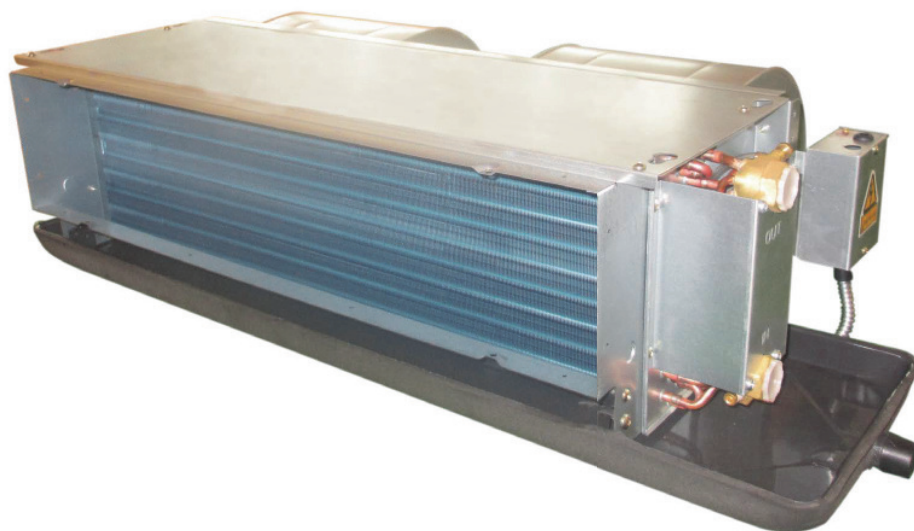




Product Catalog



Horizontal Concealed Chilled Water Fan Coil Unit
Airflow: 200~1500 CFM



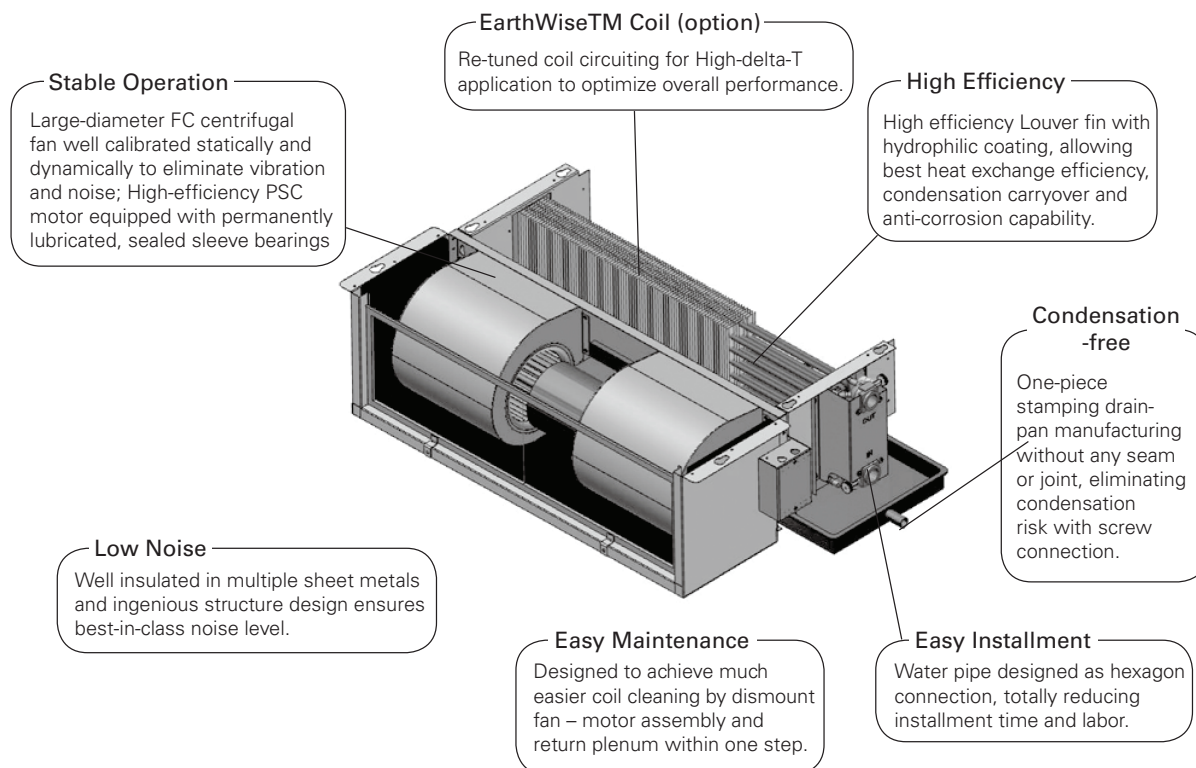
Features and Benefits

Overview

CRQ Range is another leap over the leading Trane FCUs working everywhere around the world. CRQ meets the standards of today's market, as well as the anticipated needs of tomorrow's market. The tradition that company founder Reuben Trane began in the 1930s continues with the latest generation of fan-coils from The Trane Company.

The best design we are offering by CRQ:

- Louver fin to drive higher heat transfer efficiency
- Larger diameter fan to further improve noise level
- Various ESP (External Static Pressure) motor options to provide more precise match
- Dedicated EarthWise™ (large delta T application) coil option
- Full AQP in design and production process to ensure quality delivery
- Many newly patented designs to deliver unique comfort



Model Number Descriptions

H F C F 0 2 L 3 0 1 1 0 0 0 A 0 2 A
 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18

Digits 1-4 Unit Type
 H Horizontal
 F Fan Coil Unit
 C Concealed
 F Platform Version

Digits 5-6 Size--Nominal CFM
 02 200 CFM
 03 300 CFM
 04 400 CFM
 05 500 CFM
 06 600 CFM
 08 800 CFM
 10 1000 CFM
 11 1100 CFM
 12 1200 CFM
 13 1300 CFM
 14 1400 CFM
 15 1500 CFM

Digit 7 Connection Side
 L Left Hand Connection
 R Right Hand Connection

Digit 8 Coil Rows
 2 2 rows
 3 3 rows
 4 4 rows
 A 2+1 rows
 B 3+1 rows
 C 3 rows (EarthWise)
 D 4 rows (EarthWise)
 E 3+1 rows (EarthWise)

