DC CATALOG

Fan Coil Unit
SI/IMP

www.petra-eng.com

Quality HVAC Equipment

Fan Coil Units
With Chilled Water Coil for Applications with medium Static Pressure

283 - 1,416 Nominal L/s
(600 - 3,000 Nominal CFM)

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

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 ISO14001:2015 environmental management system. Also, all Petra's major products are UL and ETL listed. Petra's fan coil units are rated and certified in compliance to standard AHRI 410 & AHRI 440

Petra's fan coil units (DC Series) are designed for applications with medium static pressure. The units are particularly suitable for concealed or exposed ceiling or floor applications with ducted air

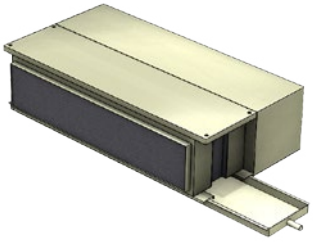
This series covers an airflow range from 283 to 1,416 L/s (600 to 3,000 CFM). The standard unit is comprised of a coil suitable for both chilled and hot water, a fan section with direct drive centrifugal fan and a flat filter distribution

Low water flow rate units are available with 9.8oC (16oF) temperature difference between inlet & outlet water

Unit Types

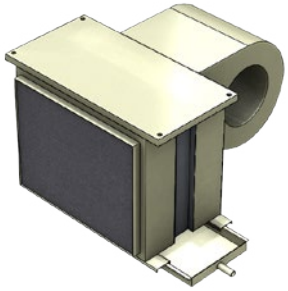
Ceiling Basic Model with Plenum (DCP)

DCP models are designed for concealed ceiling installation above false ceiling with ducted supply air distribution and free return of air above the false ceiling. The plenum encloses the fan section of the basic unit. Units of this type consist of a coil, fan and flat filter



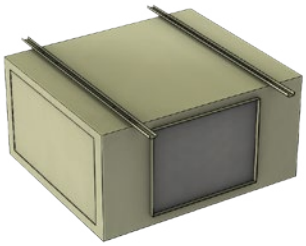
Ceiling Basic Model (DCB) - Optional

DCB models are designed for concealed ceiling installation above false ceiling with ducted supply air distribution and free return of air above the false ceiling. Units of this type consist of a coil and fan without a return plenum or filter



Ceiling Cabinet Model (DCC) - Optional

Enclosed version of the DCB model with a cabinet for ceiling installation either above the false ceiling or exposed. Cabinet is fabricated from heavy gauge galvanized steel with removable panels. This model is supplied with a return and supply duct connection and consists of a coil, fan and filter (bottom withdrawal type)



Vertical Cabinet Model (DCV) - Optional

Enclosed version of the DCB model with a cabinet for floor mounting with vertical air discharge and front return air. Cabinet is fabricated from heavy gauge galvanized steel with removable panels. This model is supplied with return and supply duct connections and consists of a coil, fan and flat filter (front withdrawal type)

Nomenclature

DC ⇣ **Series**
Ducted Fan Coil Unit [Medium Static]

P ⇣ **Type**
P : Ceiling Basic with Plenum
B : Ceiling Basic without Plenum
C : Ceiling with Cabinet
V : Floor Vertical Discharge

6 ⇣ **Nominal Air Flow Rate**

6 : 600 CFM	16 : 1,600 CFM
8 : 800 CFM	18 : 1,800 CFM
10 : 1,000 CFM	20 : 2,000 CFM
11 : 1,100 CFM	22 : 2,200 CFM
12 : 1,200 CFM	24 : 2,400 CFM
14 : 1,400 CFM	30 : 3,000 CFM

C/H ⇣ **Application**
C: Cooling Coil
C/H: Cooling / Heating Coil

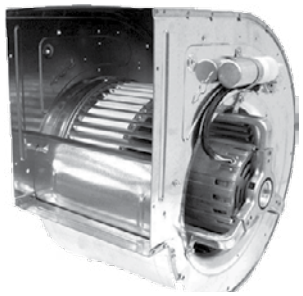
Standard Features & Benefits

Cooling Coils

- Coils are constructed of copper tubes, 9.5 mm (3/8 inch) in diameter, mechanically expanded into aluminum fins
- Coil fins are spaced at 472 fins per meter (12 fins per inch) for 3-rows cooling applications
- All coils are tested for leakage at 3,100 kPa (450 Psi) air pressure and suitable for up to 2,410 kPa (350 Psi) working pressure (with manual air vent, piped to the drain pan)
- Inlet & outlet headers are made from wall seamless copper tubing
- Headers have die formed collars to provide a strong durable brazing joint

Fans & Motors

- Forward curved centrifugal fans of the double inlet type that designed for maximum efficiency and uniform air distribution
- Fans are statically and dynamically balanced to ensure quiet operation and optimal performance
- All fans are of the direct- drive type
- Fans are 3-speed and driven by permanent split capacitor electric motors (with internal thermal protection)

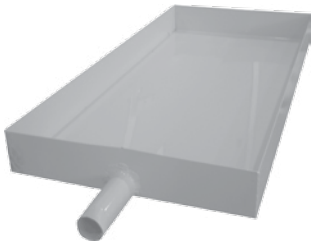


Filters

- A 25 mm (1 inch) nominal thickness, 22.2 mm (7/8 inch) thick actual frame size with 15.8 mm (5/8 inch) thick aluminum media flat filter
- Average dust weight arrestance of 72%
- Flexibility in shaped flow resistance

Drain Pan

- Painted galvanized steel drain pan
- Insulated 1/8 closed cell foam on its underside to prevent condensation



Outstanding Finishing

- All units are constructed of heavy gauge galvanized steel without paint
- All units are internally lined with 15 mm (0.6 inch fiberglass insulation for the coil and fan section

Optional Features

Construction

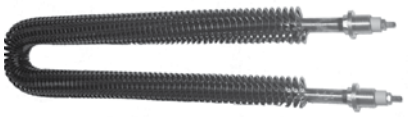
- Stainless steel drain pan
- Double skin with solid or perforated inner skin (for DCP models only)
- Auxiliary drain pan under 3-way valves
- Pleated / synthetic media filter
- Unit's casing for none decorative units is coated with weatherproof, polyester powder electrostatic paint, oven-baked to ensure maximum gloss and hardness
- Supply grills
- Ducted return air unit with bottom or side withdrawal filter (for DCP models only)

Water Piping Accessories

- Shut-off valve (loose item or built in the unit)
- 4-pipe system units have a double coil (3-rows cooling + 1-row heating)
- 3-way valve (loose item or built in the unit)

Electric Heaters

- Built-in electric heaters with the following features:
  1. Finned tube electric heating element
  2. Automatic thermal safety
- Optional components for built-in electric heaters are available:
  1. Manual thermal safety cutout
  2. Conductor (one normally open contactor)
- All heaters are single stage
- All heaters are available in 208 or 230V / 1Ph / 50 or 60 Hz power supply



EC- Fan Motor Technology

- High Efficiency Electronically Commutated (EC) motors are designed to offer greater efficiency than the traditional Permanent Split Capacitor (PSC) motors
- EC fan motors can run at partial loads in energy saving mode and are unaffected by voltage fluctuations
- EC fan motors consume up to 30% less energy than conventional fan/motor assemblies and provide variable speed control

Controllers

- Manual Room Thermostat includes a three-speed switch (wall mounted, loose item)

- Digital Room Thermostat (wall mounted, loose item)

- Three-Speed Switch (wall mounted, loose item)

Physical Data - SI

		6	8	10	11	12	14	16	18	20	22	24	30
Construction													
Unit casing		Heavy gauge galvanized steel without paint											
Insulation		12.5 mm thick fiberglass or equivalent											
Cooling coil													
Type		Copper tubes, Aluminum fins											
Fins per meter		472											
No of rows - Cooling		3											
Total face area	m^2	0.20	0.20	0.20	0.20	0.34	0.34	0.34	0.43	0.43	0.43	0.58	0.72
Tube diameter	mm	9.5											
Max water inlet pressure	kPa	1,380											
Supply fan													
Type		DWDI forward curved centrifugal											
Qty		1	1	1	1	2	2	2	2	2	2	3	4
Transmission		Direct drive											
Total air flow (nominal)	L/s	220	275	334	415	436	529	586	639	687	761	832	1,256
Supply fan motor													
Type		Split capacitor (three speed)											
Qty		1	1	1	1	2	2	2	2	2	2	3	4
Nominal motor rating (each)	kW	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2
Connections													
Coil connection (standard)	mm	19	19	19	19	19	19	19	25	25	25	31	31
Coil connection (with 3 way valve)	mm	19	19	19	19	19	19	19	25	25	25	25	25
Drain connection	mm	22											
Electric Heater													
Max. capacity	kW	3	4	6	6	6	8	10	10	12	12	15	15
Air filter													
Type		Aluminum mesh flat filter											
Thickness (nominal)	mm	25											
Weights													
Ceiling basic with plenum (DCP)	kg	42	42	42	44	64	64	64	73	73	77	92	114
Ceiling basic (DCB)	kg	25	25	25	27	49	49	49	63	63	67	91	114
Ceiling cabinet (DCC)	kg	50	50	50	52	74	74	74	88	88	92	137	152
Vertical cabinet (DCV)	kg	40	40	40	42	64	64	64	78	78	82	98	122

Note

- Physical data tables are for DCP fan coil unit, for other DC types physical data, please contact your nearest Petra sales office
- For sound power levels, please refer to sound data section

Physical Data - IMP

		6	8	10	11	12	14	16	18	20	22	24	30
Construction													
Unit casing		Heavy gauge galvanized steel without paint											
Insulation		0.5 Inch thick fiberglass or equivalent											
Cooling coil													
Type		Copper tubes, Aluminum fins											
Fins per Inch		12											
No of rows - Cooling		3											
Total face area	ft²	2.2	2.2	2.2	2.2	3.7	3.7	3.7	4.7	4.7	4.7	6.3	7.8
Tube diameter	Inch	3/8											
Max water inlet pressure	psi	200											
Supply fan													
Type		DWDI forward curved centrifugal											
Qty		1	1	1	1	2	2	2	2	2	2	3	4
Transmission		Direct drive											
Total air flow (nominal)	CFM	467	583	707	880	924	1,122	1,242	1,345	1,456	1,612	1,764	2,662
Supply fan motor													
Type		Split capacitor (three speed)											
Qty		1	1	1	1	2	2	2	2	2	2	3	4
Nominal motor rating (each)	HP	1/4	1/4	1/4	2/5	1/4	1/4	1/4	1/4	1/4	2/5	1/4	1/4
Connections													
Coil connection (standard)	Inch	3/4	3/4	3/4	3/4	3/4	3/4	3/4	1	1	1	1 1/4	1 1/4
Coil connection (with 3 way valve)	Inch	3/4	3/4	3/4	3/4	3/4	3/4	3/4	1	1	1	1	1
Drain connection	Inch	7/8											
Electric Heater													
Max. capacity	kW	3	4	6	6	6	8	10	10	12	12	15	15
Air filter													
Type		Aluminum mesh flat filter											
Thickness (nominal)	Inch	1											
Weights													
Ceiling basic with plenum (DCP)	lb	93	93	93	97	141	141	141	161	161	170	203	252
Ceiling basic (DCB)	lb	55	55	55	60	108	108	108	139	139	148	201	251
Ceiling cabinet (DCC)	lb	110	110	110	115	163	163	163	19 4	194	203	302	335
Vertical cabinet (DCV)	lb	88	88	88	93	141	141	141	172	172	181	216	269

Note

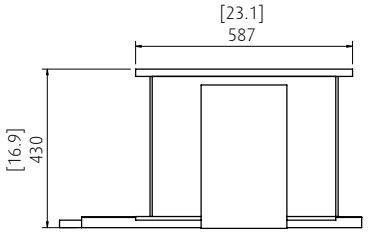
- Physical data tables are for DCP fan coil unit, for other DC types physical data, please contact your nearest Petra sales office
- For sound power levels, please refer to sound data section

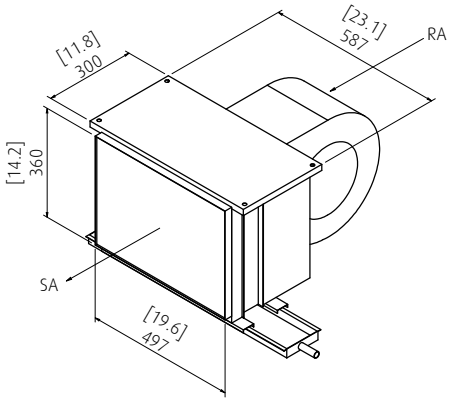
Model Layout

Ceiling Basic Plenum Models (DCB)

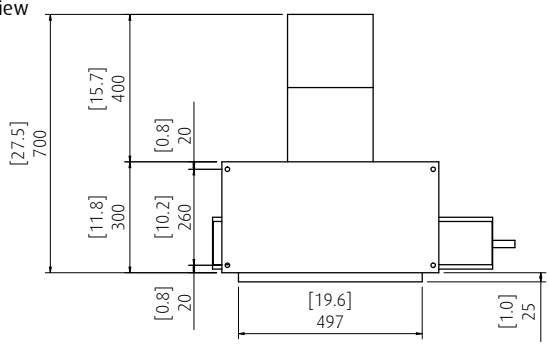
Model
DCB 6
DCB 8
DCB 10
DCB 11

Back View

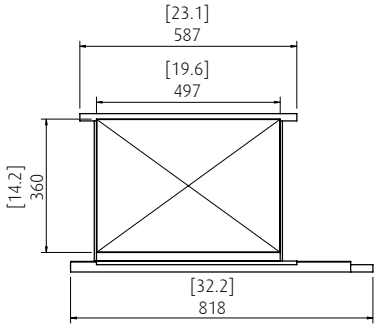




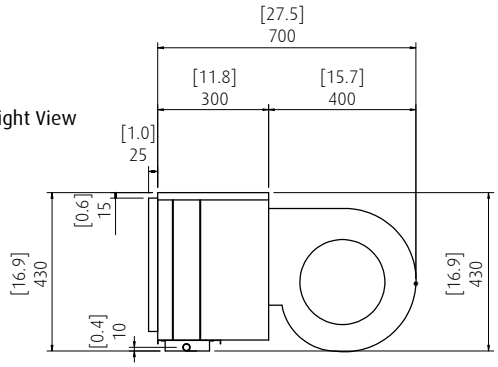
Top View



Front View



Right View



Legend

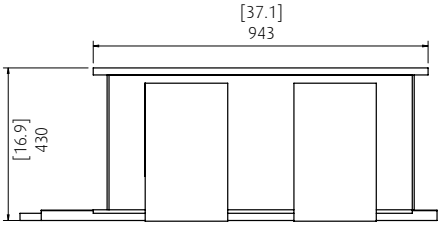
- SA: Supply Air
- RA: Return Air

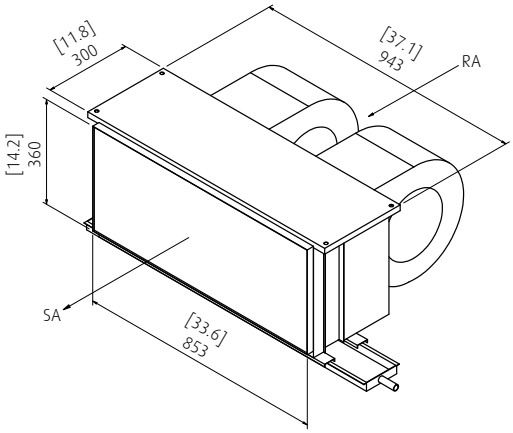
All dimension are in mm [inch]

Ceiling Basic Plenum Models (DCB)

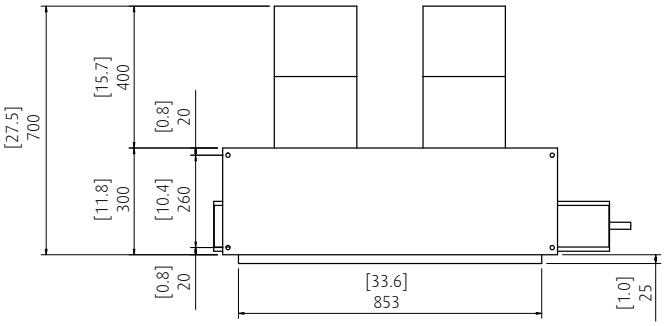
Model
DCB 12
DCB 14
DCB 16

Back View

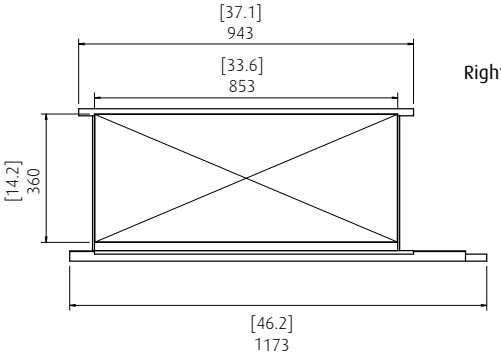




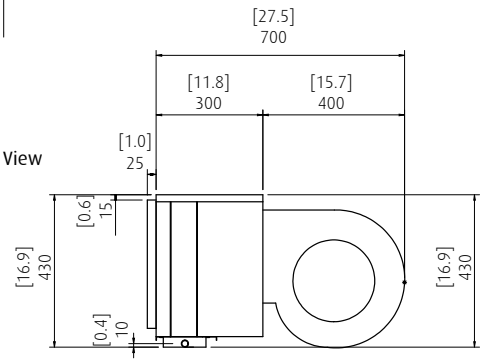
Top View



Front View



Right View



Legend

- SA: Supply Air
- RA: Return Air

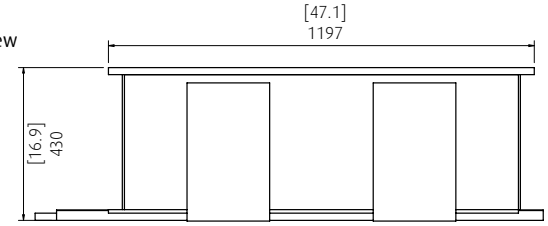
All dimension are in mm [inch]

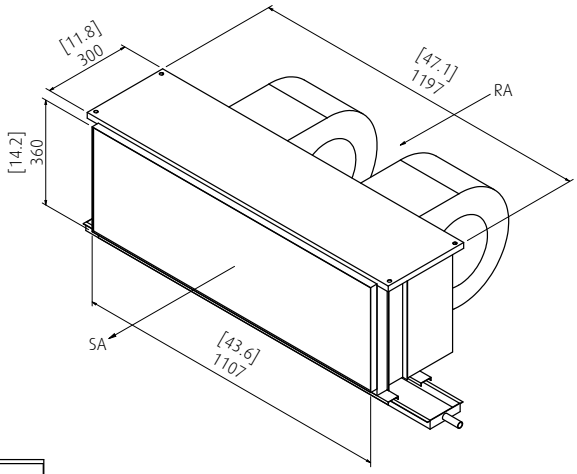
Model Layout

Ceiling Basic Plenum Models (DCB)

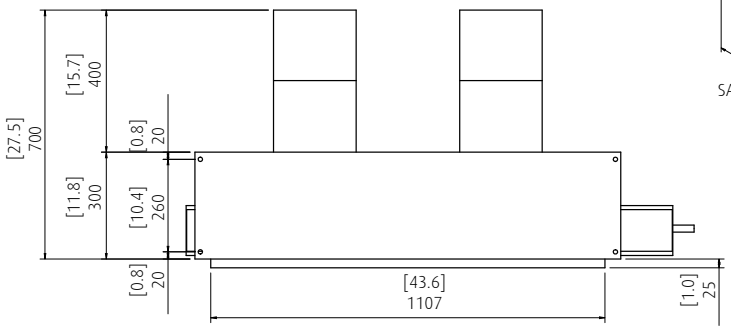
Model
DCB 18
DCB 20
DCB 22

Back View

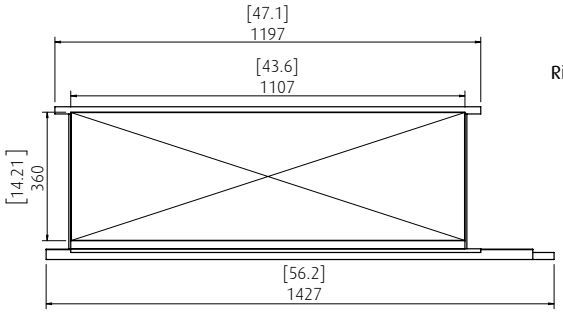




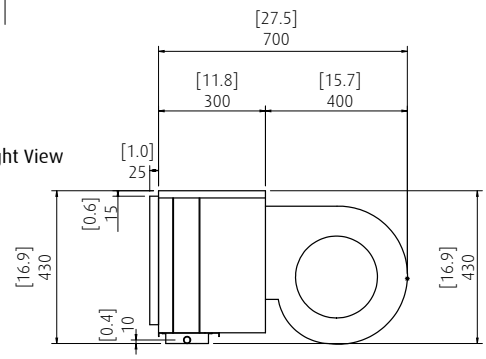
Top View



Front View



Right View



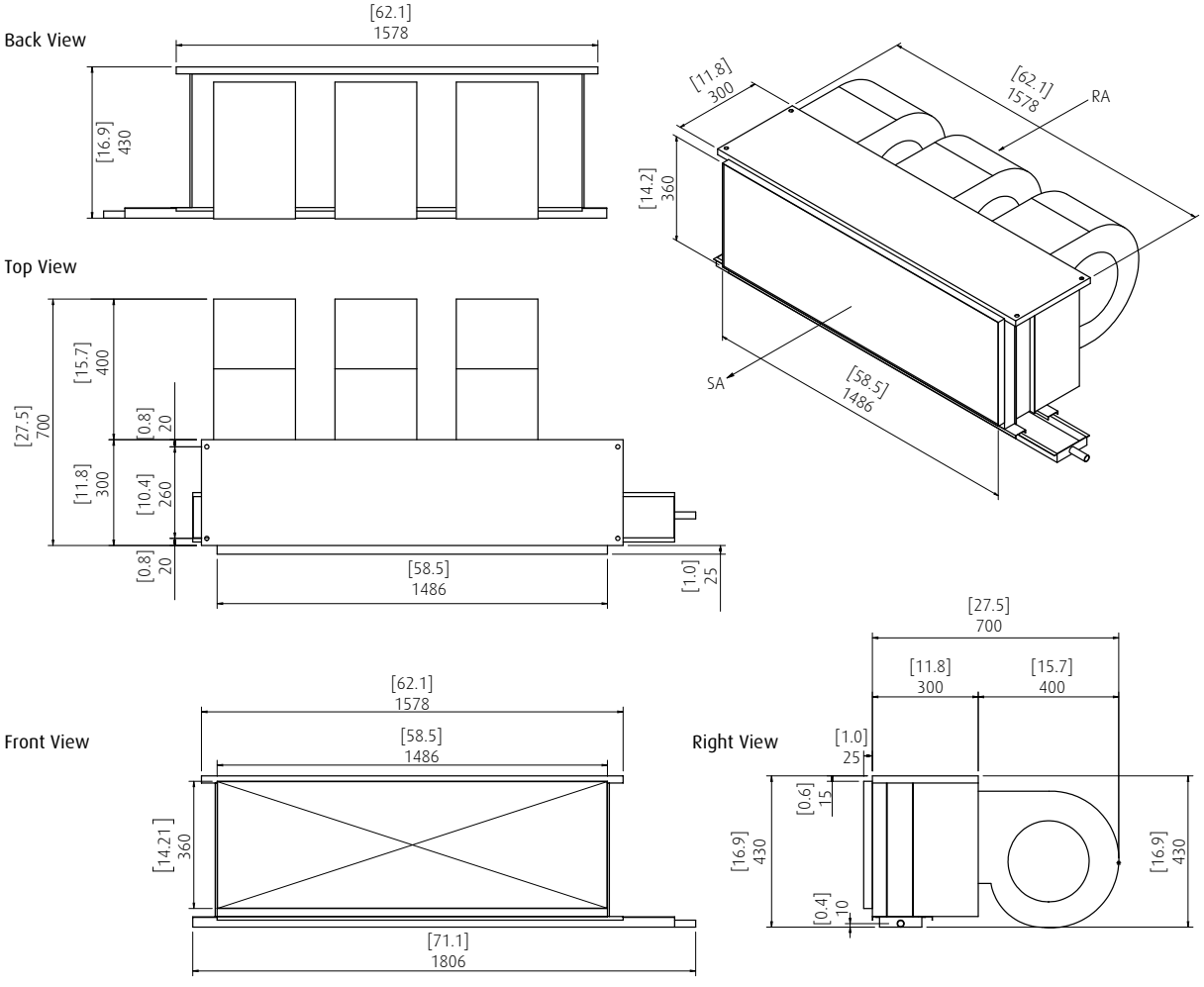
Legend

- SA: Supply Air
- RA: Return Air

All dimension are in mm [inch]

Ceiling Basic Plenum Models (DCB)

Model
DCB 24



Legend

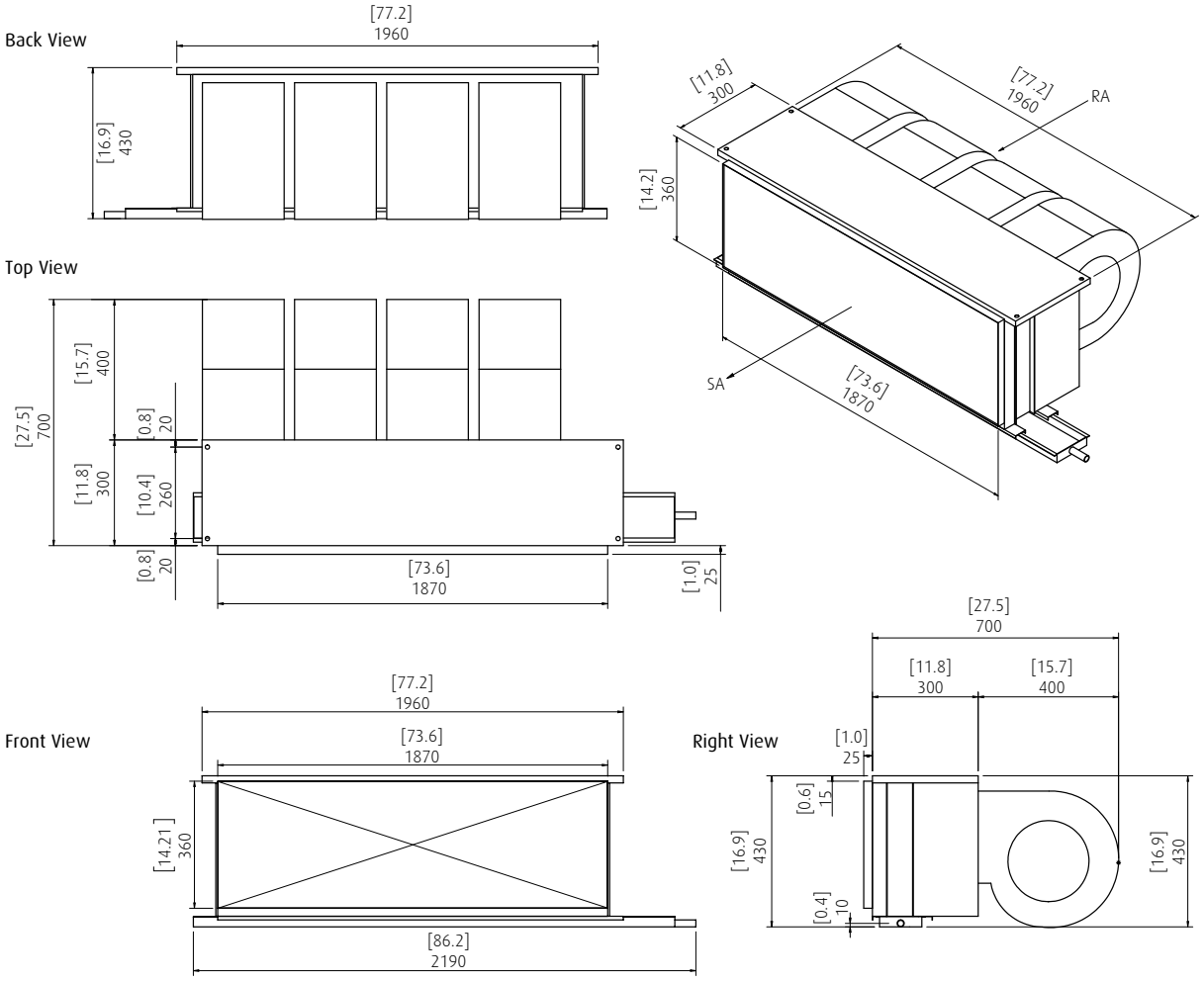
- SA: Supply Air
- RA: Return Air

All dimension are in mm [inch]

