	28.9	1.9	30.6
	29	21		34.3	20.5	1.5	13.8	43.0	25.4	1.9	24.2	54.5	32.1	2.4	47.0
	24	17	1,588	19.4	15.8	0.8	4.6	26.1	20.0	1.1	9.4	35.5	26.0	1.5	21.0
	26	18		23.5	18.3	1.0	6.7	30.9	23.0	1.3	12.9	41.1	29.5	1.8	27.6
	27	19		27.7	19.5	1.2	9.1	35.7	24.4	1.6	17.0	46.5	31.2	2.0	34.9
	29	21		36.6	21.8	1.6	15.6	46.2	27.3	2.0	27.7	58.9	34.7	2.6	54.3
CM 38	24	17	1,610	23.3	17.9	1.0	7.0	29.9	22.2	1.3	13.2	39.2	27.9	1.7	27.9
	26	18		27.8	20.6	1.2	9.9	35.0	25.3	1.5	17.8	45.1	31.7	2.0	36.2
	27	19		32.3	21.9	1.4	13.1	40.2	26.8	1.7	23.1	51.0	33.5	2.2	45.5
	29	21		42.0	24.5	1.8	21.7	51.3	29.9	2.2	36.6	63.5	37.1	2.8	68.7
	24	17	1,788	24.9	19.2	1.1	8.0	32.2	23.9	1.4	15.2	42.4	30.5	1.8	32.3
	26	18		29.8	22.2	1.3	11.3	37.8	27.4	1.6	20.6	48.8	34.5	2.1	41.9
	27	19		34.7	23.6	1.5	15.1	43.4	29.1	1.9	26.7	55.3	36.5	2.4	53.0
	29	21		45.1	26.3	2.0	25.0	55.6	32.4	2.4	42.7	69.1	40.5	3.0	80.5
	24	17	1,967	26.5	20.5	1.2	9.0	34.5	25.7	1.5	17.3	45.6	32.9	2.0	37.0
	26	18		31.7	23.7	1.4	12.7	40.5	29.4	1.8	23.5	52.6	37.3	2.3	48.2
	27	19		37.0	25.2	1.6	17.1	46.6	31.2	2.0	30.6	59.6	39.5	2.6	61.0
	29	21		48.3	28.2	2.1	28.5	59.7	34.8	2.6	48.9	74.8	43.8	3.3	93.1

Inlet Water Temp. 6°C - 393 Fins Per Meter Cooling Coil

MODEL	ON COIL TEMP. (°C)		AFR (L/s)	3 ROWS				4 ROWS				6 ROWS			
	DB	WB		T. CAP (kW)	S. CAP (kW)	WFR (L/s)	WPD (kPa)	T. CAP (kW)	S. CAP (kW)	WFR (L/s)	WPD (kPa)	T. CAP (kW)	S. CAP (kW)	WFR (L/s)	WPD (kPa)
CM 48	24	17	2,107	33.3	24.5	1.4	15.5	41.6	30.0	1.8	27.6	53.1	37.4	2.3	56.1
	26	18		39.3	28.1	1.7	21.3	48.3	34.2	2.1	36.7	60.8	42.3	2.6	72.0
	27	19		45.3	29.8	2.0	27.8	55.2	36.2	2.4	47.1	68.5	44.6	3.0	90.0
	29	21		58.3	33.3	2.5	44.9	69.9	40.3	3.0	73.5	85.1	49.4	3.7	134.6
	24	17	2,341	35.7	26.4	1.6	17.7	44.9	32.5	2.0	31.9	57.5	40.7	2.5	65.0
	26	18		42.2	30.3	1.8	24.4	52.3	37.0	2.3	42.5	65.9	46.1	2.9	83.7
	27	19		48.7	32.1	2.1	31.9	59.7	39.2	2.6	54.7	74.4	48.7	3.2	105.0
	29	21		62.8	35.9	2.7	51.8	75.8	43.7	3.3	85.7	92.6	54.0	4.0	157.7
	24	17	2,575	38.1	28.2	1.7	20.0	48.1	34.8	2.1	36.4	62.0	44.1	2.7	74.7
	26	18		45.1	32.4	2.0	27.6	56.2	39.8	2.4	48.7	71.1	49.9	3.1	96.5
	27	19		52.1	34.4	2.3	36.3	64.3	42.2	2.8	62.8	80.4	52.7	3.5	121.2
	29	21		67.2	38.4	2.9	59.0	81.6	46.9	3.5	98.5	100.2	58.4	4.4	182.7
CM 60	24	17	2,548	38.4	28.9	1.7	9.7	48.7	35.7	2.1	17.7	63.1	44.7	2.7	36.7
	26	18		45.6	33.2	2.0	13.4	56.9	40.7	2.5	23.7	72.4	50.6	3.1	47.4
	27	19		52.8	35.3	2.3	17.7	65.1	43.1	2.8	30.6	81.8	53.6	3.6	59.5
	29	21		68.3	39.4	3.0	29.0	82.7	48.0	3.6	48.2	101.7	59.3	4.4	89.4
	24	17	2,831	41.1	31.1	1.8	11.0	52.5	38.6	2.3	20.4	68.3	48.7	3.0	42.6
	26	18		49.0	35.8	2.1	15.4	61.4	44.1	2.7	27.4	78.5	55.2	3.4	55.1
	27	19		56.7	38.0	2.5	20.3	70.4	46.7	3.1	35.5	88.7	58.4	3.9	69.3
	29	21		73.6	42.5	3.2	33.4	89.7	52.0	3.9	56.2	110.7	64.7	4.8	104.8
	24	17	3,114	43.8	33.3	1.9	12.4	56.2	41.4	2.4	23.2	73.5	52.6	3.2	48.8
	26	18		52.2	38.3	2.3	17.4	66.0	47.3	2.9	31.4	84.5	59.7	3.7	63.3
	27	19		60.6	40.7	2.6	23.1	75.6	50.2	3.3	40.7	95.8	63.1	4.2	79.9
	29	21		78.7	45.5	3.4	38.0	96.5	55.9	4.2	64.5	119.7	70.0	5.2	121.2
CM 75	24	17	3,185	51.1	37.4	2.2	18.2	63.5	45.7	2.8	32.2	80.8	56.8	3.5	65.1
	26	18		60.2	42.8	2.6	24.9	73.8	52.0	3.2	42.7	92.3	64.1	4.0	83.3
	27	19		69.4	45.4	3.0	32.5	84.2	55.1	3.7	54.7	104.1	67.7	4.5	104.1
	29	21		88.9	50.7	3.9	52.1	106.4	61.2	4.6	85.0	129.2	75.0	5.6	155.2
	24	17	3,539	54.8	40.3	2.4	20.8	68.6	49.4	3.0	37.3	87.6	61.9	3.8	75.5
	26	18		64.8	46.2	2.8	28.5	79.9	56.3	3.5	49.6	100.2	70.0	4.4	96.9
	27	19		74.7	49.0	3.2	37.4	91.2	59.7	4.0	63.5	113.2	74.0	4.9	121.4
	29	21		96.0	54.6	4.2	60.2	115.4	66.4	5.0	99.1	140.7	81.9	6.1	182.0
	24	17	3,893	58.5	43.0	2.5	23.6	73.7	53.1	3.2	42.6	94.4	66.9	4.1	86.7
	26	18		69.2	49.4	3.0	32.3	85.8	60.5	3.7	56.7	108.2	75.7	4.7	111.6
	27	19		79.8	52.4	3.5	42.4	98.0	64.1	4.3	72.8	122.2	80.0	5.3	140.1
	29	21		102.9	58.5	4.5	68.8	124.3	71.3	5.4	114.0	152.2	88.6	6.6	210.8
CM 96	24	17	4,247	68.1	49.8	3.0	18.2	84.7	60.9	3.7	32.2	107.7	75.7	4.7	65.0
	26	18		80.3	57.1	3.5	24.9	98.4	69.3	4.3	42.7	123.1	85.5	5.4	83.2
	27	19		92.5	60.6	4.0	32.5	112.3	73.5	4.9	54.7	138.9	90.3	6.0	104.1
	29	21		118.6	67.6	5.2	52.1	141.9	81.7	6.2	85.1	172.2	100.0	7.5	155.2
	24	17	4,719	73.1	53.7	3.2	20.8	91.5	65.9	4.0	37.3	116.8	82.5	5.1	75.5
	26	18		86.4	61.5	3.8	28.5	106.5	75.1	4.6	49.6	133.7	93.3	5.8	96.9
	27	19		99.5	65.3	4.3	37.4	121.5	79.6	5.3	63.5	150.9	98.6	6.6	121.4
	29	21		128.0	72.9	5.6	60.2	153.9	88.5	6.7	99.1	187.6	109.2	8.2	182.1
	24	17	5,191	78.1	57.4	3.4	23.6	98.2	70.8	4.3	42.6	125.8	89.2	5.5	86.7
	26	18		92.2	65.8	4.0	32.3	114.4	80.7	5.0	56.7	144.2	100.9	6.3	111.6
	27	19		106.4	69.8	4.6	42.4	130.7	85.5	5.7	72.8	163.0	106.6	7.1	140.1
	29	21		137.2	78.0	6.0	68.8	165.8	95.1	7.2	114.0	203.0	118.1	8.8	210.8

Legend

AFR : Air Flow Rate
EDB : Entering Dry Bulb Temperature
EWB : Entering Wet Bulb Temperature
T.CAP : Total Cooling Capacity
S.CAP : Sensible Cooling Capacity
PI : Power input

Note

Power input in this page should not be used for cable or breaker selection. MCA and MOP values in the electrical data page (40) should be referred for the same

Performance Data - SI

Inlet Water Temp. 6.5°C - 393 Fins Per Meter Cooling Coil

MODEL	ON COIL TEMP. (°C)		AFR (L/s)	3 ROWS				4 ROWS				6 ROWS			
	DB	WB		T. CAP (kW)	S. CAP (kW)	WFR (L/s)	WPD (kPa)	T. CAP (kW)	S. CAP (kW)	WFR (L/s)	WPD (kPa)	T. CAP (kW)	S. CAP (kW)	WFR (L/s)	WPD (kPa)
CM 15	24	17	662	8.8	7.0	0.4	5.9	11.4	8.7	0.5	11.5	15.2	11.1	0.7	25.5
	26	18		10.6	8.1	0.5	8.4	13.5	10.0	0.6	15.8	17.6	12.6	0.8	33.6
	27	19		12.4	8.7	0.5	11.4	15.6	10.7	0.7	20.7	20.0	13.4	0.9	42.7
	29	21		16.3	9.7	0.7	19.2	20.1	11.9	0.9	33.5	25.2	14.8	1.1	65.3
	24	17	736	9.4	7.6	0.4	6.7	12.2	9.4	0.5	13.1	16.4	12.1	0.7	29.6
	26	18		11.3	8.8	0.5	9.6	14.5	10.9	0.6	18.2	19.0	13.7	0.8	38.8
	27	19		13.3	9.3	0.6	13.0	16.8	11.5	0.7	24.0	21.7	14.6	0.9	49.6
	29	21		17.6	10.5	0.8	22.1	21.8	12.9	0.9	39.0	27.4	16.2	1.2	76.6
	24	17	810	9.9	8.1	0.4	7.5	13.1	10.1	0.6	15.0	17.6	13.0	0.8	33.7
	26	18		12.1	9.4	0.5	10.8	15.6	11.6	0.7	20.7	20.5	14.9	0.9	44.6
	27	19		14.2	10.0	0.6	14.7	18.1	12.4	0.8	27.4	23.4	15.7	1.0	57.0
	29	21		18.8	11.2	0.8	25.1	23.4	13.9	1.0	44.6	29.6	17.5	1.3	88.2
CM 20	24	17	849	12.3	9.4	0.5	12.2	15.5	11.6	0.7	22.7	20.1	14.5	0.9	48.2
	26	18		14.7	10.9	0.6	17.1	18.3	13.3	0.8	30.6	23.2	16.5	1.0	62.7
	27	19		17.1	11.6	0.7	22.8	21.0	14.1	0.9	39.9	26.3	17.4	1.1	79.0
	29	21		22.3	12.9	1.0	37.6	26.9	15.7	1.2	63.3	33.0	19.4	1.4	119.9
	24	17	944	13.2	10.1	0.6	13.9	16.8	12.5	0.7	26.1	21.8	15.8	0.9	55.6
	26	18		15.8	11.7	0.7	19.6	19.7	14.4	0.9	35.5	25.2	18.0	1.1	72.7
	27	19		18.4	12.5	0.8	26.1	22.7	15.3	1.0	46.2	28.6	19.0	1.2	92.0
	29	21		24.0	14.0	1.0	43.3	29.1	17.0	1.3	73.6	35.9	21.1	1.6	140.2
	24	17	1,039	14.0	10.9	0.6	15.7	18.0	13.5	0.8	29.8	23.5	17.1	1.0	64.0
	26	18		16.8	12.5	0.7	22.2	21.2	15.5	0.9	40.6	27.2	19.4	1.2	83.6
	27	19		19.6	13.3	0.9	29.6	24.4	16.4	1.1	52.9	30.9	20.6	1.3	106.0
	29	21		25.7	14.9	1.1	49.3	31.4	18.3	1.4	84.6	38.9	22.9	1.7	162.4
CM 24	24	17	1,009	13.6	10.8	0.6	6.6	17.6	13.4	0.8	12.5	23.3	16.9	1.0	27.2
	26	18		16.4	12.5	0.7	9.3	20.8	15.4	0.9	17.1	27.0	19.3	1.2	35.7
	27	19		19.2	13.3	0.8	12.6	24.0	16.3	1.0	22.5	30.6	20.4	1.3	45.3
	29	21		25.2	14.9	1.1	21.2	30.9	18.3	1.3	36.3	38.5	22.7	1.7	69.2
	24	17	1,121	14.5	11.6	0.6	7.4	18.9	14.5	0.8	14.3	25.2	18.5	1.1	31.4
	26	18		17.6	13.5	0.8	10.7	22.4	16.7	1.0	19.8	29.2	21.0	1.3	41.3
	27	19		20.6	14.3	0.9	14.4	26.0	17.7	1.1	26.1	33.2	22.3	1.4	52.6
	29	21		27.2	16.1	1.2	24.4	33.5	19.8	1.5	42.1	41.9	24.8	1.8	81.0
	24	17	1,233	15.5	12.4	0.7	8.3	20.3	15.5	0.9	16.3	27.1	19.9	1.2	36.0
	26	18		18.7	14.4	0.8	12.0	24.0	17.9	1.0	22.5	31.4	22.7	1.4	47.4
	27	19		22.0	15.3	1.0	16.3	27.8	19.0	1.2	29.7	35.8	24.1	1.6	60.6
	29	21		29.0	17.2	1.3	27.7	36.0	21.2	1.6	48.3	45.3	26.8	2.0	93.8
CM 30	24	17	1,300	15.8	13.2	0.7	3.1	21.1	16.6	0.9	6.3	28.9	21.3	1.3	14.3
	26	18		19.4	15.4	0.8	4.6	25.2	19.2	1.1	8.8	33.6	24.3	1.5	18.9
	27	19		22.9	16.4	1.0	6.3	29.3	20.4	1.3	11.7	38.3	25.8	1.7	24.2
	29	21		30.5	18.5	1.3	10.9	38.1	22.9	1.7	19.2	48.5	28.7	2.1	37.6
	24	17	1,444	16.8	14.2	0.7	3.5	22.7	18.0	1.0	7.2	31.1	23.2	1.4	16.4
	26	18		20.7	16.6	0.9	5.2	27.2	20.8	1.2	10.1	36.3	26.5	1.6	21.9
	27	19		24.5	17.7	1.1	7.2	31.6	22.1	1.4	13.4	41.5	28.1	1.8	28.1
	29	21		32.7	19.9	1.4	12.5	41.2	24.7	1.8	22.3	52.6	31.3	2.3	43.8
	24	17	1,588	17.9	15.2	0.8	3.9	24.2	19.3	1.1	8.1	33.5	25.1	1.5	18.8
	26	18		22.0	17.7	1.0	5.8	29.1	22.3	1.3	11.5	39.0	28.6	1.7	25.0
	27	19		26.0	18.8	1.1	8.1	33.9	23.7	1.5	15.4	44.7	30.4	1.9	32.2
	29	21		34.9	21.2	1.5	14.2	44.3	26.5	1.9	25.5	56.7	33.8	2.5	50.5
CM 38	24	17	1,610	21.6	17.2	0.9	6.1	28.0	21.3	1.2	11.6	37.1	27.0	1.6	25.1
	26	18		26.1	19.9	1.1	8.7	33.1	24.5	1.4	15.9	42.9	30.7	1.9	33.0
	27	19		30.5	21.2	1.3	11.8	38.2	26.0	1.7	21.0	48.8	32.6	2.1	41.9
	29	21		40.1	23.8	1.7	19.9	49.3	29.1	2.1	33.9	61.4	36.2	2.7	64.2
	24	17	1,788	23.1	18.5	1.0	6.9	30.1	23.1	1.3	13.3	40.1	29.4	1.7	29.0
	26	18		27.9	21.4	1.2	10.0	35.7	26.5	1.6	18.4	46.5	33.5	2.0	38.2
	27	19		32.7	22.8	1.4	13.5	41.3	28.2	1.8	24.3	52.9	35.5	2.3	48.7
	29	21		43.2	25.6	1.9	22.9	53.4	31.5	2.3	39.4	66.7	39.5	2.9	75.0
	24	17	1,967	24.5	19.7	1.1	7.8	32.2	24.8	1.4	15.2	43.1	31.8	1.9	33.2
	26	18		29.8	22.9	1.3	11.3	38.3	28.5	1.7	21.0	50.0	36.2	2.2	43.8
	27	19		34.9	24.4	1.5	15.3	44.3	30.3	1.9	27.7	57.1	38.4	2.5	56.0
	29	21		46.2	27.4	2.0	26.1	57.4	33.8	2.5	45.2	72.1	42.7	3.1	86.9