Digit 9 Electric Heater
 0 No Electric Heater
 1 With Electric Heater
 (w/ Relay in Terminal Box)

Digit 10 Motor Type
 5 PSC Motor-ESP 50Pa
 A* PSC Motor-ESP 100Pa
 *100 Pa only available in model 11, 13 & 15

Digit 11 Voltage/Hertz/Phase
 1 220 ~ 240VAC/50Hz/1Phase
 2 220 ~ 240VAC/60Hz/1Phase

Digit 12 Valve
 0 None
 A 2-way Valve (2-pipe)
 B 3-way Valve (2-pipe)
 C Two 2-way Valves (4-pipe)

Digit 13 Control
 0 No Control

Digit 14 Plenum Filter
 0 None
 A Rear Return Air Plenum
 B Rear Return Air Plenum w/ 6mm Nylon Filter
 C Rear Return Air Plenum w/ 20mm AI Filter

Digit 15 Drain Pan
 G Cold-roll Steel, Non-flammable Insulation
 H Cold-roll Steel, Non-flammable Insulation (+200mm)
 J Cold-roll Steel w/ Non-flammable Insulation (+310mm)
 K Stainless Steel w/ Non-flammable Insulation
 L Stainless Steel w/ Non-flammable Insulation (+200mm)
 M Stainless Steel w/ Non-flammable Insulation (+310mm)

Digit 16 Future Use
 0 No Option

Digit 17 Design Version
 2 Design Version

Digit 18 Region
 S: Saudi Arabia
 E: MEA

Performance Data

3 Row Unit (2-Pipe, 50Pa Motor)

			02	03	04	05	06	08	10	12	14
Air Flow	High Speed	CMH	340	510	680	850	1020	1360	1700	2040	2380
	Middle Speed	CMH	280	410	550	690	830	1100	1360	1630	1900
	Low Speed	CMH	180	270	350	440	520	690	860	1020	1190
Normal Application ⁽²⁾	Cooling Capacity	kW	2.21	3.16	4.17	5.06	6.10	8.00	9.30	11.10	13.00
	Heating Capacity	kW	3.50	5.20	6.70	8.12	9.70	13.00	15.50	18.00	20.80
	Heating Capacity (by E-heater) ⁽⁵⁾	kW	0.50	1.00	1.40	1.60	1.80	2.80	3.20	3.60	4.60
	Water Flow	l/s	0.11	0.15	0.20	0.25	0.30	0.39	0.45	0.53	0.63
	Water Pressure Drop	kPa	25	24	25	30	40	35	35	40	50
EarthWise Application ⁽³⁾	Cooling Capacity	kW	1.71	2.21	2.74	3.77	4.66	6.79	8.40	9.62	11.54
	Heating Capacity	kW	3.27	4.39	5.49	7.01	8.41	11.64	14.17	16.19	19.09
	Water Flow	l/s	0.05	0.06	0.07	0.10	0.12	0.18	0.22	0.25	0.31
	Water Pressure Drop	kPa	6	5	4	7	8	19	22	21	31
Power Consumption	50Pa	220 ~ 240V/50Hz	W	48	64	84	99	118	164	210	290
		220 ~ 240V/60Hz		40	58	77	112	134	189	242	333
Noise	50Pa	dBA	41.0	42.5	45.0	47.0	48.0	49.0	51.0	52.0	54.0
Number of Motors			1	1	1	1	1	2	2	2	2
Working Pressure			1.8MPa								
Coil Type			Copper Tube / Hydrophilic Aluminum Fin								
Fan Type			Forward-Curve Centrifugal Fan								
Motor Type/IP Rating/Insulation			Single-phase Permanent Split Capacitor/IP20/Class B								
Water Inlet/Outlet Diameter			Rc 3/4" (Female)								
Drain-pan Type			One-piece Stamping & Electrostatic Coating								
Drain-pan Connection Diameter			R 3/4" (Male)								
Options			Return Air Plenum, Filter, Thermostat, E-heater, Special Drain-pan								

1.Cooling and heating capacity, water flow and pressure drop data are based on high speed running of bare unit (i.e. without return air plenum).

2.Normal Operation:

- Cooling operation: inlet air dry/wet bulb temperature (°C): 27/19.5; water inlet/outlet temperature (°C): 7/12;
- Heating operation: inlet air dry bulb temperature (°C): 21; water inlet temperature (°C): 60; same water flow as cooling operation;

3.EarthWise Operation:

- Cooling operation: inlet air dry/wet bulb temperature (°C): 27/19.5; water inlet/outlet temperature (°C): 5.5/14.5
- Heating operation: inlet air dry bulb temperature (°C): 21; water inlet temperature (°C): 60; same water flow as cooling operation;

4.Please refer to model number description for more options.

5.Same performance for EarthWise application.

Performance Data

3 Row Unit (2-Pipe, 100Pa Motor)

			11	13	15
Air Flow	High Speed	CMH	1870	2210	2550
	Middle Speed	CMH	1700	1870	2040
	Low Speed	CMH	935	1105	1275
Normal Application	Cooling Capacity	kW	9.78	11.72	13.48
	Heating Capacity	kW	16.41	19.02	21.67
	Heating Capacity (by E-heater) ⁽⁵⁾	kW	3.20	3.60	4.60
	Water Flow	l/s	0.47	0.56	0.64
	Water Pressure Drop	kPa	38	44	53
EarthWise Application	Cooling Capacity	kW	8.95	10.15	12.10
	Heating Capacity	kW	15.1	17.08	19.92
	Water Flow	l/s	0.24	0.27	0.32
	Water Pressure Drop	kPa	24	23	34
Power Consumption (220~240V/50Hz)	High Speed	W	296	303	376
	Medium Speed	W	254	286	312
	Low Speed	W	141	215	227
Power Consumption (220~240V/60Hz)	High Speed	W	319	359	400
	Medium Speed	W	296	318	354
	Low Speed	W	165	243	265
Noise	High Speed	dBA	56.0	57.0	58.0
	Medium Speed	dBA	55.0	55.5	55.5
	Low Speed	dBA	51.5	51.5	51.5
Number of Motors			2	2	2
Working Pressure			1.8MPa		
Coil Type			Copper Tube / Hydrophilic Aluminum Fin		
Fan Type			Forward-Curve Centrifugal Fan		
Motor Type/IP Rating/Insulation			Single-phase Permanent Split Capacitor/IP 20/Class F		
Water Inlet/Outlet Diameter			Rc 3/4" (Female)		
Drain-pan Type			One-piece Stamping & Electrostatic Coating		
Drain-pan Connection Diameter			R 3/4"(Male)		
Options			Return Air Plenum, Filter, Thermostat, E-heater, Special Drain-pan		

1.Cooling and heating capacity, water flow and pressure drop data are based on high speed running of bare unit (i.e. without return air plenum).