Model Layout

Ceiling Basic Plenum Models (DCB)

Model
DCB 30



Legend

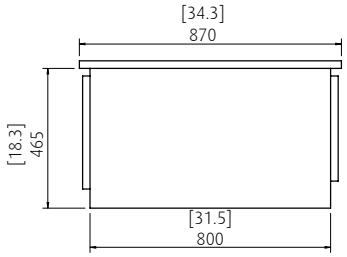
- SA: Supply Air
- RA: Return Air

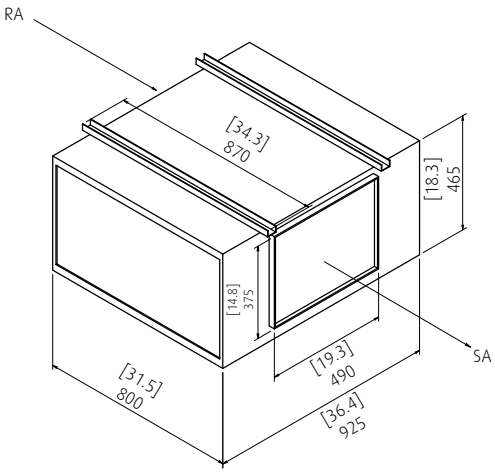
All dimension are in mm [inch]

Ceiling Basic Plenum Models (DCC)

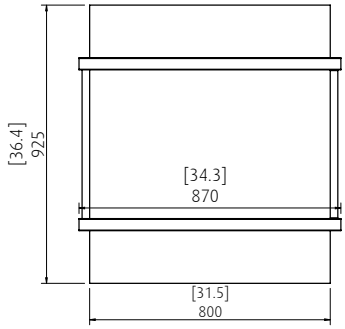
Model
DCC 6
DCC 8
DCC 10
DCC 11

Back View

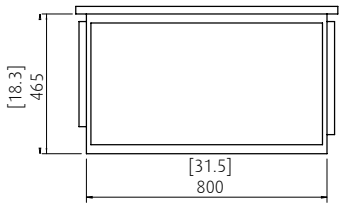




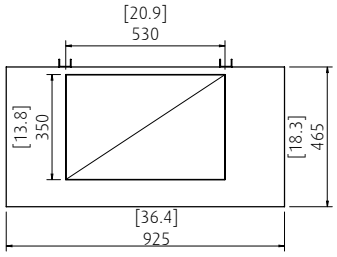
Top View



Front View



Left View



(RA Opening)

Legend

- SA: Supply Air
- RA: Return Air

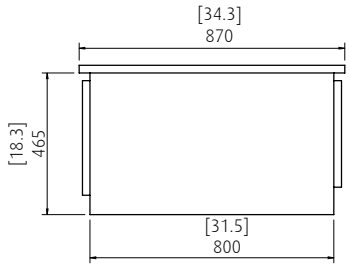
All dimension are in mm [inch]

Model Layout

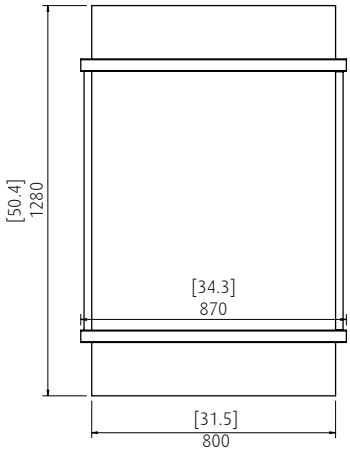
Ceiling Basic Plenum Models (DCC)

Model
DCC 12
DCC 14
DCC 16

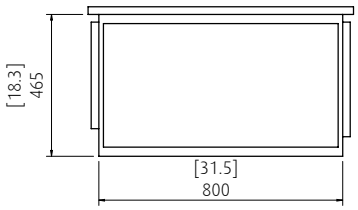
Back View

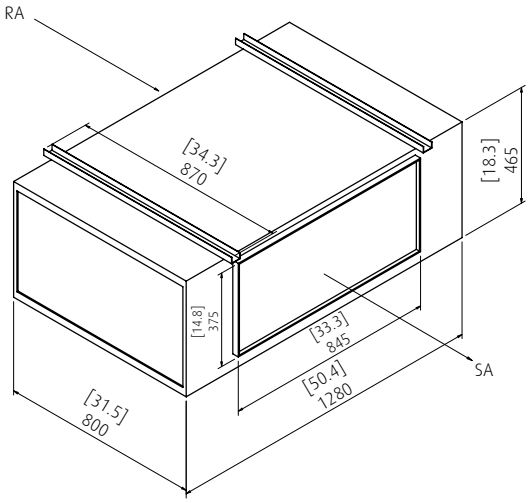


Top View

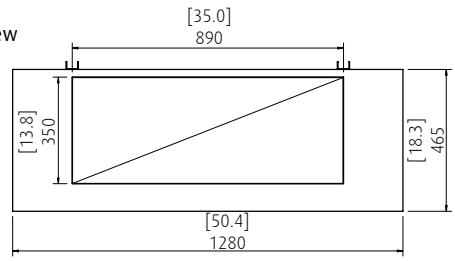


Front View





Left View



(RA Opening)

Legend

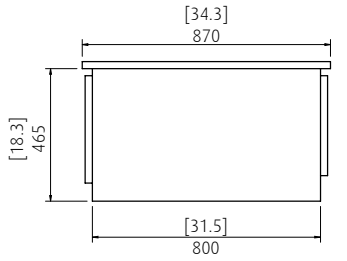
- SA: Supply Air
- RA: Return Air

All dimension are in mm [inch]

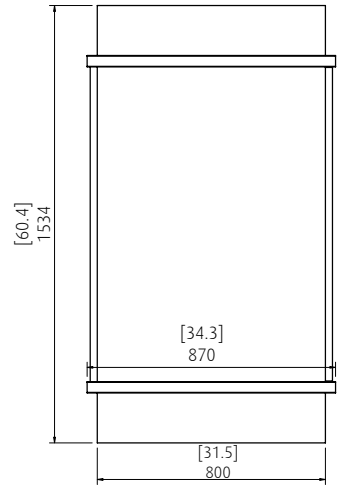
Ceiling Basic Plenum Models (DCC)

Model
DCC 18
DCC 20
DCC 22

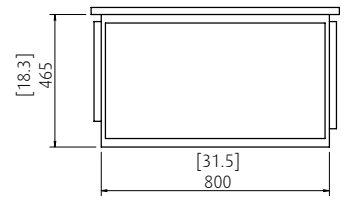
Back View

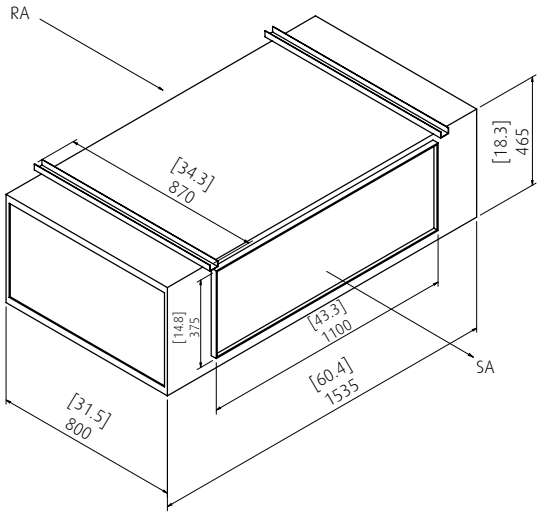


Top View

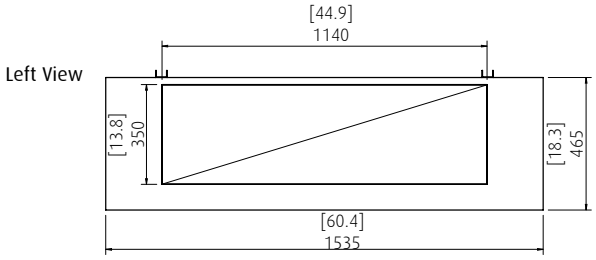


Front View





Left View



(RA Opening)

Legend

- SA: Supply Air
- RA: Return Air

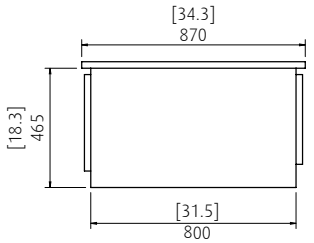
All dimension are in mm [inch]

Model Layout

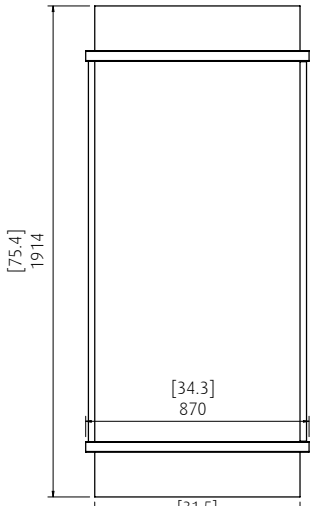
Ceiling Basic Plenum Models (DCC)

Model
DCC 24

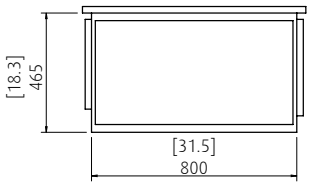
Back View

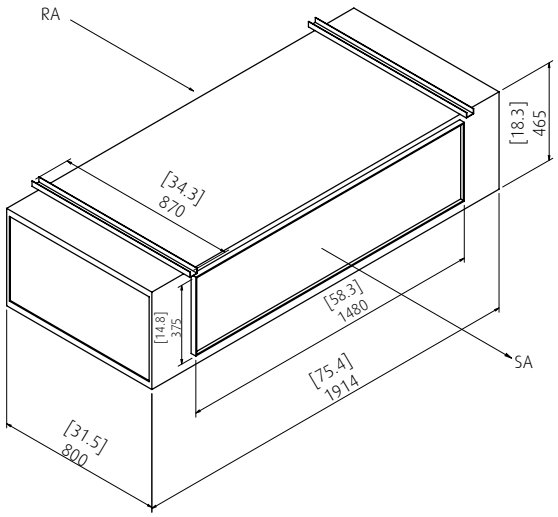


Top View

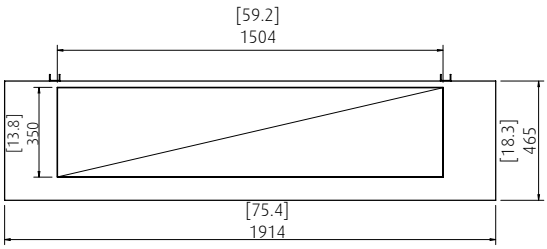


Front View





Left View



(RA Opening)

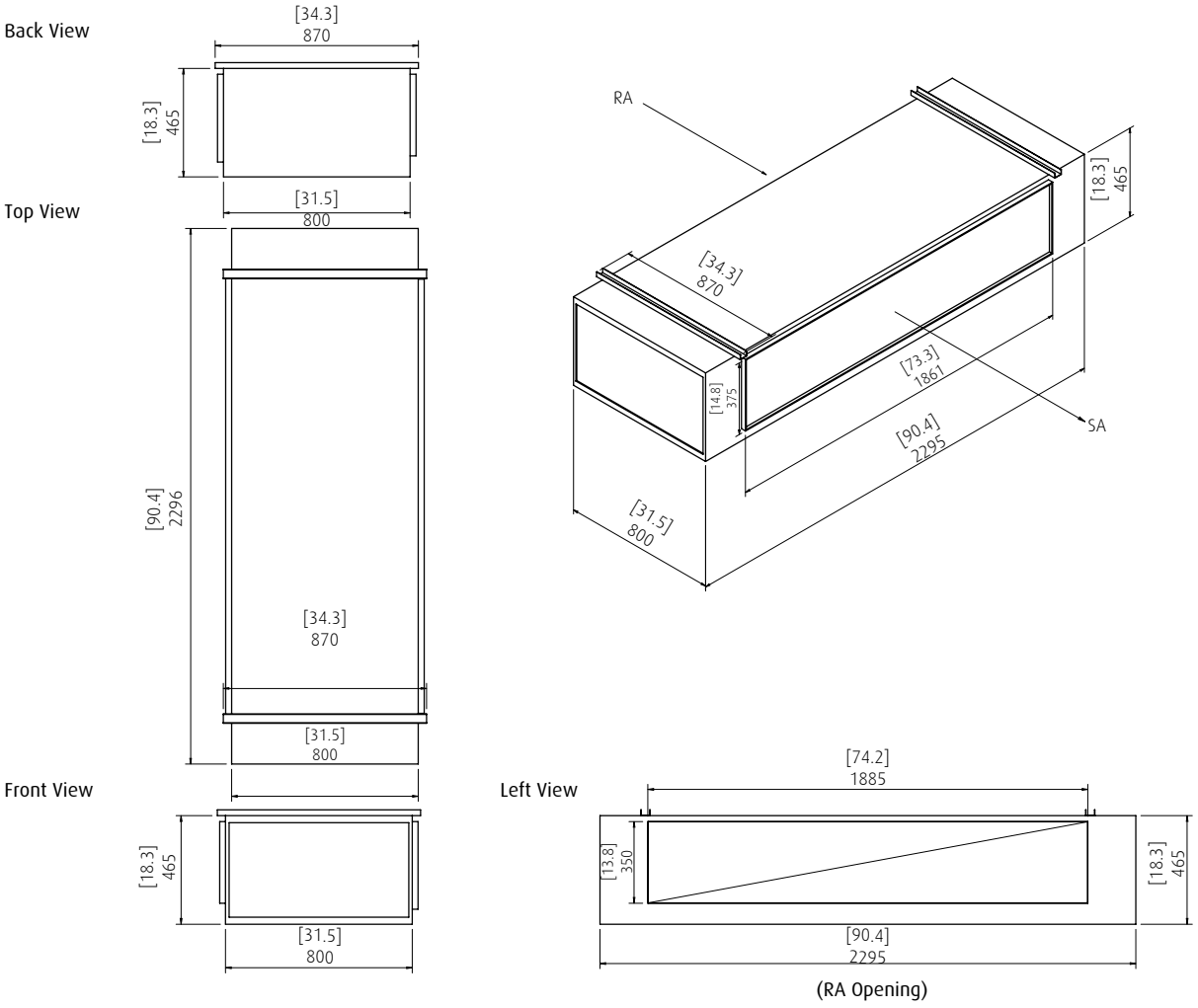
Legend

- SA: Supply Air
- RA: Return Air

All dimension are in mm [inch]

Ceiling Basic Plenum Models (DCC)

Model
DCC 30



Legend

- SA: Supply Air
- RA: Return Air

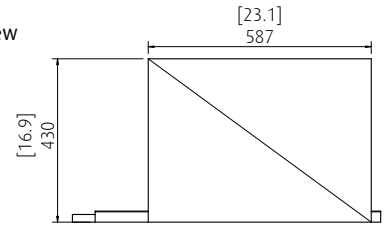
All dimension are in mm [inch]

Model Layout

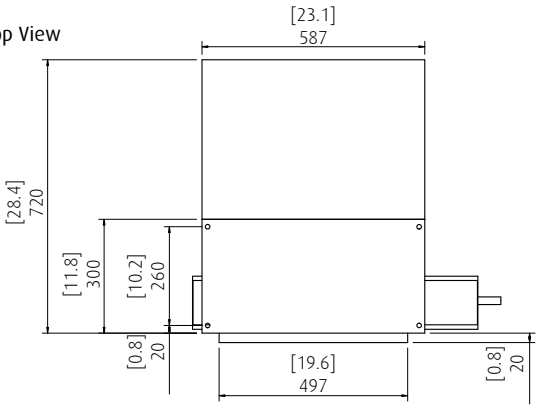
Ceiling Basic Plenum Models (DCP)

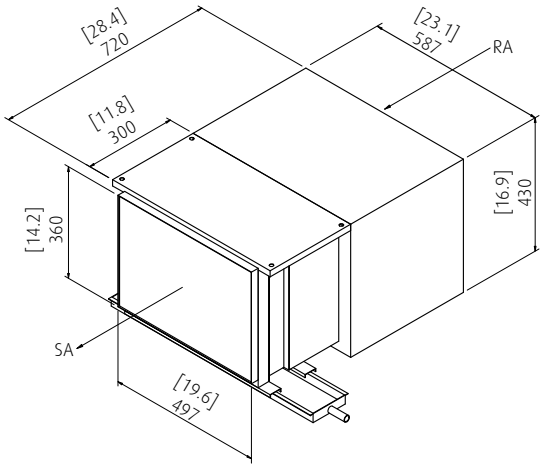
Model
DCP 6
DCP 8
DCP 10
DCP 11

Back View

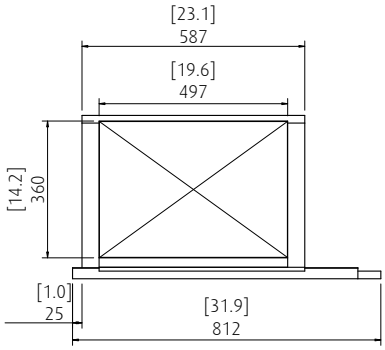


Top View

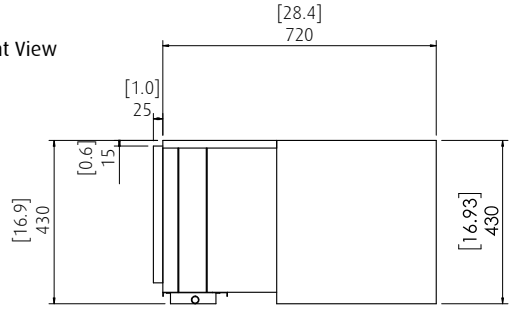




Front View



Right View



Legend

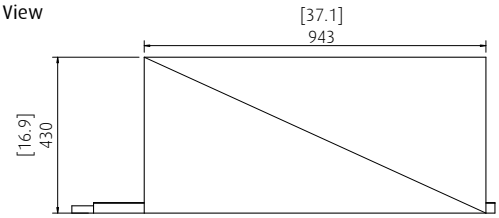
- SA: Supply Air
- RA: Return Air

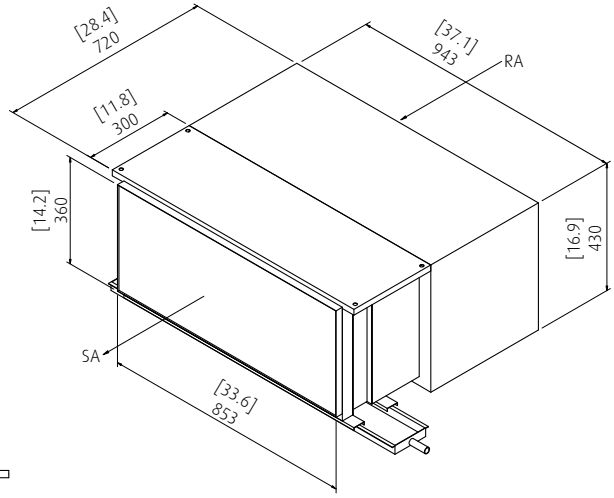
All dimension are in mm [inch]

Ceiling Basic Plenum Models (DCP)

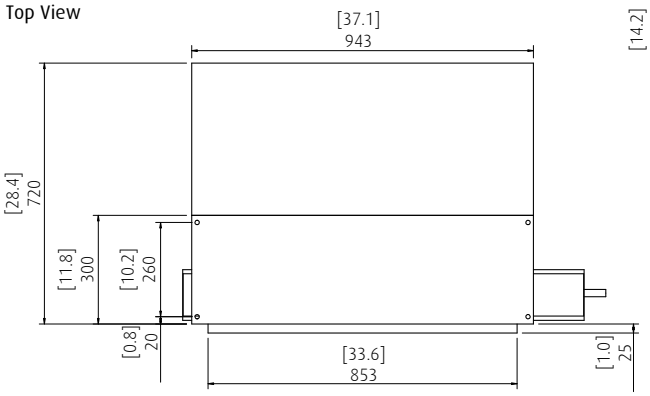
Model
DCP 12
DCP 14
DCP 16

Back View

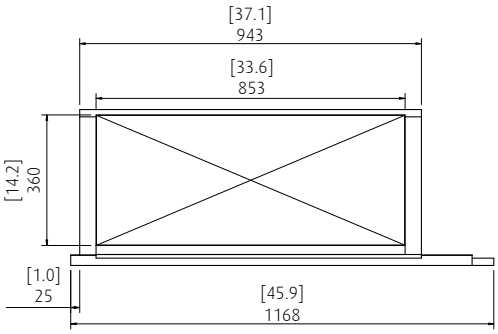




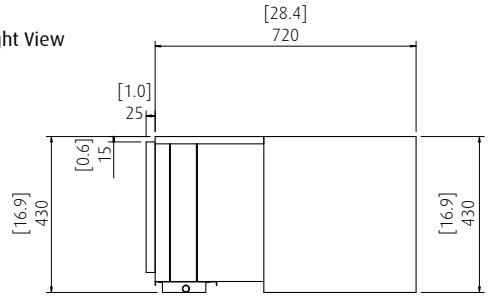
Top View



Front View



Right View



Legend

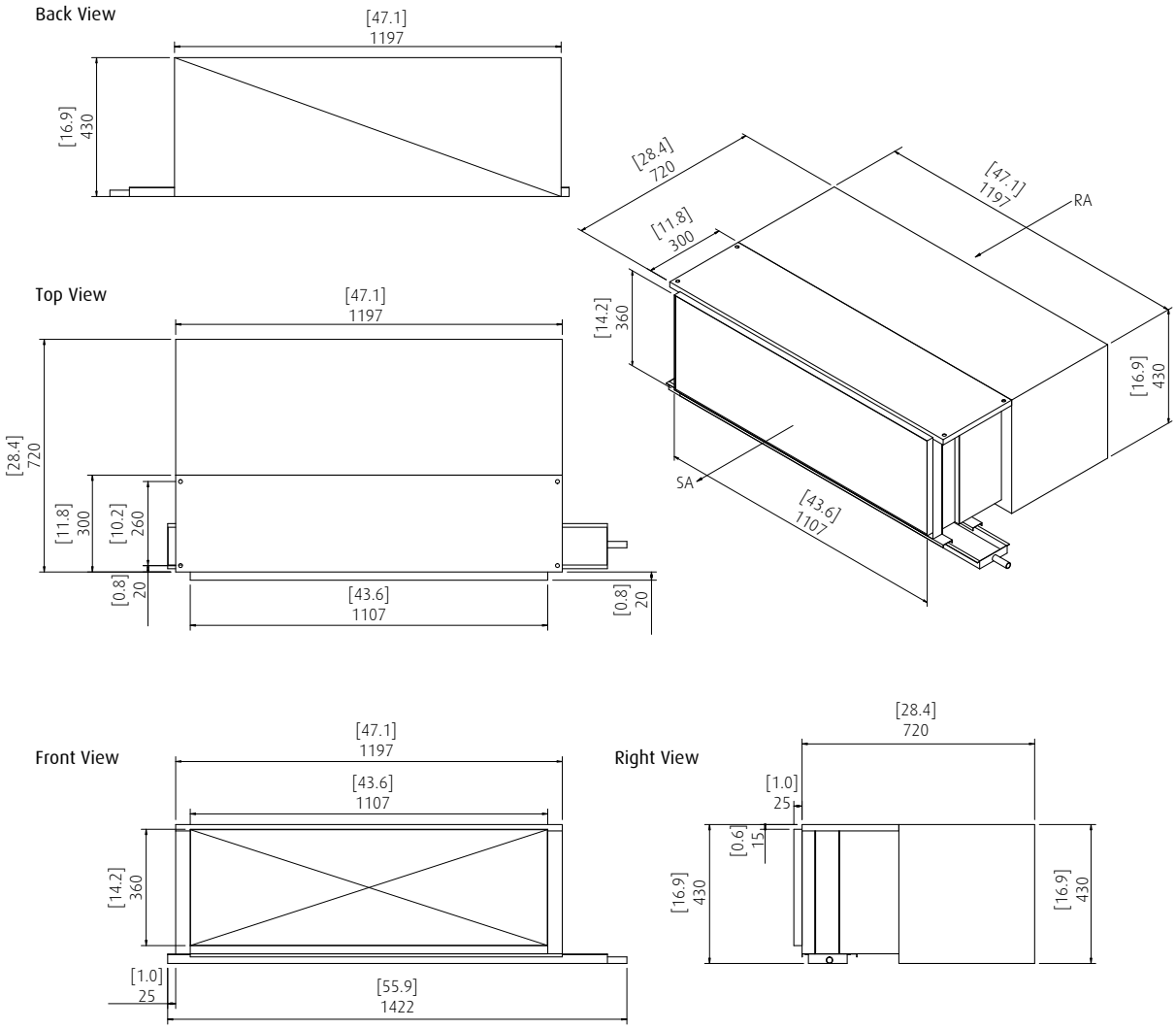
- SA: Supply Air
- RA: Return Air

All dimension are in mm [inch]

Model Layout

Ceiling Basic Plenum Models (DCP)

Model
DCP 18
DCP 20
DCP 22



Legend

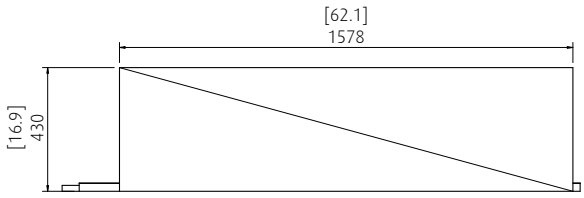
- SA: Supply Air
- RA: Return Air

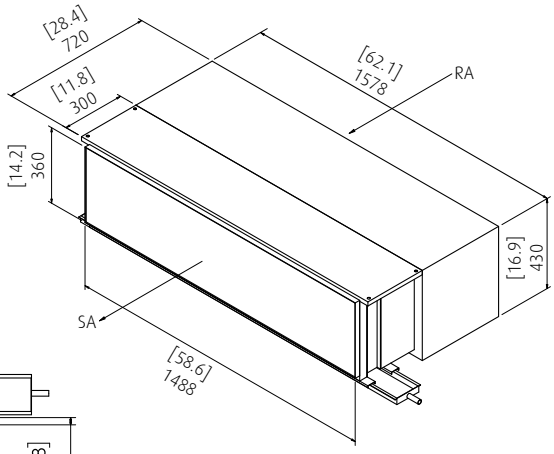
All dimension are in mm [inch]

Ceiling Basic Plenum Models (DCP)

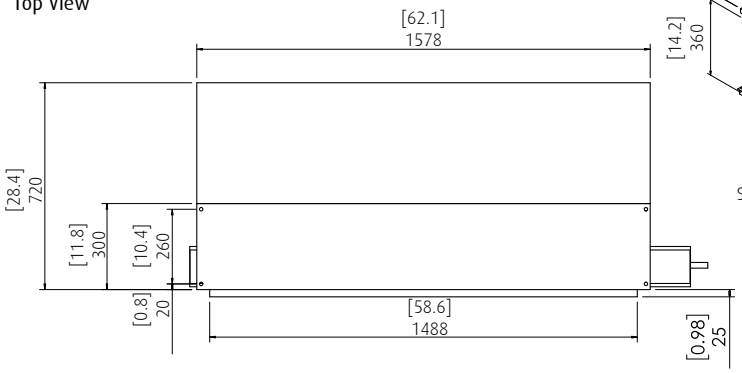
Model
DCP 24

Back View

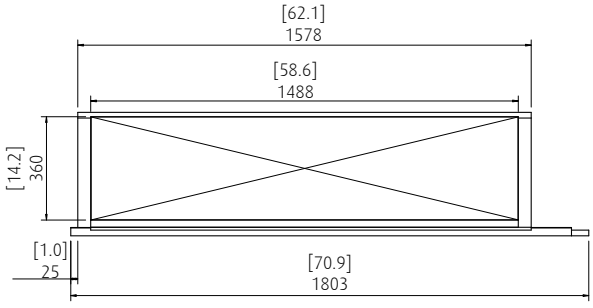




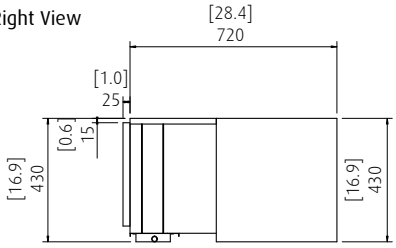
Top View



Front View



Right View



Legend

- SA: Supply Air
- RA: Return Air

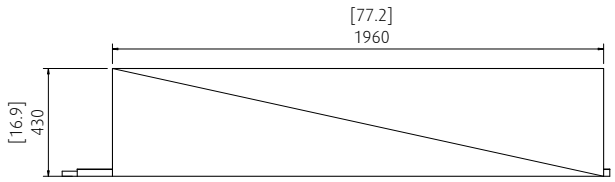
All dimension are in mm [inch]