Inlet Water Temp. 6.5°C - 393 Fins Per Meter Cooling Coil

MODEL	ON COIL TEMP. (°C)		AFR (L/s)	3 ROWS				4 ROWS				6 ROWS			
	DB	WB		T. CAP (kW)	S. CAP (kW)	WFR (L/s)	WPD (kPa)	T. CAP (kW)	S. CAP (kW)	WFR (L/s)	WPD (kPa)	T. CAP (kW)	S. CAP (kW)	WFR (L/s)	WPD (kPa)
CM 48	24	17	2,107	31.1	23.6	1.4	13.6	39.1	29.0	1.7	24.5	50.4	36.1	2.2	50.7
	26	18		37.1	27.2	1.6	19.0	45.9	33.2	2.0	33.2	58.0	41.0	2.5	65.9
	27	19		43.0	28.9	1.9	25.1	52.6	35.2	2.3	43.0	65.7	43.4	2.9	83.1
	29	21		55.9	32.4	2.4	41.4	67.3	39.2	2.9	68.2	82.2	48.2	3.6	126.1
	24	17	2,341	33.3	25.4	1.4	15.5	42.1	31.3	1.8	28.3	54.5	39.4	2.4	58.7
	26	18		39.8	29.3	1.7	21.7	49.6	35.9	2.2	38.4	62.8	44.7	2.7	76.5
	27	19		46.3	31.2	2.0	28.9	56.9	38.1	2.5	49.8	71.4	47.4	3.1	96.9
	29	21		60.2	34.9	2.6	47.7	73.0	42.5	3.2	79.6	89.5	52.6	3.9	147.7
	24	17	2,575	35.5	27.2	1.5	17.4	45.2	33.6	2.0	32.2	58.7	42.6	2.6	67.3
	26	18		42.5	31.3	1.8	24.6	53.2	38.5	2.3	43.8	67.8	48.4	2.9	88.0
	27	19		49.5	33.3	2.2	32.8	61.2	40.9	2.7	57.1	77.0	51.2	3.4	111.7
	29	21		64.5	37.3	2.8	54.4	78.5	45.7	3.4	91.3	96.8	56.9	4.2	170.9
CM 60	24	17	2,548	35.8	27.8	1.6	8.4	45.6	34.4	2.0	15.6	59.8	43.2	2.6	33.1
	26	18		42.9	32.2	1.9	11.9	53.8	39.4	2.3	21.3	69.0	49.1	3.0	43.2
	27	19		50.0	34.2	2.2	16.0	62.0	41.9	2.7	27.9	78.4	52.0	3.4	54.9
	29	21		65.4	38.3	2.8	26.7	79.6	46.7	3.5	44.6	98.3	57.8	4.3	83.7
	24	17	2,831	38.2	30.0	1.7	9.6	49.2	37.2	2.1	18.0	64.6	47.1	2.8	38.3
	26	18		46.0	34.6	2.0	13.6	58.1	42.7	2.5	24.7	74.8	53.6	3.3	50.2
	27	19		53.6	37.2	2.3	18.2	67.0	45.3	2.9	32.3	85.0	56.7	3.7	63.8
	29	21		70.5	41.3	3.1	30.7	86.3	50.6	3.8	52.0	107.0	63.0	4.7	97.9
	24	17	3,114	40.7	32.0	1.8	10.8	52.7	39.9	2.3	20.5	69.5	50.9	3.0	43.9
	26	18		49.0	37.0	2.1	15.4	62.3	45.8	2.7	28.1	80.5	57.9	3.5	57.7
	27	19		57.3	39.4	2.5	20.7	72.0	48.7	3.1	36.9	91.7	61.3	4.0	73.5
	29	21		75.4	44.2	3.3	35.0	92.8	54.4	4.0	59.7	115.6	68.2	5.0	113.2
CM 75	24	17	3,185	47.8	36.0	2.1	16.0	59.8	44.1	2.6	28.7	76.6	54.9	3.3	58.8
	26	18		56.9	41.5	2.5	22.3	70.0	50.4	3.0	38.6	88.1	62.2	3.8	76.2
	27	19		65.9	44.1	2.9	29.4	80.3	53.5	3.5	49.9	99.9	65.9	4.3	96.1
	29	21		85.5	49.3	3.7	48.2	102.5	59.7	4.5	79.1	124.9	73.1	5.4	145.5
	24	17	3,539	51.2	38.8	2.2	18.2	64.5	47.7	2.8	33.1	83.0	59.9	3.6	68.2
	26	18		61.1	44.7	2.7	25.5	75.7	54.6	3.3	44.7	95.6	67.9	4.2	88.5
	27	19		70.9	47.5	3.1	33.8	86.9	57.9	3.8	58.0	108.5	71.9	4.7	112.0
	29	21		92.1	53.2	4.0	55.6	111.2	64.6	4.8	92.1	136.0	79.8	5.9	170.4
	24	17	3,893	54.6	41.5	2.4	20.6	69.1	51.2	3.0	37.7	89.2	64.6	3.9	77.9
	26	18		65.3	47.8	2.8	28.9	81.3	58.6	3.5	51.1	103.2	73.5	4.5	102.0
	27	19		75.8	50.8	3.3	38.4	93.4	62.2	4.1	66.4	117.1	77.7	5.1	129.1
	29	21		98.7	56.9	4.3	63.3	119.7	69.5	5.2	105.9	147.1	86.3	6.4	197.1
CM 96	24	17	4,247	63.7	48.0	2.8	16.0	79.7	58.8	3.5	28.7	102.1	73.2	4.4	58.7
	26	18		75.9	55.3	3.3	22.3	93.4	67.2	4.1	38.6	117.5	83.0	5.1	76.2
	27	19		87.9	58.7	3.8	29.4	107.1	71.3	4.7	50.0	133.2	87.8	5.8	96.1
	29	21		114.0	65.8	5.0	48.2	136.7	79.6	5.9	79.1	166.6	97.4	7.2	145.5
	24	17	4,719	68.3	51.7	3.0	18.2	86.0	63.6	3.7	33.1	110.7	79.8	4.8	68.1
	26	18		81.5	59.6	3.5	25.5	101.0	72.8	4.4	44.7	127.5	90.5	5.5	88.5
	27	19		94.5	63.3	4.1	33.8	115.9	77.2	5.0	58.0	144.7	95.9	6.3	112.0
	29	21		122.8	70.9	5.3	55.6	148.2	86.2	6.4	92.1	181.3	106.4	7.9	170.4
	24	17	5,191	72.8	55.3	3.2	20.6	92.2	68.3	4.0	37.7	119.0	86.1	5.2	77.9
	26	18		87.0	63.7	3.8	28.9	108.4	78.2	4.7	51.1	137.6	98.0	6.0	102.0
	27	19		101.1	67.7	4.4	38.4	124.6	83.0	5.4	66.4	156.2	103.6	6.8	129.1
	29	21		131.5	75.8	5.7	63.3	159.6	92.6	6.9	105.9	196.1	115.1	8.5	197.1

Legend

AFR : Air Flow Rate
EDB : Entering Dry Bulb Temperature
EWB : Entering Wet Bulb Temperature
T.CAP : Total Cooling Capacity
S.CAP : Sensible Cooling Capacity
PI : Power input

Note

Power input in this page should not be used for cable or breaker selection. MCA and MOP values in the electrical data page (40) should be referred for the same

Performance Data - SI

Inlet Water Temp. 7°C - 393 Fins Per Meter Cooling Coil

MODEL	ON COIL TEMP. (°C)		AFR (L/s)	3 ROWS				4 ROWS				6 ROWS			
	DB	WB		T. CAP (kW)	S. CAP (kW)	WFR (L/s)	WPD (kPa)	T. CAP (kW)	S. CAP (kW)	WFR (L/s)	WPD (kPa)	T. CAP (kW)	S. CAP (kW)	WFR (L/s)	WPD (kPa)
CM 15	24	17	662	8.1	6.7	0.4	5.0	10.6	8.4	0.5	10.0	14.3	10.7	0.6	22.8
	26	18		9.9	7.9	0.4	7.4	12.7	9.7	0.6	14.1	16.7	12.2	0.7	30.5
	27	19		11.7	8.4	0.5	10.2	14.8	10.3	0.6	18.8	19.1	12.9	0.8	39.0
	29	21		15.6	9.4	0.7	17.6	19.3	11.6	0.8	30.9	24.3	14.5	1.1	60.9
	24	17	736	8.6	7.3	0.4	5.7	11.4	9.1	0.5	11.5	15.4	11.6	0.7	26.3
	26	18		10.6	8.5	0.5	8.4	13.7	10.5	0.6	16.2	18.0	13.3	0.8	35.1
	27	19		12.5	9.0	0.5	11.6	16.0	11.2	0.7	21.6	20.7	14.1	0.9	45.2
	29	21		16.8	10.2	0.7	20.2	20.9	12.5	0.9	35.8	26.3	15.8	1.1	70.9
	24	17	810	9.1	7.8	0.4	6.4	12.2	9.7	0.5	13.0	16.5	12.6	0.7	30.0
	26	18		11.3	9.0	0.5	9.4	14.7	11.3	0.6	18.4	19.4	14.4	0.8	40.4
	27	19		13.4	9.7	0.6	13.1	17.1	12.0	0.7	24.7	22.2	15.2	1.0	51.8
	29	21		17.9	10.9	0.8	22.9	22.5	13.5	1.0	41.1	28.5	17.0	1.2	82.0
CM 20	24	17	849	11.4	9.1	0.5	10.6	14.5	11.2	0.6	19.9	19.0	14.0	0.8	43.1
	26	18		13.8	10.5	0.6	15.2	17.3	12.9	0.8	27.5	22.1	16.0	1.0	56.9
	27	19		16.2	11.2	0.7	20.5	20.0	13.7	0.9	36.1	25.2	16.9	1.1	72.7
	29	21		21.3	12.6	0.9	34.4	25.8	15.3	1.1	58.5	31.8	18.8	1.4	111.8
	24	17	944	12.2	9.8	0.5	12.1	15.7	12.1	0.7	22.9	20.6	15.3	0.9	49.9
	26	18		14.8	11.3	0.6	17.3	18.6	13.9	0.8	31.8	23.9	17.4	1.0	65.9
	27	19		17.4	12.1	0.8	23.4	21.6	14.8	0.9	41.8	27.3	18.5	1.2	84.5
	29	21		22.9	13.6	1.0	39.6	28.0	16.6	1.2	68.0	34.6	20.6	1.5	130.9
	24	17	1,039	13.0	10.4	0.6	13.5	16.8	13.0	0.7	26.1	22.1	16.5	1.0	57.1
	26	18		15.8	12.1	0.7	19.6	20.0	15.0	0.9	36.3	25.8	18.8	1.1	75.8
	27	19		18.6	12.9	0.8	26.6	23.2	15.9	1.0	47.9	29.5	20.0	1.3	97.3
	29	21		24.6	14.5	1.1	45.2	30.1	17.8	1.3	78.2	37.5	22.3	1.6	151.3
CM 24	24	17	1,009	12.6	10.4	0.5	5.6	16.4	12.9	0.7	10.9	21.9	16.3	1.0	24.3
	26	18		15.4	12.1	0.7	8.2	19.6	14.9	0.9	15.3	25.6	18.7	1.1	32.3
	27	19		18.1	12.9	0.8	11.2	22.8	15.9	1.0	20.3	29.3	19.8	1.3	41.5
	29	21		24.1	14.5	1.0	19.4	29.7	17.8	1.3	33.5	37.1	22.1	1.6	64.5
	24	17	1,121	13.4	11.2	0.6	6.3	17.6	13.9	0.8	12.5	23.7	17.8	1.0	28.0
	26	18		16.4	13.0	0.7	9.3	21.1	16.1	0.9	17.6	27.6	20.4	1.2	37.3
	27	19		19.4	13.9	0.8	12.8	24.6	17.2	1.1	23.4	31.7	21.6	1.4	48.1
	29	21		25.9	15.6	1.1	22.2	32.2	19.2	1.4	38.9	40.4	24.1	1.8	75.4
	24	17	1,233	14.2	11.9	0.6	7.1	18.9	15.0	0.8	14.2	25.5	19.2	1.1	32.0
	26	18		17.5	13.9	0.8	10.5	22.6	17.3	1.0	20.0	29.8	22.0	1.3	42.8
	27	19		20.7	14.8	0.9	14.5	26.4	18.4	1.1	26.7	34.2	23.3	1.5	55.3
	29	21		27.7	16.7	1.2	25.3	34.5	20.7	1.5	44.5	43.6	26.1	1.9	87.1
CM 30	24	17	1,300	14.5	12.7	0.6	2.6	19.6	16.0	0.9	5.4	27.1	20.6	1.2	12.7
	26	18		18.0	14.9	0.8	4.0	23.7	18.6	1.0	7.8	31.9	23.6	1.4	17.1
	27	19		21.4	15.9	0.9	5.6	27.8	19.8	1.2	10.5	36.6	25.0	1.6	22.1
	29	21		29.0	17.9	1.3	9.9	36.5	22.2	1.6	17.6	46.6	27.9	2.0	34.8
	24	17	1,444	15.4	13.7	0.7	3.0	21.0	17.3	0.9	6.2	29.2	22.4	1.3	14.5
	26	18		19.2	16.0	0.8	4.5	25.5	20.1	1.1	8.9	34.3	25.7	1.5	19.7
	27	19		22.9	17.1	1.0	6.3	29.9	21.4	1.3	12.1	39.5	27.3	1.7	25.6
	29	21		31.1	19.3	1.4	11.3	39.4	24.0	1.7	20.4	50.6	30.5	2.2	40.6
	24	17	1,588	16.3	14.6	0.7	3.3	22.4	18.5	1.0	7.0	31.4	24.2	1.4	16.6
	26	18		20.4	17.1	0.9	5.0	27.2	21.5	1.2	10.1	36.9	27.7	1.6	22.5
	27	19		24.4	18.2	1.1	7.1	32.0	22.9	1.4	13.8	42.5	29.4	1.9	29.4
	29	21		33.2	20.6	1.4	12.8	42.3	25.8	1.8	23.3	54.6	32.9	2.4	46.8
CM 38	24	17	1,610	19.9	16.5	0.9	5.2	26.1	20.6	1.1	10.1	34.9	26.1	1.5	22.4
	26	18		24.4	19.2	1.1	7.7	31.2	23.7	1.4	14.2	40.8	29.8	1.8	29.9
	27	19		28.8	20.5	1.3	10.5	36.3	25.3	1.6	18.9	46.6	31.6	2.0	38.3
	29	21		38.3	23.1	1.7	18.2	47.3	28.3	2.1	31.2	59.2	35.2	2.6	59.8
	24	17	1,788	21.2	17.8	0.9	5.9	28.0	22.2	1.2	11.6	37.7	28.4	1.6	25.8
	26	18		26.1	20.7	1.1	8.7	33.6	25.7	1.5	16.4	44.1	32.5	1.9	34.5
	27	19		30.9	22.1	1.3	12.0	39.2	27.3	1.7	21.9	50.5	34.5	2.2	44.5
	29	21		41.2	24.9	1.8	20.9	51.1	30.6	2.2	36.3	64.3	38.4	2.8	69.8
	24	17	1,967	22.6	19.0	1.0	6.6	30.0	23.8	1.3	13.2	40.5	30.6	1.8	29.5
	26	18		27.8	22.1	1.2	9.8	36.0	27.5	1.6	18.6	47.5	35.1	2.1	39.6
	27	19		32.9	23.6	1.4	13.6	42.0	29.3	1.8	24.9	54.5	37.2	2.4	51.2
	29	21		44.0	26.6	1.9	23.7	54.9	32.9	2.4	41.5	69.5	41.5	3.0	80.7

Inlet Water Temp. 7°C - 393 Fins Per Meter Cooling Coil

MODEL	ON COIL TEMP. (°C)		AFR (L/s)	3 ROWS				4 ROWS				6 ROWS			
	DB	WB		T. CAP (kW)	S. CAP (kW)	WFR (L/s)	WPD (kPa)	T. CAP (kW)	S. CAP (kW)	WFR (L/s)	WPD (kPa)	T. CAP (kW)	S. CAP (kW)	WFR (L/s)	WPD (kPa)
CM 48	24	17	2,107	28.9	22.7	1.3	11.8	36.5	27.9	1.6	21.6	47.5	34.9	2.1	45.4
	26	18		34.8	26.3	1.5	16.8	43.3	32.1	1.9	29.7	55.2	39.8	2.4	59.9
	27	19		40.7	28.0	1.8	22.6	50.1	34.1	2.2	39.0	62.9	42.2	2.7	76.4
	29	21		53.5	31.5	2.3	38.0	64.6	38.2	2.8	63.1	79.4	46.9	3.5	117.7
	24	17	2,341	30.9	24.5	1.3	13.4	39.4	30.2	1.7	24.9	51.4	38.0	2.2	52.5
	26	18		37.3	28.3	1.6	19.2	46.8	34.7	2.0	34.3	59.7	43.4	2.6	69.4
	27	19		43.8	30.2	1.9	25.9	54.2	36.9	2.4	45.3	68.3	46.0	3.0	88.9
	29	21		57.6	33.9	2.5	43.8	70.1	41.4	3.0	73.6	86.4	51.2	3.8	137.7
	24	17	2,575	32.9	26.2	1.4	15.1	42.2	32.4	1.8	28.3	55.3	41.1	2.4	60.1
	26	18		39.9	30.3	1.7	21.7	50.2	37.3	2.2	39.2	64.4	46.9	2.8	79.8
	27	19		46.7	32.3	2.0	29.4	58.2	39.7	2.5	51.7	73.6	49.7	3.2	102.4
	29	21		61.7	36.3	2.7	49.8	75.4	44.4	3.3	84.5	93.4	55.4	4.1	159.3
CM 60	24	17	2,548	33.1	26.8	1.4	7.3	42.6	33.1	1.9	13.7	56.3	41.7	2.5	29.6
	26	18		40.2	31.1	1.7	10.5	50.7	38.2	2.2	19.0	65.6	47.6	2.9	39.2
	27	19		47.3	33.1	2.1	14.3	58.9	40.6	2.6	25.2	74.9	50.5	3.3	50.2
	29	21		62.6	37.3	2.7	24.4	76.4	45.5	3.3	41.2	94.8	56.3	4.1	78.0
	24	17	2,831	35.3	28.8	1.5	8.2	45.9	35.8	2.0	15.8	60.8	45.4	2.6	34.1
	26	18		43.0	33.5	1.9	12.0	54.8	41.3	2.4	22.0	71.0	51.9	3.1	45.5
	27	19		50.7	35.7	2.2	16.3	63.6	44.0	2.8	29.2	81.2	55.0	3.5	58.4
	29	21		67.3	40.2	2.9	28.1	82.7	49.3	3.6	48.0	103.1	61.3	4.5	91.1
	24	17	3,114	37.6	30.8	1.6	9.2	49.1	38.4	2.1	17.9	65.4	49.1	2.8	39.1
	26	18		45.9	35.8	2.0	13.5	58.7	44.3	2.6	25.1	76.4	56.1	3.3	52.2
	27	19		54.1	38.2	2.4	18.5	68.3	47.2	3.0	33.3	87.6	59.5	3.8	67.3
	29	21		72.0	42.9	3.1	31.9	89.0	52.9	3.9	55.0	111.4	66.4	4.8	105.4
CM 75	24	17	3,185	44.5	34.7	1.9	13.9	55.9	42.5	2.4	25.3	72.3	53.0	3.1	52.7
	26	18		53.5	40.1	2.3	19.8	66.2	48.8	2.9	34.6	84.0	60.3	3.7	69.4
	27	19		62.5	42.7	2.7	26.5	76.5	51.9	3.3	45.5	95.6	63.9	4.2	88.3
	29	21		81.9	47.9	3.6	44.3	98.6	58.1	4.3	73.2	120.6	71.2	5.2	135.9
	24	17	3,539	47.6	37.3	2.1	15.8	60.4	46.0	2.6	29.1	78.3	57.8	3.4	61.0
	26	18		57.4	43.2	2.5	22.5	71.5	52.9	3.1	40.0	90.9	65.8	4.0	80.5
	27	19		67.1	46.0	2.9	30.4	82.7	56.2	3.6	52.6	103.8	69.8	4.5	102.8
	29	21		88.2	51.7	3.8	51.0	106.8	62.9	4.6	85.2	131.2	77.7	5.7	159.0
	24	17	3,893	50.7	39.9	2.2	17.8	64.7	49.4	2.8	33.2	84.2	62.4	3.7	69.8
	26	18		61.2	46.2	2.7	25.5	76.8	56.8	3.3	45.8	97.9	71.2	4.3	92.4
	27	19		71.8	49.2	3.1	34.5	88.9	60.4	3.9	60.3	112.0	75.5	4.9	118.4
	29	21		94.5	55.3	4.1	58.2	115.0	67.5	5.0	97.9	141.9	84.1	6.2	183.9
CM 96	24	17	4,247	59.3	46.2	2.6	13.9	74.6	56.6	3.2	25.3	96.5	70.6	4.2	52.7
	26	18		71.3	53.5	3.1	19.8	88.2	65.1	3.8	34.6	112.0	80.5	4.9	69.5
	27	19		83.3	57.0	3.6	26.5	102.0	69.2	4.4	45.5	127.5	85.3	5.5	88.4
	29	21		109.2	63.9	4.7	44.3	131.4	77.4	5.7	73.2	160.8	95.0	7.0	136.0
	24	17	4,719	63.4	49.8	2.8	15.8	80.5	61.3	3.5	29.2	104.3	77.0	4.5	61.0
	26	18		76.5	57.6	3.3	22.6	95.3	70.5	4.1	40.0	121.2	87.8	5.3	80.4
	27	19		89.5	61.4	3.9	30.4	110.3	74.9	4.8	52.6	138.4	93.1	6.0	102.8
	29	21		117.6	68.9	5.1	51.0	142.4	83.8	6.2	85.2	174.9	103.6	7.6	159.0
	24	17	5,191	67.6	53.2	2.9	17.8	86.3	65.8	3.8	33.2	112.3	83.1	4.9	69.8
	26	18		81.6	61.6	3.6	25.5	102.4	75.7	4.5	45.8	130.6	94.9	5.7	92.4
	27	19		95.7	65.7	4.2	34.5	118.5	80.4	5.2	60.3	149.3	100.6	6.5	118.4
	29	21		126.0	73.7	5.5	58.2	153.3	90.0	6.7	97.9	189.2	112.1	8.2	183.9