2.Normal Operation:

- Cooling operation: inlet air dry/wet bulb temperature (°C): 27/19.5; water inlet/outlet temperature (°C): 7/12;
- Heating operation: inlet air dry bulb temperature (°C): 21; water inlet temperature (°C): 60; same water flow as cooling operation;

3.EarthWise Operation:

- Cooling operation: inlet air dry/wet bulb temperature (°C): 27/19.5; water inlet/outlet temperature (°C): 5.5/14.5
- Heating operation: inlet air dry bulb temperature (°C): 21; water inlet temperature (°C): 60; same water flow as cooling operation;

4.Please refer to model number description for more options.

5.Same performance for EarthWise application.

Performance Data

4 Row Unit (2-Pipe, 50Pa Motor)

			02	03	04	05	06	08	10	12	14
Air Flow	High Speed		340	510	680	850	1020	1360	1700	2040	2380
	Middle Speed		280	410	550	690	830	1100	1360	1630	1900
	Low Speed		180	270	350	440	520	690	860	1020	1190
Normal Application	Cooling Capacity	kW	2.54	3.66	4.73	5.55	7.01	9.21	11.16	13.07	14.93
	Heating Capacity	kW	4.00	5.69	7.20	8.82	10.73	14.17	17.61	20.16	23.43
	Heating Capacity (by E-heater) ⁽⁵⁾	kW	0.50	1.00	1.40	1.60	1.80	2.80	3.20	3.60	4.60
	Water Flow	l/s	0.12	0.18	0.23	0.27	0.33	0.44	0.53	0.62	0.71
	Water Pressure Drop	kPa	16	20	30	30	34	35	40	40	50
EarthWise Application	Cooling Capacity	kW	2.06	2.71	3.73	4.76	6.38	6.89	8.62	9.88	11.42
	Heating Capacity	kW	3.53	4.36	6.29	8.09	10.04	11.99	15.60	17.73	20.46
	Water Flow	l/s	0.05	0.07	0.10	0.13	0.17	0.18	0.23	0.26	0.30
	Water Pressure Drop	kPa	3.8	4.1	7.9	14.3	25.6	7.5	9.3	10.6	12.5
Power Consumption	50Pa	220 ~ 240V/50Hz	48	64	84	99	118	164	210	230	290
		220 ~ 240V/60Hz	40	58	77	112	134	189	242	273	333
Noise	50Pa	dBA	41.0	42.5	45.0	47.0	48.0	49.0	51.0	52.0	54.0
Number of Motors			1	1	1	1	1	2	2	2	2
Working Pressure			1.8MPa								
Coil Type			Copper Tube / Hydrophilic Aluminum Fin								
Fan Type			Forward-Curve Centrifugal Fan								
Motor Type/IP Rating/Insulation			Single-phase Permanent Split Capacitor/IP20/Class B								
Water Inlet/Outlet Diameter			Rc 3/4" (Female)								
Drain-pan Type			One-piece Stamping & Electrostatic Coating								
Drain-pan Connection Diameter			R 3/4"(Male)								
Options			Return Air Plenum, Filter, Thermostat, E-heater, Special Drain-pan								

1.Cooling and heating capacity, water flow and pressure drop data are based on high speed running of bare unit (i.e. without return air plenum).

2.Normal Operation:

- Cooling operation: inlet air dry/wet bulb temperature (°C): 27/19.5; water inlet/outlet temperature (°C): 7/12;
- Heating operation: inlet air dry bulb temperature (°C): 21; water inlet temperature (°C): 60; same water flow as cooling operation;

3.EarthWise Operation:

- Cooling operation: inlet air dry/wet bulb temperature (°C): 27/19.5; water inlet/outlet temperature (°C): 5.5/14.5
- Heating operation: inlet air dry bulb temperature (°C): 21; water inlet temperature (°C): 60; same water flow as cooling operation;

4.Please refer to model number description for more options.

5. Same performance for EarthWise application.

Performance Data

4 Row Unit (2-Pipe, 100Pa Motor)

			11	13	15
Air Flow	High Speed	CMH	1870	2210	2550
	Middle Speed	CMH	1700	1870	2040
	Low Speed	CMH	935	1105	1275
Normal Application	Cooling Capacity	kW	11.83	13.81	15.58
	Heating Capacity	kW	18.72	21.43	24.51
	Heating Capacity (by E-heater) ⁽⁵⁾	kW	3.20	3.60	4.60
	Water Flow	l/s	0.56	0.66	0.74
	Water Pressure Drop	kPa	45	45	55
EarthWise Application	Cooling Capacity	kW	9.40	10.59	12.17
	Heating Capacity	kW	16.67	18.75	21.55
	Water Flow	l/s	0.25	0.28	0.32
	Water Pressure Drop	kPa	10.8	12	14
Power Consumption (220~240V/50Hz)	High Speed	W	296	303	376
	Medium Speed	W	254	286	312
	Low Speed	W	141	215	227
Power Consumption (220~240V/60Hz)	High Speed	W	319	359	400
	Medium Speed	W	296	318	354
	Low Speed	W	165	243	265
Noise	High Speed	dBA	56.0	57.0	58.0
	Medium Speed	dBA	55.0	55.5	55.5
	Low Speed	dBA	51.5	51.5	51.5
Number of Motors			2	2	2
Working Pressure			1.8MPa		
Coil Type			Copper Tube / Hydrophilic Aluminum Fin		
Fan Type			Forward-Curve Centrifugal Fan		
Motor Type/IP Rating/Insulation			Single-phase Permanent Split Capacitor/IP20/Class F		
Water Inlet/Outlet Diameter			Rc 3/4" (Female)		
Drain-pan Type			One-piece Stamping & Electrostatic Coating		
Drain-pan Connection Diameter			R 3/4"(Male)		
Options			Return Air Plenum, Filter, Thermostat, E-heater, Special Drain-pan		

1.Cooling and heating capacity, water flow and pressure drop data are based on high speed running of bare unit (i.e. without return air plenum).