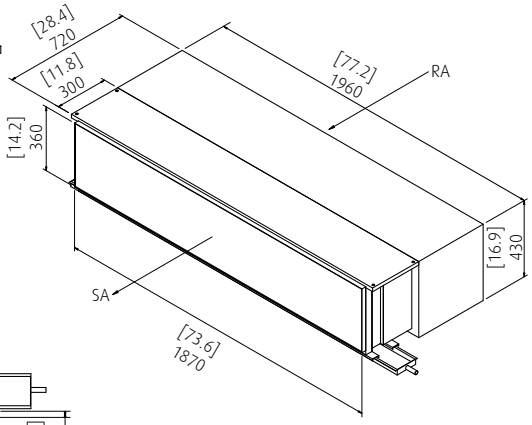
Model Layout

Ceiling Basic Plenum Models (DCP)

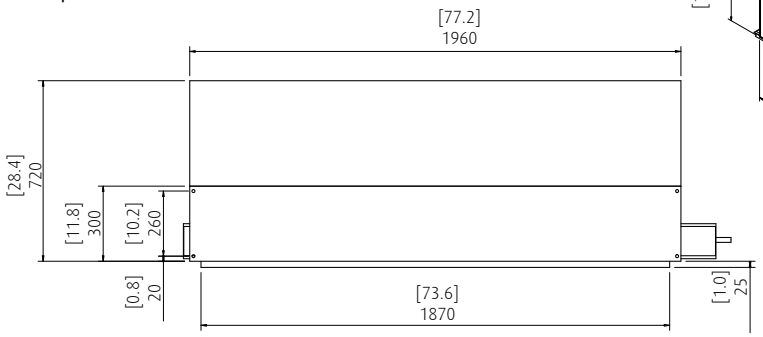
Model
DCP 30

Back View

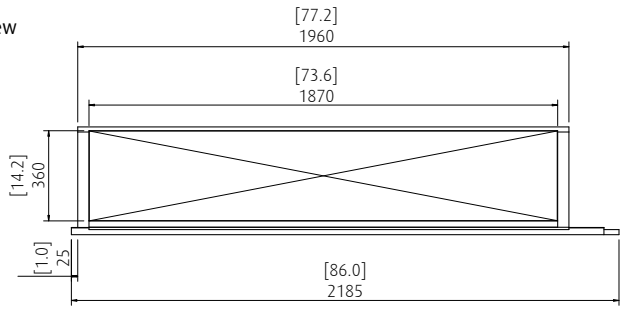




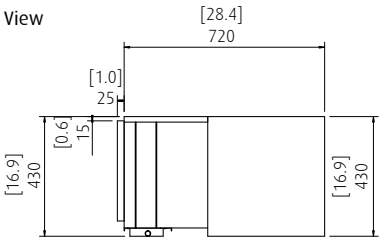
Top View



Front View



Right View



Legend

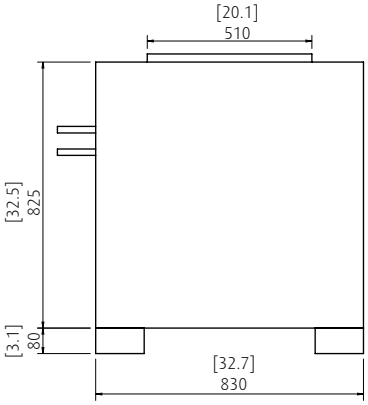
- SA: Supply Air
- RA: Return Air

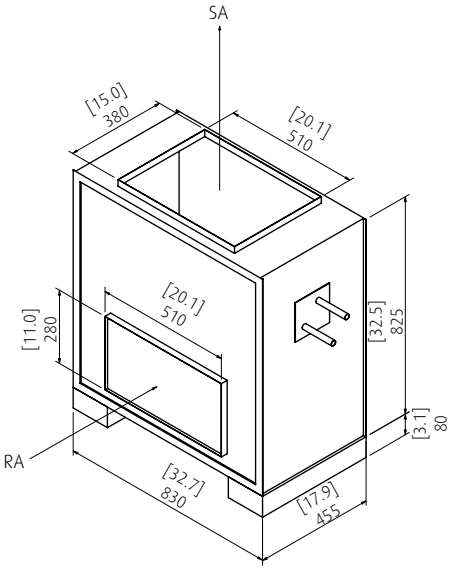
All dimension are in mm [inch]

Ceiling Basic Plenum Models (DCV)

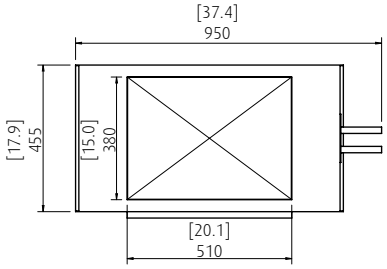
Model
DCV 6
DCV 8
DCV 10
DCV 11

Back View

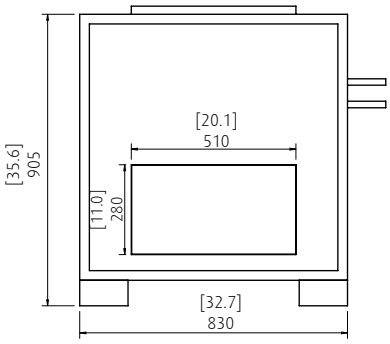




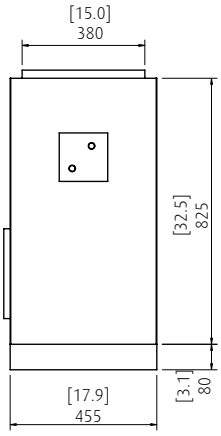
Top View



Front View



Right View



Legend

- SA: Supply Air
- RA: Return Air

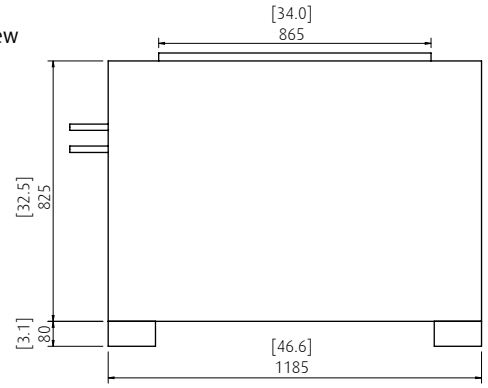
All dimension are in mm [inch]

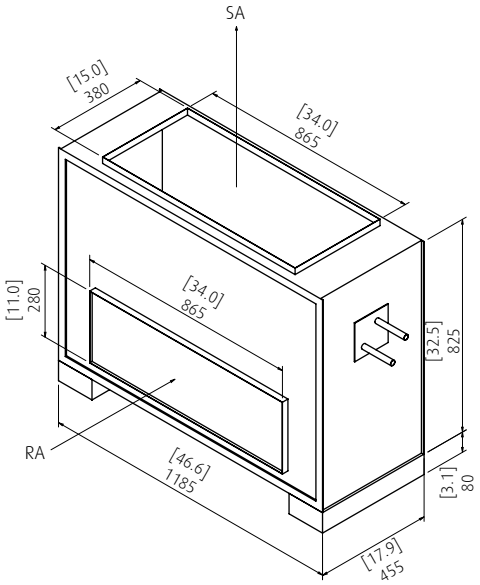
Model Layout

Ceiling Basic Plenum Models (DCV)

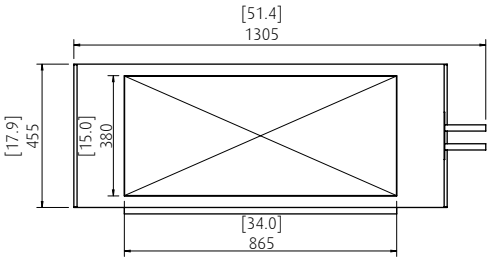
Model
DCV 12
DCV 14
DCV 16

Back View

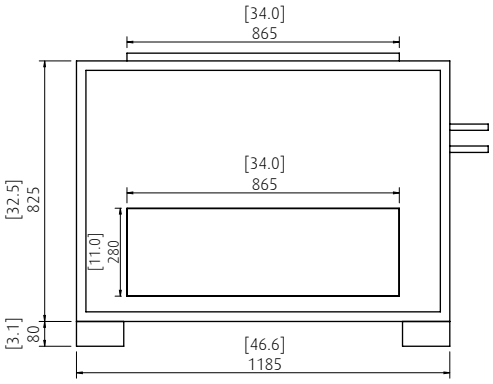




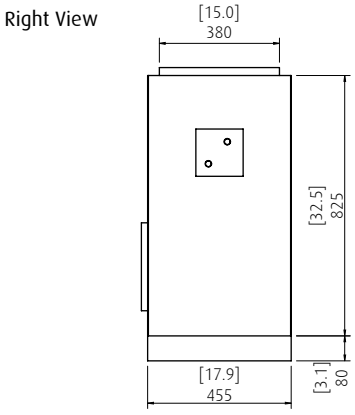
Top View



Front View



Right View



Legend

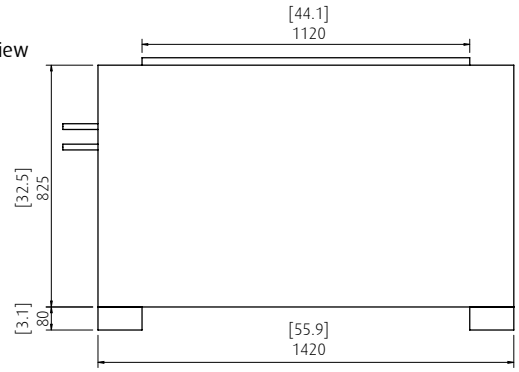
- SA: Supply Air
- RA: Return Air

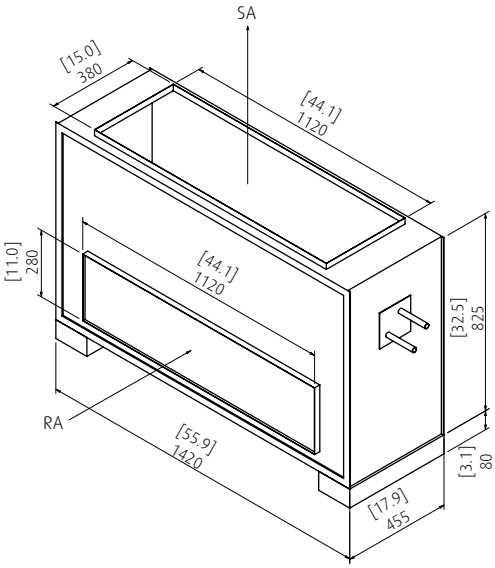
All dimension are in mm [inch]

Ceiling Basic Plenum Models (DCV)

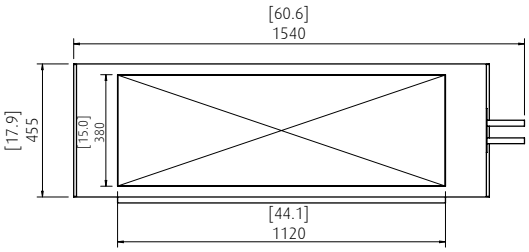
Model
DCV 18
DCV 20
DCV 22

Back View

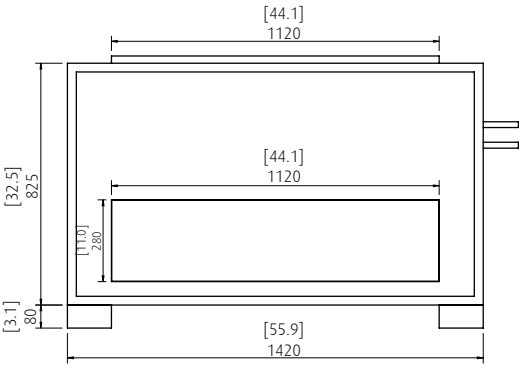




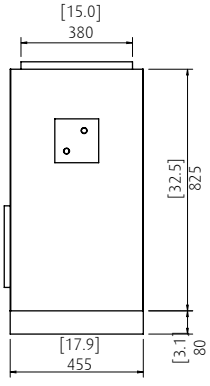
Top View



Front View



Right View



Legend

- SA: Supply Air
- RA: Return Air

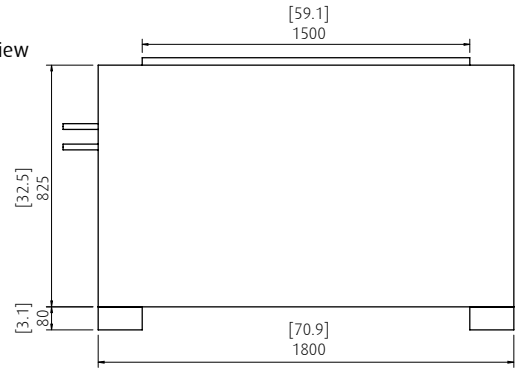
All dimension are in mm [inch]

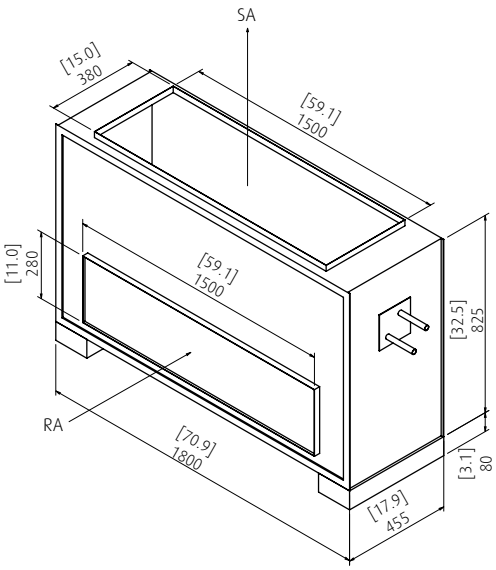
Model Layout

Ceiling Basic Plenum Models (DCV)

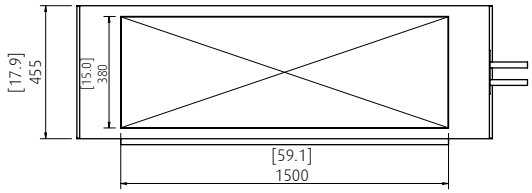
Model
DCV 24

Back View

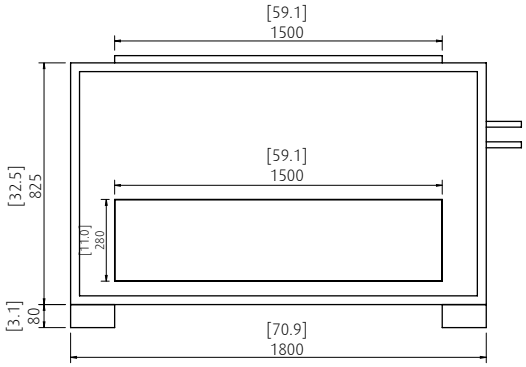




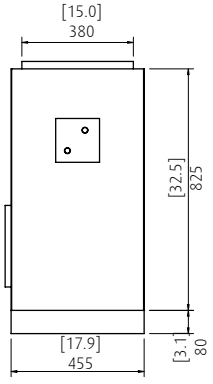
Top View



Front View



Right View



Legend

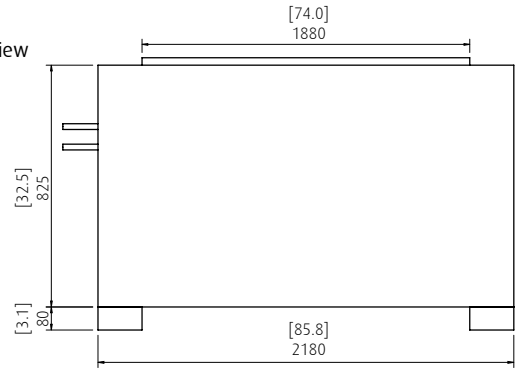
- SA: Supply Air
- RA: Return Air

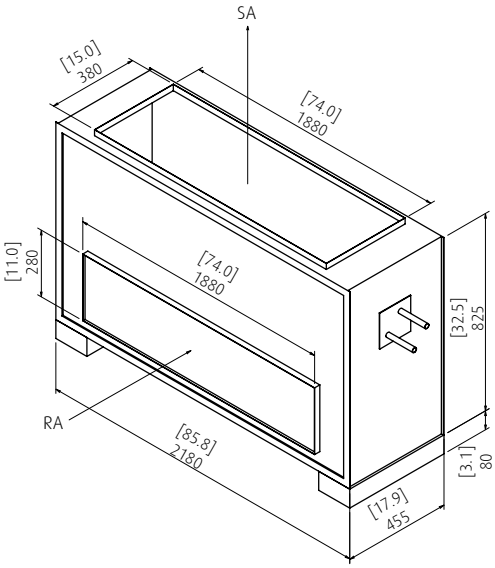
All dimension are in mm [inch]

Ceiling Basic Plenum Models (DCV)

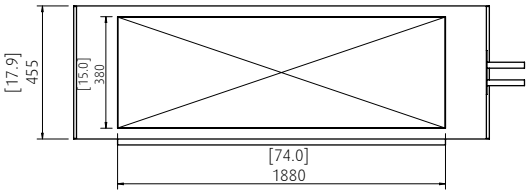
Model
DCV 30

Back View

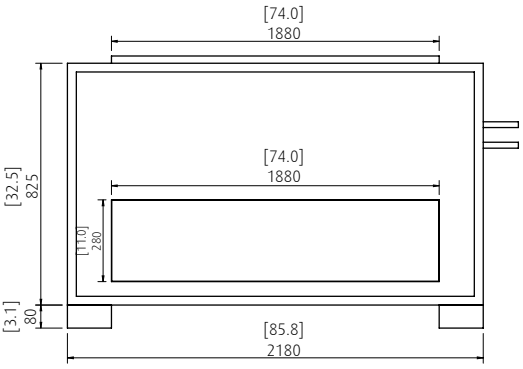




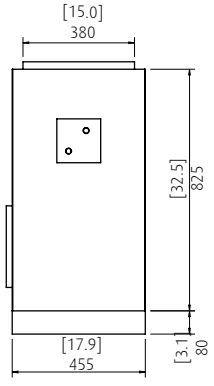
Top View



Front View



Right View



Legend

- SA: Supply Air
- RA: Return Air

All dimension are in mm [inch]

Performance Data - SI

Entering Water Temperature (6.5°C), with (5.5°C) Difference between Inlet & Outlet Water Temperature

Model	FAN SPEED	AFR (L/s)	EDB (°C)	ENTERING WET BULB TEMPERATURE (°C)											
				17				18				19			
				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)
DC 6	High	271	24	5.5	4.1	0.24	14.9	6.3	4.1	0.27	19.4	7.2	4.1	0.31	24.6
			26	5.5	4.5	0.24	15.1	6.3	4.4	0.28	19.6	7.2	4.4	0.31	25.0
			27	5.6	4.8	0.24	15.4	6.4	4.8	0.28	20.1	7.3	4.7	0.32	25.3
			29	5.7	5.6	0.25	16.0	6.5	5.6	0.28	20.6	7.4	5.6	0.32	26.2
	Medium	218	24	4.6	3.5	0.20	10.8	5.3	3.5	0.23	14.1	6.0	3.4	0.26	17.9
			26	4.6	3.7	0.20	11.0	5.3	3.7	0.23	14.2	6.1	3.7	0.26	18.0
			27	4.7	4.0	0.20	11.2	5.4	4.0	0.23	14.5	6.1	4.0	0.27	18.3
			29	4.8	4.7	0.21	11.6	5.5	4.7	0.24	14.9	6.2	4.7	0.27	18.8
	Low	158	24	3.6	2.7	0.16	6.8	4.1	2.7	0.18	8.8	4.7	2.7	0.20	11.1
			26	3.7	2.9	0.16	7.0	4.2	2.9	0.18	8.9	4.7	2.9	0.20	11.3
			27	3.7	3.1	0.16	7.1	4.2	3.1	0.18	9.1	4.7	3.1	0.21	11.4
			29	3.7	3.6	0.16	7.3	4.2	3.6	0.18	9.3	4.8	3.6	0.21	11.7
DC 8	High	317	24	6.2	4.7	0.27	18.6	7.1	4.6	0.31	24.3	8.1	4.6	0.35	30.9
			26	6.2	5.0	0.27	18.9	7.2	5.0	0.31	24.6	8.2	5.0	0.36	31.6
			27	6.3	5.4	0.27	19.3	7.2	5.4	0.31	25.1	8.3	5.4	0.36	32.0
			29	6.4	6.3	0.28	20.1	7.4	6.3	0.32	26.0	8.4	6.3	0.37	33.1
	Medium	271	24	5.5	4.1	0.24	14.9	6.3	4.1	0.27	19.4	7.2	4.1	0.31	24.6
			26	5.5	4.5	0.24	15.1	6.3	4.4	0.28	19.6	7.2	4.4	0.31	25.0
			27	5.6	4.8	0.24	15.4	6.4	4.8	0.28	20.1	7.3	4.7	0.32	25.3
			29	5.7	5.6	0.25	16.0	6.5	5.6	0.28	20.6	7.4	5.6	0.32	26.2
	Low	218	24	4.6	3.5	0.20	10.8	5.3	3.5	0.23	14.1	6.0	3.4	0.26	17.9
			26	4.6	3.7	0.20	11.0	5.3	3.7	0.23	14.2	6.1	3.7	0.26	18.0
			27	4.7	4.0	0.20	11.2	5.4	4.0	0.23	14.5	6.1	4.0	0.27	18.3
			29	4.8	4.7	0.21	11.6	5.5	4.7	0.24	14.9	6.2	4.7	0.27	18.8
DC 10	High	365	24	6.8	5.2	0.30	22.4	7.9	5.2	0.34	29.7	9.0	5.1	0.39	37.8
			26	6.9	5.6	0.30	22.9	8.0	5.6	0.35	30.0	9.1	5.6	0.40	38.6
			27	7.0	6.0	0.30	23.4	8.1	6.0	0.35	30.6	9.2	6.0	0.40	39.0
			29	7.2	7.1	0.31	24.6	8.2	7.0	0.36	31.7	9.4	7.0	0.41	40.6
	Medium	317	24	6.2	4.7	0.27	18.6	7.1	4.6	0.31	24.3	8.1	4.6	0.35	30.9
			26	6.2	5.0	0.27	18.9	7.2	5.0	0.31	24.6	8.2	5.0	0.36	31.6
			27	6.3	5.4	0.27	19.3	7.2	5.4	0.31	25.1	8.3	5.4	0.36	32.0
			29	6.4	6.3	0.28	20.1	7.4	6.3	0.32	26.0	8.4	6.3	0.37	33.1
	Low	271	24	5.5	4.1	0.24	14.9	6.3	4.1	0.27	19.4	7.2	4.1	0.31	24.6
			26	5.5	4.5	0.24	15.1	6.3	4.4	0.28	19.6	7.2	4.4	0.31	25.0
			27	5.6	4.8	0.24	15.4	6.4	4.8	0.28	20.1	7.3	4.7	0.32	25.3
			29	5.7	5.6	0.25	16.0	6.5	5.6	0.28	20.6	7.4	5.6	0.32	26.2
DC 11	High	438	24	7.8	5.9	0.34	28.9	9.0	5.9	0.39	37.9	10.3	5.9	0.45	48.9
			26	7.9	6.4	0.34	29.5	9.1	6.4	0.40	38.8	10.4	6.4	0.45	49.6
			27	8.0	6.9	0.35	29.9	9.2	6.9	0.40	39.2	10.5	6.9	0.46	50.4
			29	8.2	8.1	0.36	31.5	9.4	8.1	0.41	41.0	10.7	8.1	0.47	52.3
	Medium	417	24	7.5	5.7	0.33	27.0	8.7	5.7	0.38	35.4	10.0	5.7	0.43	45.6
			26	7.6	6.2	0.33	27.6	8.8	6.2	0.38	36.2	10.0	6.1	0.44	46.3
			27	7.7	6.7	0.34	28.2	8.9	6.6	0.39	36.6	10.1	6.6	0.44	47.1
			29	7.9	7.8	0.34	29.5	9.1	7.8	0.40	38.4	10.3	7.8	0.45	48.9
	Low	325	24	6.3	4.7	0.27	19.3	7.2	4.7	0.31	25.1	8.3	4.7	0.36	32.1
			26	6.3	5.1	0.28	19.6	7.3	5.1	0.32	25.5	8.3	5.1	0.36	32.7
			27	6.4	5.5	0.28	20.0	7.4	5.5	0.32	25.9	8.4	5.5	0.36	33.0
			29	6.6	6.5	0.29	20.9	7.5	6.4	0.33	27.0	8.6	6.4	0.37	34.3

Legend

- AFR : Air Flow Rate
- EDB : Entering Dry Bulb Temperature
- T.CAP : Total Cooling Capacity
- S.CAP : Sensible Cooling Capacity
- WFR : Water Flow Rate
- WPD : Water Pressure Drop

Note

- Performance data is for DCP fan coil unit, for DCB, DCC or DCV performance data, please contact your nearest Petra sales office
- All data are based on 3 rows, 472 fins per meter cooling coil, 50 Pa external static pressure, and aluminum mesh filter

Entering Water Temperature (6.5°C), with (5.5°C) Difference between Inlet & Outlet Water Temperature