Legend

AFR : Air Flow Rate
EDB : Entering Dry Bulb Temperature
EWB : Entering Wet Bulb Temperature
T.CAP : Total Cooling Capacity
S.CAP : Sensible Cooling Capacity
PI : Power input

Note

Power input in this page should not be used for cable or breaker selection. MCA and MOP values in the electrical data page (40) should be referred for the same

Performance Data - SI

Inlet Water Temp. 7.5°C - 393 Fins Per Meter Cooling Coil

MODEL	ON COIL TEMP. (°C)		AFR (L/s)	3 ROWS				4 ROWS				6 ROWS			
	DB	WB		T. CAP (kW)	S. CAP (kW)	WFR (L/s)	WPD (kPa)	T. CAP (kW)	S. CAP (kW)	WFR (L/s)	WPD (kPa)	T. CAP (kW)	S. CAP (kW)	WFR (L/s)	WPD (kPa)
CM 15	24	17	662	7.4	6.5	0.3	4.2	9.8	8.1	0.4	8.6	13.4	10.3	0.6	20.2
	26	18		9.2	7.6	0.4	6.4	11.9	9.4	0.5	12.4	15.7	11.8	0.7	27.1
	27	19		11.0	8.1	0.5	9.0	14.0	10.0	0.6	16.8	18.2	12.6	0.8	35.6
	29	21		14.9	9.2	0.6	16.0	18.5	11.3	0.8	28.4	23.4	14.1	1.0	56.6
	24	17	736	7.8	7.0	0.3	4.8	10.5	8.7	0.5	9.9	14.4	11.2	0.6	23.2
	26	18		9.8	8.2	0.4	7.3	12.8	10.2	0.6	14.2	17.0	12.9	0.7	31.5
	27	19		11.8	8.7	0.5	10.2	15.1	10.8	0.7	19.4	19.7	13.7	0.9	41.2
	29	21		15.9	9.9	0.7	18.2	20.0	12.2	0.9	32.8	25.3	15.3	1.1	65.7
	24	17	810	8.3	7.4	0.4	5.3	11.3	9.4	0.5	11.2	15.5	12.1	0.7	26.4
	26	18		10.4	8.7	0.5	8.2	13.7	10.9	0.6	16.2	18.4	13.9	0.8	36.2
	27	19		12.5	9.3	0.5	11.5	16.2	11.6	0.7	22.0	21.2	14.8	0.9	47.3
	29	21		17.1	10.6	0.7	20.7	21.5	13.1	0.9	37.6	27.4	16.6	1.2	75.9
CM 20	24	17	849	10.5	8.7	0.5	9.0	13.5	10.7	0.6	17.3	17.9	13.5	0.8	38.4
	26	18		12.9	10.1	0.6	13.3	16.2	12.4	0.7	24.4	20.9	15.5	0.9	51.4
	27	19		15.2	10.8	0.7	18.2	18.9	13.2	0.8	32.6	24.1	16.4	1.0	66.5
	29	21		20.3	12.2	0.9	31.5	24.8	14.9	1.1	53.9	30.7	18.3	1.3	104.2
	24	17	944	11.2	9.4	0.5	10.3	14.5	11.6	0.6	19.9	19.3	14.7	0.8	44.3
	26	18		13.8	10.9	0.6	15.2	17.5	13.5	0.8	28.1	22.7	16.9	1.0	59.6
	27	19		16.4	11.7	0.7	20.9	20.4	14.3	0.9	37.7	26.1	17.9	1.1	77.1
	29	21		21.9	13.2	1.0	36.2	26.8	16.1	1.2	62.7	33.4	20.0	1.5	121.7
	24	17	1,039	11.9	10.0	0.5	11.5	15.6	12.5	0.7	22.6	20.8	15.9	0.9	50.6
	26	18		14.7	11.7	0.6	17.1	18.8	14.5	0.8	32.1	24.4	18.2	1.1	68.3
	27	19		17.5	12.5	0.8	23.6	22.0	15.4	1.0	43.1	28.1	19.4	1.2	88.7
	29	21		23.4	14.1	1.0	41.2	28.9	17.3	1.3	72.0	36.1	21.7	1.6	140.6
CM 24	24	17	1,009	11.5	10.0	0.5	4.7	15.1	12.4	0.7	9.4	20.6	15.8	0.9	21.5
	26	18		14.3	11.7	0.6	7.1	18.4	14.4	0.8	13.5	24.2	18.1	1.1	29.1
	27	19		17.0	12.5	0.7	10.0	21.5	15.3	0.9	18.2	27.9	19.2	1.2	37.8
	29	21		22.9	14.1	1.0	17.6	28.4	17.3	1.2	30.7	35.7	21.5	1.6	60.0
	24	17	1,121	12.2	10.7	0.5	5.3	16.3	13.4	0.7	10.8	22.2	17.1	1.0	24.7
	26	18		15.3	12.6	0.7	8.1	19.8	15.6	0.9	15.5	26.1	19.7	1.1	33.5
	27	19		18.2	13.4	0.8	11.3	23.2	16.6	1.0	21.0	30.2	20.9	1.3	43.8
	29	21		24.7	15.1	1.1	20.2	30.7	18.7	1.3	35.6	38.8	23.4	1.7	69.9
	24	17	1,233	13.0	11.5	0.6	6.0	17.4	14.4	0.8	12.2	23.8	18.5	1.0	28.2
	26	18		16.2	13.4	0.7	9.1	21.2	16.7	0.9	17.6	28.2	21.3	1.2	38.5
	27	19		19.4	14.3	0.8	12.8	24.9	17.8	1.1	24.0	32.6	22.7	1.4	50.4
	29	21		26.4	16.2	1.1	22.9	33.0	20.1	1.4	40.8	41.9	25.4	1.8	80.7
CM 30	24	17	1,300	13.1	12.2	0.6	2.2	18.0	15.4	0.8	4.6	25.3	19.8	1.1	11.1
	26	18		16.6	14.4	0.7	3.4	22.1	17.9	1.0	6.8	30.0	22.8	1.3	15.3
	27	19		20.0	15.3	0.9	4.9	26.1	19.1	1.1	9.3	34.7	24.3	1.5	20.0
	29	21		27.5	17.4	1.2	8.9	34.8	21.6	1.5	16.1	44.8	27.2	1.9	32.2
	24	17	1,444	14.0	13.1	0.6	2.4	19.3	16.6	0.8	5.3	27.3	21.6	1.2	12.8
	26	18		17.7	15.4	0.8	3.8	23.7	19.4	1.0	7.8	32.4	24.8	1.4	17.6
	27	19		21.4	16.5	0.9	5.5	28.1	20.7	1.2	10.7	37.5	26.4	1.6	23.1
	29	21		29.5	18.7	1.3	10.2	37.6	23.3	1.6	18.6	48.6	29.6	2.1	37.6
	24	17	1,588	14.8	14.0	0.6	2.7	20.6	17.8	0.9	5.9	29.2	23.3	1.3	14.5
	26	18		18.8	16.5	0.8	4.3	25.4	20.8	1.1	8.8	34.8	26.8	1.5	20.1
	27	19		22.7	17.6	1.0	6.2	30.1	22.2	1.3	12.2	40.4	28.5	1.8	26.6
	29	21		31.4	20.0	1.4	11.6	40.3	25.0	1.8	21.3	52.4	32.0	2.3	43.2
CM 38	24	17	1,610	18.2	15.9	0.8	4.4	24.1	19.8	1.0	8.7	32.8	25.1	1.4	19.8
	26	18		22.7	18.6	1.0	6.7	29.2	22.9	1.3	12.5	38.6	28.8	1.7	26.9
	27	19		27.0	19.8	1.2	9.3	34.3	24.5	1.5	17.0	44.4	30.6	1.9	35.0
	29	21		36.5	22.4	1.6	16.5	45.2	27.5	2.0	28.6	56.9	34.3	2.5	55.5
	24	17	1,788	19.4	17.1	0.8	5.0	25.9	21.3	1.1	10.0	35.3	27.3	1.5	22.8
	26	18		24.2	20.0	1.1	7.5	31.4	24.8	1.4	14.4	41.7	31.4	1.8	31.0
	27	19		28.9	21.4	1.3	10.6	37.0	26.5	1.6	19.6	48.1	33.4	2.1	40.5
	29	21		39.2	24.1	1.7	19.0	48.9	29.8	2.1	33.2	61.8	37.3	2.7	64.7
	24	17	1,967	20.6	18.2	0.9	5.5	27.6	22.9	1.2	11.3	37.9	29.5	1.6	26.0
	26	18		25.7	21.3	1.1	8.5	33.7	26.6	1.5	16.4	44.8	34.0	2.0	35.5
	27	19		30.8	22.8	1.3	12.0	39.6	28.4	1.7	22.3	51.8	36.1	2.3	46.5
	29	21		41.9	25.8	1.8	21.5	52.6	32.0	2.3	38.1	66.7	40.4	2.9	74.7

Inlet Water Temp. 7.5°C - 393 Fins Per Meter Cooling Coil

MODEL	ON COIL TEMP. (°C)		AFR (L/s)	3 ROWS				4 ROWS				6 ROWS			
	DB	WB		T. CAP (kW)	S. CAP (kW)	WFR (L/s)	WPD (kPa)	T. CAP (kW)	S. CAP (kW)	WFR (L/s)	WPD (kPa)	T. CAP (kW)	S. CAP (kW)	WFR (L/s)	WPD (kPa)
CM 48	24	17	2,107	26.6	21.8	1.2	10.1	34.0	26.9	1.5	18.8	44.7	33.6	1.9	40.4
	26	18		32.6	25.4	1.4	14.8	40.7	31.0	1.8	26.4	52.4	38.5	2.3	54.2
	27	19		38.4	27.1	1.7	20.2	47.5	33.1	2.1	35.3	60.0	40.9	2.6	69.9
	29	21		51.1	30.5	2.2	34.7	62.0	37.1	2.7	58.2	76.5	45.7	3.3	109.5
	24	17	2,341	28.5	23.5	1.2	11.5	36.6	29.1	1.6	21.6	48.2	36.6	2.1	46.6
	26	18		34.9	27.4	1.5	16.8	44.0	33.6	1.9	30.5	56.6	42.0	2.5	62.7
	27	19		41.3	29.2	1.8	23.1	51.3	35.8	2.2	40.8	65.1	44.6	2.8	81.1
	29	21		55.0	32.9	2.4	40.0	67.2	40.2	2.9	67.7	83.2	49.8	3.6	128.1
	24	17	2,575	30.3	25.1	1.3	12.8	39.2	31.2	1.7	24.6	51.9	39.6	2.3	53.3
	26	18		37.2	29.3	1.6	19.0	47.2	36.1	2.1	34.8	61.0	45.4	2.7	71.9
	27	19		44.0	31.2	1.9	26.1	55.1	38.4	2.4	46.6	70.2	48.3	3.1	93.4
	29	21		58.9	35.2	2.6	45.5	72.2	43.2	3.1	77.7	89.8	53.9	3.9	147.8
CM 60	24	17	2,548	30.4	25.7	1.3	6.2	39.5	31.9	1.7	11.9	52.9	40.2	2.3	26.2
	26	18		37.5	30.0	1.6	9.2	47.6	36.9	2.1	16.9	62.2	46.1	2.7	35.5
	27	19		44.5	32.1	1.9	12.7	55.8	39.3	2.4	22.7	71.4	49.0	3.1	45.9
	29	21		59.7	36.2	2.6	22.2	73.2	44.2	3.2	37.9	91.3	54.7	4.0	72.5
	24	17	2,831	32.4	27.7	1.4	7.0	42.5	34.4	1.8	13.6	57.1	43.8	2.5	30.2
	26	18		40.1	32.3	1.7	10.4	51.4	39.9	2.2	19.4	67.2	50.3	2.9	40.9
	27	19		47.7	34.5	2.1	14.5	60.2	42.6	2.6	26.2	77.4	53.4	3.4	53.3
	29	21		64.2	39.0	2.8	25.5	79.3	47.9	3.4	44.1	99.2	59.7	4.3	84.7
	24	17	3,114	34.4	29.6	1.5	7.8	45.4	37.0	2.0	15.4	61.3	47.3	2.7	34.6
	26	18		42.7	34.5	1.9	11.7	55.0	42.8	2.4	22.1	72.3	54.3	3.1	46.9
	27	19		50.8	36.9	2.2	16.4	64.6	45.7	2.8	29.9	83.4	57.7	3.6	61.2
	29	21		68.6	41.7	3.0	29.0	85.1	51.4	3.7	50.5	107.1	64.6	4.7	97.6
CM 75	24	17	3,185	41.0	33.3	1.8	11.9	52.1	40.9	2.3	22.1	68.1	51.1	3.0	47.0
	26	18		50.1	38.7	2.2	17.4	62.3	47.2	2.7	30.9	79.6	58.4	3.5	62.7
	27	19		58.9	41.3	2.6	23.7	72.5	50.3	3.2	41.0	91.3	62.0	4.0	80.8
	29	21		78.2	46.6	3.4	40.5	94.5	56.4	4.1	67.5	116.2	69.3	5.1	126.4
	24	17	3,539	43.9	35.9	1.9	13.6	56.2	44.2	2.4	25.4	73.5	55.7	3.2	54.2
	26	18		53.7	41.8	2.3	19.8	67.3	51.1	2.9	35.6	86.2	63.8	3.8	72.8
	27	19		63.3	44.6	2.8	27.1	78.4	54.4	3.4	47.5	99.0	67.7	4.3	94.0
	29	21		84.3	50.2	3.7	46.7	102.5	61.1	4.5	78.6	126.3	75.6	5.5	147.8
	24	17	3,893	46.7	38.4	2.0	15.3	60.1	47.5	2.6	28.9	79.1	60.2	3.4	62.0
	26	18		57.2	44.6	2.5	22.4	72.2	54.9	3.1	40.7	92.8	68.9	4.0	83.4
	27	19		67.6	47.7	2.9	30.7	84.2	58.5	3.7	54.3	106.8	73.2	4.6	108.1
	29	21		90.2	53.7	3.9	53.1	110.2	65.7	4.8	90.1	136.6	81.8	5.9	170.9
CM 96	24	17	4,247	54.7	44.4	2.4	11.9	69.5	54.5	3.0	22.1	90.7	68.1	3.9	47.0
	26	18		66.8	51.7	2.9	17.4	83.1	63.0	3.6	30.9	106.1	77.9	4.6	62.8
	27	19		78.6	55.1	3.4	23.7	96.7	67.1	4.2	41.0	121.7	82.8	5.3	80.9
	29	21		104.3	62.1	4.5	40.5	126.0	75.3	5.5	67.5	154.9	92.3	6.7	126.5
	24	17	4,719	58.5	47.9	2.5	13.6	74.9	59.0	3.3	25.4	98.1	74.2	4.3	54.2
	26	18		71.6	55.7	3.1	19.8	89.7	68.2	3.9	35.6	115.0	85.0	5.0	72.8
	27	19		84.4	59.4	3.7	27.1	104.6	72.6	4.5	47.5	132.0	90.3	5.7	94.0
	29	21		112.4	66.9	4.9	46.7	136.7	81.5	5.9	78.6	168.5	100.8	7.3	147.9
	24	17	5,191	62.3	51.1	2.7	15.2	80.2	63.3	3.5	28.9	105.4	80.2	4.6	62.0
	26	18		76.3	59.5	3.3	22.4	96.3	73.2	4.2	40.7	123.7	91.9	5.4	83.4
	27	19		90.2	63.6	3.9	30.7	112.3	78.0	4.9	54.3	142.3	97.6	6.2	108.1
	29	21		120.2	71.6	5.2	53.1	147.0	87.6	6.4	90.2	182.1	109.1	7.9	170.9

Legend

AFR : Air Flow Rate
EDB : Entering Dry Bulb Temperature
EWB : Entering Wet Bulb Temperature
T.CAP : Total Cooling Capacity
S.CAP : Sensible Cooling Capacity
PI : Power input

Note

Power input in this page should not be used for cable or breaker selection. MCA and MOP values in the electrical data page (40) should be referred for the same