2.Normal Operation:

- Cooling operation: inlet air dry/wet bulb temperature (°C): 27/19.5; water inlet/outlet temperature (°C): 7/12;
- Heating operation: inlet air dry bulb temperature (°C): 21; water inlet temperature (°C): 60; same water flow as cooling operation;

3.EarthWise Operation:

- Cooling operation: inlet air dry/wet bulb temperature (°C): 27/19.5; water inlet/outlet temperature (°C): 5.5/14.5
- Heating operation: inlet air dry bulb temperature (°C): 21; water inlet temperature (°C): 60; same water flow as cooling operation;

4.Please refer to model number description for more options.

5.Same performance for EarthWise application.

Performance Data

2 Row Unit (2-Pipe, 50Pa Motor)

			02	03	04	05	06	08
Air Flow CMH	High Speed		350	520	690	870	1040	1380
	Middle Speed		280	410	550	700	830	1100
	Low Speed		180	270	350	450	520	690
Cooling Capacity		kW	1.90	2.80	3.60	4.50	5.40	7.20
Heating Capacity		kW	3.15	4.93	6.10	7.41	8.90	12.00
Heating Capacity (by E-heater) ^①		kW	0.50	1.00	1.40	1.60	1.80	2.80
Water Flow		l/s	0.10	0.14	0.17	0.21	0.26	0.34
Water Pressure Drop		kPa	15	30	25	30	34	36
Power Consumption	50Pa	220 ~ 240V/50Hz	W	48	64	84	99	118
		220 ~ 240V/60Hz		40	58	77	112	189
Noise	50Pa	dBA	41.0	42.5	45.0	47.0	48.0	49.0
Number of Motors			1	1	1	1	1	2
Working Pressure			1.8MPa					
Coil Type			Copper Tube / Hydrophilic Aluminum Fin					
Fan Type			Forward-Curve Centrifugal Fan					
Motor Type/IP Rating/Insulation			Single-phase Permanent Split Capacitor/IP 20/Class B					
Water Inlet/Outlet Diameter			Rc 3/4" (Female)					
Drain-pan Type			One-piece Stamping & Electrostatic Coating					
Drain-pan Connection Diameter			R 3/4" (Male)					
Options			Return Air Plenum, Filter, Thermostat, E-heater, Special Drain-pan					

1.Cooling and heating capacity, water flow and pressure drop data are based on high speed running of bare unit (i.e. without return air plenum).

2.Normal Operation:

- Cooling operation: inlet air dry/wet bulb temperature (°C): 27/19.5; water inlet/outlet temperature (°C): 7/12;
- Heating operation: inlet air dry bulb temperature (°C): 21; water inlet temperature (°C): 60; same water flow as cooling operation;

3.Please refer to model number description for more options.

Performance Data

2+1 Row Unit (4-Pipe, 50Pa Motor)

			02	03	04	05	06	08	
Air Flow CMH	High Speed		340	510	680	850	1020	1360	
	Middle Speed		280	410	550	690	830	1100	
	Low Speed		180	270	350	440	520	690	
Cooling Capacity		kW	1.93	2.86	3.81	4.50	5.74	7.22	
Water Flow		kPa	0.10	0.14	0.19	0.22	0.28	0.35	
Water Pressure Drop		kPa	8	16	26	21	25	28	
Heating Capacity (1 Row)		l/s	1.67	2.21	2.50	2.92	3.45	4.11	
Water Flow		kPa	0.07	0.06	0.06	0.06	0.06	0.05	
Water Pressure Drop		kPa	30	30	30	30	40	40	
Power Consumption	50Pa	220 ~ 240V/50Hz	W	48	64	84	99	118	164
		220 ~ 240V/60Hz		40	58	77	112	134	189
Noise	50Pa	dBA	41.0	42.5	45.0	47.0	48.0	49.0	
Number of Motors			1	1	1	1	1	2	
Working Pressure			1.8MPa						
Coil Type			Copper Tube / Hydrophilic Aluminum Fin						
Fan Type			Forward-Curve Centrifugal Fan						
Motor Type/IP Rating/Insulation			Single-phase Permanent Split Capacitor/IP 20/Class B						
Water Inlet/Outlet Diameter			Rc 3/4" (Female) / Rc 1/2" (Hot Water)						
Drain-pan Type			One-piece Stamping & Electrostatic Coating						
Drain-pan Connection Diameter			R 3/4" (Male)						
Options			Return Air Plenum, Filter, Thermostat, E-heater, Special Drain-pan						

1.Cooling and heating capacity, water flow and pressure drop based on high speed running of bare unit (i.e. without return air plenum).

2.Normal Operation:

- Cooling operation: inlet air dry/wet bulb temperature (°C): 27/19.5; water inlet/outlet temperature (°C): 7/12;

- Heating operation (1 row): inlet air dry bulb temperature (°C): 21; water inlet temperature (°C): 60;

3.Please refer to model number description for more options.