Model	FAN SPEED	AFR (L/s)	EDB (°C)	ENTERING WET BULB TEMPERATURE (°C)											
				17				18				19			
				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)
DC 12	High	469	24	9.6	7.2	0.42	19.2	11.0	7.1	0.48	25.1	12.5	7.1	0.55	31.9
			26	9.7	7.7	0.42	19.7	11.1	7.7	0.48	25.5	12.6	7.7	0.55	32.3
			27	9.8	8.3	0.42	20.0	11.2	8.3	0.49	25.8	12.7	8.2	0.55	32.8
			29	10.0	9.7	0.43	20.8	11.4	9.7	0.50	26.7	12.9	9.7	0.56	33.9
	Medium	418	24	8.8	6.6	0.38	16.3	10.1	6.5	0.44	21.1	11.4	6.5	0.50	26.9
			26	8.8	7.1	0.38	16.6	10.2	7.0	0.44	21.5	11.6	7.0	0.50	27.4
			27	8.9	7.6	0.39	16.9	10.2	7.6	0.45	21.8	11.6	7.5	0.50	27.6
			29	9.1	8.9	0.39	17.4	10.4	8.8	0.45	22.5	11.8	8.8	0.51	28.4
	Low	331	24	7.3	5.4	0.32	11.6	8.4	5.4	0.36	15.0	9.5	5.4	0.41	19.0
			26	7.4	5.9	0.32	11.9	8.4	5.8	0.37	15.2	9.6	5.8	0.42	19.2
			27	7.4	6.3	0.32	12.0	8.5	6.3	0.37	15.4	9.6	6.2	0.42	19.4
			29	7.5	7.3	0.33	12.3	8.6	7.3	0.38	15.8	9.7	7.3	0.42	19.9
DC 14	High	539	24	10.7	8.0	0.46	23.6	12.3	8.0	0.53	30.8	14.0	7.9	0.61	39.2
			26	10.8	8.6	0.47	24.0	12.4	8.6	0.54	31.3	14.1	8.6	0.61	39.9
			27	10.9	9.3	0.47	24.5	12.5	9.2	0.54	31.9	14.2	9.2	0.62	40.4
			29	11.1	10.8	0.48	25.6	12.8	10.8	0.56	33.0	14.5	10.8	0.63	41.8
	Medium	469	24	9.6	7.2	0.42	19.2	11.0	7.1	0.48	25.1	12.5	7.1	0.55	31.9
			26	9.7	7.7	0.42	19.7	11.1	7.7	0.48	25.5	12.6	7.7	0.55	32.3
			27	9.8	8.3	0.42	20.0	11.2	8.3	0.49	25.8	12.7	8.2	0.55	32.8
			29	10.0	9.7	0.43	20.8	11.4	9.7	0.50	26.7	12.9	9.7	0.56	33.9
	Low	418	24	8.8	6.6	0.38	16.3	10.1	6.5	0.44	21.1	11.4	6.5	0.50	26.9
			26	8.8	7.1	0.38	16.6	10.2	7.0	0.44	21.5	11.6	7.0	0.50	27.4
			27	8.9	7.6	0.39	16.9	10.2	7.6	0.45	21.8	11.6	7.5	0.50	27.6
			29	9.1	8.9	0.39	17.4	10.4	8.8	0.45	22.5	11.8	8.8	0.51	28.4
DC 16	High	563	24	11.0	8.2	0.48	25.0	12.7	8.2	0.55	32.6	14.5	8.2	0.63	41.7
			26	11.1	8.9	0.48	25.6	12.8	8.9	0.56	33.2	14.6	8.8	0.63	42.3
			27	11.2	9.6	0.49	26.0	12.9	9.5	0.56	33.7	14.7	9.5	0.64	42.8
			29	11.5	11.2	0.50	27.1	13.2	11.2	0.57	35.0	15.0	11.1	0.65	44.4
	Medium	539	24	10.7	8.0	0.46	23.6	12.3	8.0	0.53	30.8	14.0	7.9	0.61	39.2
			26	10.8	8.6	0.47	24.0	12.4	8.6	0.54	31.3	14.1	8.6	0.61	39.9
			27	10.9	9.3	0.47	24.5	12.5	9.2	0.54	31.9	14.2	9.2	0.62	40.4
			29	11.1	10.8	0.48	25.6	12.8	10.8	0.56	33.0	14.5	10.8	0.63	41.8
	Low	469	24	9.6	7.2	0.42	19.2	11.0	7.1	0.48	25.1	12.5	7.1	0.55	31.9
			26	9.7	7.7	0.42	19.7	11.1	7.7	0.48	25.5	12.6	7.7	0.55	32.3
			27	9.8	8.3	0.42	20.0	11.2	8.3	0.49	25.8	12.7	8.2	0.55	32.8
			29	10.0	9.7	0.43	20.8	11.4	9.7	0.50	26.7	12.9	9.7	0.56	33.9
DC 18	High	664	24	13.2	9.9	0.57	19.5	15.2	9.8	0.66	25.3	17.3	9.8	0.75	32.4
			26	13.3	10.7	0.58	19.8	15.3	10.6	0.67	25.8	17.4	10.6	0.76	32.8
			27	13.5	11.5	0.59	20.2	15.5	11.4	0.67	26.2	17.6	11.4	0.77	33.4
			29	13.8	13.4	0.60	21.1	15.8	13.4	0.69	27.2	17.9	13.3	0.78	34.4
	Medium	564	24	11.6	8.7	0.50	15.3	13.4	8.7	0.58	19.9	15.2	8.6	0.66	25.4
			26	11.7	9.4	0.51	15.5	13.5	9.4	0.59	20.2	15.3	9.3	0.67	25.7
			27	11.8	10.1	0.51	15.8	13.6	10.1	0.59	20.5	15.4	10.0	0.67	26.0
			29	12.1	11.8	0.52	16.4	13.8	11.8	0.60	21.2	15.7	11.7	0.68	26.8
	Low	482	24	10.3	7.7	0.45	12.2	11.8	7.7	0.51	15.8	13.4	7.7	0.58	20.1
			26	10.4	8.3	0.45	12.4	11.9	8.3	0.52	16.0	13.5	8.3	0.59	20.4
			27	10.5	8.9	0.45	12.6	12.0	8.9	0.52	16.2	13.6	8.9	0.59	20.6
			29	10.6	10.4	0.46	13.0	12.2	10.4	0.53	16.8	13.8	10.4	0.60	21.1

Legend

- AFR : Air Flow Rate
- EDB : Entering Dry Bulb Temperature
- T.CAP : Total Cooling Capacity
- S.CAP : Sensible Cooling Capacity
- WFR : Water Flow Rate
- WPD : Water Pressure Drop

Note

- Performance data is for DCP fan coil unit, for DCB, DCC or DCV performance data, please contact your nearest Petra sales office
- All data are based on 3 rows, 472 fins per meter cooling coil, 50 Pa external static pressure, and aluminum mesh filter

Performance Data - SI

Entering Water Temperature (6.5°C), with (5.5°C) Difference between Inlet & Outlet Water Temperature

Model	FAN SPEED	AFR (L/s)	EDB (°C)	ENTERING WET BULB TEMPERATURE (°C)											
				17				18				19			
				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)
DC 20	High	759	24	14.5	10.9	0.63	23.3	16.8	10.9	0.73	30.6	19.2	10.9	0.83	39.2
			26	14.7	11.8	0.64	23.8	17.0	11.8	0.74	31.1	19.3	11.7	0.84	39.7
			27	14.9	12.7	0.65	24.3	17.1	12.7	0.74	31.6	19.5	12.6	0.85	40.3
			29	15.2	14.9	0.66	25.3	17.5	14.8	0.76	32.8	19.8	14.8	0.86	41.7
	Medium	664	24	13.2	9.9	0.57	19.5	15.2	9.8	0.66	25.3	17.3	9.8	0.75	32.4
			26	13.3	10.7	0.58	19.8	15.3	10.6	0.67	25.8	17.4	10.6	0.76	32.8
			27	13.5	11.5	0.59	20.2	15.5	11.4	0.67	26.2	17.6	11.4	0.77	33.4
			29	13.8	13.4	0.60	21.1	15.8	13.4	0.69	27.2	17.9	13.3	0.78	34.4
	Low	564	24	11.6	8.7	0.50	15.3	13.4	8.7	0.58	19.9	15.2	8.6	0.66	25.4
			26	11.7	9.4	0.51	15.5	13.5	9.4	0.59	20.2	15.3	9.3	0.67	25.7
			27	11.8	10.1	0.51	15.8	13.6	10.1	0.59	20.5	15.4	10.0	0.67	26.0
			29	12.1	11.8	0.52	16.4	13.8	11.8	0.60	21.2	15.7	11.7	0.68	26.8
DC 22	High	834	24	15.6	11.8	0.68	26.6	18.0	11.7	0.78	34.9	20.6	11.7	0.90	44.8
			26	15.8	12.7	0.69	27.1	18.2	12.7	0.79	35.5	20.8	12.6	0.90	45.5
			27	15.9	13.7	0.69	27.7	18.4	13.6	0.80	36.1	20.9	13.6	0.91	46.1
			29	16.3	16.0	0.71	29.0	18.7	16.0	0.81	37.5	21.3	15.9	0.93	47.7
	Medium	730	24	14.2	10.6	0.62	22.1	16.3	10.6	0.71	28.9	18.6	10.5	0.81	37.1
			26	14.3	11.5	0.62	22.5	16.5	11.4	0.72	29.5	18.8	11.4	0.82	37.6
			27	14.4	12.3	0.63	22.9	16.6	12.3	0.72	29.9	18.9	12.3	0.82	38.2
			29	14.8	14.5	0.64	24.0	17.0	14.4	0.74	31.1	19.2	14.4	0.84	39.4
	Low	621	24	12.5	9.4	0.54	17.6	14.4	9.3	0.63	22.9	16.4	9.3	0.71	29.2
			26	12.6	10.1	0.55	17.9	14.5	10.1	0.63	23.3	16.5	10.0	0.72	29.6
			27	12.8	10.9	0.56	18.3	14.7	10.8	0.64	23.6	16.6	10.8	0.72	30.0
			29	13.0	12.7	0.57	19.0	14.9	12.7	0.65	24.5	16.9	12.7	0.74	31.0
DC 24	High	947	24	18.4	13.8	0.80	19.0	21.2	13.8	0.92	24.8	24.1	13.7	1.05	31.7
			26	18.6	14.9	0.81	19.3	21.4	14.9	0.93	25.2	24.3	14.8	1.06	32.2
			27	18.7	16.0	0.82	19.7	21.6	16.0	0.94	25.7	24.5	15.9	1.07	32.7
			29	19.2	18.8	0.83	20.6	22.0	18.7	0.96	26.7	25.0	18.7	1.09	33.9
	Medium	890	24	17.5	13.2	0.76	17.4	20.2	13.1	0.88	22.8	23.1	13.1	1.00	29.1
			26	17.7	14.2	0.77	17.8	20.4	14.2	0.89	23.1	23.2	14.1	1.01	29.6
			27	17.9	15.3	0.78	18.1	20.6	15.2	0.90	23.5	23.4	15.2	1.02	30.0
			29	18.3	17.9	0.80	18.9	21.0	17.9	0.91	24.5	23.8	17.8	1.04	31.0
	Low	765	24	15.6	11.7	0.68	14.0	18.0	11.7	0.78	18.2	20.5	11.6	0.89	23.2
			26	15.7	12.7	0.68	14.2	18.1	12.6	0.79	18.5	20.6	12.6	0.89	23.5
			27	15.9	13.6	0.69	14.4	18.2	13.5	0.79	18.7	20.8	13.5	0.90	23.9
			29	16.2	15.9	0.70	15.0	18.6	15.9	0.81	19.4	21.1	15.8	0.92	24.6
DC 30	High	1303	24	25.8	19.1	1.12	39.8	29.6	19.0	1.29	51.7	33.7	18.9	1.47	65.9
			26	26.0	20.6	1.13	40.6	29.9	20.5	1.30	52.6	34.0	20.4	1.48	66.9
			27	26.3	22.1	1.14	41.3	30.1	22.0	1.31	53.5	34.2	22.0	1.49	67.9
			29	26.8	25.8	1.17	43.0	30.7	25.7	1.34	55.4	34.8	25.7	1.51	70.0
	Medium	1215	24	24.5	18.1	1.06	36.1	28.1	18.0	1.22	46.8	32.0	18.0	1.39	59.6
			26	24.7	19.5	1.07	36.7	28.4	19.4	1.23	47.7	32.2	19.4	1.40	60.5
			27	24.9	20.9	1.08	37.4	28.6	20.9	1.24	48.3	32.4	20.8	1.41	61.3
			29	25.4	24.4	1.11	38.9	29.1	24.4	1.27	50.1	33.0	24.3	1.43	63.2
	Low	986	24	20.8	15.4	0.90	26.7	23.9	15.3	1.04	34.6	27.1	15.3	1.18	43.8
			26	21.0	16.6	0.91	27.1	24.1	16.5	1.05	35.0	27.3	16.5	1.19	44.4
			27	21.2	17.8	0.92	27.5	24.3	17.7	1.05	35.6	27.5	17.7	1.19	44.9
			29	21.6	20.7	0.94	28.6	24.7	20.7	1.07	36.7	27.9	20.6	1.21	46.2

Legend

- AFR : Air Flow Rate
- EDB : Entering Dry Bulb Temperature
- T.CAP : Total Cooling Capacity
- S.CAP : Sensible Cooling Capacity
- WFR : Water Flow Rate
- WPD : Water Pressure Drop

Note

- Performance data is for DCP fan coil unit, for DCB, DCC or DCV performance data, please contact your nearest Petra sales office
- All data are based on 3 rows, 472 fins per meter cooling coil, 50 Pa external static pressure, and aluminum mesh filter

Entering Water Temperature (7.0°C), with (5.5°C) Difference between Inlet & Outlet Water Temperature

Model	FAN SPEED	AFR (L/s)	EDB (°C)	ENTERING WET BULB TEMPERATURE (°C)											
				17				18				19			
				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)
DC 6	High	271	24	5.1	4.0	0.22	13.2	5.9	4.0	0.26	17.3	6.8	3.9	0.30	22.4
			26	5.2	4.3	0.22	13.3	6.0	4.3	0.26	17.7	6.9	4.3	0.30	22.7
			27	5.2	4.6	0.23	13.7	6.1	4.6	0.26	17.9	6.9	4.6	0.30	23.1
			29	5.5	5.5	0.24	14.8	6.2	5.4	0.27	18.6	7.0	5.4	0.31	23.7
	Medium	218	24	4.3	3.4	0.19	9.7	5.0	3.3	0.22	12.7	5.7	3.3	0.25	16.2
			26	4.4	3.6	0.19	9.9	5.1	3.6	0.22	12.9	5.8	3.6	0.25	16.5
			27	4.4	3.9	0.19	10.0	5.1	3.9	0.22	13.2	5.8	3.9	0.25	16.7
			29	4.5	4.5	0.20	10.3	5.2	4.6	0.23	13.4	5.9	4.6	0.26	17.2
	Low	158	24	3.4	2.6	0.15	6.2	3.9	2.6	0.17	7.9	4.5	2.6	0.19	10.2
			26	3.4	2.8	0.15	6.2	3.9	2.8	0.17	8.1	4.5	2.8	0.20	10.3
			27	3.4	3.0	0.15	6.3	4.0	3.0	0.17	8.2	4.5	3.0	0.20	10.4
			29	3.5	3.5	0.15	6.6	4.0	3.5	0.18	8.4	4.6	3.5	0.20	10.7
DC 8	High	317	24	5.8	4.5	0.25	16.4	6.7	4.5	0.29	21.7	7.7	4.4	0.34	28.1
			26	5.8	4.9	0.25	16.8	6.8	4.8	0.30	22.2	7.8	4.8	0.34	28.7
			27	5.9	5.2	0.26	17.1	6.8	5.2	0.30	22.6	7.8	5.2	0.34	29.0
			29	6.2	6.2	0.27	18.5	7.0	6.1	0.30	23.5	8.0	6.1	0.35	30.1
	Medium	271	24	5.1	4.0	0.22	13.2	5.9	4.0	0.26	17.3	6.8	3.9	0.30	22.4
			26	5.2	4.3	0.22	13.3	6.0	4.3	0.26	17.7	6.9	4.3	0.30	22.7
			27	5.2	4.6	0.23	13.7	6.1	4.6	0.26	17.9	6.9	4.6	0.30	23.1
			29	5.5	5.5	0.24	14.8	6.2	5.4	0.27	18.6	7.0	5.4	0.31	23.7
	Low	218	24	4.3	3.4	0.19	9.7	5.0	3.3	0.22	12.7	5.7	3.3	0.25	16.2
			26	4.4	3.6	0.19	9.9	5.1	3.6	0.22	12.9	5.8	3.6	0.25	16.5
			27	4.4	3.9	0.19	10.0	5.1	3.9	0.22	13.2	5.8	3.9	0.25	16.7
			29	4.5	4.5	0.20	10.3	5.2	4.6	0.23	13.4	5.9	4.6	0.26	17.2
DC 10	High	365	24	6.4	5.0	0.28	19.8	7.5	5.0	0.32	26.4	8.6	4.9	0.37	34.3
			26	6.5	5.4	0.28	20.3	7.5	5.4	0.33	26.9	8.7	5.4	0.38	35.0
			27	6.6	5.8	0.29	20.8	7.6	5.8	0.33	27.5	8.7	5.8	0.38	35.5
			29	6.9	6.9	0.30	22.7	7.8	6.9	0.34	28.7	8.9	6.8	0.39	37.0
	Medium	317	24	5.8	4.5	0.25	16.4	6.7	4.5	0.29	21.7	7.7	4.4	0.34	28.1
			26	5.8	4.9	0.25	16.8	6.8	4.8	0.30	22.2	7.8	4.8	0.34	28.7
			27	5.9	5.2	0.26	17.1	6.8	5.2	0.30	22.6	7.8	5.2	0.34	29.0
			29	6.2	6.2	0.27	18.5	7.0	6.1	0.30	23.5	8.0	6.1	0.35	30.1
	Low	271	24	5.1	4.0	0.22	13.2	5.9	4.0	0.26	17.3	6.8	3.9	0.30	22.4
			26	5.2	4.3	0.22	13.3	6.0	4.3	0.26	17.7	6.9	4.3	0.30	22.7
			27	5.2	4.6	0.23	13.7	6.1	4.6	0.26	17.9	6.9	4.6	0.30	23.1
			29	5.5	5.5	0.24	14.8	6.2	5.4	0.27	18.6	7.0	5.4	0.31	23.7
DC 11	High	438	24	7.3	5.7	0.32	25.4	8.5	5.7	0.37	33.7	9.8	5.7	0.43	44.0
			26	7.4	6.2	0.32	25.8	8.6	6.2	0.37	34.4	9.9	6.2	0.43	45.0
			27	7.4	6.7	0.32	26.4	8.7	6.7	0.38	35.2	10.0	6.6	0.43	45.7
			29	7.9	7.9	0.34	29.5	8.9	7.9	0.39	36.9	10.2	7.8	0.44	47.4
	Medium	417	24	7.0	5.5	0.31	23.8	8.2	5.5	0.36	31.8	9.5	5.5	0.41	41.3
			26	7.1	6.0	0.31	24.3	8.3	6.0	0.36	32.3	9.6	5.9	0.42	42.2
			27	7.2	6.5	0.31	24.9	8.4	6.4	0.36	32.8	9.6	6.4	0.42	42.7
			29	7.6	7.6	0.33	27.5	8.6	7.6	0.37	34.4	9.9	7.6	0.43	44.6
	Low	325	24	5.9	4.6	0.26	17.0	6.8	4.5	0.30	22.5	7.9	4.5	0.34	29.1
			26	5.9	4.9	0.26	17.3	6.9	4.9	0.30	23.0	7.9	4.9	0.35	29.7
			27	6.0	5.3	0.26	17.8	7.0	5.3	0.30	23.3	8.0	5.3	0.35	30.1
			29	6.3	6.3	0.27	19.2	7.1	6.3	0.31	24.4	8.1	6.2	0.35	31.2

Legend

- AFR : Air Flow Rate
- EDB : Entering Dry Bulb Temperature
- T.CAP : Total Cooling Capacity
- S.CAP : Sensible Cooling Capacity
- WFR : Water Flow Rate
- WPD : Water Pressure Drop

Note

- Performance data is for DCP fan coil unit, for DCB, DCC or DCV performance data, please contact your nearest Petra sales office
- All data are based on 3 rows, 472 fins per meter cooling coil, 50 Pa external static pressure, and aluminum mesh filter

Performance Data - SI

Entering Water Temperature (7.0°C), with (5.5°C) Difference between Inlet & Outlet Water Temperature

Model	FAN SPEED	AFR (L/s)	EDB (°C)	ENTERING WET BULB TEMPERATURE (°C)											
				17				18				19			
				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)
DC 12	High	469	24	9.0	6.9	0.39	17.1	10.4	6.9	0.45	22.5	11.9	6.9	0.52	29.0
			26	9.1	7.5	0.40	17.5	10.5	7.4	0.46	22.9	12.0	7.4	0.52	29.5
			27	9.2	8.0	0.40	17.7	10.6	8.0	0.46	23.3	12.1	8.0	0.53	30.0
			29	9.5	9.5	0.41	18.8	10.8	9.4	0.47	24.1	12.4	9.4	0.54	31.0
	Medium	418	24	8.2	6.3	0.36	14.5	9.5	6.3	0.41	19.0	10.9	6.3	0.47	24.5
			26	8.3	6.8	0.36	14.7	9.6	6.8	0.42	19.5	11.0	6.8	0.48	24.8
			27	8.4	7.4	0.36	15.0	9.7	7.3	0.42	19.7	11.1	7.3	0.48	25.2
			29	8.6	8.6	0.38	15.8	9.9	8.6	0.43	20.3	11.2	8.6	0.49	26.0
	Low	331	24	6.9	5.3	0.30	10.3	7.9	5.2	0.35	13.6	9.1	5.2	0.39	17.3
			26	6.9	5.7	0.30	10.5	8.0	5.7	0.35	13.8	9.1	5.6	0.40	17.5
			27	7.0	6.1	0.30	10.7	8.1	6.1	0.35	13.9	9.2	6.1	0.40	17.8
			29	7.1	7.1	0.31	11.1	8.2	7.1	0.36	14.4	9.3	7.1	0.40	18.2
DC 14	High	539	24	10.0	7.7	0.44	20.9	11.6	7.7	0.51	27.6	13.3	7.6	0.58	35.5
			26	10.1	8.3	0.44	21.4	11.8	8.3	0.51	28.2	13.4	8.3	0.58	36.3
			27	10.2	9.0	0.44	21.7	11.9	9.0	0.52	28.7	13.6	8.9	0.59	36.8
			29	10.5	10.5	0.46	23.0	12.1	10.5	0.53	29.9	13.8	10.5	0.60	38.1
	Medium	469	24	9.0	6.9	0.39	17.1	10.4	6.9	0.45	22.5	11.9	6.9	0.52	29.0
			26	9.1	7.5	0.40	17.5	10.5	7.4	0.46	22.9	12.0	7.4	0.52	29.5
			27	9.2	8.0	0.40	17.7	10.6	8.0	0.46	23.3	12.1	8.0	0.53	30.0
			29	9.5	9.5	0.41	18.8	10.8	9.4	0.47	24.1	12.4	9.4	0.54	31.0
	Low	418	24	8.2	6.3	0.36	14.5	9.5	6.3	0.41	19.0	10.9	6.3	0.47	24.5
			26	8.3	6.8	0.36	14.7	9.6	6.8	0.42	19.5	11.0	6.8	0.48	24.8
			27	8.4	7.4	0.36	15.0	9.7	7.3	0.42	19.7	11.1	7.3	0.48	25.2
			29	8.6	8.6	0.38	15.8	9.9	8.6	0.43	20.3	11.2	8.6	0.49	26.0
DC 16	High	563	24	10.3	8.0	0.45	22.1	12.0	7.9	0.52	29.3	13.7	7.9	0.60	37.8
			26	10.4	8.6	0.45	22.6	12.1	8.6	0.53	29.8	13.9	8.5	0.60	38.4
			27	10.6	9.3	0.46	23.1	12.2	9.2	0.53	30.4	14.0	9.2	0.61	39.0
			29	10.9	10.9	0.47	24.5	12.5	10.9	0.54	31.6	14.3	10.8	0.62	40.5
	Medium	539	24	10.0	7.7	0.44	20.9	11.6	7.7	0.51	27.6	13.3	7.6	0.58	35.5
			26	10.1	8.3	0.44	21.4	11.8	8.3	0.51	28.2	13.4	8.3	0.58	36.3
			27	10.2	9.0	0.44	21.7	11.9	9.0	0.52	28.7	13.6	8.9	0.59	36.8
			29	10.5	10.5	0.46	23.0	12.1	10.5	0.53	29.9	13.8	10.5	0.60	38.1
	Low	469	24	9.0	6.9	0.39	17.1	10.4	6.9	0.45	22.5	11.9	6.9	0.52	29.0
			26	9.1	7.5	0.40	17.5	10.5	7.4	0.46	22.9	12.0	7.4	0.52	29.5
			27	9.2	8.0	0.40	17.7	10.6	8.0	0.46	23.3	12.1	8.0	0.53	30.0
			29	9.5	9.5	0.41	18.8	10.8	9.4	0.47	24.1	12.4	9.4	0.54	31.0
DC 18	High	664	24	12.4	9.5	0.54	17.2	14.4	9.5	0.63	22.7	16.5	9.5	0.72	29.4
			26	12.5	10.3	0.54	17.6	14.5	10.3	0.63	23.1	16.6	10.2	0.72	29.8
			27	12.7	11.1	0.55	18.0	14.7	11.1	0.64	23.6	16.8	11.0	0.73	30.3
			29	13.1	13.1	0.57	19.1	15.0	13.0	0.65	24.6	17.1	13.0	0.74	31.4
	Medium	564	24	10.9	8.4	0.47	13.6	12.6	8.4	0.55	17.9	14.5	8.3	0.63	23.1
			26	11.0	9.1	0.48	13.8	12.8	9.1	0.55	18.2	14.6	9.0	0.63	23.4
			27	11.1	9.8	0.48	14.1	12.9	9.8	0.56	18.5	14.7	9.7	0.64	23.7
			29	11.5	11.5	0.50	15.0	13.1	11.5	0.57	19.1	14.9	11.4	0.65	24.5
	Low	482	24	9.6	7.4	0.42	10.8	11.2	7.4	0.49	14.2	12.8	7.4	0.56	18.2
			26	9.8	8.1	0.42	11.0	11.3	8.0	0.49	14.4	12.9	8.0	0.56	18.5
			27	9.8	8.6	0.43	11.2	11.4	8.6	0.49	14.7	13.0	8.6	0.57	18.8
			29	10.1	10.1	0.44	11.7	11.6	10.1	0.50	15.2	13.2	10.1	0.57	19.3

Legend

- AFR : Air Flow Rate
- EDB : Entering Dry Bulb Temperature
- T.CAP : Total Cooling Capacity
- S.CAP : Sensible Cooling Capacity
- WFR : Water Flow Rate
- WPD : Water Pressure Drop

Note

- Performance data is for DCP fan coil unit, for DCB, DCC or DCV performance data, please contact your nearest Petra sales office
- All data are based on 3 rows, 472 fins per meter cooling coil, 50 Pa external static pressure, and aluminum mesh filter

Entering Water Temperature (7.0°C), with (5.5°C) Difference between Inlet & Outlet Water Temperature

