BREEZE[™] Series Fan Coil Units

FC-NFCI (Horizontal) Ceiling Type 340-2380m³/h





The Climaveneta FC-NFCI Fan Coil Units are the latest series of high-quality products, which are designed to deliver airflow with different temperature continuously or intermittently to maintain the heat and moisture balance.

Well suitable for the central air conditional application in hotels, apartments, villas, office buildings, hospitals and other applications.

Well suitable for tight space with compact design

High efficiency, Low sound level, Easy installation and servicing

10 models in total

Airflow: 340-2380m³/h Cooling Capacity: 2420-12920W



Feature and Benefit

Durable construction

Casing of Breeze fan coil units shall be galvanized steel panel. And the drain pan is treated by extruded seamless technology to prevent the leakage and rust. Thermal insulation that meets fire code is attached to the drain pan integrally. Construction of the units is sturdy and permanent.

High efficiency Performance

Coils shall be fabricated by copper tubes and hydrophilic coated aluminum fins. Tubes are expanded into the fins accurately to assure the heat transfer efficiency. Fans shall be high airflow rate and low noise design. And brass headers of copper tubes well distribute the water flow configuration to assure optimum heat transfer efficiency.

Low noise level and cost saving

Fans shall be specially designed with over-sized galvanized multiblade centrifugal wheel, operating with low noise, high static pressure and airflow rate. And low noise permanent capacitor motor shall be factory balance tested for ensure the high efficiency and guiet operation.

Easy maintenance

Motors shall be fabricated with rolling bearing with quenched and tempered steel by antirust treated. Three-speed LCD thermostat is optional to control the airflow and room temperature.

Versatile design and minimum installation cost

Units shall be low-weighted design. Drain pipes and wires are easy to install. The water connection direction and return air plenum connection direction are changeable according to the site requirements.

Mechanical Specification

Coil: high efficiency heat transfer performance

Coils shall be manufactured by copper tubes and sine-wave aluminum fins hydrophilic coated. And tubes are mechanically expanded to bond with aluminum fins. Considering water flow configuration and the performance of heat transfer, headers shall be fabricated of brass material.





Casing: reliable structure and elegant design

Casing shall be constructed by high quality extruded galvanize steel panel, sturdy and permanent. The key components shall be insulated with PE Layer, nice figure and smooth surface.

Drain pan: special design preventing leakage

Drain pans shall be fabricated by high quality steel panel with punch forming and hot-dip bake treated. PE insulation material is designed to tightly bond with drain pan with the benefit of easy manufacturing, anti-leakage and elegant feature, eventually extending the drain pan life. The coil and drain pan are internal fixed by screws to prevent rust and cold bridge. The width and length of the drain pan can cover the piping space of the motorized valve in the inlet and outlet pipes to ensure the water collection effect.



Motor: high efficiency and low power consumption

Motors shall consist of low noise permanent capacitor motors and total enclosed rolling bearing with permanent lubricated. The base of motor shall be isolated by rubber pad while minimizing the vibration and operation noise.

Fans: low acoustic level

Fans shall be equipped with efficient, low noise, multiblade centrifugal fan with oversized fan wheel, and shall be manufactured with galvanized steel panel for well dynamic balance performance.

Accessories (optional)

- Electric heater;
- Return air plenum (below return or back return);
- Removable filter (nylon filter or aluminum mesh-nylon-aluminun mesh filter);
- Extended drain pan;
- Stainless steel drain pan;
- UV light



Model Nomenclature

FC-NFCI Default-none; N: with return air plenum & filter option Design Code H Coil connection: L-left hand; R-right hand Drain pan material: default-galvanized steel; B-stainless steel; J-100mm extended galvanized steel; S-100mm extended stainless steel Purifier: default-none; U-UV light Default-none; EX-electric heating capacity (1kW: FC-200~400; 2kW: FC-500-600; 3kW: FC-800~1400) Coil: default-3 rows 2 pipes; 4-(3+1) rows 4 pipes ESP: default-12 Pa; H30-30 Pa; H50-50 Pa Unit configuration: NFCI-horizontal concealed Nominal air flow (CFM) Fan Coil Unit

e. g.

FC-800NFCIH504EXBLHN:

FC-800NFCIH504EXBLHN means horizontal concealed FCU with nominal air flow rate 800 CFM, external static pressure 50 Pa, 4(3+1) rows 4 pipes, electric heater which power is 3kW, stainless steel drain pan, left hand connection and design Code H, with return air plenum & filter option.