Performance Data

3+1 Row Unit (4-Pipe, 50Pa Motor)

			02	03	04	05	06	08	10	12	14
Air Flow	High Speed		340	510	680	850	1020	1360	1700	2040	2380
	Middle Speed		280	410	550	690	830	1100	1360	1630	1900
	Low Speed		180	270	350	440	520	690	860	1020	1190
Normal Application	Cooling Capacity	kW	1.66	3.10	4.04	4.96	5.98	7.62	9.02	10.80	12.74
	Water Flow	l/s	0.04	0.15	0.20	0.24	0.30	0.37	0.44	0.52	0.62
	Water Pressure Drop	kPa	25	24	23	30	38	32	33	38	50
EarthWise Application	Cooling Capacity	kW	1.66	2.18	2.71	3.64	4.38	6.4	7.79	9.06	11.27
	Water Flow	l/s	0.04	0.06	0.07	0.10	0.12	0.17	0.21	0.24	0.31
	Water Pressure Drop	kPa	5.2	4.9	4.1	6.9	7.3	14.9	16.2	16.6	29.5
Heating Capacity			kW	2.41	3.16	3.88	4.42	5.20	6.15	7.24	8.81
Water Flow			l/s	0.14	0.13	0.12	0.11	0.12	0.11	0.11	0.11
Water Pressure Drop			kPa	30	30	30	30	40	40	40	50
Power Consumption	50Pa	220 ~ 240V/50Hz	W	48	64	84	99	118	164	210	230
		220 ~ 240V/60Hz		40	58	77	112	134	189	242	273
Noise	50Pa	dBA	41.0	42.5	45.0	47.0	48.0	49.0	51.0	52.0	54.0
Number of Motors			1	1	1	1	1	2	2	2	2
Working Pressure			1.8MPa								
Coil Type			Copper Tube / Hydrophilic Aluminum Fin								
Fan Type			Forward-Curve Centrifugal Fan								
Motor Type/IP Rating/Insulation			Single-phase Permanent Split Capacitor/IP20/Class B								
Water Inlet/Outlet Diameter			Rc 3/4" (Female) / Rc 1/2" (Hot Water)								
Drain-pan Type			One-piece Stamping & Electrostatic Coating								
Drain-pan Connection Diameter			R 3/4" (Male)								
Options			Return Air Plenum, Filter, Thermostat, E-heater, Special Drain-pan								

1.Cooling and heating capacity, water flow and pressure drop data are based on high speed running of bare unit (i.e. without return air plenum).

2.Normal Operation:

- Cooling operation: inlet air dry/wet bulb temperature (°C): 27/19.5; water inlet/outlet temperature (°C): 7/12;
- Heating operation(1 row): inlet air dry bulb temperature (°C): 21; water inlet temperature (°C): 60;

3.EarthWise Operation:

- Cooling operation: inlet air dry/wet bulb temperature (°C): 27/19.5; water inlet/outlet temperature (°C): 5.5/14.5
- Heating operation(1 row): inlet air dry bulb temperature (°C): 21; water inlet temperature (°C): 60;

4.Please refer to model number description for more options.

Performance Data

3+1 Row Unit (4-Pipe, 100Pa Motor)

			11	13	15
Air Flow	High Speed	CMH	1870	2210	2550
	Middle Speed	CMH	1700	1870	2040
	Low Speed	CMH	935	1105	1275
Normal Application	Cooling Capacity	kW	9.52	11.41	13.27
	Water Flow	l/s	0.45	0.54	0.63
	Water Pressure Drop	kPa	36	42	53
EarthWise Application	Cooling Capacity	kW	8.29	9.56	11.81
	Water Flow	l/s	0.22	0.25	0.31
	Water Pressure Drop	kPa	18.1	18.3	32
Heating Capacity		kW	7.44	7.84	8.96
Water Flow		l/s	0.11	0.10	0.11
Water Pressure Drop		kPa	40	40	50
Power Consumption (220~240V/50Hz)	High Speed	W	296	303	376
	Medium Speed	W	254	286	312
	Low Speed	W	141	215	227
Power Consumption (220~240V/60Hz)	High Speed	W	319	359	400
	Medium Speed	W	296	318	354
	Low Speed	W	165	243	265
Noise	High Speed	dBA	56.0	57.0	58.0
	Medium Speed	dBA	55.0	55.5	55.5
	Low Speed	dBA	51.5	51.5	51.5
Number of Motors			2	2	2
Working Pressure			1.8MPa		
Coil Type		Copper Tube / Hydrophilic Aluminum Fin			
Fan Type		Forward-Curve Centrifugal Fan			
Motor Type/IP Rating/Insulation		Single-phase Permanent Split Capacitor/IP20/Class F			
Water Inlet/Outlet Diameter		Rc 3/4" (Female)/Rc 1/2" (Hot Water)			
Drain-pan Type		One-piece Stamping & Electrostatic Coating			
Drain-pan Connection Diameter		R 3/4"(Male)			
Options		Return Air Plenum, Filter, Thermostat, E-heater, Special Drain-pan			

1.Cooling and heating capacity, water flow and pressure drop data are based on high speed running of bare unit (i.e. without return air plenum).

2.Normal Operation:

- Cooling operation: inlet air dry/wet bulb temperature (°C): 27/19.5; water inlet/outlet temperature (°C): 7/12;
- Heating operation(1 row): inlet air dry bulb temperature (°C): 21; water inlet temperature (°C): 60;

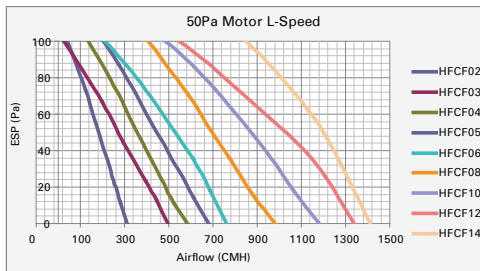
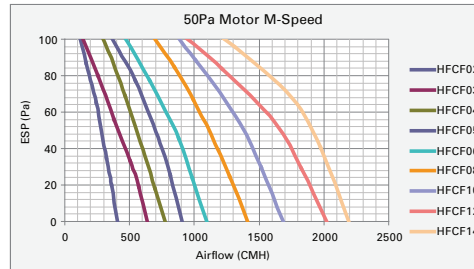
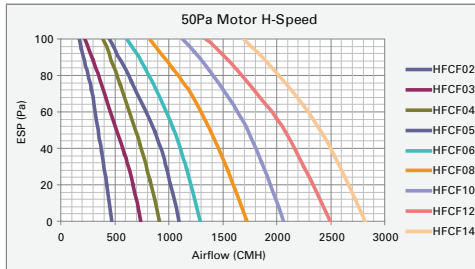
3.EarthWise Operation:

- Cooling operation: inlet air dry/wet bulb temperature (°C): 27/19.5; water inlet/outlet temperature (°C): 5.5/14.5
- Heating operation(1 row): inlet air dry bulb temperature (°C): 21; water inlet temperature (°C): 60;

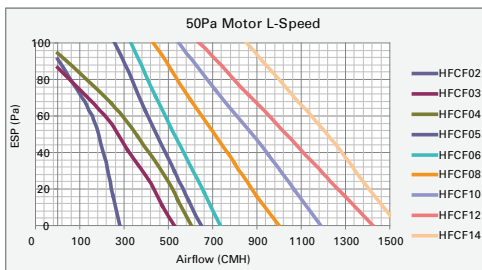
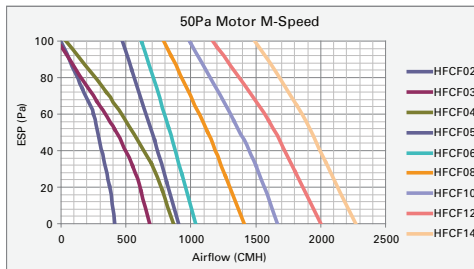
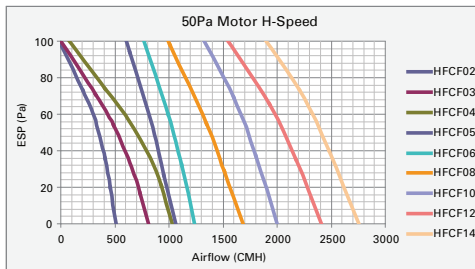
4.Please refer to model number description for more options.

Airflow Curve(50Pa Motor)

220~240V-50Hz

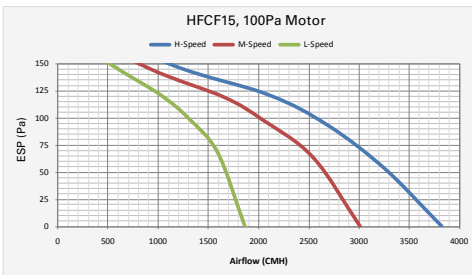
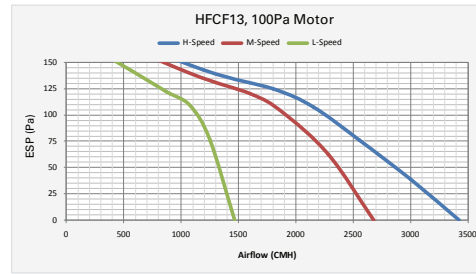
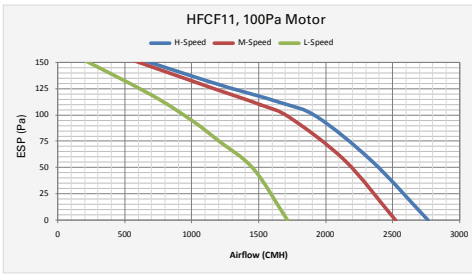


220~240V-60Hz

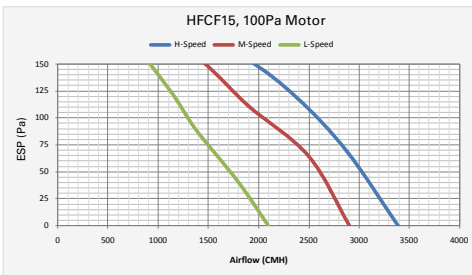
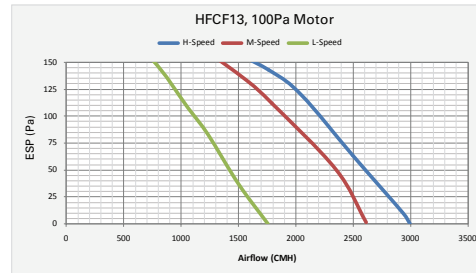
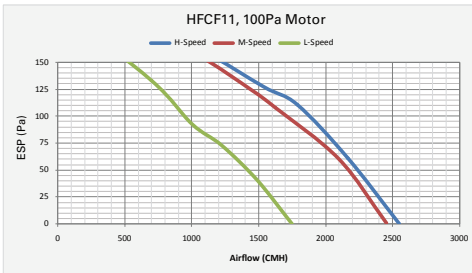


Airflow Curve (100Pa Motor)

220 ~ 240V-50Hz

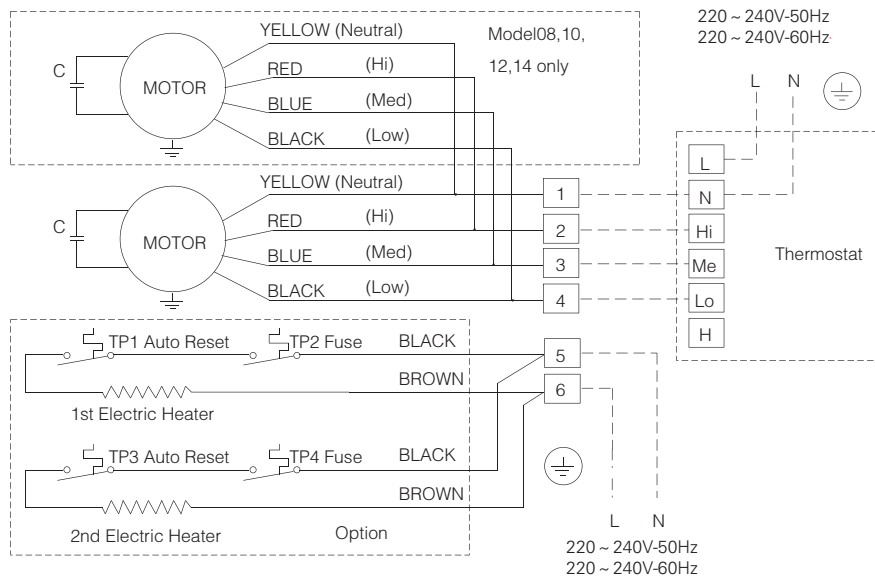


220 ~ 240V-60Hz



Note: Please use Trane TOPSS program or contact Trane sales to get selectable range for various configurations.