Model	FAN SPEED	AFR (L/s)	EDB (°C)	ENTERING WET BULB TEMPERATURE (°C)											
				17				18				19			
				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)
DC 20	High	759	24	13.6	10.6	0.59	20.6	15.9	10.5	0.69	27.3	18.2	10.5	0.79	35.4
			26	13.8	11.4	0.60	21.0	16.0	11.4	0.70	27.9	18.4	11.3	0.80	36.0
			27	14.0	12.3	0.61	21.5	16.2	12.3	0.70	28.4	18.5	12.2	0.80	36.5
			29	14.5	14.5	0.63	23.2	16.5	14.5	0.72	29.6	18.9	14.4	0.82	38.0
	Medium	664	24	12.4	9.5	0.54	17.2	14.4	9.5	0.63	22.7	16.5	9.5	0.72	29.4
			26	12.5	10.3	0.54	17.6	14.5	10.3	0.63	23.1	16.6	10.2	0.72	29.8
			27	12.7	11.1	0.55	18.0	14.7	11.1	0.64	23.6	16.8	11.0	0.73	30.3
			29	13.1	13.1	0.57	19.1	15.0	13.0	0.65	24.6	17.1	13.0	0.74	31.4
	Low	564	24	10.9	8.4	0.47	13.6	12.6	8.4	0.55	17.9	14.5	8.3	0.63	23.1
			26	11.0	9.1	0.48	13.8	12.8	9.1	0.55	18.2	14.6	9.0	0.63	23.4
			27	11.1	9.8	0.48	14.1	12.9	9.8	0.56	18.5	14.7	9.7	0.64	23.7
			29	11.5	11.5	0.50	15.0	13.1	11.5	0.57	19.1	14.9	11.4	0.65	24.5
DC 22	High	834	24	14.6	11.3	0.63	23.4	17.0	11.3	0.74	31.2	19.5	11.2	0.85	40.5
			26	14.8	12.3	0.64	23.9	17.2	12.2	0.75	31.8	19.7	12.2	0.86	41.3
			27	15.0	13.2	0.65	24.5	17.4	13.2	0.75	32.4	19.9	13.1	0.87	42.0
			29	15.6	15.6	0.68	26.5	17.8	15.6	0.77	33.9	20.3	15.5	0.88	43.5
	Medium	730	24	13.3	10.3	0.58	19.6	15.4	10.2	0.67	25.9	17.7	10.2	0.77	33.6
			26	13.4	11.1	0.58	19.9	15.6	11.1	0.68	26.4	17.8	11.0	0.78	34.1
			27	13.6	12.0	0.59	20.4	15.7	11.9	0.68	26.9	18.0	11.9	0.78	34.7
			29	14.1	14.1	0.61	21.9	16.1	14.0	0.70	28.0	18.4	14.0	0.80	36.0
	Low	621	24	11.7	9.1	0.51	15.6	13.6	9.0	0.59	20.5	15.6	9.0	0.68	26.5
			26	11.9	9.8	0.52	15.9	13.8	9.8	0.60	21.0	15.7	9.7	0.68	26.9
			27	12.0	10.6	0.52	16.2	13.9	10.5	0.60	21.3	15.9	10.5	0.69	27.4
			29	12.4	12.4	0.54	17.3	14.1	12.3	0.62	22.1	16.1	12.3	0.70	28.3
DC 24	High	947	24	17.2	13.3	0.75	16.7	20.0	13.3	0.87	22.2	22.9	13.2	1.00	28.8
			26	17.4	14.4	0.76	17.1	20.2	14.4	0.88	22.7	23.1	14.3	1.01	29.3
			27	17.6	15.6	0.77	17.5	20.4	15.5	0.89	23.1	23.4	15.4	1.02	29.8
			29	18.3	18.3	0.80	18.8	20.9	18.3	0.91	24.1	23.8	18.2	1.03	30.8
	Medium	890	24	16.4	12.7	0.71	15.4	19.1	12.7	0.83	20.4	21.9	12.6	0.95	26.4
			26	16.7	13.8	0.72	15.8	19.3	13.7	0.84	20.8	22.1	13.7	0.96	26.8
			27	16.8	14.8	0.73	16.1	19.5	14.8	0.85	21.2	22.3	14.7	0.97	27.3
			29	17.4	17.4	0.76	17.2	19.9	17.4	0.87	22.1	22.7	17.3	0.99	28.3
	Low	765	24	14.6	11.3	0.64	12.3	17.0	11.3	0.74	16.3	19.4	11.2	0.85	21.1
			26	14.8	12.3	0.64	12.6	17.1	12.2	0.74	16.6	19.6	12.2	0.85	21.4
			27	14.9	13.2	0.65	12.8	17.3	13.1	0.75	16.9	19.7	13.1	0.86	21.7
			29	15.5	15.5	0.67	13.8	17.6	15.5	0.77	17.5	20.1	15.4	0.87	22.4
DC 30	High	1303	24	24.2	18.4	1.05	35.3	28.0	18.3	1.22	46.5	32.1	18.3	1.40	60.0
			26	24.5	19.9	1.06	36.0	28.3	19.8	1.23	47.4	32.4	19.8	1.41	60.9
			27	24.7	21.4	1.07	36.7	28.6	21.4	1.24	48.2	32.6	21.3	1.42	61.8
			29	25.3	25.1	1.10	38.4	29.2	25.1	1.27	50.1	33.2	25.0	1.44	64.0
	Medium	1215	24	23.0	17.4	1.00	32.0	26.6	17.4	1.16	42.2	30.4	17.3	1.32	54.3
			26	23.2	18.9	1.01	32.7	26.9	18.8	1.17	43.0	30.7	18.7	1.33	55.1
			27	23.5	20.3	1.02	33.3	27.1	20.2	1.18	43.7	30.9	20.2	1.34	55.9
			29	24.0	23.8	1.04	34.8	27.7	23.7	1.20	45.4	31.5	23.7	1.37	57.7
	Low	986	24	19.6	14.9	0.85	23.7	22.6	14.8	0.98	31.2	25.8	14.7	1.12	40.0
			26	19.8	16.1	0.86	24.2	22.8	16.0	0.99	31.7	26.0	16.0	1.13	40.5
			27	19.9	17.2	0.87	24.6	23.0	17.2	1.00	32.1	26.2	17.1	1.14	41.1
			29	20.4	20.2	0.89	25.6	23.5	20.2	1.02	33.3	26.7	20.1	1.16	42.3

Legend

- AFR : Air Flow Rate
- EDB : Entering Dry Bulb Temperature
- T.CAP : Total Cooling Capacity
- S.CAP : Sensible Cooling Capacity
- WFR : Water Flow Rate
- WPD : Water Pressure Drop

Note

- Performance data is for DCP fan coil unit, for DCB, DCC or DCV performance data, please contact your nearest Petra sales office
- All data are based on 3 rows, 472 fins per meter cooling coil, 50 Pa external static pressure, and aluminum mesh filter

Performance Data - SI

Entering Water Temperature (8.0°C), with (5.5°C) Difference between Inlet & Outlet Water Temperature

Model	FAN SPEED	AFR (L/s)	EDB (°C)	ENTERING WET BULB TEMPERATURE (°C)											
				17				18				19			
				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)
DC 6	High	271	24	4.4	3.7	0.19	9.9	5.2	3.7	0.23	13.6	6.1	3.6	0.27	18.1
			26	4.5	4.0	0.20	10.3	5.3	4.0	0.23	13.9	6.2	4.0	0.27	18.5
			27	4.6	4.4	0.20	10.5	5.4	4.3	0.23	14.3	6.2	4.3	0.27	18.8
			29	5.2	5.2	0.22	13.3	5.5	5.1	0.24	14.9	6.4	5.1	0.28	19.6
	Medium	218	24	3.8	3.1	0.16	7.4	4.4	3.1	0.19	9.9	5.2	3.1	0.22	13.3
			26	3.8	3.4	0.17	7.5	4.5	3.4	0.19	10.2	5.2	3.4	0.23	13.4
			27	3.9	3.7	0.17	7.8	4.5	3.6	0.20	10.4	5.3	3.6	0.23	13.7
			29	4.4	4.4	0.19	9.6	4.6	4.3	0.20	10.8	5.4	4.3	0.23	14.2
	Low	158	24	3.0	2.4	0.13	4.7	3.5	2.4	0.15	6.4	4.0	2.4	0.17	8.3
			26	3.0	2.6	0.13	4.8	3.5	2.6	0.15	6.5	4.1	2.6	0.18	8.5
			27	3.0	2.8	0.13	4.9	3.6	2.8	0.15	6.7	4.1	2.8	0.18	8.6
			29	3.3	3.3	0.14	5.9	3.6	3.3	0.16	6.8	4.2	3.3	0.18	8.9
DC 8	High	317	24	5.0	4.2	0.22	12.5	5.9	4.1	0.26	17.0	6.9	4.1	0.30	22.6
			26	5.1	4.5	0.22	12.8	6.0	4.5	0.26	17.4	7.0	4.5	0.30	23.1
			27	5.2	4.9	0.22	13.2	6.1	4.9	0.26	17.8	7.1	4.9	0.31	23.7
			29	5.8	5.8	0.25	16.4	6.2	5.8	0.27	18.9	7.2	5.8	0.31	24.7
	Medium	271	24	4.4	3.7	0.19	9.9	5.2	3.7	0.23	13.6	6.1	3.6	0.27	18.1
			26	4.5	4.0	0.20	10.3	5.3	4.0	0.23	13.9	6.2	4.0	0.27	18.5
			27	4.6	4.4	0.20	10.5	5.4	4.3	0.23	14.3	6.2	4.3	0.27	18.8
			29	5.2	5.2	0.22	13.3	5.5	5.1	0.24	14.9	6.4	5.1	0.28	19.6
	Low	218	24	3.8	3.1	0.16	7.4	4.4	3.1	0.19	9.9	5.2	3.1	0.22	13.3
			26	3.8	3.4	0.17	7.5	4.5	3.4	0.19	10.2	5.2	3.4	0.23	13.4
			27	3.9	3.7	0.17	7.8	4.5	3.6	0.20	10.4	5.3	3.6	0.23	13.7
			29	4.4	4.4	0.19	9.6	4.6	4.3	0.20	10.8	5.4	4.3	0.23	14.2
DC 10	High	365	24	5.5	4.6	0.24	14.9	6.5	4.6	0.28	20.6	7.6	4.6	0.33	27.6
			26	5.6	5.0	0.24	15.3	6.6	5.0	0.29	21.0	7.7	5.0	0.34	28.2
			27	5.7	5.5	0.25	15.9	6.7	5.4	0.29	21.5	7.8	5.4	0.34	28.7
			29	6.5	6.5	0.28	20.4	6.9	6.5	0.30	22.9	8.0	6.5	0.35	29.9
	Medium	317	24	5.0	4.2	0.22	12.5	5.9	4.1	0.26	17.0	6.9	4.1	0.30	22.6
			26	5.1	4.5	0.22	12.8	6.0	4.5	0.26	17.4	7.0	4.5	0.30	23.1
			27	5.2	4.9	0.22	13.2	6.1	4.9	0.26	17.8	7.1	4.9	0.31	23.7
			29	5.8	5.8	0.25	16.4	6.2	5.8	0.27	18.9	7.2	5.8	0.31	24.7
	Low	271	24	4.4	3.7	0.19	9.9	5.2	3.7	0.23	13.6	6.1	3.6	0.27	18.1
			26	4.5	4.0	0.20	10.3	5.3	4.0	0.23	13.9	6.2	4.0	0.27	18.5
			27	4.6	4.4	0.20	10.5	5.4	4.3	0.23	14.3	6.2	4.3	0.27	18.8
			29	5.2	5.2	0.22	13.3	5.5	5.1	0.24	14.9	6.4	5.1	0.28	19.6
DC 11	High	438	24	6.2	5.3	0.27	18.9	7.4	5.3	0.32	26.1	8.7	5.2	0.38	35.1
			26	6.4	5.8	0.28	19.6	7.6	5.8	0.33	27.0	8.8	5.7	0.38	35.9
			27	6.4	6.3	0.28	19.9	7.6	6.2	0.33	27.6	8.9	6.2	0.39	36.7
			29	7.5	7.5	0.32	26.4	7.9	7.5	0.34	29.2	9.1	7.4	0.40	38.5
	Medium	417	24	6.0	5.1	0.26	17.8	7.2	5.1	0.31	24.7	8.4	5.0	0.37	33.0
			26	6.1	5.6	0.27	18.3	7.3	5.6	0.32	25.3	8.5	5.5	0.37	33.9
			27	6.2	6.1	0.27	18.9	7.4	6.0	0.32	25.9	8.6	6.0	0.37	34.5
			29	7.2	7.2	0.31	24.5	7.6	7.2	0.33	27.3	8.9	7.2	0.38	36.2
	Low	325	24	5.1	4.2	0.22	12.7	6.0	4.2	0.26	17.6	7.0	4.2	0.30	23.5
			26	5.2	4.6	0.22	13.2	6.1	4.6	0.26	18.0	7.1	4.6	0.31	23.9
			27	5.3	5.0	0.23	13.7	6.2	5.0	0.27	18.5	7.2	5.0	0.31	24.4
			29	5.9	5.9	0.26	17.1	6.3	5.9	0.27	19.3	7.3	5.9	0.32	25.5

Legend

- AFR : Air Flow Rate
- EDB : Entering Dry Bulb Temperature
- T.CAP : Total Cooling Capacity
- S.CAP : Sensible Cooling Capacity
- WFR : Water Flow Rate
- WPD : Water Pressure Drop

Note

- Performance data is for DCP fan coil unit, for DCB, DCC or DCV performance data, please contact your nearest Petra sales office
- All data are based on 3 rows, 472 fins per meter cooling coil, 50 Pa external static pressure, and aluminum mesh filter

Entering Water Temperature (8.0°C), with (5.5°C) Difference between Inlet & Outlet Water Temperature

Model	FAN SPEED	AFR (L/s)	EDB (°C)	ENTERING WET BULB TEMPERATURE (°C)											
				17				18				19			
				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)
DC 12	High	469	24	7.8	6.4	0.34	13.1	9.2	6.4	0.40	17.9	10.7	6.4	0.47	23.6
			26	7.9	7.0	0.34	13.4	9.3	7.0	0.41	18.3	10.8	6.9	0.47	24.0
			27	8.0	7.6	0.35	13.7	9.4	7.5	0.41	18.6	10.9	7.5	0.48	24.5
			29	8.8	8.8	0.38	16.4	9.7	8.9	0.42	19.4	11.2	8.9	0.49	25.5
	Medium	418	24	7.1	5.9	0.31	11.1	8.4	5.8	0.37	15.1	9.8	5.8	0.42	19.8
			26	7.2	6.4	0.32	11.4	8.5	6.4	0.37	15.4	9.9	6.3	0.43	20.3
			27	7.3	6.9	0.32	11.6	8.6	6.9	0.37	15.7	10.0	6.9	0.43	20.6
			29	8.2	8.2	0.35	14.2	8.8	8.1	0.38	16.3	10.2	8.1	0.44	21.4
	Low	331	24	6.0	4.9	0.26	8.0	7.0	4.9	0.31	10.8	8.2	4.8	0.35	14.2
			26	6.0	5.3	0.26	8.1	7.1	5.3	0.31	11.0	8.2	5.3	0.36	14.4
			27	6.1	5.7	0.27	8.3	7.2	5.7	0.31	11.2	8.3	5.7	0.36	14.6
			29	6.8	6.8	0.29	10.0	7.3	6.8	0.32	11.6	8.4	6.7	0.37	15.1
DC 14	High	539	24	8.7	7.2	0.38	16.0	10.3	7.1	0.45	21.7	11.9	7.1	0.52	28.8
			26	8.8	7.8	0.38	16.3	10.4	7.7	0.45	22.2	12.1	7.7	0.52	29.4
			27	8.9	8.4	0.39	16.8	10.5	8.4	0.46	22.7	12.2	8.4	0.53	30.0
			29	10.0	10.0	0.43	20.6	10.8	10.0	0.47	23.9	12.4	9.9	0.54	31.2
	Medium	469	24	7.8	6.4	0.34	13.1	9.2	6.4	0.40	17.9	10.7	6.4	0.47	23.6
			26	7.9	7.0	0.34	13.4	9.3	7.0	0.41	18.3	10.8	6.9	0.47	24.0
			27	8.0	7.6	0.35	13.7	9.4	7.5	0.41	18.6	10.9	7.5	0.48	24.5
			29	8.8	8.8	0.38	16.4	9.7	8.9	0.42	19.4	11.2	8.9	0.49	25.5
	Low	418	24	7.1	5.9	0.31	11.1	8.4	5.8	0.37	15.1	9.8	5.8	0.42	19.8
			26	7.2	6.4	0.32	11.4	8.5	6.4	0.37	15.4	9.9	6.3	0.43	20.3
			27	7.3	6.9	0.32	11.6	8.6	6.9	0.37	15.7	10.0	6.9	0.43	20.6
			29	8.2	8.2	0.35	14.2	8.8	8.1	0.38	16.3	10.2	8.1	0.44	21.4
DC 16	High	563	24	8.9	7.4	0.39	16.8	10.6	7.3	0.46	23.0	12.3	7.3	0.53	30.5
			26	9.1	8.0	0.39	17.3	10.7	8.0	0.47	23.6	12.4	8.0	0.54	31.2
			27	9.2	8.7	0.40	17.7	10.8	8.6	0.47	23.9	12.5	8.6	0.55	31.7
			29	10.3	10.3	0.45	22.0	11.1	10.3	0.48	25.3	12.9	10.3	0.56	33.2
	Medium	539	24	8.7	7.2	0.38	16.0	10.3	7.1	0.45	21.7	11.9	7.1	0.52	28.8
			26	8.8	7.8	0.38	16.3	10.4	7.7	0.45	22.2	12.1	7.7	0.52	29.4
			27	8.9	8.4	0.39	16.8	10.5	8.4	0.46	22.7	12.2	8.4	0.53	30.0
			29	10.0	10.0	0.43	20.6	10.8	10.0	0.47	23.9	12.4	9.9	0.54	31.2
	Low	469	24	7.8	6.4	0.34	13.1	9.2	6.4	0.40	17.9	10.7	6.4	0.47	23.6
			26	7.9	7.0	0.34	13.4	9.3	7.0	0.41	18.3	10.8	6.9	0.47	24.0
			27	8.0	7.6	0.35	13.7	9.4	7.5	0.41	18.6	10.9	7.5	0.48	24.5
			29	8.8	8.8	0.38	16.4	9.7	8.9	0.42	19.4	11.2	8.9	0.49	25.5
DC 18	High	664	24	10.7	8.8	0.47	13.0	12.7	8.8	0.55	17.9	14.7	8.7	0.64	23.7
			26	10.9	9.6	0.47	13.4	12.8	9.6	0.56	18.3	14.9	9.6	0.65	24.2
			27	11.0	10.4	0.48	13.8	13.0	10.4	0.56	18.7	15.1	10.3	0.65	24.7
			29	12.4	12.4	0.54	17.1	13.3	12.3	0.58	19.6	15.4	12.3	0.67	25.8
	Medium	564	24	9.4	7.8	0.41	10.3	11.2	7.8	0.49	14.1	13.0	7.7	0.56	18.7
			26	9.6	8.5	0.42	10.6	11.3	8.5	0.49	14.4	13.1	8.4	0.57	19.0
			27	9.7	9.2	0.42	10.8	11.4	9.1	0.50	14.7	13.2	9.1	0.58	19.4
			29	10.9	10.9	0.47	13.4	11.7	10.8	0.51	15.3	13.5	10.8	0.59	20.1
	Low	482	24	8.4	6.9	0.36	8.2	9.9	6.9	0.43	11.2	11.5	6.8	0.50	14.9
			26	8.5	7.5	0.37	8.5	10.0	7.5	0.44	11.5	11.6	7.5	0.50	15.1
			27	8.6	8.1	0.37	8.7	10.1	8.1	0.44	11.7	11.7	8.1	0.51	15.4
			29	9.6	9.6	0.42	10.7	10.3	9.6	0.45	12.1	11.9	9.6	0.52	15.9

Legend

- AFR : Air Flow Rate
- EDB : Entering Dry Bulb Temperature
- T.CAP : Total Cooling Capacity
- S.CAP : Sensible Cooling Capacity
- WFR : Water Flow Rate
- WPD : Water Pressure Drop

Note

- Performance data is for DCP fan coil unit, for DCB, DCC or DCV performance data, please contact your nearest Petra sales office
- All data are based on 3 rows, 472 fins per meter cooling coil, 50 Pa external static pressure, and aluminum mesh filter

Performance Data - SI

Entering Water Temperature (8.0°C), with (5.5°C) Difference between Inlet & Outlet Water Temperature

Model	FAN SPEED	AFR (L/s)	EDB (°C)	ENTERING WET BULB TEMPERATURE (°C)											
				17				18				19			
				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)
DC 20	High	759	24	11.8	9.8	0.51	15.5	13.9	9.7	0.61	21.4	16.3	9.7	0.71	28.5
			26	11.9	10.7	0.52	16.0	14.1	10.6	0.61	21.9	16.4	10.6	0.72	29.1
			27	12.1	11.6	0.53	16.4	14.3	11.5	0.62	22.5	16.6	11.4	0.72	29.7
			29	13.7	13.7	0.60	20.8	14.7	13.7	0.64	23.6	17.0	13.6	0.74	31.1
	Medium	664	24	10.7	8.8	0.47	13.0	12.7	8.8	0.55	17.9	14.7	8.7	0.64	23.7
			26	10.9	9.6	0.47	13.4	12.8	9.6	0.56	18.3	14.9	9.6	0.65	24.2
			27	11.0	10.4	0.48	13.8	13.0	10.4	0.56	18.7	15.1	10.3	0.65	24.7
			29	12.4	12.4	0.54	17.1	13.3	12.3	0.58	19.6	15.4	12.3	0.67	25.8
	Low	564	24	9.4	7.8	0.41	10.3	11.2	7.8	0.49	14.1	13.0	7.7	0.56	18.7
			26	9.6	8.5	0.42	10.6	11.3	8.5	0.49	14.4	13.1	8.4	0.57	19.0
			27	9.7	9.2	0.42	10.8	11.4	9.1	0.50	14.7	13.2	9.1	0.58	19.4
			29	10.9	10.9	0.47	13.4	11.7	10.8	0.51	15.3	13.5	10.8	0.59	20.1
DC 22	High	834	24	12.6	10.5	0.55	17.6	14.9	10.4	0.65	24.3	17.4	10.4	0.76	32.5
			26	12.8	11.5	0.56	18.2	15.1	11.4	0.66	24.9	17.6	11.3	0.77	33.2
			27	13.0	12.4	0.56	18.6	15.3	12.4	0.67	25.6	17.8	12.3	0.77	33.8
			29	14.7	14.7	0.64	23.7	15.8	14.7	0.69	26.9	18.3	14.7	0.79	35.5
	Medium	730	24	11.4	9.5	0.50	14.8	13.6	9.5	0.59	20.3	15.8	9.4	0.69	27.0
			26	11.6	10.4	0.51	15.2	13.7	10.3	0.60	20.8	16.0	10.3	0.69	27.6
			27	11.8	11.2	0.51	15.6	13.9	11.2	0.60	21.3	16.1	11.1	0.70	28.1
			29	13.3	13.3	0.58	19.5	14.3	13.3	0.62	22.4	16.5	13.2	0.72	29.4
	Low	621	24	10.2	8.4	0.44	11.8	12.0	8.3	0.52	16.2	14.0	8.3	0.61	21.4
			26	10.3	9.1	0.45	12.1	12.2	9.1	0.53	16.6	14.1	9.1	0.61	21.9
			27	10.4	9.9	0.45	12.4	12.3	9.8	0.53	16.9	14.2	9.8	0.62	22.2
			29	11.6	11.6	0.50	15.1	12.6	11.7	0.55	17.8	14.6	11.7	0.63	23.2
DC 24	High	947	24	14.8	12.4	0.65	12.6	17.6	12.3	0.77	17.4	20.5	12.2	0.89	23.1
			26	15.1	13.5	0.66	13.0	17.8	13.4	0.78	17.8	20.7	13.3	0.90	23.6
			27	15.3	14.4	0.67	13.4	18.0	14.5	0.78	18.2	20.9	14.5	0.91	24.1
			29	17.3	17.3	0.75	16.8	18.5	17.3	0.81	19.2	21.4	17.2	0.93	25.2
	Medium	890	24	14.2	11.8	0.62	11.6	16.8	11.7	0.73	15.9	19.6	11.7	0.85	21.3
			26	14.4	12.8	0.63	12.0	17.0	12.8	0.74	16.4	19.8	12.7	0.86	21.7
			27	14.6	13.9	0.64	12.3	17.3	13.8	0.75	16.7	20.0	13.8	0.87	22.2
			29	16.5	16.5	0.72	15.3	17.7	16.5	0.77	17.6	20.5	16.4	0.89	23.1
	Low	765	24	12.6	10.5	0.55	9.3	15.0	10.4	0.65	12.8	17.4	10.4	0.76	17.0
			26	12.9	11.4	0.56	9.6	15.1	11.4	0.66	13.1	17.6	11.3	0.76	17.3
			27	13.0	12.4	0.57	9.9	15.3	12.3	0.67	13.4	17.7	12.3	0.77	17.7
			29	14.6	14.6	0.64	12.3	15.7	14.6	0.68	14.0	18.1	14.6	0.79	18.4
DC 30	High	1303	24	21.0	17.1	0.91	27.0	24.8	17.0	1.08	36.8	28.8	16.9	1.25	48.6
			26	21.3	18.6	0.93	27.7	25.1	18.5	1.09	37.6	29.1	18.4	1.26	49.6
			27	21.6	20.1	0.94	28.3	25.4	20.0	1.10	38.4	29.4	20.0	1.28	50.5
			29	23.8	23.8	1.03	34.0	26.0	23.7	1.13	40.3	30.0	23.7	1.31	52.6
	Medium	1215	24	20.0	16.2	0.87	24.5	23.5	16.1	1.02	33.3	27.3	16.1	1.19	44.1
			26	20.3	17.6	0.88	25.2	23.8	17.5	1.04	34.1	27.6	17.5	1.20	44.9
			27	20.5	19.0	0.89	25.8	24.1	19.0	1.05	34.8	27.9	18.9	1.21	45.8
			29	22.5	22.5	0.98	30.7	24.7	22.5	1.07	36.5	28.5	22.4	1.24	47.6
	Low	986	24	17.1	13.8	0.74	18.3	20.1	13.7	0.87	24.7	23.2	13.7	1.01	32.5
			26	17.3	15.0	0.75	18.7	20.3	14.9	0.88	25.3	23.5	14.9	1.02	33.1
			27	17.5	16.2	0.76	19.1	20.5	16.1	0.89	25.8	23.7	16.1	1.03	33.8
			29	19.0	19.0	0.83	22.4	21.0	19.1	0.91	26.9	24.1	19.0	1.05	34.9

Legend

- AFR : Air Flow Rate
- EDB : Entering Dry Bulb Temperature
- T.CAP : Total Cooling Capacity
- S.CAP : Sensible Cooling Capacity
- WFR : Water Flow Rate
- WPD : Water Pressure Drop

Note

- Performance data is for DCP fan coil unit, for DCB, DCC or DCV performance data, please contact your nearest Petra sales office
- All data are based on 3 rows, 472 fins per meter cooling coil, 50 Pa external static pressure, and aluminum mesh filter

Performance Data - IMP

Entering Water Temperature (44°F), with (10°F) Difference between Inlet & Outlet Water Temperature

Model	FAN SPEED	AFR (CFM)	EDB (°F)	ENTERING WET BULB TEMPERATURE (°F)											
				63				65				67			
				T.CAP (MBH)	S.CAP (MBH)	WFR (GPM)	WPD (ft H_2O)	T.CAP (MBH)	S.CAP (MBH)	WFR (GPM)	WPD (ft H_2O)	T.CAP (MBH)	S.CAP (MBH)	WFR (GPM)	WPD (ft H_2O)
DC 6	High	574	76	18.8	13.9	3.8	4.9	21.9	13.8	4.4	6.6	25.3	13.7	5.1	8.6
			78	18.9	15.0	3.8	5.0	22.1	14.9	4.4	6.7	25.6	14.9	5.1	8.8
			80	19.1	16.1	3.8	5.1	22.4	16.0	4.5	6.8	25.7	16.0	5.1	8.9
			85	19.6	18.9	3.9	5.3	22.8	18.8	4.6	7.1	26.1	18.7	5.2	9.1
	Medium	462	76	15.8	11.7	3.2	3.6	18.5	11.6	3.7	4.8	21.4	11.6	4.3	6.3
			78	16.0	12.6	3.2	3.7	18.7	12.6	3.7	4.9	21.6	12.5	4.3	6.4
			80	16.1	13.5	3.2	3.7	18.8	13.5	3.8	4.9	21.6	13.5	4.3	6.4
			85	16.5	15.9	3.3	3.9	19.1	15.8	3.8	5.1	22.0	15.8	4.4	6.6
	Low	335	76	12.4	9.0	2.5	2.3	14.3	9.0	2.9	3.0	16.4	8.9	3.3	3.8
			78	12.5	9.7	2.5	2.3	14.6	9.7	2.9	3.1	16.6	9.7	3.3	3.9
			80	12.7	10.5	2.5	2.4	14.7	10.4	2.9	3.1	16.8	10.4	3.4	4.0
			85	12.8	12.2	2.6	2.4	14.9	12.2	3.0	3.2	17.0	12.2	3.4	4.1
DC 8	High	671	76	21.2	15.6	4.2	6.2	24.8	15.5	5.0	8.3	28.6	15.4	5.7	10.8
			78	21.4	16.9	4.3	6.3	25.1	16.8	5.0	8.5	28.9	16.7	5.8	11.0
			80	21.7	18.2	4.3	6.4	25.3	18.1	5.1	8.6	29.2	18.0	5.8	11.2
			85	22.1	21.3	4.4	6.7	25.8	21.3	5.2	9.0	29.6	21.2	5.9	11.6
	Medium	574	76	18.8	13.9	3.8	4.9	21.9	13.8	4.4	6.6	25.3	13.7	5.1	8.6
			78	18.9	15.0	3.8	5.0	22.1	14.9	4.4	6.7	25.6	14.9	5.1	8.8
			80	19.1	16.1	3.8	5.1	22.4	16.0	4.5	6.8	25.7	16.0	5.1	8.9
			85	19.6	18.9	3.9	5.3	22.8	18.8	4.6	7.1	26.1	18.7	5.2	9.1
	Low	462	76	15.8	11.7	3.2	3.6	18.5	11.6	3.7	4.8	21.4	11.6	4.3	6.3
			78	16.0	12.6	3.2	3.7	18.7	12.6	3.7	4.9	21.6	12.5	4.3	6.4
			80	16.1	13.5	3.2	3.7	18.8	13.5	3.8	4.9	21.6	13.5	4.3	6.4
			85	16.5	15.9	3.3	3.9	19.1	15.8	3.8	5.1	22.0	15.8	4.4	6.6
DC 10	High	774	76	23.6	17.4	4.7	7.5	27.5	17.3	5.5	10.1	31.9	17.2	6.4	13.2
			78	23.8	18.8	4.8	7.6	27.8	18.7	5.6	10.3	32.2	18.7	6.4	13.5
			80	24.0	20.3	4.8	7.8	28.1	20.2	5.6	10.4	32.4	20.1	6.5	13.7
			85	24.7	23.9	4.9	8.2	28.7	23.7	5.7	10.9	33.0	23.7	6.6	14.2
	Medium	671	76	21.2	15.6	4.2	6.2	24.8	15.5	5.0	8.3	28.6	15.4	5.7	10.8
			78	21.4	16.9	4.3	6.3	25.1	16.8	5.0	8.5	28.9	16.7	5.8	11.0
			80	21.7	18.2	4.3	6.4	25.3	18.1	5.1	8.6	29.2	18.0	5.8	11.2
			85	22.1	21.3	4.4	6.7	25.8	21.3	5.2	9.0	29.6	21.2	5.9	11.6
	Low	574	76	18.8	13.9	3.8	4.9	21.9	13.8	4.4	6.6	25.3	13.7	5.1	8.6
			78	18.9	15.0	3.8	5.0	22.1	14.9	4.4	6.7	25.6	14.9	5.1	8.8
			80	19.1	16.1	3.8	5.1	22.4	16.0	4.5	6.8	25.7	16.0	5.1	8.9
			85	19.6	18.9	3.9	5.3	22.8	18.8	4.6	7.1	26.1	18.7	5.2	9.1
DC 11	High	928	76	26.8	19.9	5.4	9.6	31.5	19.8	6.3	13.0	36.5	19.7	7.3	17.1
			78	27.0	21.6	5.4	9.7	31.8	21.5	6.4	13.2	36.9	21.4	7.4	17.4
			80	27.4	23.3	5.5	10.0	32.2	23.2	6.4	13.5	37.2	23.0	7.4	17.7
			85	28.1	27.4	5.6	10.5	32.9	27.3	6.6	14.0	37.9	27.2	7.6	18.3
	Medium	883	76	25.9	19.2	5.2	9.0	30.4	19.1	6.1	12.2	35.3	19.0	7.1	16.0
			78	26.2	20.8	5.2	9.2	30.8	20.7	6.2	12.4	35.6	20.6	7.1	16.3
			80	26.4	22.4	5.3	9.3	31.0	22.3	6.2	12.6	35.9	22.2	7.2	16.5
			85	27.1	26.4	5.4	9.8	31.7	26.3	6.3	13.1	36.5	26.1	7.3	17.0
	Low	688	76	21.5	15.9	4.3	6.4	25.2	15.8	5.0	8.6	29.2	15.7	5.8	11.2
			78	21.8	17.2	4.4	6.5	25.6	17.2	5.1	8.8	29.5	17.1	5.9	11.4
			80	22.0	18.5	4.4	6.6	25.8	18.5	5.2	8.9	29.6	18.3	5.9	11.5
			85	22.6	21.8	4.5	6.9	26.3	21.7	5.3	9.2	30.3	21.6	6.1	12.0