Performance Data

3 rows fan coil unit (2 pipes)

Item		200	300	400 500		600		
	High Speed (H) 12Pa/30Pa/50Pa	340	510	680	850	1020		
Airflow (m³/h)	Medium Speed (M) 7Pa/17Pa/28Pa	290/300/280	470/400/395 540/520/620 650/690/700		650/690/700	810/840/800		
	Low Speed (L) 3Pa/8Pa/13Pa	180/180/200	280/300/290	340/370/440	500/490/510	610/620/530		
Δt=5 C Working Capacity (3 rows)	Total Cooling Capacity(W) 12Pa/30Pa/50Pa	2420/2420/2350	3460/3430/3400	4290/4180/4120	5370/5320/5270	6210/6140/6030		
	Sensible Cooling Capacity(W) 12Pa/30Pa/50Pa	1620/1620/1570	2380/2340/2290	3010/2950/2890	3790/3750/3710	4380/4290/4210		
	Heating Capacity (W) Water inlet Temperature 60 C 12Pa/30Pa/50Pa	3600/3600/3600	5550/5530/5510	7170/7120/7130	8630/8570/8620	10220/10220/10170		
	Heating Capacity (W) Water inlet Temperature 45 C 12Pa/30Pa/50Pa	2240/2240/2240	3260/3250/3240	4410/4380/4380	5300/5270/5300	6130/6130/6010		
	Water Flow Rate (LPM) 12Pa/30Pa/50Pa	7.0/7.0/6.8	9.9/9.8/9.7 12.3/12/11.5 15.4/15.2/1		15.4/15.2/15.1	17.8/17.3/17.0		
	Cooling Water Pressure Drop (kPa) 12Pa/30Pa/50Pa	23/23/23	23/23/23	21/20/19	30/30/30	29/27/25		
	Heating Water Pressure Drop (kPa) 12Pa/30Pa/50Pa	17/17/17	17/17/17	16/15/15	27/26/25	24/23/22		
Hig	n Speed Power Input(W) 12Pa/30Pa/50Pa	34/42/47	48/57/64	60/70/81	72/84/97	93/104/110		
Medium Speed Power Input(W) 7Pa/17Pa/28Pa		32/37/44	43/49/55	49/59/73	56/78/90	76/96/102		
Low Speed Power Input(W) 3Pa/8Pa/13Pa		25/29/40	30/42/48	36/49/61	47/69/82	65/84/88		
High Speed Noise Level dB(A) 12Pa/30Pa/50Pa		33.5/34.5/37.5	36/38/41	39.5/39.5/41.5	41/41/43	44/42.5/45		
Medium Speed Noise Level dB(A) 7Pa/17Pa/28Pa		30/31/34	30.5/30.5/34.5	33/33.5/38	34/36/38	38/37/39		
Low Speed Noise Level dB(A) 3Pa/8Pa/13Pa		20/20/24	21.5/21.5/23.5	21/22.0/27.0	25/27/29	31/30/32		
Energy Efficiency Ratio (FCEER)(W/W) 12Pa/30Pa/50Pa		64/56/49	65/55/51	66/58/50	65/53/50	60/54/53		
Coefficient Of Performance (FCCOP)(W/W) Water Inlet Temperature 60 C 12Pa/30Pa/50Pa		100/85/74	107/88/80	110/97/84	108/85/79	98/87/85		
Coefficient Of Performance (FCCOP)(W/W) Water Inlet Temperature 45 C 12Pa/30Pa/50Pa		62/53/47	60/53/48 68/60/52 66/52		66/53/50	60/54/52		
	Coil Type	High quality copper tubes and hydrophilic aluminum fins						
0"	Inlet/outlet Connection size	DN20 Female thread (RC 3/4")						
Coll	Drain Connection Size	DN20 Male thread (RC 3/4")						
	Working Water Pressure	1.6 Mpa						
_	Fan Type	Double inlet, forward curved centrifugal fan						
Fan	Qty.	1 2						
Motor	Motor Type	3-speed capacitor motors						
	Bearing Type	Permanently lubricated bearing						
	Power Supply	220V/1P/50Hz						
	Qty.	1						
Net Weight (kg)	Without Return Air Box	11.0	13.0	15.0	16.0	17.0		
	With Return Air Box	14.0	16.5	19.5	21.0	22.5		

3 rows fan coil unit (2 pipes)