Performance Data - IMP

Inlet Water Temp. 42°F - 10 Fins Per inch Cooling Coil

MODEL	ON COIL TEMP. (°F)		AFR (CFM)	3 ROWS				4 ROWS				6 ROWS			
	DB	WB		T. CAP (MBH)	S. CAP (MBH)	WFR (GPM)	WPD (ft H2O)	T. CAP (MBH)	S. CAP (MBH)	WFR (GPM)	WPD (ft H2O)	T. CAP (MBH)	S. CAP (MBH)	WFR (GPM)	WPD (ft H2O)
CM 15	76	63	1,404	35.4	26.5	7.1	2.7	45.2	32.8	9.0	5.0	59.0	41.4	11.8	10.8
	78	65		42.2	28.5	8.4	3.7	53.1	35.2	10.6	6.8	68.1	44.3	13.6	14.0
	80	67		49.3	30.5	9.9	5.0	61.3	37.6	12.3	8.9	77.4	47.1	15.5	17.8
	85	70		61.2	35.7	12.3	7.6	74.7	43.7	14.9	13.0	92.5	54.3	18.5	24.8
	76	63	1,560	37.9	28.5	7.6	3.1	48.9	35.5	9.8	5.8	63.9	45.1	12.8	12.5
	78	65		45.3	30.7	9.1	4.3	57.4	38.1	11.5	7.9	73.8	48.2	14.8	16.3
	80	67		53.0	32.8	10.6	5.8	66.3	40.7	13.3	10.3	84.1	51.4	16.8	20.7
	85	70		65.9	38.5	13.2	8.7	81.0	47.4	16.2	15.1	100.7	59.2	20.1	29.0
	76	63	1,716	40.4	30.4	8.1	3.5	52.3	38.1	10.5	6.6	68.8	48.7	13.8	14.3
	78	65		48.2	32.7	9.6	4.8	61.5	40.9	12.3	9.0	79.5	52.1	15.9	18.7
	80	67		56.6	35.1	11.3	6.5	71.2	43.7	14.3	11.8	90.8	55.5	18.2	23.9
	85	70		70.5	41.2	14.1	9.9	87.0	50.8	17.4	17.3	109.0	64.2	21.8	33.6
CM 20	76	63	1,800	9.2	35.5	9.8	5.5	61.2	43.4	12.2	9.8	78.1	54.2	15.6	20.1
	78	65		58.0	38.1	11.6	7.4	71.5	46.6	14.3	13.1	89.6	57.8	17.9	25.9
	80	67		67.4	40.7	13.5	9.9	82.1	49.7	16.4	17.0	101.7	61.5	20.3	32.8
	85	70		82.9	47.5	16.6	14.6	99.5	57.6	19.9	24.3	120.9	70.7	24.2	45.2
	76	63	2,000	52.8	38.2	10.6	6.2	66.2	47.0	13.2	11.3	84.6	59.1	16.9	23.3
	78	65		62.3	41.0	12.5	8.5	77.3	50.4	15.5	15.1	97.3	63.0	19.5	30.2
	80	67		72.5	43.9	14.5	11.4	89.0	53.8	17.8	19.7	110.6	67.0	22.1	38.3
	85	70		89.4	51.2	17.9	16.9	108.0	62.4	21.6	28.4	131.9	77.2	26.4	53.1
	76	63	2,200	56.3	40.8	11.3	7.0	71.1	50.5	14.2	12.9	91.2	63.8	18.2	26.8
	78	65		66.6	43.8	13.3	9.7	83.0	54.1	16.6	17.3	105.0	68.2	21.0	34.8
	80	67		77.6	46.9	15.5	12.9	95.6	57.8	19.1	22.6	119.5	72.5	23.9	44.1
	85	70		95.7	54.8	19.2	19.2	116.1	67.0	23.2	32.5	142.7	83.5	28.5	61.4
CM 24	76	63	2,138	54.9	40.7	11.0	3.0	69.7	50.3	13.9	5.5	90.4	63.3	18.1	11.4
	78	65		65.2	43.7	13.0	4.1	81.6	54.0	16.3	7.4	104.2	67.7	20.9	14.9
	80	67		76.2	46.8	15.2	5.5	94.2	57.6	18.8	9.6	118.5	72.0	23.7	18.9
	85	70		94.4	54.9	18.9	8.3	114.8	67.0	23.0	14.0	141.6	83.0	28.3	26.3
	76	63	2,375	58.7	43.7	11.8	3.4	75.2	54.4	15.1	6.3	98.0	69.0	19.6	13.2
	78	65		70.0	47.1	14.0	4.7	88.2	58.4	17.7	8.5	113.0	73.7	22.6	17.3
	80	67		81.9	50.4	16.4	6.4	101.9	62.3	20.4	11.2	128.7	78.5	25.7	22.0
	85	70		101.6	59.1	20.3	9.6	124.4	72.5	24.9	16.3	154.0	90.5	30.8	30.8
	76	63	2,613	62.7	46.8	12.5	3.8	80.6	58.4	16.1	7.2	105.6	74.5	21.1	15.2
	78	65		74.7	50.3	14.9	5.3	94.7	62.7	18.9	9.7	122.0	79.7	24.4	19.9
	80	67		87.5	53.9	17.5	7.2	109.5	66.9	21.9	12.8	139.1	84.9	27.8	25.4
	85	70		108.7	63.2	21.7	10.9	133.8	77.9	26.8	18.7	166.5	97.8	33.3	35.6
CM 30	76	63	2,754	64.7	50.0	12.9	1.5	84.6	62.6	16.9	2.8	112.6	79.8	22.5	6.0
	78	65		77.6	53.8	15.5	2.1	99.7	67.2	19.9	3.8	130.2	85.3	26.0	7.9
	80	67		91.4	57.7	18.3	2.8	115.6	71.9	23.1	5.1	148.5	90.9	29.7	10.1
	85	70		114.5	67.9	22.9	4.3	141.8	83.9	28.4	7.5	178.3	105.1	35.7	14.3
	76	63	3,060	69.1	53.8	13.8	1.7	91.1	67.7	18.2	3.2	122.0	87.0	24.4	7.0
	78	65		83.1	57.9	16.6	2.4	107.5	72.7	21.5	4.4	141.2	93.1	28.2	9.2
	80	67		98.1	62.1	19.6	3.2	125.0	77.7	25.0	5.9	161.4	99.1	32.3	11.8
	85	70		123.0	73.2	24.6	5.0	153.6	90.8	30.7	8.7	193.7	114.5	38.7	16.7
	76	63	3,366	73.4	57.4	14.7	1.9	97.5	72.5	19.5	3.7	131.1	93.8	26.2	8.0
	78	65		88.5	61.8	17.7	2.7	115.3	78.0	23.1	5.0	152.0	100.4	30.4	10.6
	80	67		104.6	66.3	20.9	3.7	134.1	83.4	26.8	6.7	174.0	107.0	34.8	13.6
	85	70		131.5	78.1	26.3	5.7	165.1	97.4	33.0	10.0	209.2	123.7	41.8	19.3
CM 38	76	63	3,411	87.3	64.8	17.5	2.8	110.9	80.2	22.2	5.1	144.2	101.0	28.8	10.6
	78	65		103.7	69.7	20.7	3.9	130.1	86.0	26.0	6.9	166.0	107.8	33.2	13.7
	80	67		121.2	74.6	24.2	5.2	150.0	91.8	30.0	9.0	188.7	114.7	37.8	17.4
	85	70		150.2	87.4	30.1	7.8	182.7	106.8	36.5	13.1	225.7	132.3	45.1	24.4
	76	63	3,790	93.4	69.7	18.7	3.2	119.7	86.7	23.9	5.9	156.1	109.9	31.2	12.2
	78	65		111.3	75.0	22.3	4.4	140.5	93.1	28.1	8.0	180.1	117.5	36.0	16.0
	80	67		130.2	80.3	26.0	6.0	162.4	99.3	32.5	10.5	205.1	125.1	41.0	20.4
	85	70		161.7	94.1	32.3	9.0	198.1	115.6	39.6	15.3	245.5	144.3	49.1	28.5
	76	63	4,169	99.5	74.5	19.9	3.6	128.2	93.0	25.6	6.7	168.1	118.8	33.6	14.1
	78	65		118.7	80.1	23.7	5.0	150.7	99.8	30.2	9.1	194.3	127.1	38.9	18.4
	80	67		139.0	85.8	27.8	6.8	174.4	106.7	34.9	12.0	221.5	135.2	44.3	23.5
	85	70		173.0	100.6	34.6	10.3	213.1	124.2	42.6	17.5	265.4	156.0	53.1	33.0

Inlet Water Temp. 42°F - 10 Fins Per inch Cooling Coil

MODEL	ON COIL TEMP. (°F)		AFR (CFM)	3 ROWS				4 ROWS				6 ROWS			
	DB	WB		T. CAP (MBH)	S. CAP (MBH)	WFR (GPM)	WPD (ft H2O)	T. CAP (MBH)	S. CAP (MBH)	WFR (GPM)	WPD (ft H2O)	T. CAP (MBH)	S. CAP (MBH)	WFR (GPM)	WPD (ft H2O)
CM 48	76	63	4,464	124.0	88.8	24.8	6.0	153.6	108.5	30.7	10.6	194.7	134.8	38.9	21.1
	78	65		146.0	95.3	29.2	8.2	178.9	116.2	35.8	14.1	223.4	143.9	44.7	27.2
	80	67		169.3	102.0	33.9	10.9	205.5	124.0	41.1	18.3	253.4	152.9	50.7	34.4
	85	70		207.9	118.8	41.6	16.1	248.7	143.6	49.7	26.2	301.1	175.7	60.2	47.4
	76	63	4,960	133.2	95.6	26.6	6.9	166.1	117.5	33.2	12.2	211.2	147.0	42.2	24.5
	78	65		157.0	102.7	31.4	9.4	193.5	125.9	38.7	16.3	242.6	157.0	48.5	31.7
	80	67		182.3	109.8	36.5	12.5	222.7	134.3	44.5	21.3	275.6	166.9	55.1	40.2
	85	70		224.3	128.1	44.9	18.6	269.8	155.6	54.0	30.5	328.6	192.1	65.7	55.8
	76	63	5,456	142.1	102.2	28.4	7.8	178.3	126.1	35.7	14.0	227.8	159.0	45.6	28.2
	78	65		167.9	109.9	33.6	10.7	208.1	135.1	41.6	18.7	262.2	169.9	52.4	36.7
	80	67		195.0	117.4	39.0	14.2	239.5	144.2	47.9	24.4	298.0	180.6	59.6	46.5
	85	70		240.3	137.0	48.1	21.2	290.6	167.2	58.1	35.1	355.5	207.8	71.1	64.6
CM 60	76	63	5,400	143.6	104.8	28.7	3.8	180.3	129.0	36.1	6.8	231.8	161.4	46.4	13.9
	78	65		169.9	112.7	34.0	5.2	210.8	138.3	42.2	9.1	266.4	172.4	53.3	18.0
	80	67		197.9	120.6	39.6	7.0	242.8	147.7	48.6	11.9	302.6	183.4	60.5	22.8
	85	70		244.2	140.9	48.8	10.4	294.7	171.3	59.0	17.2	361.0	211.2	72.2	31.7
	76	63	6,000	153.9	112.9	30.8	4.3	194.7	139.6	38.9	7.9	251.0	175.9	50.2	16.1
	78	65		182.5	121.4	36.5	6.0	227.9	149.7	45.6	10.6	289.2	188.1	57.9	20.9
	80	67		212.8	129.9	42.6	8.0	262.9	159.8	52.6	13.9	329.2	200.1	65.9	26.7
	85	70		263.1	151.9	52.6	12.0	319.7	185.6	64.0	20.1	393.0	230.4	78.6	37.1
	76	63	6,600	164.0	120.6	32.8	4.9	208.9	149.8	41.8	9.0	270.6	190.2	54.1	18.5
	78	65		194.8	129.7	39.0	6.8	244.8	160.7	49.0	12.1	312.1	203.3	62.4	24.1
	80	67		227.5	138.8	45.5	9.1	282.4	171.5	56.5	15.9	355.5	216.3	71.1	30.8
	85	70		281.6	162.4	56.3	13.7	344.1	199.3	68.8	23.1	425.0	249.2	85.0	42.9
CM 75	76	63	6,750	190.3	135.3	38.1	7.1	234.8	165.2	47.0	12.3	296.3	204.8	59.3	24.5
	78	65		223.7	145.4	44.7	9.6	273.0	176.8	54.6	16.4	339.7	218.5	67.9	31.5
	80	67		259.2	155.3	51.8	12.7	313.2	188.6	62.6	21.2	385.2	232.3	77.0	39.8
	85	70		317.7	180.9	63.5	18.7	378.7	218.3	75.7	30.3	456.8	266.3	91.4	54.6
	76	63	7,500	204.4	145.9	40.9	8.1	253.9	178.8	50.8	14.3	321.1	223.2	64.2	28.4
	78	65		240.7	156.6	48.1	11.0	295.7	191.6	59.2	19.0	369.5	238.5	73.9	36.8
	80	67		279.1	167.3	55.8	14.6	339.5	204.3	67.9	24.7	419.0	253.4	83.8	46.5
	85	70		342.6	195.1	68.5	21.6	411.3	236.7	82.3	35.4	499.0	291.4	99.8	64.4
	76	63	8,250	218.3	156.0	43.7	9.2	272.6	192.0	54.5	16.3	346.4	241.2	69.3	32.7
	78	65		257.3	167.5	51.5	12.5	317.7	205.7	63.6	21.8	398.4	257.6	79.7	42.3
	80	67		298.5	179.0	59.7	16.6	365.4	219.4	73.1	28.3	452.8	273.9	90.6	53.7
	85	70		367.3	208.7	73.5	24.7	442.7	254.2	88.5	40.7	539.9	315.4	108.0	74.6
CM 96	76	63	9,000	253.7	180.5	50.8	7.1	313.0	220.1	62.6	12.3	395.0	272.9	79.0	24.5
	78	65		298.3	193.8	59.7	9.6	364.1	235.9	72.8	16.4	452.9	291.3	90.6	31.5
	80	67		345.6	207.1	69.1	12.7	417.6	251.4	83.5	21.2	513.5	309.8	102.7	39.8
	85	70		423.5	241.2	84.7	18.7	504.9	291.0	101.0	30.3	609.0	355.1	121.8	54.6
	76	63	10,000	272.5	194.4	54.5	8.1	338.5	238.4	67.7	14.3	428.2	297.5	85.7	28.4
	78	65		320.9	208.9	64.2	11.0	394.3	255.4	78.9	19.0	492.7	318.1	98.5	36.8
	80	67		372.2	223.1	74.4	14.6	452.7	272.4	90.5	24.7	558.7	337.9	111.7	46.5
	85	70		456.9	260.1	91.4	21.6	548.4	315.5	109.7	35.4	665.4	388.7	133.1	64.4
	76	63	11,000	291.0	208.0	58.2	9.2	363.5	255.9	72.7	16.3	461.9	321.6	92.4	32.7
	78	65		343.1	223.4	68.6	12.5	423.6	274.2	84.7	21.8	531.2	343.5	106.2	42.3
	80	67		398.1	238.7	79.6	16.6	487.2	292.5	97.4	28.3	603.7	365.3	120.7	53.7
	85	70		489.7	278.2	98.0	24.7	590.3	339.1	118.1	40.7	719.9	420.3	144.0	74.6

Legend

AFR : Air Flow Rate
EDB : Entering Dry Bulb Temperature
EWB : Entering Wet Bulb Temperature
T.CAP : Total Cooling Capacity
S.CAP : Sensible Cooling Capacity
PI : Power input

Note

Power input in this page should not be used for cable or breaker selection. MCA and MOP values in the electrical data page (40) should be referred for the same