Legend

- AFR : Air Flow Rate
- EDB : Entering Dry Bulb Temperature
- T.CAP : Total Cooling Capacity
- S.CAP : Sensible Cooling Capacity
- WFR : Water Flow Rate
- WPD : Water Pressure Drop

Note

- Performance data is for DCP fan coil unit, for DCB, DCC or DCV performance data, please contact your nearest Petra sales office
- All data are based on 3 rows, 12 fins per inch cooling coil, 0.2 inch of water external static pressure, and aluminum mesh filter

Performance Data - IMP

Entering Water Temperature (44°F), with (10°F) Difference between Inlet & Outlet Water Temperature

Model	FAN SPEED	AFR (CFM)	EDB (°F)	ENTERING WET BULB TEMPERATURE (°F)											
				63				65				67			
				T.CAP (MBH)	S.CAP (MBH)	WFR (GPM)	WPD (ft H_2O)	T.CAP (MBH)	S.CAP (MBH)	WFR (GPM)	WPD (ft H_2O)	T.CAP (MBH)	S.CAP (MBH)	WFR (GPM)	WPD (ft H_2O)
DC 12	High	994	76	33.0	24.1	6.6	6.4	38.5	24.0	7.7	8.6	44.4	23.9	8.9	11.2
			78	33.3	26.0	6.7	6.5	38.8	25.9	7.8	8.7	44.7	25.8	8.9	11.3
			80	33.6	28.0	6.7	6.7	39.1	27.9	7.8	8.9	45.0	27.7	9.0	11.5
			85	34.3	32.8	6.9	6.9	39.9	32.7	8.0	9.2	45.7	32.6	9.1	11.8
	Medium	886	76	30.2	22.0	6.0	5.4	35.1	21.9	7.0	7.2	40.5	21.8	8.1	9.4
			78	30.4	23.8	6.1	5.5	35.4	23.7	7.1	7.4	40.8	23.6	8.2	9.6
			80	30.7	25.6	6.1	5.6	35.7	25.5	7.1	7.5	41.1	25.4	8.2	9.7
			85	31.2	29.9	6.2	5.8	36.3	29.8	7.3	7.7	41.6	29.7	8.3	9.9
	Low	701	76	25.1	18.3	5.0	3.9	29.3	18.2	5.9	5.2	33.5	18.1	6.7	6.6
			78	25.4	19.8	5.1	3.9	29.4	19.7	5.9	5.2	33.8	19.6	6.8	6.7
			80	25.5	21.2	5.1	4.0	29.7	21.1	5.9	5.3	34.1	21.1	6.8	6.8
			85	26.0	24.8	5.2	4.1	30.0	24.6	6.0	5.4	34.4	24.6	6.9	7.0
DC 14	High	1143	76	36.6	26.8	7.3	7.8	42.9	26.7	8.6	10.5	49.5	26.6	9.9	13.8
			78	37.2	29.0	7.4	8.0	43.4	28.9	8.7	10.7	49.9	28.8	10.0	14.0
			80	37.5	31.2	7.5	8.2	43.7	31.0	8.7	10.9	50.3	30.9	10.1	14.1
			85	38.3	36.6	7.7	8.5	44.5	36.4	8.9	11.2	51.1	36.3	10.2	14.6
	Medium	994	76	33.0	24.1	6.6	6.4	38.5	24.0	7.7	8.6	44.4	23.9	8.9	11.2
			78	33.3	26.0	6.7	6.5	38.8	25.9	7.8	8.7	44.7	25.8	8.9	11.3
			80	33.6	28.0	6.7	6.7	39.1	27.9	7.8	8.9	45.0	27.7	9.0	11.5
			85	34.3	32.8	6.9	6.9	39.9	32.7	8.0	9.2	45.7	32.6	9.1	11.8
	Low	886	76	30.2	22.0	6.0	5.4	35.1	21.9	7.0	7.2	40.5	21.8	8.1	9.4
			78	30.4	23.8	6.1	5.5	35.4	23.7	7.1	7.4	40.8	23.6	8.2	9.6
			80	30.7	25.6	6.1	5.6	35.7	25.5	7.1	7.5	41.1	25.4	8.2	9.7
			85	31.2	29.9	6.2	5.8	36.3	29.8	7.3	7.7	41.6	29.7	8.3	9.9
DC 16	High	1192	76	37.9	27.7	7.6	8.3	44.3	27.6	8.9	11.2	51.1	27.4	10.2	14.6
			78	38.3	30.0	7.7	8.5	44.7	29.8	8.9	11.4	51.5	29.7	10.3	14.8
			80	38.6	32.2	7.7	8.6	45.1	32.1	9.0	11.6	51.9	31.9	10.4	15.0
			85	39.5	37.8	7.9	9.0	46.0	37.7	9.2	12.0	52.8	37.5	10.6	15.5
	Medium	1143	76	36.6	26.8	7.3	7.8	42.9	26.7	8.6	10.5	49.5	26.6	9.9	13.8
			78	37.2	29.0	7.4	8.0	43.4	28.9	8.7	10.7	49.9	28.8	10.0	14.0
			80	37.5	31.2	7.5	8.2	43.7	31.0	8.7	10.9	50.3	30.9	10.1	14.1
			85	38.3	36.6	7.7	8.5	44.5	36.4	8.9	11.2	51.1	36.3	10.2	14.6
	Low	994	76	33.0	24.1	6.6	6.4	38.5	24.0	7.7	8.6	44.4	23.9	8.9	11.2
			78	33.3	26.0	6.7	6.5	38.8	25.9	7.8	8.7	44.7	25.8	8.9	11.3
			80	33.6	28.0	6.7	6.7	39.1	27.9	7.8	8.9	45.0	27.7	9.0	11.5
			85	34.3	32.8	6.9	6.9	39.9	32.7	8.0	9.2	45.7	32.6	9.1	11.8
DC 18	High	1408	76	45.4	33.2	9.1	6.5	53.0	33.1	10.6	8.7	61.2	32.9	12.2	11.3
			78	45.8	35.9	9.2	6.6	53.6	35.8	10.7	8.8	61.7	35.6	12.3	11.5
			80	46.3	38.6	9.3	6.7	54.0	38.5	10.8	9.0	62.2	38.3	12.4	11.7
			85	47.5	45.3	9.5	7.0	55.1	45.1	11.0	9.3	63.2	45.0	12.6	12.1
	Medium	1196	76	39.9	29.3	8.0	5.1	46.6	29.1	9.3	6.8	53.8	29.0	10.8	8.9
			78	40.2	31.6	8.0	5.2	47.1	31.5	9.4	6.9	54.2	31.4	10.8	9.0
			80	40.6	34.0	8.1	5.3	47.4	33.9	9.5	7.0	54.6	33.8	10.9	9.1
			85	41.5	39.9	8.3	5.5	48.3	39.7	9.7	7.3	55.4	39.6	11.1	9.4
	Low	1022	76	35.4	25.9	7.1	4.1	41.3	25.8	8.3	5.4	47.4	25.7	9.5	7.0
			78	35.7	28.0	7.1	4.1	41.5	27.8	8.3	5.5	47.8	27.7	9.6	7.1
			80	35.9	30.0	7.2	4.2	41.9	29.9	8.4	5.6	48.1	29.8	9.6	7.2
			85	36.6	35.1	7.3	4.3	42.6	35.0	8.5	5.7	48.8	34.9	9.8	7.4

Legend

- AFR : Air Flow Rate
- EDB : Entering Dry Bulb Temperature
- T.CAP : Total Cooling Capacity
- S.CAP : Sensible Cooling Capacity
- WFR : Water Flow Rate
- WPD : Water Pressure Drop

Note

- Performance data is for DCP fan coil unit, for DCB, DCC or DCV performance data, please contact your nearest Petra sales office
- All data are based on 3 rows, 12 fins per inch cooling coil, 0.2 inch of water external static pressure, and aluminum mesh filter

Entering Water Temperature (44°F), with (10°F) Difference between Inlet & Outlet Water Temperature

Model	FAN SPEED	AFR (CFM)	EDB (°F)	ENTERING WET BULB TEMPERATURE (°F)											
				63				65				67			
				T.CAP (MBH)	S.CAP (MBH)	WFR (GPM)	WPD (ft H_2O)	T.CAP (MBH)	S.CAP (MBH)	WFR (GPM)	WPD (ft H_2O)	T.CAP (MBH)	S.CAP (MBH)	WFR (GPM)	WPD (ft H_2O)
DC 20	High	1608	76	50.0	36.7	10.0	7.8	58.6	36.6	11.7	10.5	67.7	36.4	13.5	13.7
			78	50.6	39.8	10.1	7.9	59.1	39.6	11.8	10.6	68.2	39.4	13.6	13.9
			80	51.1	42.8	10.2	8.1	59.6	42.6	11.9	10.8	68.8	42.4	13.8	14.1
			85	52.3	50.2	10.5	8.4	60.9	50.0	12.2	11.2	70.0	49.9	14.0	14.6
	Medium	1408	76	45.4	33.2	9.1	6.5	53.0	33.1	10.6	8.7	61.2	32.9	12.2	11.3
			78	45.8	35.9	9.2	6.6	53.6	35.8	10.7	8.8	61.7	35.6	12.3	11.5
			80	46.3	38.6	9.3	6.7	54.0	38.5	10.8	9.0	62.2	38.3	12.4	11.7
			85	47.5	45.3	9.5	7.0	55.1	45.1	11.0	9.3	63.2	45.0	12.6	12.1
	Low	1196	76	39.9	29.3	8.0	5.1	46.6	29.1	9.3	6.8	53.8	29.0	10.8	8.9
			78	40.2	31.6	8.0	5.2	47.1	31.5	9.4	6.9	54.2	31.4	10.8	9.0
			80	40.6	34.0	8.1	5.3	47.4	33.9	9.5	7.0	54.6	33.8	10.9	9.1
			85	41.5	39.9	8.3	5.5	48.3	39.7	9.7	7.3	55.4	39.6	11.1	9.4
DC 22	High	1768	76	53.6	39.5	10.7	8.8	62.9	39.3	12.6	11.9	72.8	39.1	14.6	15.7
			78	54.2	42.7	10.8	9.0	63.5	42.5	12.7	12.2	73.4	42.4	14.7	16.0
			80	54.8	46.0	11.0	9.2	64.1	45.8	12.8	12.4	73.9	45.6	14.8	16.2
			85	56.1	54.0	11.2	9.6	65.5	53.9	13.1	12.9	75.3	53.6	15.1	16.7
	Medium	1548	76	48.6	35.7	9.7	7.3	57.0	35.6	11.4	9.9	65.7	35.3	13.1	13.0
			78	49.1	38.6	9.8	7.5	57.5	38.4	11.5	10.1	66.3	38.3	13.3	13.2
			80	49.7	41.5	9.9	7.7	58.0	41.4	11.6	10.3	66.8	41.2	13.4	13.4
			85	50.9	48.8	10.2	8.0	59.2	48.6	11.8	10.6	68.0	48.5	13.6	13.8
	Low	1315	76	43.0	31.5	8.6	5.8	50.3	31.4	10.1	7.8	57.9	31.2	11.6	10.2
			78	43.5	34.1	8.7	6.0	50.7	33.9	10.1	8.0	58.3	33.7	11.7	10.4
			80	43.9	36.6	8.8	6.1	51.1	36.5	10.2	8.1	58.9	36.3	11.8	10.5
			85	44.8	42.9	9.0	6.3	52.1	42.8	10.4	8.4	59.8	42.7	12.0	10.9
DC 24	High	2006	76	63.1	46.4	12.6	6.3	73.9	46.2	14.8	8.5	85.4	45.9	17.1	11.1
			78	63.8	50.2	12.8	6.4	74.5	50.0	14.9	8.6	86.1	49.8	17.2	11.3
			80	64.4	54.0	12.9	6.6	75.3	53.8	15.1	8.8	86.7	53.6	17.3	11.5
			85	66.0	63.4	13.2	6.9	76.8	63.2	15.4	9.1	88.2	63.0	17.6	11.9
	Medium	1886	76	60.3	44.3	12.1	5.8	70.5	44.0	14.1	7.8	81.4	43.8	16.3	10.2
			78	60.9	47.9	12.2	5.9	71.3	47.7	14.3	7.9	82.1	47.5	16.4	10.4
			80	61.6	51.5	12.3	6.0	71.9	51.3	14.4	8.1	82.7	51.1	16.5	10.5
			85	63.1	60.5	12.6	6.3	73.3	60.2	14.7	8.4	84.2	60.0	16.8	10.8
	Low	1621	76	53.6	39.4	10.7	4.6	62.7	39.2	12.5	6.2	72.2	39.0	14.4	8.1
			78	54.2	42.6	10.8	4.7	63.2	42.4	12.6	6.3	72.7	42.2	14.5	8.2
			80	54.6	45.8	10.9	4.8	63.7	45.6	12.7	6.4	73.3	45.4	14.7	8.4
			85	55.7	53.6	11.1	5.0	64.8	53.5	13.0	6.6	74.4	53.3	14.9	8.6
DC 30	High	2761	76	88.7	64.1	17.7	13.3	103.5	63.9	20.7	17.7	119.2	63.6	23.8	23.1
			78	89.6	69.3	17.9	13.5	104.3	69.0	20.9	18.0	120.0	68.6	24.0	23.4
			80	90.4	74.3	18.1	13.8	105.3	74.1	21.1	18.3	121.0	73.9	24.2	23.8
			85	92.4	87.1	18.5	14.3	107.2	86.8	21.4	19.0	122.9	86.6	24.6	24.5
	Medium	2574	76	84.1	60.8	16.8	12.0	98.1	60.5	19.6	16.0	112.9	60.3	22.6	20.9
			78	84.9	65.6	17.0	12.2	98.9	65.4	19.8	16.3	113.8	65.1	22.8	21.2
			80	85.8	70.5	17.2	12.5	99.8	70.2	20.0	16.6	114.6	70.0	22.9	21.5
			85	87.5	82.4	17.5	13.0	101.7	82.2	20.3	17.2	116.4	82.0	23.3	22.1
	Low	2090	76	71.5	51.7	14.3	8.9	83.4	51.5	16.7	11.8	95.9	51.4	19.2	15.4
			78	72.3	55.8	14.5	9.1	84.1	55.6	16.8	12.0	96.5	55.4	19.3	15.5
			80	72.8	59.9	14.6	9.2	84.7	59.7	16.9	12.2	97.1	59.5	19.4	15.7
			85	74.3	70.0	14.9	9.5	86.0	69.8	17.2	12.5	98.5	69.6	19.7	16.2

Legend

- AFR : Air Flow Rate
- EDB : Entering Dry Bulb Temperature
- T.CAP : Total Cooling Capacity
- S.CAP : Sensible Cooling Capacity
- WFR : Water Flow Rate
- WPD : Water Pressure Drop

Note

- Performance data is for DCP fan coil unit, for DCB, DCC or DCV performance data, please contact your nearest Petra sales office
- All data are based on 3 rows, 12 fins per inch cooling coil, 0.2 inch of water external static pressure, and aluminum mesh filter

Performance Data - IMP

Entering Water Temperature (45°F), with (10°F) Difference between Inlet & Outlet Water Temperature

Model	FAN SPEED	AFR (CFM)	EDB (°F)	ENTERING WET BULB TEMPERATURE (°F)											
				63				65				67			
				T.CAP (MBH)	S.CAP (MBH)	WFR (GPM)	WPD (ft H_2O)	T.CAP (MBH)	S.CAP (MBH)	WFR (GPM)	WPD (ft H_2O)	T.CAP (MBH)	S.CAP (MBH)	WFR (GPM)	WPD (ft H_2O)
DC 6	High	574	76	17.5	13.3	3.5	4.3	20.6	13.2	4.1	5.8	24.0	13.2	4.8	7.8
			78	17.6	14.4	3.5	4.4	20.9	14.4	4.2	6.0	24.1	14.3	4.8	7.9
			80	17.9	15.6	3.6	4.5	21.1	15.5	4.2	6.1	24.4	15.4	4.9	8.0
			85	18.3	18.3	3.7	4.7	21.5	18.3	4.3	6.3	24.8	18.2	5.0	8.2
	Medium	462	76	14.8	11.2	3.0	3.2	17.4	11.2	3.5	4.3	20.2	11.1	4.0	5.7
			78	15.0	12.2	3.0	3.2	17.7	12.2	3.5	4.4	20.4	12.1	4.1	5.8
			80	15.1	13.1	3.0	3.3	17.8	13.1	3.6	4.4	20.6	13.0	4.1	5.8
			85	15.4	15.4	3.1	3.4	18.1	15.4	3.6	4.6	20.9	15.3	4.2	6.0
	Low	335	76	11.6	8.7	2.3	2.0	13.5	8.6	2.7	2.7	15.7	8.6	3.1	3.5
			78	11.6	9.4	2.3	2.0	13.7	9.3	2.7	2.7	15.8	9.3	3.2	3.6
			80	11.8	10.1	2.4	2.1	13.8	10.1	2.8	2.8	16.0	10.1	3.2	3.6
			85	12.0	11.9	2.4	2.2	14.1	11.8	2.8	2.9	16.1	11.8	3.2	3.7
DC 8	High	671	76	19.7	15.0	3.9	5.4	23.2	14.9	4.6	7.3	27.1	14.8	5.4	9.8
			78	19.9	16.3	4.0	5.5	23.5	16.2	4.7	7.5	27.3	16.1	5.5	9.9
			80	20.2	17.6	4.0	5.6	23.8	17.5	4.8	7.6	27.6	17.4	5.5	10.1
			85	20.8	20.8	4.2	5.9	24.3	20.6	4.9	8.0	28.2	20.6	5.6	10.5
	Medium	574	76	17.5	13.3	3.5	4.3	20.6	13.2	4.1	5.8	24.0	13.2	4.8	7.8
			78	17.6	14.4	3.5	4.4	20.9	14.4	4.2	6.0	24.1	14.3	4.8	7.9
			80	17.9	15.6	3.6	4.5	21.1	15.5	4.2	6.1	24.4	15.4	4.9	8.0
			85	18.3	18.3	3.7	4.7	21.5	18.3	4.3	6.3	24.8	18.2	5.0	8.2
	Low	462	76	14.8	11.2	3.0	3.2	17.4	11.2	3.5	4.3	20.2	11.1	4.0	5.7
			78	15.0	12.2	3.0	3.2	17.7	12.2	3.5	4.4	20.4	12.1	4.1	5.8
			80	15.1	13.1	3.0	3.3	17.8	13.1	3.6	4.4	20.6	13.0	4.1	5.8
			85	15.4	15.4	3.1	3.4	18.1	15.4	3.6	4.6	20.9	15.3	4.2	6.0
DC 10	High	774	76	21.8	16.7	4.4	6.5	25.8	16.6	5.2	8.9	30.2	16.5	6.0	11.9
			78	22.0	18.1	4.4	6.6	26.1	18.0	5.2	9.1	30.5	18.0	6.1	12.2
			80	22.4	19.6	4.5	6.8	26.4	19.5	5.3	9.3	30.7	19.4	6.1	12.3
			85	23.1	23.1	4.6	7.3	27.0	23.1	5.4	9.7	31.4	23.0	6.3	12.8
	Medium	671	76	19.7	15.0	3.9	5.4	23.2	14.9	4.6	7.3	27.1	14.8	5.4	9.8
			78	19.9	16.3	4.0	5.5	23.5	16.2	4.7	7.5	27.3	16.1	5.5	9.9
			80	20.2	17.6	4.0	5.6	23.8	17.5	4.8	7.6	27.6	17.4	5.5	10.1
			85	20.8	20.8	4.2	5.9	24.3	20.6	4.9	8.0	28.2	20.6	5.6	10.5
	Low	574	76	17.5	13.3	3.5	4.3	20.6	13.2	4.1	5.8	24.0	13.2	4.8	7.8
			78	17.6	14.4	3.5	4.4	20.9	14.4	4.2	6.0	24.1	14.3	4.8	7.9
			80	17.9	15.6	3.6	4.5	21.1	15.5	4.2	6.1	24.4	15.4	4.9	8.0
			85	18.3	18.3	3.7	4.7	21.5	18.3	4.3	6.3	24.8	18.2	5.0	8.2
DC 11	High	928	76	24.8	19.1	5.0	8.2	29.6	19.0	5.9	11.5	34.5	18.9	6.9	15.3
			78	25.2	20.8	5.0	8.5	29.9	20.7	6.0	11.7	34.9	20.6	7.0	15.6
			80	25.5	22.5	5.1	8.7	30.2	22.4	6.0	12.0	35.2	22.2	7.0	15.9
			85	26.6	26.6	5.3	9.4	31.0	26.5	6.2	12.5	35.9	26.4	7.2	16.5
	Medium	883	76	24.0	18.4	4.8	7.8	28.5	18.3	5.7	10.7	33.3	18.2	6.7	14.3
			78	24.3	20.0	4.9	8.0	28.8	19.9	5.8	11.0	33.6	19.8	6.7	14.6
			80	24.6	21.6	4.9	8.1	29.1	21.5	5.8	11.2	33.9	21.4	6.8	14.8
			85	25.6	25.6	5.1	8.8	29.8	25.5	6.0	11.7	34.6	25.4	6.9	15.4
	Low	688	76	20.0	15.3	4.0	5.5	23.7	15.2	4.7	7.6	27.7	15.1	5.5	10.1
			78	20.3	16.6	4.1	5.7	24.0	16.5	4.8	7.8	28.0	16.5	5.6	10.3
			80	20.5	17.9	4.1	5.8	24.3	17.8	4.9	7.9	28.1	17.7	5.6	10.4
			85	21.2	21.2	4.2	6.2	24.8	21.1	5.0	8.2	28.6	21.0	5.7	10.8

Legend

- AFR : Air Flow Rate
- EDB : Entering Dry Bulb Temperature
- T.CAP : Total Cooling Capacity
- S.CAP : Sensible Cooling Capacity
- WFR : Water Flow Rate
- WPD : Water Pressure Drop

Note

- Performance data is for DCP fan coil unit, for DCB, DCC or DCV performance data, please contact your nearest Petra sales office
- All data are based on 3 rows, 12 fins per inch cooling coil, 0.2 inch of water external static pressure, and aluminum mesh filter

Entering Water Temperature (45°F), with (10°F) Difference between Inlet & Outlet Water Temperature