Wiring Diagram



Motor speed control

Yellow and Red Wires = High Speed
 Yellow and Blue Wires = Medium Speed
 Yellow and Black Wires = Low Speed

Trane can provide terminal boxes with relay inside to support e-heater application and you can freely choose according to your needs.

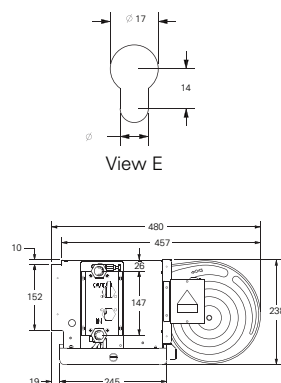
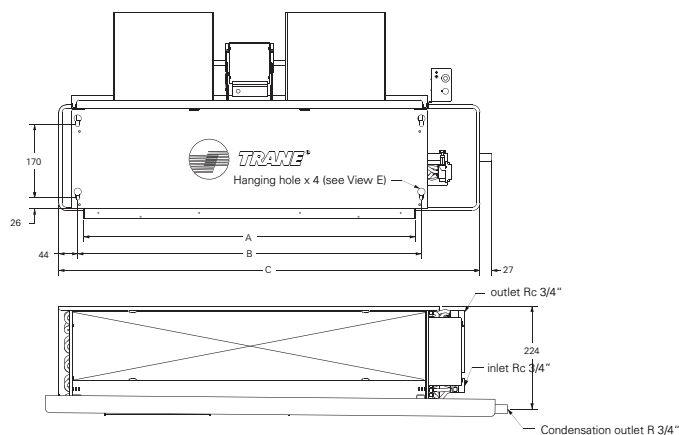
Warning:

1. Units with different sizes or motor types are not allowed to be wired in parallel to be controlled by one thermostat.
2. Max. 2 units with same sizes and motor types may be wired in parallel to be controlled by one thermostat, provided that the thermostat capacity is large enough to control two units.
3. Only qualified personnel should install and service the equipment.
4. Cut off power before any service or maintenance starts.

Dimensions and Weights

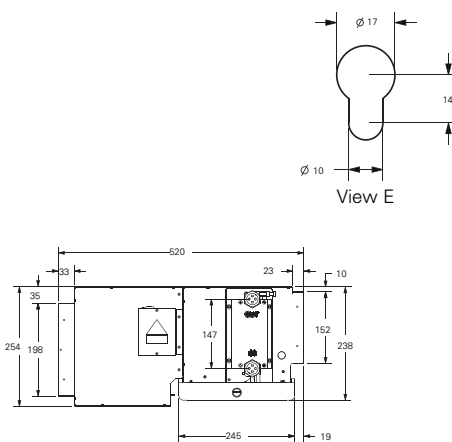
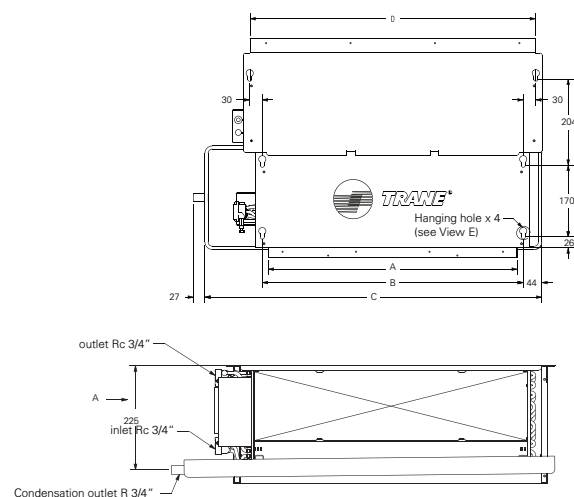
2-pipe (without return plenum)

Unit:mm



2-pipe (with return plenum)

Unit:mm



Rear return plenum

Dimension (mm)					Weight (kg)							
					Without return plenum			With return plenum				
					50Pa			50Pa				
A	B	C*	D	2 Row	3 Row	4 Row	2 Row	3 Row	4 Row			
HFCF02	440	468	648	526	10.5	11	11.5	13.5	14	14.5		
HFCF03	590	618	798	676	13.5	14	14	17	17.5	17.5		
HFCF04	690	718	898	776	15	15.5	16	19	19.5	20		
HFCF05	770	798	978	856	16	17	17.5	20	21	21.5		
HFCF06	970	998	1183	1056	19	20	21	24	24.5	25.5		
HFCF08	1210	1238	1423	1296	26.5	27	28	32	33	34		
HFCF10	1330	1358	1543	1416	-	31	32	-	37.5	38.5		
HFCF12	1570	1598	1783	1656	-	34	35	-	42	43		
HFCF14	1750	1778	1963	1836	-	36.5	38	-	45	46.5		
					100Pa			100Pa				
					3 Row		4 Row		3 Row		4 Row	
HFCF11	1330	1358	1543	1416	33		34		39.5		40.5	
HFCF13	1570	1598	1783	1656	36		36.5		44		45	
HFCF15	1750	1778	1963	1836	37.5		39		46		47.5	

Note:

C dimension is standard drain pan length.