Performance Data - IMP

Inlet Water Temp. 43°F - 10 Fins Per inch Cooling Coil

MODEL	ON COIL TEMP. (°F)		AFR (CFM)	3 ROWS				4 ROWS				6 ROWS			
	DB	WB		T. CAP (MBH)	S. CAP (MBH)	WFR (GPM)	WPD (ft H2O)	T. CAP (MBH)	S. CAP (MBH)	WFR (GPM)	WPD (ft H2O)	T. CAP (MBH)	S. CAP (MBH)	WFR (GPM)	WPD (ft H2O)
CM 15	76	63	1,404	32.8	25.4	6.6	2.3	42.3	31.6	8.5	4.4	55.7	39.9	11.1	9.6
	78	65		39.5	27.4	7.9	3.3	50.0	33.9	10.0	6.1	64.7	42.8	12.9	12.7
	80	67		46.7	29.5	9.3	4.5	58.3	36.4	11.7	8.1	74.1	45.6	14.8	16.3
	85	70		58.4	34.7	11.7	6.9	71.7	42.5	14.3	11.9	89.2	52.8	17.8	23.1
	76	63	1,560	35.1	27.4	7.0	2.6	45.5	34.1	9.1	5.1	60.3	43.5	12.1	11.2
	78	65		42.3	29.5	8.5	3.7	54.0	36.7	10.8	7.0	70.1	46.6	14.0	14.8
	80	67		50.0	31.7	10.0	5.1	63.0	39.3	12.6	9.4	80.5	49.7	16.1	19.1
	85	70		62.8	37.3	12.6	7.9	77.6	46.0	15.5	13.9	96.9	57.6	19.4	26.9
	76	63	1,716	37.4	29.2	7.5	3.0	48.8	36.6	9.8	5.8	64.9	47.0	13.0	12.8
	78	65		45.1	31.5	9.0	4.2	57.9	39.4	11.6	8.0	75.2	50.2	15.0	16.8
	80	67		53.4	33.9	10.7	5.8	67.6	42.2	13.5	10.7	86.8	53.7	17.4	21.9
	85	70		67.2	39.9	13.4	9.0	83.5	49.4	16.7	15.9	104.8	62.3	21.0	31.1
CM 20	76	63	1,800	45.8	34.1	9.2	4.8	57.5	41.8	11.5	8.7	73.7	52.2	14.7	18.0
	78	65		54.6	36.7	10.9	6.6	67.6	44.9	13.5	11.7	85.3	55.9	17.1	23.6
	80	67		63.9	39.3	12.8	8.9	78.2	48.1	15.6	15.4	97.4	59.5	19.5	30.2
	85	70		79.3	46.1	15.9	13.4	95.5	56.0	19.1	22.5	116.8	68.8	23.4	42.2
	76	63	2,000	49.1	36.7	9.8	5.4	62.1	45.3	12.4	10.0	80.0	56.9	16.0	21.0
	78	65		58.6	39.5	11.7	7.6	73.1	48.8	14.6	13.6	92.6	61.0	18.5	27.5
	80	67		68.7	42.4	13.7	10.2	84.7	52.0	16.9	17.9	105.9	65.0	21.2	35.2
	85	70		85.5	49.7	17.1	15.5	103.5	60.6	20.7	26.1	127.2	75.1	25.4	49.4
	76	63	2,200	52.4	39.2	10.5	6.1	66.6	48.6	13.3	11.4	85.8	61.1	17.2	23.9
	78	65		62.7	42.3	12.5	8.6	78.5	52.2	15.7	15.5	99.9	65.9	20.0	31.6
	80	67		73.5	45.3	14.7	11.6	91.0	55.9	18.2	20.5	114.3	70.2	22.9	40.5
	85	70		91.6	53.2	18.3	17.6	111.5	65.1	22.3	30.0	137.5	81.2	27.5	57.1
CM 24	76	63	2,138	51.0	39.1	10.2	2.6	65.2	48.4	13.0	4.8	85.5	61.0	17.1	10.2
	78	65		61.2	42.2	12.2	3.6	77.1	52.1	15.4	6.6	99.1	65.4	19.8	13.5
	80	67		72.0	45.2	14.4	5.0	89.7	55.7	17.9	8.8	113.5	69.8	22.7	17.4
	85	70		90.1	53.2	18.0	7.6	110.0	65.0	22.0	12.9	136.4	80.6	27.3	24.4
	76	63	2,375	54.5	42.1	10.9	2.9	70.3	52.4	14.1	5.5	92.4	66.5	18.5	11.8
	78	65		65.6	45.4	13.1	4.2	83.2	56.3	16.6	7.6	107.4	71.3	21.5	15.7
	80	67		77.4	48.7	15.5	5.7	97.0	60.3	19.4	10.2	123.1	76.0	24.6	20.2
	85	70		97.0	57.3	19.4	8.8	119.2	70.4	23.8	15.0	148.4	88.0	29.7	28.6
	76	63	2,613	58.0	44.9	11.6	3.3	75.3	56.2	15.1	6.3	99.5	71.8	19.9	13.6
	78	65		69.9	48.5	14.0	4.7	89.3	60.5	17.9	8.7	115.8	77.0	23.2	18.0
	80	67		82.6	52.1	16.5	6.4	104.1	64.7	20.8	11.6	132.9	82.1	26.6	23.3
	85	70		103.7	61.3	20.7	10.0	128.3	75.7	25.7	17.2	160.4	95.2	32.1	33.1
CM 30	76	63	2,754	59.6	47.9	11.9	1.2	78.8	60.2	15.8	2.4	106.2	76.9	21.2	5.4
	78	65		72.5	51.8	14.5	1.8	93.8	64.8	18.8	3.4	123.7	82.4	24.7	7.2
	80	67		86.1	55.7	17.2	2.5	109.7	69.5	21.9	4.6	142.0	88.0	28.4	9.3
	85	70		108.9	65.8	21.8	3.9	135.7	81.4	27.1	6.9	171.5	102.0	34.3	13.2
	76	63	3,060	63.6	51.6	12.7	1.4	84.7	65.0	16.9	2.8	114.7	83.7	22.9	6.2
	78	65		77.4	55.7	15.5	2.0	101.1	70.0	20.2	3.9	134.0	89.9	26.8	8.3
	80	67		92.2	59.9	18.4	2.9	118.5	75.1	23.7	5.3	154.0	95.9	30.8	10.8
	85	70		117.0	70.9	23.4	4.5	146.9	88.1	29.4	8.0	186.4	111.3	37.3	15.5
	76	63	3,366	67.6	55.1	13.5	1.6	90.6	69.7	18.1	3.2	123.3	90.4	24.7	7.1
	78	65		82.4	59.5	16.5	2.3	108.2	75.1	21.6	4.4	144.3	97.0	28.9	9.6
	80	67		98.3	63.9	19.7	3.2	127.1	80.6	25.4	6.0	166.0	103.5	33.2	12.5
	85	70		125.0	75.8	25.0	5.1	157.8	94.5	31.6	9.1	201.3	120.3	40.3	17.9
CM 38	76	63	3,411	81.0	62.3	16.2	2.4	103.8	77.2	20.8	4.5	136.0	97.2	27.2	9.4
	78	65		97.3	67.2	19.5	3.4	122.8	82.9	24.6	6.1	157.9	104.2	31.6	12.5
	80	67		114.4	72.0	22.9	4.6	142.7	88.8	28.5	8.2	181.0	111.3	36.2	16.1
	85	70		143.4	84.8	28.7	7.2	175.2	103.7	35.0	12.1	217.4	128.6	43.5	22.7
	76	63	3,790	86.5	67.0	17.3	2.7	111.9	83.4	22.4	5.2	147.3	106.0	29.5	11.0
	78	65		104.2	72.2	20.8	3.9	132.5	89.7	26.5	7.1	171.2	113.6	34.2	14.5
	80	67		123.1	77.6	24.6	5.3	154.3	96.0	30.9	9.5	196.1	121.2	39.2	18.7
	85	70		154.4	91.4	30.9	8.2	189.8	112.3	38.0	14.0	236.5	140.3	47.3	26.5
	76	63	4,169	92.2	71.6	18.4	3.1	119.8	89.5	24.0	5.9	158.5	114.5	31.7	12.6
	78	65		111.1	77.2	22.2	4.4	141.9	96.3	28.4	8.1	184.5	122.7	36.9	16.7
	80	67		131.3	82.8	26.3	6.0	165.6	103.1	33.1	10.8	211.6	130.9	42.3	21.5
	85	70		165.0	97.7	33.0	9.4	204.3	120.6	40.9	16.1	255.5	151.7	51.1	30.6

Inlet Water Temp. 43°F - 10 Fins Per inch Cooling Coil

MODEL	ON COIL TEMP. (°F)		AFR (CFM)	3 ROWS				4 ROWS				6 ROWS			
	DB	WB		T. CAP (MBH)	S. CAP (MBH)	WFR (GPM)	WPD (ft H2O)	T. CAP (MBH)	S. CAP (MBH)	WFR (GPM)	WPD (ft H2O)	T. CAP (MBH)	S. CAP (MBH)	WFR (GPM)	WPD (ft H2O)
CM 48	76	63	4,464	115.6	85.3	23.1	5.3	144.4	104.5	28.9	9.4	184.3	130.0	36.9	19.0
	78	65		137.5	91.9	27.5	7.3	169.4	112.2	33.9	12.7	212.9	139.2	42.6	24.8
	80	67		160.7	98.4	32.1	9.8	195.8	120.0	39.2	16.6	243.0	148.3	48.6	31.7
	85	70		199.1	115.3	39.8	14.8	238.9	139.6	47.8	24.2	291.2	171.2	58.2	44.4
	76	63	4,960	124.0	91.9	24.8	6.0	155.9	113.1	31.2	10.8	199.7	141.8	39.9	22.0
	78	65		147.8	99.1	29.6	8.4	183.2	121.5	36.6	14.7	231.1	151.8	46.2	28.9
	80	67		172.9	106.1	34.6	11.3	212.0	129.8	42.4	19.3	264.1	161.7	52.8	37.0
	85	70		214.6	124.3	42.9	17.1	259.2	151.3	51.8	28.2	316.9	186.9	63.4	52.0
	76	63	5,456	132.3	98.3	26.5	6.8	167.2	121.5	33.4	12.4	215.3	153.4	43.1	25.4
	78	65		157.8	105.9	31.6	9.5	196.8	130.4	39.4	16.8	249.6	164.2	49.9	33.4
	80	67		184.9	113.4	37.0	12.8	228.1	139.5	45.6	22.2	285.2	174.9	57.0	42.8
	85	70		229.9	133.0	46.0	19.4	279.0	162.6	55.8	32.5	342.8	202.1	68.6	60.2
CM 60	76	63	5,400	133.6	100.7	26.7	3.3	169.1	124.2	33.8	6.0	219.4	155.8	43.9	12.5
	78	65		159.5	108.6	31.9	4.6	199.2	133.4	39.8	8.2	253.7	166.6	50.7	16.3
	80	67		187.3	116.5	37.5	6.3	231.1	142.7	46.2	10.8	289.9	177.6	58.0	21.0
	85	70		233.5	136.8	46.7	9.5	282.9	166.5	56.6	15.9	348.1	205.3	69.6	29.5
	76	63	6,000	142.9	108.5	28.6	3.7	182.5	134.4	36.5	6.9	237.3	169.7	47.5	14.4
	78	65		171.2	116.9	34.2	5.3	215.3	144.4	43.1	9.5	275.2	181.7	55.0	19.0
	80	67		201.3	125.4	40.3	7.2	250.0	154.6	50.0	12.6	314.8	193.6	63.0	24.5
	85	70		251.5	147.4	50.3	11.0	306.7	180.4	61.3	18.5	378.8	224.1	75.8	34.5
	76	63	6,600	152.4	115.9	30.5	4.2	195.4	144.1	39.1	7.9	255.4	183.4	51.1	16.6
	78	65		182.8	124.9	36.6	6.0	231.1	155.0	46.2	10.8	296.8	196.5	59.4	21.9
	80	67		215.2	134.0	43.0	8.2	268.6	165.9	53.7	14.4	339.9	209.4	68.0	28.2
	85	70		269.1	157.6	53.8	12.5	329.8	193.7	66.0	21.2	409.4	242.4	81.9	39.9
CM 75	76	63	6,750	177.8	130.3	35.6	6.2	220.8	159.2	44.2	10.9	280.5	197.5	56.1	22.0
	78	65		211.0	140.2	42.2	8.6	258.6	170.8	51.7	14.7	323.8	211.3	64.8	28.7
	80	67		246.0	150.1	49.2	11.5	298.9	182.5	59.8	19.3	369.0	225.0	73.8	36.6
	85	70		304.3	175.7	60.9	17.2	364.0	212.2	72.8	28.0	442.0	259.7	88.4	51.2
	76	63	7,500	190.6	140.3	38.1	7.1	238.4	172.3	47.7	12.6	303.7	215.3	60.7	25.5
	78	65		226.7	151.0	45.3	9.8	279.8	185.0	56.0	17.1	351.8	230.5	70.4	33.5
	80	67		264.8	161.8	53.0	13.2	323.6	197.6	64.7	22.5	401.2	245.5	80.2	42.8
	85	70		328.3	189.5	65.7	19.9	395.0	230.0	79.0	32.7	481.2	283.5	96.3	60.0
	76	63	8,250	203.4	149.9	40.7	8.0	256.0	185.0	51.2	14.4	327.5	232.8	65.5	29.4
	78	65		242.2	161.4	48.4	11.1	300.6	198.5	60.1	19.6	379.2	249.0	75.8	38.5
	80	67		283.4	173.0	56.7	15.0	348.1	212.2	69.6	25.8	433.6	265.5	86.7	49.4
	85	70		351.6	202.7	70.3	22.6	425.2	247.1	85.0	37.6	520.6	306.7	104.1	69.5
CM 96	76	63	9,000	237.0	173.6	47.4	6.2	294.3	212.2	58.9	10.9	374.0	263.3	74.8	22.0
	78	65		281.3	186.8	56.3	8.6	344.8	227.6	69.0	14.7	431.7	281.6	86.3	28.7
	80	67		328.0	200.1	65.6	11.5	398.5	243.3	79.7	19.3	492.0	300.0	98.4	36.6
	85	70		405.7	234.3	81.2	17.2	485.3	283.0	97.1	28.0	589.3	346.3	117.9	51.2
	76	63	10,000	254.1	187.0	50.8	7.1	317.9	229.5	63.6	12.6	405.1	287.0	81.0	25.5
	78	65		302.3	201.4	60.5	9.8	373.1	246.6	74.6	17.1	469.0	307.3	93.8	33.5
	80	67		353.0	215.7	70.6	13.2	431.4	263.5	86.3	22.5	534.9	327.4	107.0	42.8
	85	70		437.7	252.6	87.5	19.9	526.7	306.6	105.3	32.7	641.7	378.1	128.3	60.0
	76	63	11,000	271.3	199.9	54.3	8.0	341.3	246.7	68.3	14.4	436.7	310.4	87.3	29.4
	78	65		323.0	215.2	64.6	11.1	400.8	264.6	80.2	19.6	505.6	332.1	101.1	38.5
	80	67		377.9	230.6	75.6	15.0	464.1	283.0	92.8	25.8	578.1	354.0	115.6	49.4
	85	70		468.9	270.3	93.8	22.6	566.9	329.5	113.4	37.6	694.1	409.0	138.8	69.5

Legend

AFR : Air Flow Rate
EDB : Entering Dry Bulb Temperature
EWB : Entering Wet Bulb Temperature
T.CAP : Total Cooling Capacity
S.CAP : Sensible Cooling Capacity
PI : Power input

Note

Power input in this page should not be used for cable or breaker selection. MCA and MOP values in the electrical data page (40) should be referred for the same

Performance Data - IMP

Inlet Water Temp. 44°F - 10 Fins Per inch Cooling Coil

MODEL	ON COIL TEMP. (°F)		AFR (CFM)	3 ROWS				4 ROWS				6 ROWS			
	DB	WB		T. CAP (MBH)	S. CAP (MBH)	WFR (GPM)	WPD (ft H2O)	T. CAP (MBH)	S. CAP (MBH)	WFR (GPM)	WPD (ft H2O)	T. CAP (MBH)	S. CAP (MBH)	WFR (GPM)	WPD (ft H2O)
CM 15	76	63	1,404	30.2	24.4	6.0	2.0	39.3	30.3	7.9	3.8	52.4	38.4	10.5	8.6
	78	65		36.8	26.4	7.4	2.9	47.0	32.7	9.4	5.4	61.4	41.3	12.3	11.5
	80	67		43.9	28.4	8.8	3.7	55.1	35.1	11.0	7.3	70.6	44.0	14.1	14.9
	85	70		55.7	33.6	11.1	6.3	68.5	41.2	13.7	10.9	85.7	51.3	17.1	21.4
	76	63	1,560	32.2	26.3	6.4	2.2	42.3	32.8	8.5	4.4	56.6	41.9	11.3	9.9
	78	65		39.4	28.4	7.9	3.3	50.7	35.4	10.1	6.2	66.3	44.9	13.3	13.3
	80	67		47.0	30.5	9.4	4.6	59.5	38.0	11.9	8.4	76.7	48.1	15.3	17.4
	85	70		59.8	36.2	12.0	7.2	74.2	44.7	14.8	12.7	93.2	56.0	18.6	25.0
	76	63	1,716	34.3	28.0	6.9	2.5	45.3	35.2	9.1	5.0	60.9	45.2	12.2	11.3
	78	65		42.0	30.3	8.4	3.7	54.3	37.9	10.9	7.1	71.5	48.5	14.3	15.2
	80	67		50.2	32.6	10.0	5.2	64.0	40.8	12.8	9.6	82.7	52.0	16.5	20.0
	85	70		63.9	38.7	12.8	8.2	79.8	47.9	16.0	14.6	100.6	60.5	20.1	28.8
CM 20	76	63	1,800	42.4	32.7	8.5	4.1	53.7	40.3	10.7	7.6	69.6	50.3	13.9	16.2
	78	65		51.1	35.3	10.2	5.8	63.7	43.3	12.7	10.5	81.1	54.0	16.2	21.4
	80	67		60.3	38.0	12.1	8.0	74.3	46.4	14.9	14.0	93.1	57.6	18.6	27.7
	85	70		75.7	44.7	15.1	12.3	91.6	54.3	18.3	20.7	112.4	66.8	22.5	39.2
	76	63	2,000	45.4	35.2	9.1	4.7	57.9	43.5	11.6	8.8	75.2	54.8	15.0	18.7
	78	65		54.9	38.1	11.0	6.7	68.8	46.9	13.8	12.1	87.9	58.9	17.6	24.9
	80	67		64.9	40.9	13.0	9.1	80.3	50.3	16.1	16.2	101.1	62.8	20.2	32.2
	85	70		81.5	48.2	16.3	14.1	99.2	58.9	19.8	24.0	122.4	73.0	24.5	45.9
	76	63	2,200	48.4	37.7	9.7	5.3	62.0	46.7	12.4	10.0	81.0	59.2	16.2	21.4
	78	65		58.6	40.7	11.7	7.5	73.9	50.4	14.8	13.8	94.8	63.6	19.0	28.6
	80	67		69.3	43.7	13.9	10.4	86.3	54.0	17.3	18.5	109.1	67.9	21.8	37.1
	85	70		87.3	51.6	17.5	16.1	106.8	63.2	21.4	27.6	132.3	79.0	26.5	53.0
CM 24	76	63	2,138	46.9	37.5	9.4	2.2	60.6	46.5	12.1	4.2	80.4	58.7	16.1	9.1
	78	65		57.1	40.5	11.4	3.2	72.5	50.2	14.5	5.9	94.0	63.1	18.8	12.2
	80	67		67.8	43.6	13.6	4.4	84.9	53.8	17.0	7.9	108.2	67.4	21.6	15.8
	85	70		85.8	51.6	17.2	6.9	105.3	63.2	21.1	11.8	131.2	78.4	26.2	22.7
	76	63	2,375	50.1	40.3	10.0	2.5	65.3	50.3	13.1	4.8	86.8	64.0	17.4	10.5
	78	65		61.1	43.6	12.2	3.6	78.2	54.3	15.6	6.8	101.8	68.8	20.4	14.1
	80	67		72.8	47.0	14.6	5.1	91.7	58.2	18.4	9.1	117.4	73.5	23.5	18.4
	85	70		92.4	55.6	18.5	8.0	114.0	68.4	22.8	13.8	142.6	85.5	28.5	26.5
	76	63	2,613	53.4	43.1	10.7	2.8	69.9	54.0	14.0	5.5	93.5	69.2	18.7	12.1
	78	65		65.1	46.6	13.0	4.1	83.8	58.2	16.8	7.7	109.7	74.3	21.9	16.2
	80	67		77.7	50.2	15.5	5.7	98.5	62.5	19.7	10.4	126.7	79.4	25.3	21.2
	85	70		98.8	59.4	19.8	9.0	122.5	73.4	24.5	15.8	154.1	92.5	30.8	30.6
CM 30	76	63	2,754	54.6	46.0	10.9	1.0	73.0	57.8	14.6	2.1	99.6	74.0	19.9	4.8
	78	65		67.2	49.8	13.4	1.6	87.9	62.4	17.6	3.0	117.0	79.5	23.4	6.5
	80	67		80.8	53.7	16.2	2.2	103.7	67.0	20.7	4.1	135.3	85.1	27.1	8.5
	85	70		103.4	63.8	20.7	3.5	129.6	79.0	25.9	6.3	164.8	99.1	33.0	12.2
	76	63	3,060	58.1	49.4	11.6	1.2	78.4	62.5	15.7	2.4	107.4	80.5	21.5	5.5
	78	65		71.8	53.6	14.4	1.8	94.5	67.4	18.9	3.4	126.5	86.6	25.3	7.5
	80	67		86.4	57.7	17.3	2.5	111.9	72.4	22.4	4.7	146.6	92.7	29.3	9.8
	85	70		111.0	68.7	22.2	4.1	140.1	85.4	28.0	7.3	179.0	108.1	35.8	14.3
	76	63	3,366	61.6	52.7	12.3	1.3	83.6	66.9	16.7	2.7	115.4	86.9	23.1	6.3
	78	65		76.3	57.2	15.3	2.0	101.2	72.3	20.2	3.9	136.2	93.6	27.2	8.6
	80	67		92.0	61.6	18.4	2.8	119.8	77.7	24.0	5.4	158.0	100.1	31.6	11.3
	85	70		118.5	73.4	23.7	4.6	150.5	91.7	30.1	8.3	193.1	116.8	38.6	16.5
CM 38	76	63	3,411	74.5	59.7	14.9	2.0	96.5	74.1	19.3	3.9	128.0	93.7	25.6	8.4
	78	65		90.7	64.5	18.1	3.0	115.3	79.9	23.1	5.4	149.7	100.6	29.9	11.3
	80	67		107.7	70.1	21.5	4.1	135.2	85.7	27.0	7.4	172.4	107.4	34.5	14.6
	85	70		136.4	82.2	27.3	6.5	167.7	100.6	33.5	11.1	209.2	124.9	41.8	21.0
	76	63	3,790	79.6	64.2	15.9	2.3	103.9	80.1	20.8	4.5	138.4	102.1	27.7	9.7
	78	65		97.1	69.4	19.4	3.4	124.4	86.4	24.9	6.3	162.1	109.6	32.4	13.1
	80	67		115.7	74.7	23.1	4.7	146.1	92.8	29.2	8.5	187.1	117.2	37.4	17.1
	85	70		146.8	88.5	29.4	7.5	181.6	108.9	36.3	12.9	227.6	136.4	45.5	24.6
	76	63	4,169	84.6	68.6	16.9	2.6	111.3	86.0	22.3	5.1	148.7	110.2	29.7	11.1
	78	65		103.4	74.2	20.7	3.8	133.4	92.7	26.7	7.2	174.6	118.4	34.9	15.0
	80	67		123.4	79.8	24.7	5.3	156.7	99.5	31.3	9.7	201.9	126.7	40.4	19.7
	85	70		157.0	94.6	31.4	8.5	195.2	117.0	39.0	14.7	245.3	147.3	49.1	28.3