Model	FAN SPEED	AFR (CFM)	EDB (°F)	ENTERING WET BULB TEMPERATURE (°F)											
				63				65				67			
				T.CAP (MBH)	S.CAP (MBH)	WFR (GPM)	WPD (ft H_2O)	T.CAP (MBH)	S.CAP (MBH)	WFR (GPM)	WPD (ft H_2O)	T.CAP (MBH)	S.CAP (MBH)	WFR (GPM)	WPD (ft H_2O)
DC 12	High	994	76	30.8	23.2	6.2	5.6	36.2	23.0	7.2	7.6	42.0	22.9	8.4	10.1
			78	31.0	25.1	6.2	5.7	36.5	24.9	7.3	7.7	42.4	24.9	8.5	10.3
			80	31.4	27.0	6.3	5.9	36.8	26.9	7.4	7.9	42.7	26.8	8.5	10.4
			85	32.1	31.8	6.4	6.1	37.7	31.7	7.5	8.2	43.5	31.6	8.7	10.8
	Medium	886	76	28.1	21.2	5.6	4.8	33.1	21.1	6.6	6.4	38.3	20.9	7.7	8.5
			78	28.4	22.9	5.7	4.8	33.3	22.8	6.7	6.5	38.7	22.7	7.7	8.6
			80	28.7	24.7	5.7	4.9	33.7	24.6	6.7	6.7	38.9	24.5	7.8	8.7
			85	29.2	29.0	5.8	5.1	34.3	28.9	6.9	6.9	39.7	28.9	7.9	9.1
	Low	701	76	23.5	17.6	4.7	3.4	27.6	17.5	5.5	4.6	31.9	17.4	6.4	6.0
			78	23.7	19.0	4.7	3.5	27.8	18.9	5.6	4.7	32.0	18.8	6.4	6.1
			80	23.9	20.5	4.8	3.5	28.0	20.4	5.6	4.7	32.3	20.3	6.5	6.2
			85	24.3	24.0	4.9	3.6	28.6	24.0	5.7	4.9	32.8	23.9	6.6	6.3
DC 14	High	1143	76	34.1	25.8	6.8	6.8	40.3	25.6	8.1	9.4	46.8	25.5	9.4	12.4
			78	34.6	27.9	6.9	7.0	40.7	27.8	8.1	9.5	47.3	27.7	9.5	12.6
			80	35.0	30.1	7.0	7.2	41.2	30.0	8.2	9.7	47.7	29.9	9.5	12.8
			85	35.8	35.5	7.2	7.5	42.0	35.3	8.4	10.1	48.6	35.3	9.7	13.2
	Medium	994	76	30.8	23.2	6.2	5.6	36.2	23.0	7.2	7.6	42.0	22.9	8.4	10.1
			78	31.0	25.1	6.2	5.7	36.5	24.9	7.3	7.7	42.4	24.9	8.5	10.3
			80	31.4	27.0	6.3	5.9	36.8	26.9	7.4	7.9	42.7	26.8	8.5	10.4
			85	32.1	31.8	6.4	6.1	37.7	31.7	7.5	8.2	43.5	31.6	8.7	10.8
	Low	886	76	28.1	21.2	5.6	4.8	33.1	21.1	6.6	6.4	38.3	20.9	7.7	8.5
			78	28.4	22.9	5.7	4.8	33.3	22.8	6.7	6.5	38.7	22.7	7.7	8.6
			80	28.7	24.7	5.7	4.9	33.7	24.6	6.7	6.7	38.9	24.5	7.8	8.7
			85	29.2	29.0	5.8	5.1	34.3	28.9	6.9	6.9	39.7	28.9	7.9	9.1
DC 16	High	1192	76	35.2	26.6	7.0	7.2	41.6	26.4	8.3	9.9	48.4	26.3	9.7	13.2
			78	35.7	28.9	7.1	7.4	42.0	28.7	8.4	10.1	48.8	28.6	9.8	13.3
			80	36.1	31.1	7.2	7.6	42.5	31.0	8.5	10.3	49.2	30.8	9.8	13.6
			85	36.9	36.6	7.4	7.9	43.4	36.5	8.7	10.7	50.1	36.4	10.0	14.0
	Medium	1143	76	34.1	25.8	6.8	6.8	40.3	25.6	8.1	9.4	46.8	25.5	9.4	12.4
			78	34.6	27.9	6.9	7.0	40.7	27.8	8.1	9.5	47.3	27.7	9.5	12.6
			80	35.0	30.1	7.0	7.2	41.2	30.0	8.2	9.7	47.7	29.9	9.5	12.8
			85	35.8	35.5	7.2	7.5	42.0	35.3	8.4	10.1	48.6	35.3	9.7	13.2
	Low	994	76	30.8	23.2	6.2	5.6	36.2	23.0	7.2	7.6	42.0	22.9	8.4	10.1
			78	31.0	25.1	6.2	5.7	36.5	24.9	7.3	7.7	42.4	24.9	8.5	10.3
			80	31.4	27.0	6.3	5.9	36.8	26.9	7.4	7.9	42.7	26.8	8.5	10.4
			85	32.1	31.8	6.4	6.1	37.7	31.7	7.5	8.2	43.5	31.6	8.7	10.8
DC 18	High	1408	76	42.3	31.9	8.5	5.6	49.9	31.7	10.0	7.7	57.9	31.6	11.6	10.2
			78	42.8	34.6	8.6	5.8	50.4	34.4	10.1	7.9	58.5	34.3	11.7	10.4
			80	43.3	37.3	8.7	5.9	50.9	37.1	10.2	8.0	59.0	37.0	11.8	10.5
			85	44.3	44.0	8.9	6.2	52.0	43.8	10.4	8.3	60.1	43.7	12.0	10.9
	Medium	1196	76	37.2	28.1	7.4	4.4	43.9	28.0	8.8	6.0	50.9	27.8	10.2	8.0
			78	37.6	30.5	7.5	4.5	44.3	30.3	8.9	6.2	51.3	30.2	10.3	8.1
			80	38.0	32.8	7.6	4.6	44.7	32.7	8.9	6.3	51.8	32.6	10.4	8.3
			85	38.8	38.7	7.8	4.8	45.5	38.5	9.1	6.5	52.6	38.4	10.5	8.5
	Low	1022	76	33.0	24.9	6.6	3.5	38.8	24.8	7.8	4.8	45.0	24.7	9.0	6.4
			78	33.3	26.9	6.7	3.6	39.1	26.8	7.8	4.9	45.4	26.7	9.1	6.5
			80	33.6	29.0	6.7	3.7	39.5	28.9	7.9	5.0	45.7	28.8	9.1	6.5
			85	34.3	34.1	6.9	3.8	40.2	34.0	8.0	5.1	46.4	33.9	9.3	6.7

Legend

- AFR : Air Flow Rate
- EDB : Entering Dry Bulb Temperature
- T.CAP : Total Cooling Capacity
- S.CAP : Sensible Cooling Capacity
- WFR : Water Flow Rate
- WPD : Water Pressure Drop

Note

- Performance data is for DCP fan coil unit, for DCB, DCC or DCV performance data, please contact your nearest Petra sales office
- All data are based on 3 rows, 12 fins per inch cooling coil, 0.2 inch of water external static pressure, and aluminum mesh filter

Performance Data - IMP

Entering Water Temperature (45°F), with (10°F) Difference between Inlet & Outlet Water Temperature

Model	FAN SPEED	AFR (CFM)	EDB (°F)	ENTERING WET BULB TEMPERATURE (°F)											
				63				65				67			
				T.CAP (MBH)	S.CAP (MBH)	WFR (GPM)	WPD (ft H_2O)	T.CAP (MBH)	S.CAP (MBH)	WFR (GPM)	WPD (ft H_2O)	T.CAP (MBH)	S.CAP (MBH)	WFR (GPM)	WPD (ft H_2O)
DC 20	High	1608	76	46.5	35.3	9.3	6.8	55.1	35.1	11.0	9.3	64.0	34.9	12.8	12.3
			78	47.1	38.3	9.4	6.9	55.6	38.1	11.1	9.4	64.7	38.0	12.9	12.5
			80	47.6	41.3	9.5	7.1	56.1	41.1	11.2	9.6	65.3	41.0	13.1	12.8
			85	48.9	48.8	9.8	7.4	57.4	48.6	11.5	10.0	66.4	48.4	13.3	13.2
	Medium	1408	76	42.3	31.9	8.5	5.6	49.9	31.7	10.0	7.7	57.9	31.6	11.6	10.2
			78	42.8	34.6	8.6	5.8	50.4	34.4	10.1	7.9	58.5	34.3	11.7	10.4
			80	43.3	37.3	8.7	5.9	50.9	37.1	10.2	8.0	59.0	37.0	11.8	10.5
			85	44.3	44.0	8.9	6.2	52.0	43.8	10.4	8.3	60.1	43.7	12.0	10.9
	Low	1196	76	37.2	28.1	7.4	4.4	43.9	28.0	8.8	6.0	50.9	27.8	10.2	8.0
			78	37.6	30.5	7.5	4.5	44.3	30.3	8.9	6.2	51.3	30.2	10.3	8.1
			80	38.0	32.8	7.6	4.6	44.7	32.7	8.9	6.3	51.8	32.6	10.4	8.3
			85	38.8	38.7	7.8	4.8	45.5	38.5	9.1	6.5	52.6	38.4	10.5	8.5
DC 22	High	1768	76	49.8	37.9	10.0	7.7	59.0	37.7	11.8	10.6	68.7	37.5	13.7	14.1
			78	50.4	41.2	10.1	7.9	59.6	41.0	11.9	10.8	69.4	40.7	13.9	14.3
			80	51.0	44.4	10.2	8.0	60.3	44.2	12.1	11.0	70.0	44.0	14.0	14.6
			85	52.5	52.5	10.5	8.5	61.7	52.3	12.3	11.5	71.5	52.1	14.3	15.1
	Medium	1548	76	45.3	34.3	9.1	6.4	53.5	34.1	10.7	8.8	62.1	33.9	12.4	11.6
			78	45.8	37.2	9.2	6.6	54.1	37.0	10.8	9.0	62.8	36.9	12.6	11.9
			80	46.3	40.1	9.3	6.7	54.6	40.0	10.9	9.1	63.3	39.8	12.7	12.0
			85	47.6	47.4	9.5	7.0	55.8	47.2	11.2	9.5	64.5	47.0	12.9	12.5
	Low	1315	76	40.0	30.3	8.0	5.1	47.3	30.1	9.5	7.0	54.9	30.0	11.0	9.2
			78	40.5	32.8	8.1	5.2	47.7	32.7	9.5	7.1	55.4	32.5	11.1	9.4
			80	41.0	35.4	8.2	5.3	48.2	35.2	9.6	7.2	55.8	35.1	11.2	9.5
			85	41.9	41.7	8.4	5.5	49.2	41.6	9.8	7.5	56.9	41.4	11.4	9.8
DC 24	High	2006	76	58.7	44.6	11.7	5.5	69.3	44.3	13.9	7.5	80.7	44.1	16.1	10.0
			78	59.5	48.4	11.9	5.6	70.1	48.1	14.0	7.7	81.5	47.9	16.3	10.2
			80	60.0	52.2	12.0	5.7	70.7	51.9	14.1	7.8	82.2	51.7	16.4	10.4
			85	61.7	61.6	12.3	6.0	72.4	61.4	14.5	8.2	83.8	61.1	16.8	10.7
	Medium	1886	76	56.1	42.5	11.2	5.0	66.3	42.3	13.3	6.9	77.0	42.0	15.4	9.1
			78	56.8	46.2	11.4	5.2	67.0	45.9	13.4	7.0	77.8	45.7	15.6	9.3
			80	57.5	49.7	11.5	5.3	67.7	49.5	13.5	7.2	78.4	49.3	15.7	9.5
			85	59.0	58.7	11.8	5.5	69.2	58.5	13.8	7.5	79.9	58.3	16.0	9.8
	Low	1621	76	49.9	37.8	10.0	4.0	58.9	37.6	11.8	5.5	68.4	37.4	13.7	7.3
			78	50.5	41.0	10.1	4.1	59.5	40.8	11.9	5.6	69.0	40.7	13.8	7.4
			80	51.0	44.2	10.2	4.2	60.0	44.0	12.0	5.7	69.6	43.9	13.9	7.6
			85	52.2	52.1	10.4	4.4	61.2	51.9	12.2	5.9	70.8	51.8	14.2	7.8
DC 30	High	2761	76	82.5	61.5	16.5	11.6	97.3	61.3	19.5	15.8	113.0	61.0	22.6	20.8
			78	83.6	66.7	16.7	11.9	98.4	66.5	19.7	16.1	113.9	66.2	22.8	21.2
			80	84.5	71.9	16.9	12.1	99.3	71.6	19.9	16.4	114.7	71.3	22.9	21.5
			85	86.5	84.5	17.3	12.6	101.3	84.3	20.3	17.0	116.8	84.0	23.4	22.2
	Medium	2574	76	78.4	58.4	15.7	10.5	92.4	58.1	18.5	14.3	107.0	57.9	21.4	18.8
			78	79.4	63.3	15.9	10.7	93.2	63.0	18.6	14.5	107.9	62.7	21.6	19.1
			80	80.2	68.1	16.0	11.0	94.1	67.8	18.8	14.8	108.8	67.6	21.8	19.4
			85	82.1	80.1	16.4	11.5	96.0	79.8	19.2	15.4	110.8	79.6	22.2	20.1
	Low	2090	76	66.9	49.7	13.4	7.8	78.6	49.5	15.7	10.5	90.9	49.3	18.2	13.9
			78	67.5	53.8	13.5	7.9	79.3	53.6	15.9	10.7	91.7	53.4	18.3	14.1
			80	68.2	57.9	13.7	8.1	79.9	57.7	16.0	10.9	92.4	57.5	18.5	14.3
			85	69.7	68.0	13.9	8.4	81.4	67.8	16.3	11.3	93.8	67.6	18.8	14.7

Legend

- AFR : Air Flow Rate
- EDB : Entering Dry Bulb Temperature
- T.CAP : Total Cooling Capacity
- S.CAP : Sensible Cooling Capacity
- WFR : Water Flow Rate
- WPD : Water Pressure Drop

Note

- Performance data is for DCP fan coil unit, for DCB, DCC or DCV performance data, please contact your nearest Petra sales office
- All data are based on 3 rows, 12 fins per inch cooling coil, 0.2 inch of water external static pressure, and aluminum mesh filter

Entering Water Temperature (46°F), with (10°F) Difference between Inlet & Outlet Water Temperature

Model	FAN SPEED	AFR (CFM)	EDB (°F)	ENTERING WET BULB TEMPERATURE (°F)											
				63				65				67			
				T.CAP (MBH)	S.CAP (MBH)	WFR (GPM)	WPD (ft H_2O)	T.CAP (MBH)	S.CAP (MBH)	WFR (GPM)	WPD (ft H_2O)	T.CAP (MBH)	S.CAP (MBH)	WFR (GPM)	WPD (ft H_2O)
DC 6	High	574	76	16.2	12.8	3.2	3.7	19.3	12.7	3.9	5.2	22.6	12.6	4.5	6.9
			78	16.3	13.9	3.3	3.8	19.5	13.8	3.9	5.3	22.9	13.7	4.6	7.1
			80	16.6	15.0	3.3	3.9	19.7	14.9	3.9	5.4	23.0	14.8	4.6	7.2
			85	17.8	17.8	3.6	4.4	20.2	17.7	4.0	5.6	23.6	17.7	4.7	7.5
	Medium	462	76	13.7	10.8	2.7	2.7	16.4	10.7	3.3	3.8	19.1	10.6	3.8	5.0
			78	13.9	11.7	2.8	2.8	16.5	11.6	3.3	3.9	19.3	11.6	3.9	5.1
			80	14.1	12.7	2.8	2.9	16.6	12.6	3.3	3.9	19.5	12.6	3.9	5.3
			85	14.9	14.9	3.0	3.2	17.0	14.9	3.4	4.1	19.7	14.9	3.9	5.4
	Low	335	76	10.7	8.3	2.1	1.7	12.7	8.3	2.5	2.4	14.8	8.2	3.0	3.2
			78	10.8	9.0	2.2	1.8	12.9	9.0	2.6	2.4	14.9	8.9	3.0	3.2
			80	10.9	9.7	2.2	1.8	13.0	9.7	2.6	2.5	15.0	9.7	3.0	3.3
			85	11.5	11.5	2.3	2.0	13.2	11.5	2.7	2.6	15.3	11.4	3.1	3.3
DC 8	High	671	76	18.1	14.4	3.6	4.6	21.7	14.3	4.3	6.4	25.5	14.2	5.1	8.7
			78	18.4	15.7	3.7	4.7	22.0	15.5	4.4	6.6	25.8	15.5	5.2	8.9
			80	18.7	16.9	3.7	4.9	22.3	16.8	4.5	6.7	26.1	16.8	5.2	9.1
			85	20.1	20.1	4.0	5.6	22.9	20.1	4.6	7.1	26.6	19.9	5.3	9.4
	Medium	574	76	16.2	12.8	3.2	3.7	19.3	12.7	3.9	5.2	22.6	12.6	4.5	6.9
			78	16.3	13.9	3.3	3.8	19.5	13.8	3.9	5.3	22.9	13.7	4.6	7.1
			80	16.6	15.0	3.3	3.9	19.7	14.9	3.9	5.4	23.0	14.8	4.6	7.2
			85	17.8	17.8	3.6	4.4	20.2	17.7	4.0	5.6	23.6	17.7	4.7	7.5
	Low	462	76	13.7	10.8	2.7	2.7	16.4	10.7	3.3	3.8	19.1	10.6	3.8	5.0
			78	13.9	11.7	2.8	2.8	16.5	11.6	3.3	3.9	19.3	11.6	3.9	5.1
			80	14.1	12.7	2.8	2.9	16.6	12.6	3.3	3.9	19.5	12.6	3.9	5.3
			85	14.9	14.9	3.0	3.2	17.0	14.9	3.4	4.1	19.7	14.9	3.9	5.4
DC 10	High	774	76	20.1	16.0	4.0	5.6	24.1	15.9	4.8	7.8	28.4	15.8	5.7	10.6
			78	20.4	17.5	4.1	5.7	24.4	17.3	4.9	8.0	28.7	17.3	5.7	10.8
			80	20.7	18.9	4.1	5.9	24.7	18.8	4.9	8.2	29.0	18.7	5.8	11.0
			85	22.4	22.4	4.5	6.8	25.4	22.4	5.1	8.6	29.6	22.2	5.9	11.4
	Medium	671	76	18.1	14.4	3.6	4.6	21.7	14.3	4.3	6.4	25.5	14.2	5.1	8.7
			78	18.4	15.7	3.7	4.7	22.0	15.5	4.4	6.6	25.8	15.5	5.2	8.9
			80	18.7	16.9	3.7	4.9	22.3	16.8	4.5	6.7	26.1	16.8	5.2	9.1
			85	20.1	20.1	4.0	5.6	22.9	20.1	4.6	7.1	26.6	19.9	5.3	9.4
	Low	574	76	16.2	12.8	3.2	3.7	19.3	12.7	3.9	5.2	22.6	12.6	4.5	6.9
			78	16.3	13.9	3.3	3.8	19.5	13.8	3.9	5.3	22.9	13.7	4.6	7.1
			80	16.6	15.0	3.3	3.9	19.7	14.9	3.9	5.4	23.0	14.8	4.6	7.2
			85	17.8	17.8	3.6	4.4	20.2	17.7	4.0	5.6	23.6	17.7	4.7	7.5
DC 11	High	928	76	22.8	18.3	4.6	7.0	27.4	18.2	5.5	9.9	32.4	18.0	6.5	13.5
			78	23.3	20.0	4.7	7.3	27.8	19.9	5.6	10.2	32.8	19.8	6.6	13.9
			80	23.5	21.7	4.7	7.4	28.1	21.5	5.6	10.4	33.1	21.4	6.6	14.2
			85	25.8	25.8	5.2	8.9	28.9	25.7	5.8	11.0	33.8	25.5	6.8	14.7
	Medium	883	76	22.1	17.7	4.4	6.6	26.6	17.6	5.3	9.4	31.3	17.4	6.3	12.7
			78	22.4	19.3	4.5	6.8	26.9	19.2	5.4	9.6	31.6	19.0	6.3	13.0
			80	22.8	20.9	4.6	7.0	27.2	20.8	5.4	9.8	31.9	20.6	6.4	13.2
			85	24.8	24.8	5.0	8.2	27.9	24.7	5.6	10.3	32.8	24.6	6.6	13.9
	Low	688	76	18.5	14.6	3.7	4.8	22.1	14.5	4.4	6.7	26.0	14.5	5.2	9.0
			78	18.8	16.0	3.8	4.9	22.4	15.9	4.5	6.8	26.3	15.8	5.3	9.2
			80	19.1	17.3	3.8	5.1	22.6	17.2	4.5	6.9	26.5	17.1	5.3	9.3
			85	20.5	20.5	4.1	5.8	23.2	20.4	4.6	7.3	27.1	20.3	5.4	9.7

Legend

- AFR : Air Flow Rate
- EDB : Entering Dry Bulb Temperature
- T.CAP : Total Cooling Capacity
- S.CAP : Sensible Cooling Capacity
- WFR : Water Flow Rate
- WPD : Water Pressure Drop

Note

- Performance data is for DCP fan coil unit, for DCB, DCC or DCV performance data, please contact your nearest Petra sales office
- All data are based on 3 rows, 12 fins per inch cooling coil, 0.2 inch of water external static pressure, and aluminum mesh filter

Performance Data - IMP

Entering Water Temperature (46°F), with (10°F) Difference between Inlet & Outlet Water Temperature

Model	FAN SPEED	AFR (CFM)	EDB (°F)	ENTERING WET BULB TEMPERATURE (°F)											
				63				65				67			
				T.CAP (MBH)	S.CAP (MBH)	WFR (GPM)	WPD (ft H_2O)	T.CAP (MBH)	S.CAP (MBH)	WFR (GPM)	WPD (ft H_2O)	T.CAP (MBH)	S.CAP (MBH)	WFR (GPM)	WPD (ft H_2O)
DC 12	High	994	76	28.4	22.2	5.7	4.8	33.9	22.1	6.8	6.7	39.6	21.9	7.9	9.0
			78	28.8	24.2	5.8	5.0	34.2	24.0	6.8	6.9	40.0	23.9	8.0	9.2
			80	29.1	26.1	5.8	5.1	34.6	25.9	6.9	7.0	40.3	25.8	8.1	9.3
			85	30.8	30.8	6.2	5.6	35.3	30.7	7.1	7.3	41.1	30.6	8.2	9.7
	Medium	886	76	26.0	20.3	5.2	4.1	31.0	20.2	6.2	5.7	36.2	20.1	7.2	7.6
			78	26.3	22.1	5.3	4.2	31.4	22.0	6.3	5.8	36.5	21.8	7.3	7.7
			80	26.6	23.8	5.3	4.3	31.5	23.7	6.3	5.9	36.9	23.6	7.4	7.9
			85	28.1	28.1	5.6	4.7	32.3	28.1	6.5	6.1	37.5	28.0	7.5	8.1
	Low	701	76	21.8	16.9	4.4	3.0	25.8	16.8	5.2	4.1	30.2	16.7	6.0	5.4
			78	22.0	18.3	4.4	3.0	26.1	18.3	5.2	4.1	30.3	18.1	6.1	5.5
			80	22.3	19.8	4.5	3.1	26.3	19.7	5.3	4.2	30.6	19.6	6.1	5.6
			85	23.3	23.3	4.7	3.4	26.8	23.2	5.4	4.3	31.1	23.2	6.2	5.7
DC 14	High	1143	76	31.6	24.7	6.3	5.9	37.7	24.6	7.6	8.2	44.2	24.4	8.8	11.1
			78	32.1	26.9	6.4	6.1	38.1	26.7	7.6	8.4	44.7	26.6	8.9	11.3
			80	32.4	29.0	6.5	6.2	38.5	28.9	7.7	8.6	45.0	28.8	9.0	11.4
			85	34.4	34.4	6.9	6.9	39.5	34.3	7.9	9.0	45.9	34.1	9.2	11.9
	Medium	994	76	28.4	22.2	5.7	4.8	33.9	22.1	6.8	6.7	39.6	21.9	7.9	9.0
			78	28.8	24.2	5.8	5.0	34.2	24.0	6.8	6.9	40.0	23.9	8.0	9.2
			80	29.1	26.1	5.8	5.1	34.6	25.9	6.9	7.0	40.3	25.8	8.1	9.3
			85	30.8	30.8	6.2	5.6	35.3	30.7	7.1	7.3	41.1	30.6	8.2	9.7
	Low	886	76	26.0	20.3	5.2	4.1	31.0	20.2	6.2	5.7	36.2	20.1	7.2	7.6
			78	26.3	22.1	5.3	4.2	31.4	22.0	6.3	5.8	36.5	21.8	7.3	7.7
			80	26.6	23.8	5.3	4.3	31.5	23.7	6.3	5.9	36.9	23.6	7.4	7.9
			85	28.1	28.1	5.6	4.7	32.3	28.1	6.5	6.1	37.5	28.0	7.5	8.1
DC 16	High	1192	76	32.6	25.5	6.5	6.2	38.9	25.3	7.8	8.7	45.5	25.2	9.1	11.7
			78	33.0	27.8	6.6	6.4	39.4	27.6	7.9	8.9	46.0	27.5	9.2	11.9
			80	33.5	30.0	6.7	6.6	39.8	29.9	8.0	9.1	46.5	29.7	9.3	12.2
			85	35.5	35.5	7.1	7.4	40.8	35.4	8.2	9.5	47.5	35.3	9.5	12.6
	Medium	1143	76	31.6	24.7	6.3	5.9	37.7	24.6	7.6	8.2	44.2	24.4	8.8	11.1
			78	32.1	26.9	6.4	6.1	38.1	26.7	7.6	8.4	44.7	26.6	8.9	11.3
			80	32.4	29.0	6.5	6.2	38.5	28.9	7.7	8.6	45.0	28.8	9.0	11.4
			85	34.4	34.4	6.9	6.9	39.5	34.3	7.9	9.0	45.9	34.1	9.2	11.9
	Low	994	76	28.4	22.2	5.7	4.8	33.9	22.1	6.8	6.7	39.6	21.9	7.9	9.0
			78	28.8	24.2	5.8	5.0	34.2	24.0	6.8	6.9	40.0	23.9	8.0	9.2
			80	29.1	26.1	5.8	5.1	34.6	25.9	6.9	7.0	40.3	25.8	8.1	9.3
			85	30.8	30.8	6.2	5.6	35.3	30.7	7.1	7.3	41.1	30.6	8.2	9.7
DC 18	High	1408	76	39.1	30.6	7.8	4.9	46.6	30.4	9.3	6.8	54.6	30.2	10.9	9.1
			78	39.6	33.3	7.9	5.0	47.1	33.1	9.4	6.9	55.2	33.0	11.0	9.3
			80	40.1	36.0	8.0	5.1	47.7	35.8	9.5	7.1	55.7	35.7	11.1	9.5
			85	42.7	42.7	8.5	5.7	48.8	42.5	9.8	7.4	56.9	42.4	11.4	9.8
	Medium	1196	76	34.4	27.0	6.9	3.8	41.1	26.8	8.2	5.3	48.0	26.7	9.6	7.2
			78	34.9	29.3	7.0	3.9	41.5	29.2	8.3	5.4	48.5	29.1	9.7	7.3
			80	35.3	31.7	7.1	4.0	41.9	31.5	8.4	5.5	48.9	31.4	9.8	7.4
			85	37.5	37.5	7.5	4.5	42.8	37.4	8.6	5.8	49.9	37.3	10.0	7.7
	Low	1022	76	30.5	23.8	6.1	3.1	36.4	23.7	7.3	4.3	42.5	23.6	8.5	5.7
			78	30.9	25.9	6.2	3.1	36.7	25.8	7.3	4.3	42.9	25.7	8.6	5.8
			80	31.3	28.0	6.3	3.2	37.1	27.9	7.4	4.4	43.3	27.8	8.7	5.9
			85	32.6	32.6	6.5	3.5	37.7	33.0	7.5	4.6	44.0	32.9	8.8	6.1

Legend

- AFR : Air Flow Rate
- EDB : Entering Dry Bulb Temperature
- T.CAP : Total Cooling Capacity
- S.CAP : Sensible Cooling Capacity
- WFR : Water Flow Rate
- WPD : Water Pressure Drop

Note

- Performance data is for DCP fan coil unit, for DCB, DCC or DCV performance data, please contact your nearest Petra sales office
- All data are based on 3 rows, 12 fins per inch cooling coil, 0.2 inch of water external static pressure, and aluminum mesh filter

Entering Water Temperature (46°F), with (10°F) Difference between Inlet & Outlet Water Temperature