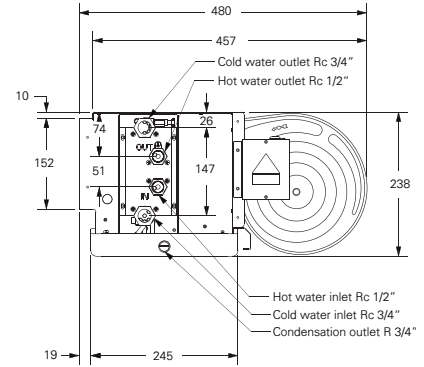
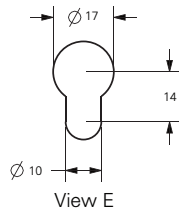
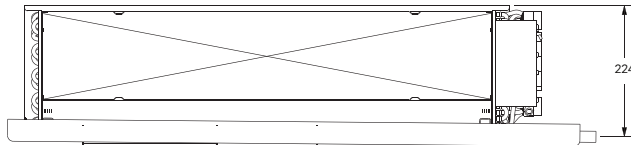
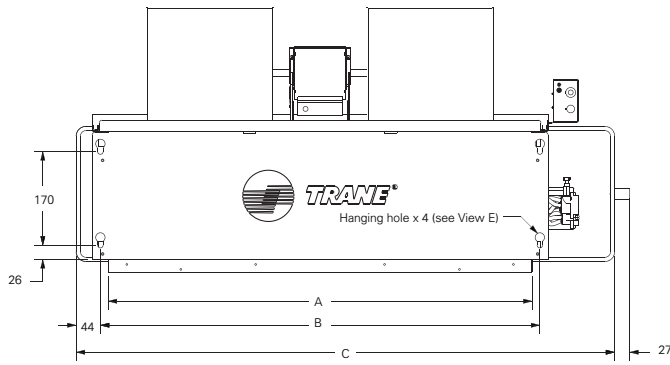
Add 200 to C dimension to get +200mm extended drain pan length.

Add 310 to C dimension to get +310mm extended drain pan length.

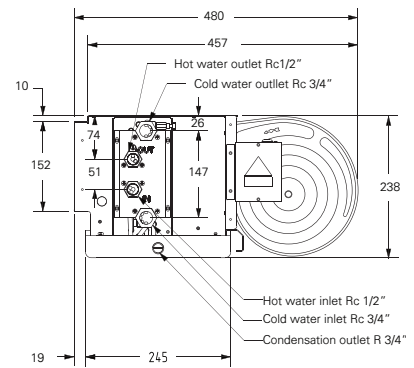
Dimensions and Weights

4-pipe

Unit:mm



2+1 Row



3+1 Row

Dimension (mm)					Weight (kg)			
					Without return plenum		With return plenum	
	A	B	C*	D	50Pa		50Pa	
					2+1 Row	3+1 Row	2+1 Row	3+1 Row
HFCF02	440	468	648	526	11	12	14	15
HFCF03	590	618	798	676	14	14.5	17	17.5
HFCF04	690	718	898	776	16	16	19	19
HFCF05	770	798	978	856	17	18	20	21
HFCF06	970	998	1183	1056	20	21	23	24
HFCF08	1210	1238	1423	1296	28	28	31	31
HFCF10	1330	1358	1543	1416	-	32	-	35
HFCF12	1570	1598	1783	1656	-	35.5	-	38.5
HFCF14	1750	1778	1963	1836	-	38	-	41
					100Pa		100Pa	
					3+1 Row		3+1 Row	
HFCF11	1330	1358	1543	1416	34		37	
HFCF13	1570	1598	1783	1656	37.5		40.5	
HFCF15	1750	1778	1963	1836	39		42	

Note:
C dimension is standard drain pan length.
Add 200 to C dimension to get +200mm extended drain pan length.
Add 310 to C dimension to get +310mm extended drain pan length.

Options Valve Package

Specifications

Optional offer to provide factory-assembled valve package, including 2- or 3-way ON/OFF valve with electric actuator. Trane offers suitable drain-pan to best accommodate different package and avoid any condensation risk.

Easy Installation

- Industrial standard thread joint for pipe connection.
- Terminal box for electrical wiring connection.

Low Installation Cost

- Eliminate field installed for controls valve packaged and its accessories.
- Quick installation time and save field workmanship cost.

Compact Design

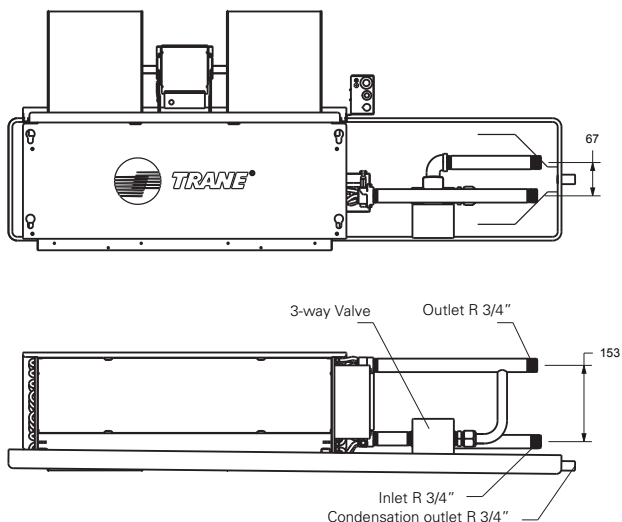
- Extended drain pan up to substantial length for piping connection.

2-way/3-way Valve

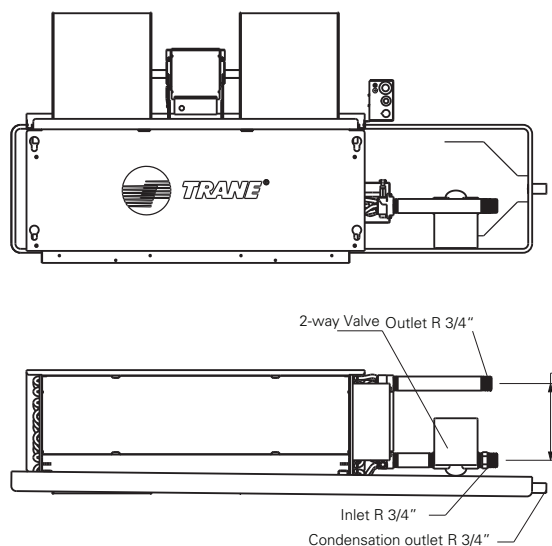


Power Consumption	Nominal Pressure	Close-off Pressure	IP Grade	Power Supply	Kv's	Valve on-off Speed	Pipe connection
6.5W	2.1MPa	344KPa	IP51	220-240V 100-127V	2.2 2.6	4-5s(spring) 13-18s (motor)	DN20 Female Thread

3-way Valve



2-way Valve



Note: Please select extended Drain-pan (200mm) for 2-way Valve and 310mm for 3-way valve.



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