Inlet Water Temp. 44°F - 10 Fins Per inch Cooling Coil

MODEL	ON COIL TEMP. (°F)		AFR (CFM)	3 ROWS				4 ROWS				6 ROWS			
	DB	WB		T. CAP (MBH)	S. CAP (MBH)	WFR (GPM)	WPD (ft H2O)	T. CAP (MBH)	S. CAP (MBH)	WFR (GPM)	WPD (ft H2O)	T. CAP (MBH)	S. CAP (MBH)	WFR (GPM)	WPD (ft H2O)
CM 48	76	63	4,464	107.3	82.0	21.5	4.6	134.8	100.5	27.0	8.2	173.8	125.3	34.8	17.0
	78	65		129.0	88.5	25.8	6.5	159.7	108.2	31.9	11.3	202.3	134.5	40.5	22.5
	80	67		151.9	95.0	30.4	8.8	186.1	115.9	37.2	15.1	232.1	143.4	46.4	29.1
	85	70		190.3	111.9	38.1	13.5	229.0	135.5	45.8	22.3	280.3	166.4	56.1	41.3
	76	63	4,960	114.8	88.2	23.0	5.2	145.6	108.9	29.1	9.5	188.0	136.6	37.6	19.7
	78	65		138.5	95.3	27.7	7.4	172.7	117.2	34.5	13.1	219.4	146.6	43.9	26.2
	80	67		163.3	102.4	32.7	10.1	201.5	125.6	40.3	17.5	252.2	156.6	50.4	33.9
	85	70		204.9	120.6	41.0	15.6	248.4	146.9	49.7	26.0	304.9	181.6	61.0	48.3
	76	63	5,456	122.5	94.3	24.5	5.9	155.9	116.7	31.2	10.8	202.5	147.7	40.5	22.6
	78	65		147.8	101.9	29.6	8.4	185.4	125.7	37.1	15.0	236.7	158.5	47.3	30.2
	80	67		174.6	109.5	34.9	11.5	216.4	134.8	43.3	20.0	272.5	169.3	54.5	39.2
	85	70		219.4	129.0	43.9	17.7	267.3	157.8	53.5	29.8	329.8	196.5	66.0	55.9
CM 60	76	63	5,400	123.4	96.7	24.7	2.8	157.6	119.4	31.5	5.3	206.2	149.9	41.2	11.1
	78	65		149.2	104.5	29.8	4.1	187.6	128.6	37.5	7.3	240.8	161.0	48.2	14.8
	80	67		176.8	112.3	35.4	5.6	219.2	137.9	43.8	9.8	277.1	171.9	55.4	19.2
	85	70		222.6	132.6	44.5	8.7	270.9	161.6	54.2	14.6	335.1	199.7	67.0	27.4
	76	63	6,000	131.9	104.1	26.4	3.2	169.8	129.1	34.0	6.0	223.0	163.3	44.6	12.8
	78	65		160.0	112.5	32.0	4.6	202.6	139.1	40.5	8.4	260.8	175.4	52.2	17.2
	80	67		189.8	121.0	38.0	6.4	237.2	149.3	47.4	11.3	300.7	187.5	60.1	22.4
	85	70		239.8	143.0	48.0	10.0	293.6	175.0	58.7	17.0	364.4	217.9	72.9	32.0
	76	63	6,600	140.5	111.2	28.1	3.6	181.8	138.6	36.4	6.9	239.9	176.5	48.0	14.7
	78	65		170.5	120.1	34.1	5.2	217.2	149.3	43.4	9.6	281.3	189.6	56.3	19.8
	80	67		202.8	129.3	40.6	7.3	254.6	160.3	50.9	13.0	324.3	202.6	64.9	25.8
	85	70		256.3	152.9	51.3	11.4	315.6	188.0	63.1	19.5	393.7	235.6	78.7	37.0
CM 75	76	63	6,750	165.0	125.1	33.0	5.4	206.3	153.0	41.3	9.6	264.4	190.4	52.9	19.7
	78	65		197.9	135.0	39.6	7.6	244.2	164.6	48.8	13.2	307.9	204.2	61.6	26.1
	80	67		232.9	144.9	46.6	10.3	284.1	176.4	56.8	17.5	353.0	217.9	70.6	33.6
	85	70		290.7	170.5	58.1	15.7	349.1	206.1	69.8	25.8	425.7	252.4	85.1	47.6
	76	63	7,500	176.8	134.8	35.4	6.1	222.6	165.6	44.5	11.1	286.2	207.4	57.2	22.8
	78	65		212.5	145.4	42.5	8.7	264.1	178.8	52.8	15.3	333.7	222.6	66.7	30.3
	80	67		250.7	156.2	50.1	11.9	307.5	191.0	61.5	20.3	383.4	237.7	76.7	39.2
	85	70		313.5	183.8	62.7	18.1	378.5	223.3	75.7	30.1	463.2	275.6	92.6	55.7
	76	63	8,250	188.6	144.0	37.7	6.9	238.9	177.7	47.8	12.7	308.2	224.2	61.6	26.2
	78	65		226.9	155.4	45.4	9.8	283.4	191.4	56.7	17.5	359.9	240.6	72.0	34.9
	80	67		267.8	167.0	53.6	13.4	330.7	205.1	66.1	23.3	414.1	257.0	82.8	45.2
	85	70		335.8	196.7	67.2	20.7	407.6	239.9	81.5	34.6	501.0	298.2	100.2	64.5
CM 96	76	63	9,000	220.1	166.8	44.0	5.4	275.1	204.0	55.0	9.6	352.5	253.6	70.5	19.7
	78	65		263.9	180.0	52.8	7.6	325.7	219.7	65.1	13.2	410.5	272.2	82.1	26.1
	80	67		310.5	193.2	62.1	10.3	378.8	235.2	75.8	17.5	470.6	290.6	94.1	33.6
	85	70		387.6	227.3	77.5	15.7	465.4	274.9	93.1	25.8	567.6	336.5	113.5	47.6
	76	63	10,000	235.8	179.7	47.2	6.1	296.8	220.8	59.4	11.1	381.6	276.6	76.3	22.8
	78	65		283.3	193.9	56.7	8.7	352.1	238.4	70.4	15.3	444.9	296.8	89.0	30.3
	80	67		334.2	208.3	66.8	11.9	410.1	254.7	82.0	20.3	511.3	316.9	102.3	39.2
	85	70		418.1	245.1	83.6	18.1	504.7	297.8	100.9	30.1	617.5	367.5	123.5	55.7
	76	63	11,000	251.5	192.0	50.3	6.9	318.5	237.0	63.7	12.7	411.0	299.0	82.2	26.2
	78	65		302.6	207.2	60.5	9.8	377.9	255.2	75.6	17.5	479.9	320.8	96.0	34.9
	80	67		357.1	222.7	71.4	13.4	440.9	273.5	88.2	23.3	552.1	342.6	110.4	45.2
	85	70		447.7	262.3	89.5	20.7	543.5	319.9	108.7	34.6	668.0	397.6	133.6	64.5

Legend

AFR : Air Flow Rate
EDB : Entering Dry Bulb Temperature
EWB : Entering Wet Bulb Temperature
T.CAP : Total Cooling Capacity
S.CAP : Sensible Cooling Capacity
PI : Power input

Note

Power input in this page should not be used for cable or breaker selection. MCA and MOP values in the electrical data page (40) should be referred for the same

Performance Data - IMP

Inlet Water Temp. 45°F - 10 Fins Per inch Cooling Coil

MODEL	ON COIL TEMP. (°F)		AFR (CFM)	3 ROWS				4 ROWS				6 ROWS			
	DB	WB		T. CAP (MBH)	S. CAP (MBH)	WFR (GPM)	WPD (ft H2O)	T. CAP (MBH)	S. CAP (MBH)	WFR (GPM)	WPD (ft H2O)	T. CAP (MBH)	S. CAP (MBH)	WFR (GPM)	WPD (ft H2O)
CM 15	76	63	1,404	27.6	23.4	5.5	1.7	36.3	29.1	7.3	3.3	49.0	36.9	9.8	7.6
	78	65		34.1	25.3	6.8	2.5	44.0	31.5	8.8	4.7	58.0	39.8	11.6	10.3
	80	67		41.1	27.3	8.2	3.5	52.1	33.8	10.4	6.5	67.3	42.6	13.5	13.6
	85	70		52.8	32.6	10.6	5.7	65.3	40.0	13.1	10.0	82.2	49.8	16.4	19.7
	76	63	1,560	29.4	25.2	5.9	1.9	39.0	31.5	7.8	3.8	52.9	40.3	10.6	8.7
	78	65		36.5	27.3	7.3	2.8	47.4	34.1	9.5	5.5	62.6	43.3	12.5	11.9
	80	67		44.0	29.4	8.8	4.0	56.2	36.6	11.2	7.5	72.9	46.5	14.6	15.8
	85	70		56.7	35.1	11.3	6.5	70.8	43.3	14.2	11.6	89.4	54.3	17.9	23.0
	76	63	1,716	31.2	26.8	6.2	2.1	41.7	33.7	8.3	4.3	56.7	43.4	11.3	9.9
	78	65		38.8	29.1	7.8	3.2	50.7	36.5	10.1	6.2	67.4	46.8	13.5	13.6
	80	67		47.0	31.4	9.4	4.5	60.2	39.3	12.1	8.6	78.4	50.1	15.7	18.0
	85	70		60.5	37.5	12.1	7.4	76.0	46.4	15.2	13.2	96.5	58.7	19.3	26.6
CM 20	76	63	1,800	39.1	31.4	7.8	3.5	49.8	38.7	10.0	6.6	65.2	48.4	13.0	14.3
	78	65		47.7	34.0	9.5	5.1	59.8	41.7	12.0	9.3	76.8	52.1	15.4	19.3
	80	67		56.8	36.6	11.4	7.1	70.3	44.8	14.1	12.6	88.7	55.7	17.7	25.3
	85	70		72.1	43.4	14.4	11.1	87.4	52.7	17.5	18.9	108.0	64.9	21.6	36.3
	76	63	2,000	41.7	33.8	8.4	4.0	53.7	41.8	10.7	7.6	70.6	52.8	14.1	16.6
	78	65		51.1	36.6	10.2	5.8	64.5	45.2	12.9	10.7	83.0	56.8	16.6	22.3
	80	67		60.9	39.4	12.2	8.1	76.0	48.5	15.2	14.5	96.2	60.8	19.2	29.3
	85	70		77.5	46.7	15.5	12.8	94.9	57.2	19.0	22.1	117.5	70.9	23.5	42.5
	76	63	2,200	44.4	36.1	8.9	4.5	57.4	44.9	11.5	8.6	75.8	57.0	15.2	18.9
	78	65		54.5	39.1	10.9	6.6	69.3	48.5	13.9	12.2	89.3	61.2	17.9	25.5
	80	67		65.2	42.2	13.0	9.2	81.6	52.1	16.3	16.6	103.9	65.7	20.8	33.8
	85	70		83.0	50.0	16.6	14.5	102.0	61.4	20.4	25.3	127.0	76.6	25.4	49.0
CM 24	76	63	2,138	42.9	35.9	8.6	1.8	56.1	44.7	11.2	3.6	75.3	56.5	15.1	8.0
	78	65		52.9	39.0	10.6	2.7	67.8	48.2	13.6	5.1	88.8	60.8	17.8	10.9
	80	67		63.6	42.0	12.7	3.9	80.2	51.9	16.0	7.1	103.0	65.1	20.6	14.4
	85	70		81.5	50.0	16.3	6.2	100.6	61.3	20.1	10.8	125.9	76.1	25.2	20.9
	76	63	2,375	45.8	38.6	9.2	2.1	60.4	48.3	12.1	4.1	81.1	61.5	16.2	9.2
	78	65		56.7	42.0	11.3	3.1	73.1	52.2	14.6	5.9	96.0	66.3	19.2	12.6
	80	67		68.2	45.2	13.6	4.4	86.6	56.1	17.3	8.2	111.7	71.0	22.3	16.7
	85	70		87.6	53.8	17.5	7.2	108.7	66.3	21.7	12.5	136.8	83.0	27.4	24.4
	76	63	2,613	48.6	41.3	9.7	2.3	64.6	51.8	12.9	4.7	87.3	66.5	17.5	10.6
	78	65		60.3	44.8	12.1	3.5	78.2	56.0	15.6	6.7	103.5	71.6	20.7	14.5
	80	67		72.7	48.3	14.5	5.0	92.8	60.2	18.6	9.3	120.4	76.8	24.1	19.3
	85	70		93.5	57.5	18.7	8.1	117.0	71.4	23.4	14.4	147.8	89.8	29.6	28.2
CM 30	76	63	2,754	49.4	44.0	9.9	0.9	67.0	55.4	13.4	1.8	92.9	71.0	18.6	4.2
	78	65		62.0	47.8	12.4	1.3	81.7	59.9	16.3	2.6	110.3	76.6	22.1	5.8
	80	67		75.3	51.6	15.1	1.9	97.4	64.6	19.5	3.6	128.6	82.2	25.7	7.7
	85	70		97.8	61.7	19.6	3.2	123.5	76.5	24.7	5.7	158.0	96.2	31.6	11.3
	76	63	3,060	52.6	47.3	10.5	1.0	71.9	59.8	14.4	2.0	100.1	77.4	20.0	4.8
	78	65		66.1	51.4	13.2	1.5	88.0	64.8	17.6	3.0	119.1	83.4	23.8	6.6
	80	67		80.5	55.5	16.1	2.2	105.1	69.8	21.0	4.2	139.1	89.5	27.8	8.9
	85	70		105.0	66.5	21.0	3.6	133.3	82.8	26.7	6.6	171.5	105.0	34.3	13.2
	76	63	3,366	55.6	50.5	11.1	1.1	76.8	64.2	15.4	2.3	107.4	83.5	21.5	5.5
	78	65		70.2	54.9	14.0	1.7	94.0	69.4	18.8	3.4	128.2	90.2	25.6	7.6
	80	67		85.6	59.3	17.1	2.5	112.6	74.9	22.5	4.8	149.8	96.6	30.0	10.2
	85	70		112.0	71.0	22.4	4.1	143.1	88.8	28.6	7.5	185.0	113.4	37.0	15.2
CM 38	76	63	3,411	68.1	57.2	13.6	1.7	89.1	71.1	17.8	3.3	119.8	90.1	24.0	7.4
	78	65		84.1	62.0	16.8	2.6	107.9	76.9	21.6	4.8	141.4	97.0	28.3	10.1
	80	67		101.1	66.8	20.2	3.6	127.6	82.7	25.5	6.6	164.1	103.9	32.8	13.3
	85	70		129.6	79.6	25.9	5.9	160.0	97.6	32.0	10.1	200.7	121.3	40.1	19.4
	76	63	3,790	72.7	61.5	14.5	1.9	95.9	76.9	19.2	3.8	129.3	98.1	25.9	8.5
	78	65		90.0	66.8	18.0	2.9	116.2	83.1	23.2	5.5	153.0	105.6	30.6	11.7
	80	67		108.3	72.0	21.7	4.2	137.8	89.4	27.6	7.6	177.9	113.2	35.6	15.5
	85	70		139.3	85.8	27.9	6.7	173.1	105.7	34.6	11.7	218.0	132.3	43.6	22.6
	76	63	4,169	77.2	65.7	15.4	2.2	102.6	82.5	20.5	4.4	138.9	106.0	27.8	9.8
	78	65		95.8	71.3	19.2	3.3	124.6	89.2	24.9	6.3	164.7	114.1	32.9	13.4
	80	67		115.5	76.9	23.1	4.7	147.9	96.0	29.6	8.7	191.8	122.3	38.4	17.8
	85	70		148.8	91.7	29.8	7.6	186.2	113.4	37.2	13.4	235.5	143.1	47.1	26.2