Model	FAN SPEED	AFR (CFM)	EDB (°F)	ENTERING WET BULB TEMPERATURE (°F)											
				63				65				67			
				T.CAP (MBH)	S.CAP (MBH)	WFR (GPM)	WPD (ft H_2O)	T.CAP (MBH)	S.CAP (MBH)	WFR (GPM)	WPD (ft H_2O)	T.CAP (MBH)	S.CAP (MBH)	WFR (GPM)	WPD (ft H_2O)
DC 20	High	1608	76	43.0	33.8	8.6	5.8	51.3	33.6	10.3	8.1	60.3	33.4	12.1	11.0
			78	43.5	36.9	8.7	5.9	51.9	36.6	10.4	8.3	60.9	36.5	12.2	11.2
			80	44.1	39.9	8.8	6.1	52.5	39.6	10.5	8.5	61.4	39.4	12.3	11.4
			85	47.2	47.2	9.4	6.9	53.9	47.1	10.8	8.9	62.8	46.9	12.6	11.8
	Medium	1408	76	39.1	30.6	7.8	4.9	46.6	30.4	9.3	6.8	54.6	30.2	10.9	9.1
			78	39.6	33.3	7.9	5.0	47.1	33.1	9.4	6.9	55.2	33.0	11.0	9.3
			80	40.1	36.0	8.0	5.1	47.7	35.8	9.5	7.1	55.7	35.7	11.1	9.5
			85	42.7	42.7	8.5	5.7	48.8	42.5	9.8	7.4	56.9	42.4	11.4	9.8
	Low	1196	76	34.4	27.0	6.9	3.8	41.1	26.8	8.2	5.3	48.0	26.7	9.6	7.2
			78	34.9	29.3	7.0	3.9	41.5	29.2	8.3	5.4	48.5	29.1	9.7	7.3
			80	35.3	31.7	7.1	4.0	41.9	31.5	8.4	5.5	48.9	31.4	9.8	7.4
			85	37.5	37.5	7.5	4.5	42.8	37.4	8.6	5.8	49.9	37.3	10.0	7.7
DC 22	High	1768	76	46.0	36.3	9.2	6.6	55.0	36.1	11.0	9.2	64.7	35.9	12.9	12.5
			78	46.6	39.6	9.3	6.8	55.7	39.4	11.1	9.4	65.4	39.1	13.1	12.8
			80	47.2	42.8	9.4	6.9	56.3	42.6	11.3	9.6	66.0	42.4	13.2	13.0
			85	50.8	50.8	10.2	8.0	57.9	50.7	11.6	10.2	67.5	50.5	13.5	13.6
	Medium	1548	76	41.8	32.9	8.4	5.5	50.0	32.7	10.0	7.7	58.6	32.5	11.7	10.4
			78	42.4	35.8	8.5	5.7	50.6	35.6	10.1	7.9	59.3	35.4	11.9	10.6
			80	43.0	38.7	8.6	5.8	51.1	38.5	10.2	8.0	59.8	38.3	12.0	10.8
			85	45.9	45.9	9.2	6.6	52.4	45.8	10.5	8.4	61.1	45.6	12.2	11.2
	Low	1315	76	37.0	29.0	7.4	4.4	44.2	28.9	8.8	6.1	51.8	28.7	10.4	8.2
			78	37.6	31.6	7.5	4.5	44.7	31.4	8.9	6.2	52.3	31.3	10.5	8.4
			80	37.9	34.1	7.6	4.6	45.2	34.0	9.0	6.4	52.8	33.8	10.6	8.5
			85	40.4	40.4	8.1	5.2	46.2	40.3	9.2	6.6	53.8	40.1	10.8	8.8
DC 24	High	2006	76	54.1	42.7	10.8	4.7	64.8	42.5	13.0	6.6	76.1	42.2	15.2	8.9
			78	55.0	46.6	11.0	4.8	65.6	46.3	13.1	6.7	76.8	46.0	15.4	9.1
			80	55.7	50.3	11.1	5.0	66.3	50.1	13.3	6.9	77.6	49.8	15.5	9.2
			85	59.7	59.7	11.9	5.7	68.0	59.5	13.6	7.2	79.3	59.3	15.9	9.6
	Medium	1886	76	51.9	40.8	10.4	4.3	61.9	40.5	12.4	6.0	72.6	40.3	14.5	8.2
			78	52.6	44.4	10.5	4.5	62.6	44.1	12.5	6.2	73.3	43.9	14.7	8.3
			80	53.2	48.0	10.6	4.6	63.3	47.7	12.7	6.3	74.0	47.5	14.8	8.5
			85	56.9	56.9	11.4	5.2	65.0	56.7	13.0	6.6	75.7	56.5	15.1	8.8
	Low	1621	76	46.2	36.3	9.2	3.5	55.1	36.1	11.0	4.9	64.5	35.9	12.9	6.5
			78	46.8	39.5	9.4	3.6	55.7	39.3	11.1	5.0	65.2	39.1	13.0	6.7
			80	47.3	42.7	9.5	3.7	56.2	42.5	11.2	5.0	65.8	42.3	13.2	6.8
			85	50.5	50.5	10.1	4.1	57.5	50.3	11.5	5.3	67.0	50.2	13.4	7.0
DC 30	High	2761	76	76.5	59.1	15.3	10.0	91.1	58.8	18.2	13.9	106.7	58.5	21.3	18.7
			78	77.6	64.2	15.5	10.3	92.2	63.9	18.4	14.2	107.7	63.7	21.5	19.0
			80	78.6	69.4	15.7	10.5	93.2	69.1	18.6	14.5	108.6	68.8	21.7	19.3
			85	81.9	81.9	16.4	11.4	95.2	81.8	19.1	15.1	110.8	81.5	22.2	20.0
	Medium	2574	76	72.7	56.0	14.5	9.1	86.5	55.7	17.3	12.6	101.1	55.5	20.2	16.9
			78	73.7	60.9	14.7	9.3	87.4	60.6	17.5	12.8	102.0	60.3	20.4	17.2
			80	74.5	65.7	14.9	9.5	88.3	65.4	17.7	13.1	103.0	65.2	20.6	17.5
			85	77.7	77.7	15.5	10.3	90.4	77.5	18.1	13.7	105.0	77.2	21.0	18.1
	Low	2090	76	62.2	47.7	12.4	6.8	73.7	47.5	14.7	9.3	86.0	47.3	17.2	12.5
			78	62.7	51.8	12.5	6.9	74.4	51.6	14.9	9.5	86.7	51.4	17.3	12.6
			80	63.6	55.9	12.7	7.1	75.1	55.7	15.0	9.7	87.4	55.5	17.5	12.8
			85	65.9	65.9	13.2	7.6	76.7	65.8	15.3	10.1	89.0	65.6	17.8	13.3

Legend

- AFR : Air Flow Rate
- EDB : Entering Dry Bulb Temperature
- T.CAP : Total Cooling Capacity
- S.CAP : Sensible Cooling Capacity
- WFR : Water Flow Rate
- WPD : Water Pressure Drop

Note

- Performance data is for DCP fan coil unit, for DCB, DCC or DCV performance data, please contact your nearest Petra sales office
- All data are based on 3 rows, 12 fins per inch cooling coil, 0.2 inch of water external static pressure, and aluminum mesh filter

Fan Performance

SI

MODEL	FAN SPEED	Air Flow Rate (L/s)				
		External Static Pressure (Pa)				
		25	50	75	100	125
DC 6	High	310	271	231	192	153
	Medium	247	218	189	159	130
	Low	189	158	127	96	64
DC 8	High	364	317	269	222	174
	Medium	310	271	231	192	153
	Low	247	218	189	159	130
DC 10	High	414	365	316	267	218
	Medium	364	317	269	222	174
	Low	310	271	231	192	153
DC 11	High	497	438	379	321	262
	Medium	474	417	360	303	246
	Low	372	325	278	231	184
DC 12	High	539	469	400	330	260
	Medium	488	418	348	278	208
	Low	383	331	278	226	174
DC 14	High	626	539	453	367	280
	Medium	539	469	400	330	260
	Low	488	418	348	278	208
DC 16	High	652	562	472	382	292
	Medium	626	539	453	367	280
	Low	539	469	400	330	260
DC 18	High	783	664	546	427	308
	Medium	650	564	478	393	307
	Low	542	482	423	363	304
DC 20	High	884	759	633	508	383
	Medium	783	664	546	427	308
	Low	650	564	478	393	307
DC 22	High	972	834	697	559	421
	Medium	861	731	600	470	339
	Low	715	621	526	432	338
DC 24	High	1,084	947	809	672	535
	Medium	1,033	890	747	603	460
	Low	888	765	642	518	395
DC 30	High	1,512	1,303	1,094	884	675
	Medium	1,401	1,215	1,029	842	656
	Low	1,173	986	800	613	427

Note

- Fan performance data is for DCP fan coil unit, for DCB, DCC or DCV performance data, please contact your nearest Petra sales office
- All data are based on 3 rows, 472 fins per meter cooling coil and aluminum mesh filter

IMP

MODEL	FAN SPEED	Air Flow Rate (CFM)				
		External Static Pressure (Inch of water)				
		0.1	0.2	0.3	0.4	0.5
DC 6	High	656	574	491	408	325
	Medium	524	462	400	338	276
	Low	401	335	269	202	136
DC 8	High	772	671	570	470	369
	Medium	656	574	491	408	325
	Low	524	462	400	338	276
DC 10	High	877	774	670	566	462
	Medium	772	671	570	470	369
	Low	656	574	491	408	325
DC 11	High	1,053	928	804	679	555
	Medium	1,004	883	762	641	520
	Low	788	688	589	489	390
DC 12	High	1,142	994	847	699	551
	Medium	1,035	886	738	589	440
	Low	812	701	590	479	369
DC 14	High	1,326	1,143	960	777	594
	Medium	1,142	994	847	699	551
	Low	1,035	886	738	589	440
DC 16	High	1,383	1,192	1,001	810	620
	Medium	1,326	1,143	960	777	594
	Low	1,142	994	847	699	551
DC 18	High	1,659	1,408	1,156	905	653
	Medium	1,377	1,196	1,014	832	650
	Low	1,148	1,022	896	770	644
DC 20	High	1,873	1,608	1,342	1,077	811
	Medium	1,659	1,408	1,156	905	653
	Low	1,377	1,196	1,014	832	650
DC 22	High	2,060	1,768	1,476	1,184	892
	Medium	1,825	1,548	1,272	995	719
	Low	1,515	1,315	1,115	915	715
DC 24	High	2,297	2,006	1,715	1,424	1,133
	Medium	2,190	1,886	1,582	1,278	974
	Low	1,882	1,621	1,360	1,099	838
DC 30	High	3,205	2,761	2,317	1,873	1,430
	Medium	2,968	2,574	2,180	1,785	1,391
	Low	2,485	2,090	1,694	1,299	904

Note

- Fan performance data is for DCP fan coil unit, for DCB, DCC or DCV performance data, please contact your nearest Petra sales office
- All data are based on 3 rows, 12 fins per inch cooling coil and aluminum mesh filter

Sound Data

Fan speed	Band Frequency (Hz)	Discharge Sound Power (dBA)											
		DC 6	DC 8	DC 10	DC 11	DC 12	DC 14	DC 16	DC 18	DC 20	DC 22	DC 24	DC 30
Low Speed	63	53	57	57	60	60	62	63	65	65	68	65	69
	125	51	54	55	60	57	60	61	63	63	67	63	67
	250	49	52	53	54	54	57	59	60	60	60	60	65
	500	42	44	45	48	47	50	50	53	53	55	53	57
	1K	40	43	44	45	46	49	50	51	51	52	51	55
	2K	36	38	40	44	43	46	45	49	49	52	49	52
	4K	35	37	40	42	43	46	47	49	49	51	49	52
	8K	30	33	34	39	35	39	39	41	41	46	41	42
	Total dBA	46	49	50	53	52	55	56	58	58	60	58	62
Medium Speed	63	56	59	59	62	62	64	65	67	67	73	70	71
	125	53	56	57	61	59	62	63	65	66	70	67	69
	250	51	54	55	57	56	59	61	62	64	66	65	67
	500	46	48	49	54	51	54	54	57	58	61	60	61
	1K	44	47	48	49	50	53	54	55	56	56	58	59
	2K	40	42	44	47	47	50	49	53	53	55	56	56
	4K	39	41	44	47	47	50	51	53	54	55	56	56
	8K	34	37	38	43	39	43	43	45	46	50	48	49
	Total dBA	50	52	54	56	56	59	59	61	62	64	64	65
High Speed	63	58	61	61	66	64	56	67	69	69	74	72	73
	125	55	58	59	63	61	64	65	67	68	72	69	71
	250	53	56	57	57	58	61	63	64	66	66	67	69
	500	50	52	53	55	55	58	58	61	62	64	64	65
	1K	48	51	52	53	54	57	58	59	60	61	62	63
	2K	44	46	48	51	51	54	53	57	57	60	60	60
	4K	43	45	48	52	51	54	55	57	58	62	60	60
	8K	38	41	42	47	43	47	47	49	50	55	52	53
	Total dBA	53	56	57	59	59	62	63	65	66	68	68	69

Note

- Sound data is for DCP fan coil unit, for DCB, DCC or DCV, please contact your nearest Petra sales office
- Sound data is calculated based on standard components design
- Sound data is measured outside the termination of the duct
- Sound data shall be as per AHRI 260 standard
- Sound data are ±2 dBA

Electrical data

Model	Power Supply (V/Ph/Hz)	NMR	No. of Motors	FLA	MCA	MOP	Power Input (kW)
DC 6	220-240/1/50	1/4	1	1.4	1.8	15	0.47
	230/1/60	1/4		1.7	2.1	15	0.47
	110/1/60	1/3		4.3	5.3	15	0.5
DC 8	220-240/1/50	1/4	1	1.4	1.8	15	0.47
	230/1/60	1/4		1.7	2.1	15	0.47
	110/1/60	1/3		4.3	5.3	15	0.5
DC 10	220-240/1/50	1/4	1	1.4	1.8	15	0.47
	230/1/60	1/4		1.7	2.1	15	0.47
	110/1/60	1/3		4.3	5.3	15	0.5
DC 11	220-240/1/50	2/5	1	3.0	3.8	15	0.69
	230/1/60	2/5		3.0	3.8	15	0.69
DC 12	220-240/1/50	1/4	2	2.8	3.2	15	0.95
	230/1/60	1/4		3.4	3.8	15	0.95
	110/1/60	1/3		4.3	9.5	15	1.0
DC 14	220-240/1/50	1/4	2	2.8	3.2	15	0.95
	230/1/60	1/4		3.4	3.8	15	0.95
	110/1/60	1/3		4.3	9.5	15	1.0
DC 16	220-240/1/50	1/4	2	2.8	3.2	15	0.95
	230/1/60	1/4		3.4	3.8	15	0.95
	110/1/60	1/3		4.3	9.5	15	1.0
DC 18	220-240/1/50	1/4	2	2.8	3.2	15	0.95
	230/1/60	1/4		3.4	3.8	15	0.95
	110/1/60	1/3		4.3	9.5	15	1.0
DC 20	220-240/1/50	1/4	2	2.8	3.2	15	0.95
	230/1/60	1/4		3.4	3.8	15	0.95
	110/1/60	1/3		4.3	9.5	15	1.0
DC 22	220-240/1/50	2/5	2	6.0	6.8	15	1.38
	230/1/60	2/5		6.0	6.8	15	1.38
DC 24	220-240/1/50	1/4	3	4.2	4.6	15	1.4
	230/1/60	1/4		5.1	5.5	15	1.4
	110/1/60	1/3		4.3	13.7	15	1.5
DC 30	220-240/1/50	1/4	4	5.6	6.0	15	1.9
	230/1/60	1/4		6.8	7.2	15	1.9
	110/1/60	1/3		4.3	17.9	20	2.0

Legend

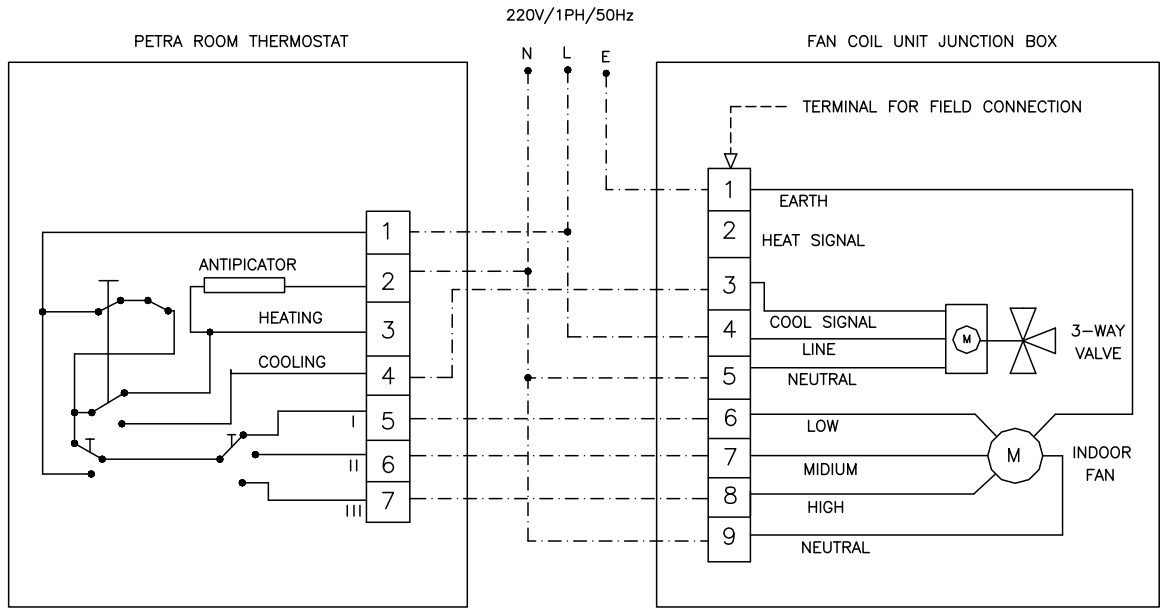
- NMR: Nominal Motor Rating (hp) (for each fan motor)
- FLA: Full Load Ampere (for each fan motor)
- MCA: Minimum Circuit Ampacity (Amp.)
- MOP: Maximum Overcurrent Protection (Amp.)

Note

- MCA is based on 125% of the RLA for the largest motor plus 100% of the RLA/FLA for all other loads included in the circuit (NEC-Article 430-24)
- MOP is based on 225% of the RLA for the largest motor plus 100% of the RLA for all other loads included in the circuit (NEC-Article 440-22)

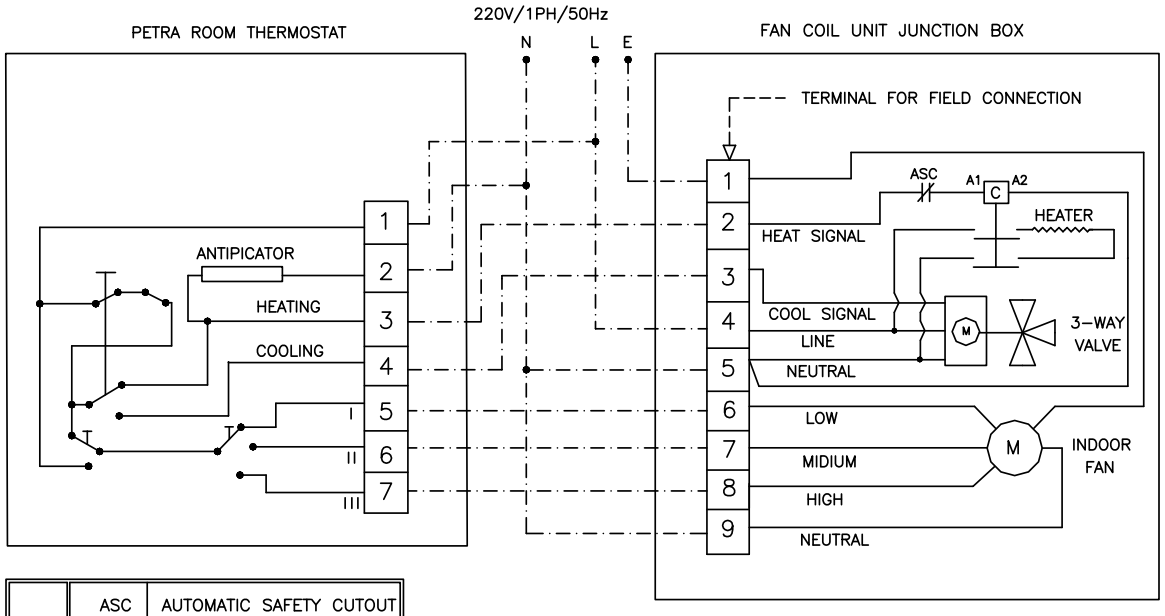
Typical Wiring Diagrams

3-Way Valve Cooling Only (Optional)



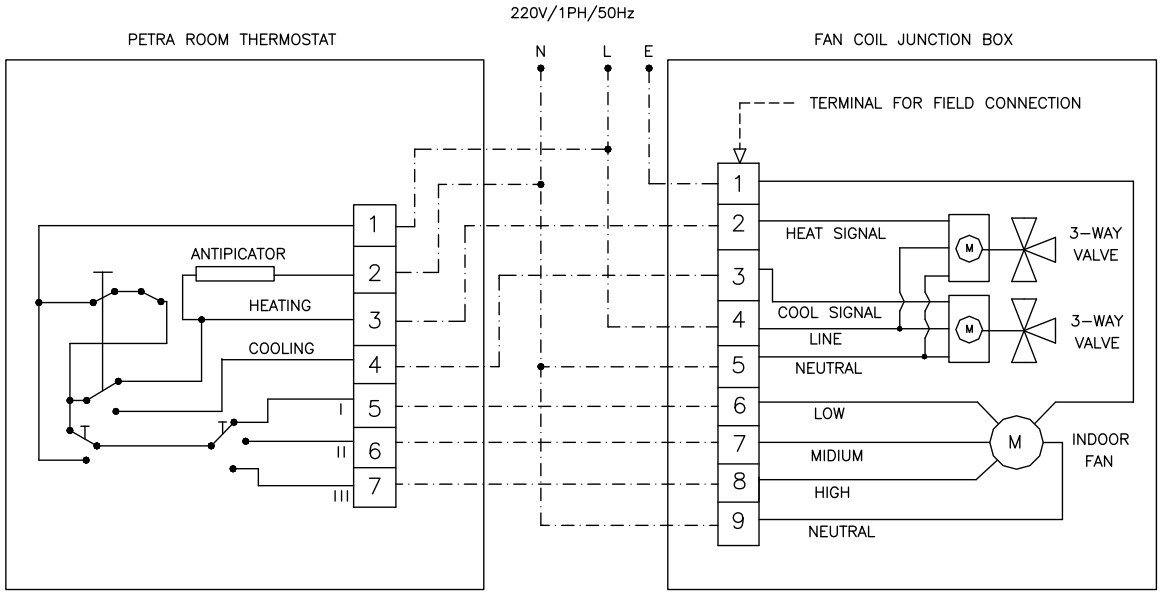
LEGEND		
	M	DRIIVING MOTOR
	- - - -	FIELD CONNECTION

3-Way Valve (cooling) with Electric Heater (Optional)



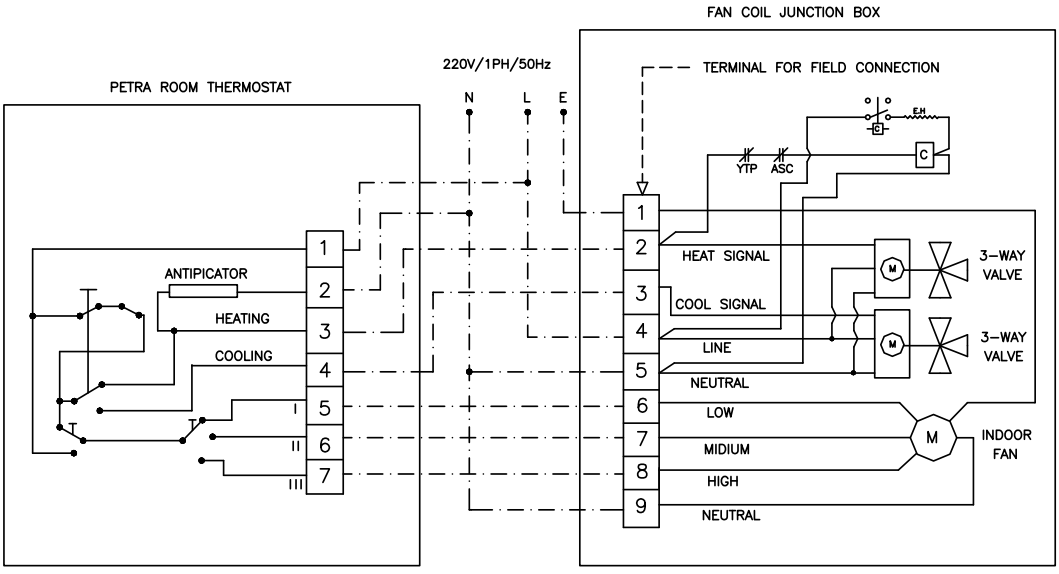
LEGEND		
	ASC	AUTOMATIC SAFETY CUTOUT
	C	CONTACTOR
	M	DRIIVING MOTOR
	- - - -	FIELD CONNECTION

3-Way Valve Cooling/heating (Optional)



LEGEND		
	M	DRIIVING MOTOR
	— · — · —	FIELD CONNECTION

3-Way Valve Cooling/heating with Electric Heater (Optional)



LEGEND		
	E.H	ELECTRIC HEATER
	C	CONTACTOR
	ASC	AUTOMATIC SAFETY CUTOUT
	YTP	ELECTRIC HEATER THERMOSTAT
	M	DRIIVING MOTOR
	— · —	FIELD CONNECTION

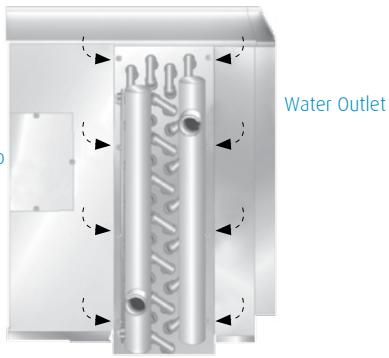
Changing of the Coil Connection Side

Petra coils are designed to work in both the left hand and right hand sides coil connections without affecting the coil's performance (counter flow is maintained). The following steps illustrate how the coil connection side is changed from the right hand side -facing air discharge- to the left hand side

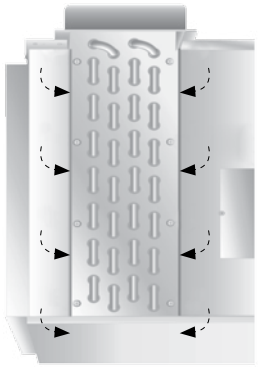
1- Put the unit upside-down and unscrew the screws of the unit's drain

Unit is turned upside down

2- Unscrew the 16 screws, which fix the coil to the unit



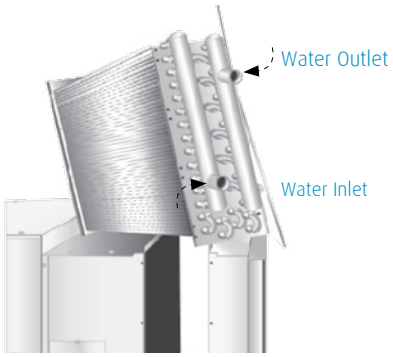
Right hand side of the unit (facing air discharge)
Unit is turned upside-down



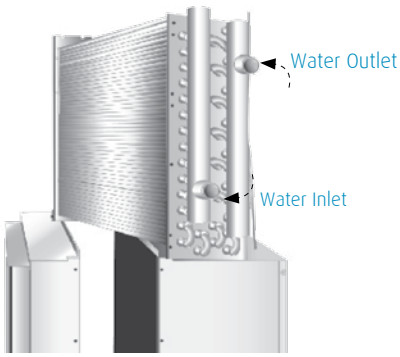
Left hand side of the unit
(facing air discharge)

unit is turned upside-down

3- Turn coil upside-down, then rotate the coil from right to left (facing air)

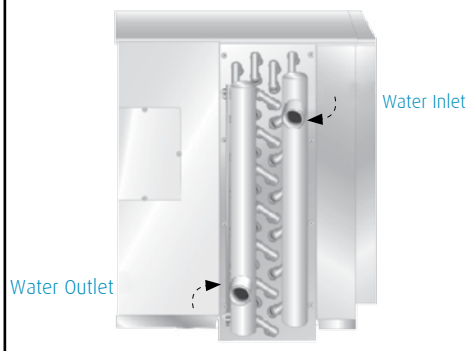


Right side of the unit (facing air discharge). Unit is turned upside-down



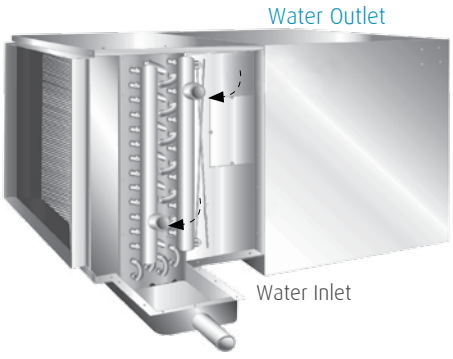
Left side of the unit (facing air discharge) Unit is turned upside-down

4- Check the coil's water connection side



Left side of the unit (facing air discharge)

Left hand side connection facing air discharge



Right side of the unit (facing air discharge)

Right hand side connection facing air discharge

Fan Coil Units Control Solution - Optional

Petra introduces compactness, reliability, efficiency and service ability through its new Fan Coil Control Solution

Fan Coil Control Solution is available in multi operation modes and models which preserves the environment through the exploitation of modern technology in energy saving

It provides an easy solution for controlling fan coil units without requiring other traditional components such as control relays, transformers, complex wiring and extra device

Plug and play

Up to 8 fan coil units per room can use the same bus, requiring only 2 wires and sharing the same room unit. Local temperature and fan speed readjustments are made possible simply by plugging in an extra return air side sensor and user interface

Cost optimization

Fan Coil Unit Control Solution is designed to minimize the number of parts inside the unit. It is a cost-effective product, optimized for efficient and error-free factory mounting. It also incorporates all terminals needed for site installation

Energy efficiency

Fan coil unit control solution is available for both 3-speed motor and EC motors for maximum efficiency

Modularity

The modular concept enables basic 2-pipe configurations to be extended to 4-pipes, or by a Pulse Width Modulation controlled electrical heater, ensuring maximum comfort at minimum cost. The user interfaces are available with digital room unit with LCD for wall mounting