Item		700 800		1000 1200		1400			
	High Speed (H) 12Pa/30Pa/50Pa	1190	1360	1700	2040	2380			
Nominal Airflow (m³/h)	Medium Speed (M) 7Pa/17Pa/28Pa	940/990/960	1150/1120/1170	1330/1360/1340	1630/1600/1700	1910/1790/2030			
	Low Speed (L) 3Pa/8Pa/13Pa	660/690/690	850/860/860	960/1010/960	1200/1140/1200	1340/1310/1490			
∆t=5 C Working Capacity (3 rows)	Total Cooling Capacity(W) 12Pa/30Pa/50Pa	6910/6800/6620	8290/8240/8080	9430/9240/9150	11500/11330/10950	12920/12600/12600			
	Sensible Cooling Capacity(W) 12Pa/30Pa/50Pa	4980/4890/4790	5930/5890/5790	6930/6780/6690	8510/8380/8100	9560/9240/9240			
	Heating Capacity (W) Water inlet Temperature 60 C 12Pa/30Pa/50Pa	11120/11130/11110	13380/13330/13380	15890/15840/15840	18740/18740/18690	21730/21670/21670			
	Heating Capacity (W) Water inlet Temperature 45 C 12Pa/30Pa/50Pa	6840/6840/6830	8200/8170/8200	9930/9900/9900	11300/11300/11280	11900/11860/11860			
	Water Flow Rate (LPM) 12Pa/30Pa/50Pa	19.8/19.5/18.7	23.8/23.6/23.2	27/26.3/26.1	33/32.5/31.4	37/36.1/36.1			
	Cooling Water Pressure Drop (kPa) 12Pa/30Pa/50Pa	30/30/30	36/35/33	40/40/40	40/40/40	50/50/50			
	Heating Water Pressure Drop (kPa) 12Pa/30Pa/50Pa	24/24/23	30/29/30	40/40/40	40/40/40	50/50/50			
High Speed Power Input(W) 12Pa/30Pa/50Pa		112/121/131	129/138/163	147/169/196	183/206/227	221/245/279			
Medium Speed Power Input(W) 7Pa/17Pa/28Pa		90/110/120	119/127/154	128/158/184	167/193/217	197/226/253			
Low Speed Power Input(W) 3Pa/8Pa/13Pa		73/91/100	101/110/130	109/138/166	142/171/193	165/200/227			
High Speed Noise Level dB(A) 12Pa/30Pa/50Pa		45.5/45.5/46.5	45/44.5/46.5	47/47/49	49/49/51	51/50/51			
Medium Speed Noise Level dB(A) 7Pa/17Pa/28Pa		40/39.5/41.5	41/40.5/42.5	41/41/45	44/45/46	47/46/47			
Low Speed Noise Level dB(A) 3Pa/8Pa/13Pa		32/31/33	32/31/33	33/32.5/37	35/35/39	36/36/39			
Energy Efficiency Ratio (FCEER)(W/W) 12Pa/30Pa/50Pa		57/53/48	54/51/45	53/49/44	52/47/43	48/44/38			
Coefficient Of Performance (FCCOP)(W/W) Water Inlet Temperature 60 C 12Pa/30Pa/50Pa		90/84/78	88/84/74	90/82/74	86/79/72	82/75/68			
Coefficient Of Performance (FCCOP)(W/W) Water Inlet Temperature 45 C 12Pa/30Pa/50Pa		56/52/49	55/52/46	57/52/47	52/47/43	48/44/38			
	Coil Type	High quality copper tubes and hydrophilic aluminum fins							
	Inlet/outlet Connection Size	DN20 Female thread (RC 3/4")							
Coil	Drain Connection Size	DN20 Male thread (RC 3/4")							
	Working Water Pressure	1.6 Mpa							
	Fan Type	Double inlet, forward curved centrifugal fan							
Fan	Qty.	2	3	4					
Motor	Motor Type	3-speed capacitor motors							
	Bearing Type	Permanently lubricated bearing							
	Power Supply	220V/1P/50Hz							
	Qty.		1		2				
Net Weight	Without Return Air Box	18.0	23.0	27.5	27.5 30.0				
(kg)	With Return Air Box	24.5	29.0	34.5	37.5	39.5			

Remarks:

1. Cooling condition: Air inlet temp. 27 CDB/19.5 CWB, Water inlet temp. 7 C, Water temperature difference 5 C.

2.Heating condition: Air inlet temp. 21 CDB, Water inlet temp.60 C or 45 C, Water flow is same as cooling condition. 3.Noise level standard: GB/T 19232-2019.

4.LPM: L/Mins, 1LPM=0.06m³/h

Performance Data

3+1 rows fan coil unit (4 pipes)