Inlet Water Temp. 45°F - 10 Fins Per inch Cooling Coil

MODEL	ON COIL TEMP. (°F)		AFR (CFM)	3 ROWS				4 ROWS				6 ROWS			
	DB	WB		T. CAP (MBH)	S. CAP (MBH)	WFR (GPM)	WPD (ft H2O)	T. CAP (MBH)	S. CAP (MBH)	WFR (GPM)	WPD (ft H2O)	T. CAP (MBH)	S. CAP (MBH)	WFR (GPM)	WPD (ft H2O)
CM 48	76	63	4,464	98.8	78.6	19.8	3.9	125.2	96.5	25.0	7.1	162.9	120.5	32.6	15.0
	78	65		120.2	85.1	24.0	5.6	150.1	104.2	30.0	10.0	191.5	129.7	38.3	20.3
	80	67		143.1	91.7	28.6	7.8	176.3	111.9	35.3	13.6	221.3	138.7	44.3	26.5
	85	70		181.2	108.5	36.2	12.3	219.0	131.5	43.8	20.4	269.4	161.7	53.9	38.2
	76	63	4,960	105.6	84.6	21.1	4.4	134.9	104.4	27.0	8.2	176.3	131.5	35.3	17.4
	78	65		129.0	91.7	25.8	6.4	162.0	112.8	32.4	11.6	207.5	141.4	41.5	23.5
	80	67		153.8	98.7	30.8	9.0	190.5	121.1	38.1	15.7	240.2	151.4	48.0	30.9
	85	70		195.0	116.9	39.0	14.1	237.4	142.5	47.5	23.8	292.8	176.4	58.6	44.6
	76	63	5,456	112.7	90.5	22.5	5.0	144.7	112.1	28.9	9.4	189.7	142.0	37.9	19.9
	78	65		137.6	98.0	27.5	7.3	174.0	121.2	34.8	13.2	223.6	152.8	44.7	27.0
	80	67		164.3	105.5	32.9	10.2	204.7	130.1	40.9	18.0	259.4	163.6	51.9	35.6
	85	70		208.7	125.1	41.7	16.1	255.5	153.1	51.1	27.3	316.7	190.9	63.3	51.7
CM 60	76	63	5,400	113.2	92.7	22.6	2.4	145.8	114.5	29.2	4.5	192.8	144.0	38.6	9.8
	78	65		138.8	100.4	27.8	3.5	175.8	123.8	35.2	6.4	227.6	155.1	45.5	13.3
	80	67		166.1	108.2	33.2	5.0	207.2	133.1	41.4	8.8	263.6	166.0	52.7	17.5
	85	70		211.6	128.4	42.3	7.9	258.9	156.8	51.8	13.3	321.7	193.8	64.3	25.3
	76	63	6,000	120.8	99.7	24.2	2.7	157.1	123.9	31.4	5.2	208.6	157.0	41.7	11.3
	78	65		148.7	108.1	29.7	4.0	189.6	133.9	37.9	7.4	246.5	169.1	49.3	15.4
	80	67		178.3	116.5	35.7	5.7	224.0	144.0	44.8	10.1	285.9	181.0	57.2	20.3
	85	70		227.6	138.5	45.5	9.0	280.3	169.8	56.1	15.5	349.6	211.5	69.9	29.6
	76	63	6,600	128.5	106.6	25.7	3.0	168.2	133.0	33.6	5.9	224.3	169.7	44.9	12.9
	78	65		158.4	115.6	31.7	4.5	203.3	143.8	40.7	8.5	265.4	182.7	53.1	17.7
	80	67		190.1	124.5	38.0	6.4	240.3	154.5	48.1	11.6	308.4	195.7	61.7	23.4
	85	70		243.4	148.0	48.7	10.3	301.3	182.4	60.3	17.8	377.7	228.7	75.5	34.2
CM 75	76	63	6,750	152.3	120.0	30.5	4.6	191.7	146.9	38.3	8.4	248.3	183.2	49.7	17.5
	78	65		184.9	129.9	37.0	6.6	229.4	158.6	45.9	11.7	291.2	196.8	58.2	23.5
	80	67		219.5	139.8	43.9	9.2	269.1	170.2	53.8	15.8	336.6	210.6	67.3	30.7
	85	70		277.3	165.3	55.5	14.3	334.0	200.0	66.8	23.7	409.1	245.3	81.8	44.1
	76	63	7,500	163.0	129.3	32.6	5.2	206.8	159.1	41.4	9.6	267.7	199.4	53.6	20.1
	78	65		198.3	139.9	39.7	7.6	248.1	171.8	49.6	13.5	315.7	214.6	63.1	27.3
	80	67		236.1	150.6	47.2	10.6	291.2	184.4	58.2	18.3	365.4	229.8	73.1	35.8
	85	70		298.7	178.2	59.7	16.5	362.0	216.7	72.4	27.6	445.3	267.8	89.1	51.6
	76	63	8,250	173.7	138.1	34.7	5.9	221.7	170.7	44.3	11.0	288.8	215.6	57.8	23.1
	78	65		211.7	149.5	42.3	8.6	266.1	184.3	53.2	15.5	340.5	232.2	68.1	31.4
	80	67		252.3	161.0	50.5	12.0	313.0	198.0	62.6	21.0	394.5	248.4	78.9	41.2
	85	70		319.5	190.5	63.9	18.8	389.7	232.8	77.9	31.7	481.3	289.8	96.3	59.7
CM 96	76	63	9,000	203.0	160.0	40.6	4.6	255.6	195.9	51.1	8.4	331.1	244.3	66.2	17.5
	78	65		246.5	173.1	49.3	6.6	305.9	211.5	61.2	11.7	388.4	262.5	77.7	23.5
	80	67		292.6	186.4	58.5	9.2	358.8	227.0	71.8	15.8	448.8	280.8	89.8	30.7
	85	70		369.8	220.4	74.0	14.3	445.3	266.7	89.1	23.7	545.5	327.0	109.1	44.1
	76	63	10,000	217.3	172.4	43.5	5.2	275.7	212.1	55.1	9.6	357.1	265.9	71.4	20.1
	78	65		264.4	186.5	52.9	7.6	330.7	229.1	66.1	13.5	421.0	286.3	84.2	27.3
	80	67		314.8	200.8	63.0	10.6	388.2	245.9	77.6	18.3	487.2	306.5	97.4	35.8
	85	70		398.2	237.5	79.6	16.5	482.7	289.0	96.5	27.6	593.7	357.0	118.7	51.6
	76	63	11,000	231.6	184.1	46.3	5.9	295.6	227.6	59.1	11.0	385.1	287.5	77.0	23.1
	78	65		282.2	199.3	56.4	8.6	354.8	245.8	71.0	15.5	454.0	309.6	90.8	31.4
	80	67		336.5	214.7	67.3	12.0	417.3	264.0	83.5	21.0	526.0	331.2	105.2	41.2
	85	70		426.0	254.0	85.2	18.8	519.6	310.4	103.9	31.7	641.8	386.4	128.4	59.7

Legend

AFR : Air Flow Rate
EDB : Entering Dry Bulb Temperature
EWB : Entering Wet Bulb Temperature
T.CAP : Total Cooling Capacity
S.CAP : Sensible Cooling Capacity
PI : Power input

Note

Power input in this page should not be used for cable or breaker selection. MCA and MOP values in the electrical data page (40) should be referred for the same

Performance Data - IMP

Inlet Water Temp. 46°F - 10 Fins Per inch Cooling Coil

MODEL	ON COIL TEMP. (°F)		AFR (CFM)	3 ROWS				4 ROWS				6 ROWS			
	DB	WB		T. CAP (MBH)	S. CAP (MBH)	WFR (GPM)	WPD (ft H2O)	T. CAP (MBH)	S. CAP (MBH)	WFR (GPM)	WPD (ft H2O)	T. CAP (MBH)	S. CAP (MBH)	WFR (GPM)	WPD (ft H2O)
CM 15	76	63	1,404	25.0	22.4	5.0	1.4	33.2	27.9	6.6	2.8	45.6	35.5	9.1	6.6
	78	65		31.4	24.3	6.3	2.1	40.9	30.2	8.2	4.1	54.4	38.3	10.9	9.2
	80	67		38.3	26.3	7.7	3.1	48.8	32.6	9.8	5.8	63.7	41.1	12.7	12.3
	85	70		49.9	31.5	10.0	5.1	62.2	38.7	12.4	9.1	78.7	48.3	15.7	18.1
	76	63	1,560	26.6	24.1	5.3	1.5	35.7	30.2	7.1	3.2	49.0	38.6	9.8	7.5
	78	65		33.5	26.2	6.7	2.4	44.0	32.7	8.8	4.7	58.8	41.7	11.8	10.6
	80	67		41.0	28.3	8.2	3.5	52.7	35.2	10.5	6.6	68.9	44.8	13.8	14.2
	85	70		53.6	33.9	10.7	5.8	67.2	41.9	13.4	10.5	85.5	52.7	17.1	21.2
	76	63	1,716	28.1	25.7	5.6	1.7	38.2	32.3	7.6	3.6	52.6	41.7	10.5	8.6
	78	65		35.6	27.9	7.1	2.7	47.0	35.1	9.4	5.4	63.2	45.0	12.6	12.1
	80	67		43.7	30.2	8.7	3.9	56.6	37.8	11.3	7.6	74.3	48.4	14.9	16.3
	85	70		57.2	36.2	11.4	6.6	72.1	45.0	14.4	12.0	92.3	57.0	18.5	24.4
CM 20	76	63	1,800	35.6	30.0	7.1	2.9	45.9	37.0	9.2	5.6	60.9	46.5	12.2	12.6
	78	65		44.1	32.7	8.8	4.4	55.8	40.1	11.2	8.1	72.1	50.1	14.4	17.2
	80	67		53.2	35.2	10.6	6.2	66.3	43.2	13.3	11.2	84.2	53.8	16.8	22.9
	85	70		68.4	42.0	13.7	10.1	83.4	51.1	16.7	17.3	103.6	63.0	20.7	33.5
	76	63	2,000	38.0	32.4	7.6	3.3	49.4	40.1	9.9	6.5	65.7	50.7	13.1	14.4
	78	65		47.3	35.2	9.5	5.0	60.2	43.4	12.0	9.4	78.2	54.7	15.6	19.9
	80	67		57.1	38.0	11.4	7.2	71.6	46.8	14.3	13.0	91.4	58.7	18.3	26.6
	85	70		73.6	45.3	14.7	11.5	90.3	55.3	18.1	20.0	112.6	68.8	22.5	39.1
	76	63	2,200	40.5	34.5	8.1	3.7	52.7	43.0	10.5	7.3	70.5	54.7	14.1	16.5
	78	65		50.3	37.5	10.1	5.6	64.5	46.6	12.9	10.7	84.2	59.1	16.8	22.9
	80	67		60.9	40.6	12.2	8.1	76.9	50.2	15.4	14.8	98.5	63.4	19.7	30.6
	85	70		78.7	48.4	15.7	13.1	97.2	59.5	19.4	23.0	121.5	74.4	24.3	45.0
CM 24	76	63	2,138	38.9	34.4	7.8	1.5	51.4	42.7	10.3	3.1	70.0	54.3	14.0	7.0
	78	65		48.8	37.4	9.8	2.3	63.1	46.4	12.6	4.5	83.2	58.2	16.6	9.7
	80	67		59.4	40.4	11.9	3.4	75.4	50.0	15.1	6.3	97.7	62.9	19.5	13.0
	85	70		77.1	48.4	15.4	5.6	95.7	59.3	19.1	9.8	120.7	73.9	24.1	19.3
	76	63	2,375	41.4	37.0	8.3	1.7	55.3	46.2	11.1	3.5	75.4	59.1	15.1	8.0
	78	65		52.2	40.2	10.4	2.7	67.9	50.1	13.6	5.1	90.2	63.8	18.0	11.2
	80	67		63.6	43.5	12.7	3.9	81.3	54.1	16.3	7.2	105.8	68.6	21.2	15.1
	85	70		82.8	52.1	16.6	6.4	103.4	64.2	20.7	11.4	131.0	80.6	26.2	22.5
	76	63	2,613	44.0	39.5	8.8	1.9	59.1	49.6	11.8	4.0	81.0	63.8	16.2	9.2
	78	65		55.5	42.9	11.1	3.0	72.7	53.8	14.6	5.9	97.0	68.9	19.4	12.8
	80	67		67.7	46.4	13.5	4.4	87.2	58.0	17.4	8.2	114.0	74.1	22.8	17.4
	85	70		88.5	55.7	17.7	7.3	111.1	69.0	22.2	13.0	141.3	87.1	28.3	25.9
CM 30	76	63	2,754	44.3	42.1	8.9	0.7	61.1	53.0	12.2	1.5	86.1	68.2	17.2	3.6
	78	65		56.6	45.8	11.3	1.1	75.7	57.5	15.1	2.2	103.5	73.8	20.7	5.1
	80	67		69.8	49.6	14.0	1.7	91.3	62.1	18.3	3.2	121.1	79.1	24.2	6.8
	85	70		92.2	59.7	18.4	2.8	117.1	74.1	23.4	5.1	151.1	93.3	30.2	10.4
	76	63	3,060	47.1	45.3	9.4	0.8	65.4	57.3	13.1	1.7	92.7	74.3	18.5	4.1
	78	65		60.3	49.3	12.1	1.3	81.4	62.2	16.3	2.6	111.7	80.3	22.3	5.9
	80	67		74.6	53.4	14.9	1.9	98.4	67.2	19.7	3.7	131.5	86.3	26.3	8.0
	85	70		98.8	64.3	19.8	3.2	126.4	80.1	25.3	5.9	163.8	101.8	32.8	12.0
	76	63	3,366	49.7	48.3	9.9	0.9	69.8	61.4	14.0	1.9	99.4	80.2	19.9	4.7
	78	65		64.0	52.6	12.8	1.4	86.9	66.7	17.4	2.9	119.8	86.6	24.0	6.7
	80	67		79.3	56.9	15.9	2.1	105.2	72.0	21.0	4.2	141.5	93.2	28.3	9.2
	85	70		105.3	68.7	21.1	3.7	135.6	86.0	27.1	6.8	176.6	109.9	35.3	13.9
CM 38	76	63	3,411	61.7	54.7	12.3	1.4	81.8	68.1	16.4	2.8	111.4	86.5	22.3	6.5
	78	65		77.5	59.5	15.5	2.2	100.3	73.9	20.1	4.2	132.6	93.2	26.5	8.9
	80	67		94.4	64.3	18.9	3.2	119.9	79.6	24.0	5.8	155.6	100.3	31.1	12.0
	85	70		122.7	77.0	24.5	5.3	152.2	94.6	30.4	9.1	192.5	117.8	38.5	17.9
	76	63	3,790	65.6	58.8	13.1	1.6	87.7	73.6	17.5	3.2	120.1	94.3	24.0	7.4
	78	65		82.8	64.0	16.6	2.5	108.0	79.9	21.6	4.8	143.6	101.7	28.7	10.4
	80	67		101.0	69.2	20.2	3.6	129.4	86.2	25.9	6.7	168.5	109.3	33.7	14.0
	85	70		131.6	83.9	26.3	6.0	164.7	102.3	32.9	10.6	208.6	128.4	41.7	20.8
	76	63	4,169	69.6	62.8	13.9	1.8	93.9	79.0	18.8	3.7	128.9	101.7	25.8	8.5
	78	65		88.0	68.4	17.6	2.8	115.6	85.7	23.1	5.4	154.6	109.8	30.9	11.9
	80	67		107.6	73.9	21.5	4.1	138.8	92.5	27.8	7.7	181.7	118.1	36.3	16.1
	85	70		140.6	88.7	28.1	6.8	176.7	109.8	35.3	12.1	225.2	138.8	45.0	24.0

Inlet Water Temp. 46°F - 10 Fins Per inch Cooling Coil

MODEL	ON COIL TEMP. (°F)		AFR (CFM)	3 ROWS				4 ROWS				6 ROWS			
	DB	WB		T. CAP (MBH)	S. CAP (MBH)	WFR (GPM)	WPD (ft H2O)	T. CAP (MBH)	S. CAP (MBH)	WFR (GPM)	WPD (ft H2O)	T. CAP (MBH)	S. CAP (MBH)	WFR (GPM)	WPD (ft H2O)
CM 48	76	63	4,464	90.2	75.2	18.0	3.3	115.5	92.6	23.1	6.1	151.8	115.7	30.4	13.2
	78	65		111.5	81.7	22.3	4.9	140.2	100.2	28.0	8.8	180.4	124.9	36.1	18.1
	80	67		134.2	88.2	26.8	6.9	166.2	107.9	33.2	12.1	210.3	134.0	42.1	24.1
	85	70		172.0	105.0	34.4	11.1	208.9	127.5	41.8	18.6	258.2	156.9	51.6	35.2
	76	63	4,960	96.5	81.0	19.3	3.7	124.4	100.2	24.9	7.0	164.2	126.3	32.8	15.2
	78	65		119.5	88.0	23.9	5.5	151.3	108.5	30.3	10.2	195.5	136.2	39.1	21.0
	80	67		144.0	95.0	28.8	7.9	179.7	116.9	35.9	14.0	228.1	146.2	45.6	28.0
	85	70		185.3	113.3	37.1	12.8	226.4	138.1	45.3	21.7	280.6	171.3	56.1	41.1
	76	63	5,456	102.5	86.5	20.5	4.2	133.2	107.4	26.6	8.0	176.5	136.5	35.3	17.4
	78	65		127.4	94.0	25.5	6.3	162.2	116.4	32.4	11.6	210.4	147.2	42.1	24.1
	80	67		153.7	101.5	30.7	9.0	192.9	125.4	38.6	16.0	246.0	158.0	49.2	32.2
	85	70		198.1	121.1	39.6	14.5	243.5	148.5	48.7	24.9	303.3	185.2	60.7	47.5
CM 60	76	63	5,400	102.9	88.6	20.6	2.0	134.2	109.8	26.8	3.9	180.1	138.5	36.0	8.6
	78	65		128.3	96.4	25.7	3.0	163.9	119.0	32.8	5.6	214.5	149.5	42.9	11.9
	80	67		155.3	104.1	31.1	4.3	195.0	128.2	39.0	7.8	250.2	160.4	50.0	15.8
	85	70		200.6	124.4	40.1	7.1	246.4	151.8	49.3	12.1	308.3	188.1	61.7	23.3
	76	63	6,000	109.7	95.4	21.9	2.2	144.3	118.7	28.9	4.4	194.1	150.8	38.8	9.9
	78	65		137.3	103.8	27.5	3.4	176.6	128.7	35.3	6.5	231.7	162.9	46.3	13.7
	80	67		166.5	112.1	33.3	5.0	210.7	138.8	42.1	9.0	271.2	174.8	54.2	18.4
	85	70		215.6	134.1	43.1	8.1	266.9	164.5	53.4	14.1	334.8	205.3	67.0	27.2
	76	63	6,600	116.5	101.9	23.3	2.5	154.1	127.4	30.8	5.0	208.6	163.1	41.7	11.3
	78	65		146.1	110.8	29.2	3.9	189.2	138.2	37.8	7.4	249.5	176.1	49.9	15.7
	80	67		177.4	119.8	35.5	5.6	225.8	148.9	45.2	10.3	292.3	188.9	58.5	21.1
	85	70		230.4	143.3	46.1	9.2	286.6	176.6	57.3	16.1	361.5	222.0	72.3	31.4
CM 75	76	63	6,750	139.2	114.8	27.8	3.9	177.0	140.9	35.4	7.2	231.9	175.9	46.4	15.4
	78	65		171.7	124.7	34.3	5.8	214.4	152.6	42.9	10.3	274.9	189.8	55.0	21.0
	80	67		205.9	134.5	41.2	8.1	254.2	164.2	50.8	14.1	319.9	203.5	64.0	27.9
	85	70		263.4	160.1	52.7	12.9	318.6	193.9	63.7	21.6	392.4	238.1	78.5	40.7
	76	63	7,500	148.9	123.7	29.8	4.4	190.7	152.5	38.1	8.3	250.2	191.8	50.0	17.7
	78	65		184.0	134.3	36.8	6.6	231.8	165.1	46.4	11.9	297.4	206.9	59.5	24.3
	80	67		221.2	145.0	44.2	9.3	275.1	178.3	55.0	16.4	347.0	221.9	69.4	32.4
	85	70		283.5	172.6	56.7	14.9	345.3	210.0	69.1	25.2	426.6	259.9	85.3	47.5
	76	63	8,250	158.5	132.2	31.7	4.9	204.3	163.7	40.9	9.4	268.9	207.2	53.8	20.2
	78	65		196.1	143.6	39.2	7.4	248.3	177.2	49.7	13.5	320.6	223.6	64.1	28.0
	80	67		236.3	155.0	47.3	10.5	295.1	190.8	59.0	18.7	374.4	239.9	74.9	37.3
	85	70		303.4	184.6	60.7	16.9	371.4	225.7	74.3	28.9	460.8	281.0	92.2	54.9
CM 96	76	63	9,000	185.6	153.0	37.1	3.9	236.0	187.9	47.2	7.2	309.1	234.6	61.8	15.4
	78	65		228.9	166.3	45.8	5.8	285.9	203.4	57.2	10.3	366.4	253.0	73.3	21.0
	80	67		274.6	179.4	54.9	8.1	338.9	219.0	67.8	14.1	426.4	271.3	85.3	27.8
	85	70		351.1	213.4	70.2	12.9	424.9	258.6	85.0	21.6	523.2	317.5	104.6	40.7
	76	63	10,000	198.5	165.0	39.7	4.4	254.3	203.3	50.9	8.3	333.6	255.8	66.7	17.7
	78	65		245.3	179.1	49.1	6.6	309.1	220.2	61.8	11.9	396.5	275.7	79.3	24.3
	80	67		294.9	193.3	59.0	9.3	366.8	237.8	73.4	16.4	462.6	295.8	92.5	32.4
	85	70		378.0	230.1	75.6	14.9	460.4	280.1	92.1	25.2	568.8	346.5	113.8	47.5
	76	63	11,000	211.4	176.3	42.3	4.9	272.4	218.2	54.5	9.4	358.6	276.3	71.7	20.2
	78	65		261.5	191.5	52.3	7.4	331.1	236.2	66.2	13.5	427.5	298.1	85.5	28.0
	80	67		315.0	206.6	63.0	10.5	393.4	254.5	78.7	18.7	499.2	319.9	99.8	37.3
	85	70		404.6	246.1	80.9	16.9	495.2	301.0	99.0	28.9	614.4	374.7	122.9	54.9

Legend

AFR : Air Flow Rate
EDB : Entering Dry Bulb Temperature
EWB : Entering Wet Bulb Temperature
T.CAP : Total Cooling Capacity
S.CAP : Sensible Cooling Capacity
PI : Power input

Note

Power input in this page should not be used for cable or breaker selection. MCA and MOP values in the electrical data page (40) should be referred for the same

Coil Data

Horizontal Construction (Standard) - SI

MODEL	FACE VELOCITY (MPS)											STANDARD COIL DIMENSIONS (mm)			Coil Face Area (m^2)
	2.00	2.10	2.20	2.25	2.38	2.50	2.63	2.70	2.75	2.88	300				
	AIR FLOW RATE (L/s)											No.	Width	Height	
CM 15	590	620	649	664	700	738	774	797	811	848	885	1	635	457	0.29
CM 20	755	793	831	849	897	944	991	1,019	1,038	1,085	1,133	1	813	457	0.37
CM 24	897	941	986	1,009	1,065	1,121	1,177	1,210	1,233	1,289	1,345	1	965	457	0.44
CM 30	1,156	1,214	1,272	1,301	1,373	1,445	1,518	1,561	1,590	1,662	1,734	1	1067	533	0.56
CM 38	1,431	1,503	1,575	1,611	1,700	1,789	1,879	1,932	1,968	2,058	2,147	1	1321	533	0.70
CM 48	1,872	1,966	2,059	2,106	2,223	2,340	2,457	2,527	2,574	2,691	2,808	1	1727	533	0.92
CM 60	2,281	2,395	2,509	2,566	2,709	2,851	2,994	3,079	3,136	3,279	3,421	1	1473	762	1.12
CM 75	2,831	2,973	3,115	3,185	3,362	3,539	3,716	3,822	3,893	4,070	4,247	1	1829	762	1.39
CM 96	3,775	3,964	4,153	4,247	4,483	4,719	4,955	5,097	5,191	5,427	5,663	1	1829	1016	1.85

Horizontal Construction (Standard) - IMP

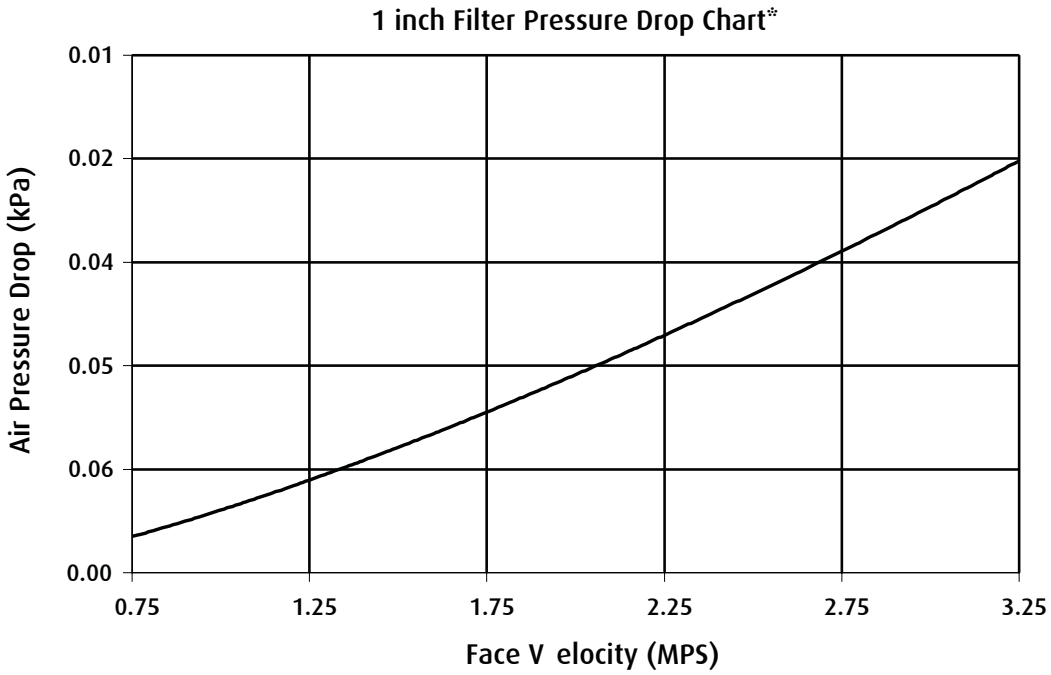
MODEL	FACE VELOCITY (MPS)											STANDARD COIL DIMENSIONS (Inch)			Coil Face Area (ft^2)
	400	420	440	450	475	500	525	540	550	575	600				
	AIR FLOW RATE (CFM)											No.	Width	Height	
CM 15	1,250	1,313	1,375	1,406	1,484	1,563	1,641	1,688	1,719	1,797	1,875	1	25	18	3.13
CM 20	1,600	1,680	1,760	1,800	1,900	2,000	2,100	2,160	2,200	2,300	2,400	1	32	18	4.00
CM 24	1,900	1,995	2,090	2,138	2,256	2,375	2,494	2,565	2,613	2,731	2,850	1	38	18	4.75
CM 30	2,450	2,573	2,695	2,756	2,909	3,063	3,216	3,308	3,369	3,522	3,675	1	42	21	6.13
CM 38	3,033	3,185	3,337	3,413	3,602	3,792	3,981	4,095	4,171	4,360	4,550	1	52	21	7.58
CM 48	3,967	4,165	4,363	4,463	4,710	4,958	5,206	5,355	5,454	5,702	5,950	1	68	21	9.92
CM 60	4,833	5,075	5,317	5,438	5,740	6,042	6,344	6,525	6,646	6,948	7,250	1	58	30	12.08
CM 75	6,000	6,300	6,600	6,750	7,125	7,500	7,875	8,100	8,250	8,625	9,000	1	72	30	15.00
CM 96	8,000	8,400	8,800	9,000	9,500	10,000	10,500	10,800	11,000	11,500	12,000	1	72	40	20.00

Standard Coil Connection Size

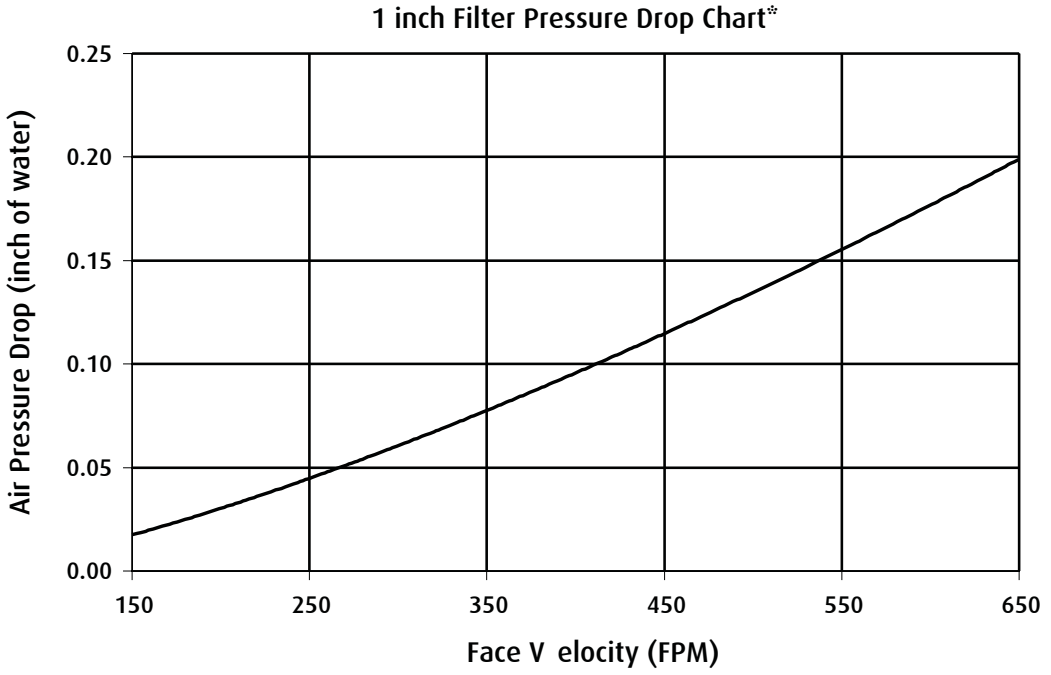
MODEL	STANDARD COIL CONNECTION SIZE (mm)				
	No. of Rows				
	2	3	4	6	8
CM 15	3/4	1	1	1 1/4	1 1/4
CM 20	3/4	1	1	1 1/4	1 1/4
CM 24	3/4	1	1	1 1/4	1 1/2
CM 30	1	1	1 1/4	1 1/2	1 1/2
CM 38	1	1	1 1/4	1 1/2	1 1/2
CM 48	1	1 1/4	1 1/2	2	2
CM 60	1 1/4	1 1/2	2	2	2
CM 75	1 1/4	1 1/2	2	2	2 1/2
CM 96	1 1/4	2	2	2 1/2	2 1/2

Filters Pressure Drop Chart

IMP



SI



Note

- The filter area is the same as the coil area
- The above data is for nominal flat filter

Filters Cell Dimensions

SI

MODEL	Filter Dimension (mm)	Number of Cells
CM 15	406 x 508	2
CM 20	508 x 508	2
CM 24	(508 x 609) + (508 x 508)	1+1
CM 30	609 x 609	2
CM 38	508 x 609	3
CM 48	609 x 609	3
CM 60	508 x 406	6
CM 75	(406 x 635) + (406 x 508)	4+2
CM 96	(508 x 508) + (406 x 508)	6+2

IMP

MODEL	Filter Dimension (mm)	Number of Cells
CM 15	16 x 20	2
CM 20	20 x 20	2
CM 24	(20 x 24) + (20 x 20)	1+1
CM 30	24 x 24	2
CM 38	20 x 24	3
CM 48	24 x 24	3
CM 60	20 x 16	6
CM 75	(16 x 25) + (16 x 20)	4+2
CM 96	(20 x 20) + (16 x 20)	6+2

Sound Data

MODEL	Position	FACE VELOCITY (MPS)								
		Band Frequency (Hz)								
		63	125	250	500	1000	2000	4000	8000	Total
CM 15	**Discharge**	48	62	62	68	69	67	65	58	75
	Return	42	58	59	65	68	65	64	57	73
CM 20	**Discharge**	47	62	62	70	72	70	69	63	77
	Return	44	59	59	67	71	69	68	62	76
CM 24	**Discharge**	49	64	65	72	75	73	73	67	80
	Return	43	60	62	69	73	72	72	66	79
CM 30	**Discharge**	54	66	65	71	74	72	70	63	79
	Return	49	62	62	68	72	70	69	62	77
CM 38	**Discharge**	58	69	69	75	78	76	75	69	83
	Return	53	66	66	72	76	74	74	69	81
CM 48	**Discharge**	53	67	68	75	78	76	76	71	83
	Return	46	63	65	72	76	75	75	70	82
CM 60	**Discharge**	59	66	72	77	78	77	75	67	83
	Return	55	63	69	75	76	76	74	67	82
CM 75	**Discharge**	59	67	74	81	81	80	79	72	87
	Return	55	64	71	78	79	79	78	72	86
CM 96	**Discharge**	61	69	76	79	81	80	79	74	87
	Return	58	67	74	78	81	80	79	75	86

Standard Units Motor Power Ratings

MODEL	Face Velocity		Air Flow Rate		3 Rows			4 Rows			6 Rows		
					External Pressure Drop kPa (Inch of water)								
	MPS	FPM	L/s	(CFM)	0.124 (0.50)	0.186 (0.75)	0.249 (1.00)	0.124 (0.50)	0.186 (0.75)	0.249 (1.00)	0.124 (0.50)	0.186 (0.75)	0.249 (1.00)
CM 15	2.3	450	663	1,400	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
	2.5	500	736	1,560	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
	2.8	550	810	1,716	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.8
CM 20	2.3	450	850	1,800	0.6	0.6	0.8	0.6	0.6	0.8	0.6	0.8	0.8
	2.5	500	943	2,000	0.6	0.6	0.8	0.6	0.8	0.8	0.6	0.8	1.1
	2.8	550	1,038	2,200	0.6	0.8	1.1	0.6	0.8	1.1	0.8	1.1	1.1
CM 24	2.3	450	1,009	2,138	0.6	0.6	0.8	0.6	0.6	1.1	0.6	0.8	1.1
	2.5	500	1,121	2,376	0.6	0.8	0.8	0.6	0.8	1.1	0.8	0.8	1.1
	2.8	550	1,233	2,613	0.6	0.8	1.1	0.8	1.1	1.1	0.8	1.1	1.1
CM 30	2.3	450	1,300	2,755	0.6	0.8	1.1	0.6	0.8	1.1	0.8	0.8	1.1
	2.5	500	1,444	3,060	0.8	1.1	1.1	0.8	1.1	1.1	0.8	1.1	1.1
	2.8	550	1,588	3,365	0.8	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.5
CM 38	2.3	450	1,610	3,411	1.1	1.1	1.5	1.1	1.5	1.5	1.1	1.5	1.5
	2.5	500	1,789	3,790	1.5	1.5	2.2	1.5	1.5	2.2	1.5	1.5	2.2
	2.8	550	1,967	4,168	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
CM 48	2.3	450	2,107	4,465	1.5	1.5	2.2	1.5	1.5	2.2	1.5	2.2	2.2
	2.5	500	2,341	4,960	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	3.0
	2.8	550	2,575	5,456	2.2	2.2	3.0	2.2	3.0	3.0	2.2	3.0	3.0
CM 60	2.3	450	2,548	5,400	1.1	1.5	2.2	1.5	1.5	2.2	1.5	2.2	2.2
	2.5	500	2,831	6,000	1.5	2.2	2.2	1.5	2.2	2.2	2.2	2.2	2.2
	2.8	550	3,115	6,600	2.2	2.2	2.2	2.2	2.2	3.0	2.2	2.2	3.0
CM 75	2.3	450	3,185	6,750	2.2	2.2	2.2	2.2	2.2	3.0	2.2	2.2	2.2
	2.5	500	3,539	7,500	2.2	3.0	3.0	2.2	3.0	3.0	2.2	3.0	3.0
	2.8	550	3,893	8,250	3.0	3.0	4.0	3.0	3.0	4.0	3.0	3.0	4.0
CM 96	2.3	450	4,247	9,000	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
	2.5	500	4,719	10,000	4.0	4.0	4.0	4.0	4.0	5.5	4.0	4.0	5.5
	2.8	550	5,191	11,000	4.0	5.5	5.5	4.0	5.5	5.5	5.5	5.5	5.5

Electrical Data

MODEL	Power Supply [Volt/Ph/Hz]	SUPPLY FAN			MCA	MOP
		No.	kW	FLA		
CM 15	380-420/3/50	1	0.55	1.7	2.1	15
	230/3/60	1	0.55	2.6	3.3	15
	380/3/60	1	0.55	1.5	1.9	15
CM 20	380-420/3/50	1	0.55	1.7	2.1	15
	230/3/60	1	0.55	2.6	3.3	15
	380/3/60	1	0.55	1.5	1.9	15
CM 24	380-420/3/50	1	0.75	2.1	2.6	15
	230/3/60	1	0.75	3.1	3.9	15
	380/3/60	1	0.75	1.9	2.4	15
CM 30	380-420/3/50	1	1.10	2.5	3.1	15
	230/3/60	1	1.10	4.3	5.4	15
	380/3/60	1	1.10	2.6	3.3	15
CM 38	380-420/3/50	1	1.50	3.4	4.3	15
	230/3/60	1	1.50	5.7	7.1	15
	380/3/60	1	1.50	3.4	4.3	15
CM 48	380-420/3/50	1	1.50	3.4	4.3	15
	230/3/60	1	1.50	5.7	7.1	15
	380/3/60	1	1.50	3.4	4.3	15
CM 60	380-420/3/50	1	2.20	5.0	6.3	15
	230/3/60	1	2.20	8.1	10.1	15
	380/3/60	1	2.20	4.9	6.1	15
CM 75	380-420/3/50	1	4.00	8.6	10.8	15
	230/3/60	1	4.00	14.4	18.0	30
	380/3/60	1	4.00	8.5	10.6	15
CM 96	380-420/3/50	1	4.00	8.6	10.8	15
	230/3/60	1	4.00	14.4	18.0	30
	380/3/60	1	4.00	8.5	10.6	15