Item		200 300		400	500	600		
	High Speed (H) 12Pa/30Pa/50Pa	340	510	680	850	1020		
Nominal Airflow (m³/h)	Medium Speed (M) 7Pa/17Pa/28Pa	280/290/270	460/390/385	530/510/610	640/680/690	800/830/790		
	Low Speed (L) 3Pa/8Pa/13Pa	170/170/210	270/290/280	340/360/430	490/480/500	600/610/520		
	Total Cooling Capacity 3 Raws Cooling(W) 12Pa/30Pa/50Pa	2360/2360/2290	3420/3390/3370	4260/4150/3990	5300/5250/5200	6100/5960/5850		
	Sensible Cooling Capacity 3 Raws Cooling(W) 12Pa/30Pa/50Pa	1580/1580/1530	2350/2310/2260	2980/2920/2800	3720/3680/3640	4300/4180/4100		
	Heating Capacity - 1 Row Heating(W) Water inlet Temperature 60 C 12Pa/30Pa/50Pa	2170/2170/2170	3220/3200/3200	4000/3980/3980	4600/4600/4600	5440/5440/5420		
	Heating Capacity - 1 Row Heating(W) Water inlet Temperature 45 C 12Pa/30Pa/50Pa	1390/1390/1390	/1390/1390 2060/2040/2040 2560/2540/2540 2940/294		2940/2940/2940	3480/3480/3460		
∆t=5°C Working	Water Flow Rate 3 Raws Cooling (LPM) 12Pa/30Pa/50Pa	6.8/6.8/6.6	9.8/9.7/9.7 12.2/11.9/11.4 15.2/15.0/1		15.2/15.0/14.9	17.5/17.1/16.8		
(3 rows)	Water Flow Rate - 1 Row Heating (LPM) Water inlet Temperature 60 C 12Pa/30Pa/50Pa	3.1/3.1/3.1	4.6/4.6/4.6	5.7/5.7/5.7	6.6/6.6/6.6	7.8/7.8/7.8		
	Water Flow Rate - 1 Row Heating (LPM) Water inlet Temperature 45 C 12Pa/30Pa/50Pa	4.0/4.0/4.0	5.9/5.8/5.8	7.3/7.3/7.3	7.3/7.3/7.3 8.4/8.4./8.4			
	Water Pressure Drop 3 Raws Cooling(kPa) 12Pa/30Pa/50Pa	23/23/22	23/23/22	21/20/19	30/30/30	30/30/30		
	Heating Water Pressure Drop - 1 Row Heating(kPa) Water inlet Temperature 60 C 12Pa/30Pa/50Pa	30/30/30	13/13/13	16/16/16	25/25/25	33/33/33		
	Heating Water Pressure Drop - 1 Row Heating(kPa) Water inlet Temperature 45 C 12Pa/30Pa/50Pa	30/30/30	27/27/27	30/30/30	30/30/30	40/40/40		
High Speed Power Input(W) 12Pa/30Pa/50Pa		34/42/47	48/57/64	60/70/81	72/84/97	93/104/110		
Medium Speed Power Input(W) 7Pa/17Pa/28Pa		32/37/44	43/49/55	49/59/73	56/78/90	76/96/102		
Low Speed Power Input(W) 3Pa/8Pa/13Pa		25/29/40	30/42/48	36/49/61	47/69/82	65/84/88		
High Speed Noise Level dB(A) 12Pa/30Pa/50Pa		33.5/34.5/37.5	36/38/41	39.5/39.5/41.5	41/41/43	44/42.5/45		
Medium Speed Noise Level dB(A) 7Pa/17Pa/28Pa		30/31/34	30.5/30.5/34.5	33/33.5/38	34/36/38	38/37/39		
Low Speed Noise Level dB(A) 3Pa/8Pa/13Pa		20/20/24	21.5/21.5/23.5	21/22.0/27.0	25/27/29	31/30/32		
Energy Efficiency Ratio (FCEER)(W/W) 12Pa/30Pa/50Pa		61/53/47	65/55/49	65/55/47	65/56/49	58/52/48		
Coefficient Of Performance (FCCOP)(W/W) Water Inlet Temperature 60 C 12Pa/30Pa/50Pa		61/51/45	65/55/49	64/55/48	61/53/46	55/50/47		
Coefficient Of Performance (FCCOP)(W/W) Water Inlet Temperature 45 C 12Pa/30Pa/50Pa		39/32/28	40/34/30	40/34/30	38/33/29	34/31/29		
	Coil Type	High quality copper tubes and hydrophilic aluminum fins						
Coil	Inlet/outlet Connection Size	DN20 Female thread (RC 3/4")						
Coll	Drain Connection Size	DN20 Male thread (RC 3/4")						
	Working Water Pressure	1.6 Mpa						
For	Fan Type	Double inlet, forward curved centrifugal fan						
⊢an	Qty.	1 2						
	Motor Type	3-speed capacitor motors						
	Bearing Type	Permanently lubricated bearing						
WOLOF	Power Supply	220V/1P/50Hz						
	Qty.	1						
Net Weight	Without Return Air Box 12.0		14.0	16.0	17.0	18.0		
(kg)	With Return Air Box	15.0	17.5	20.5	22.0	23.5		

3+1 rows fan coil unit (4 pipes)

Item		700	800	1000	1200	1400		
High Speed (H) 12Pa/30Pa/50Pa		1190	1360	1700	2040	2380		
Nominal Airflow (m³/h)	Medium Speed (M) 7Pa/17Pa/28Pa	930/980/950	1130/1120/1150	1310/1340/1320	1600/1570/1670	1880/1790/2000		
	Low Speed (L) 3Pa/8Pa/13Pa	650/680/680	830/840/840	940/990/940	1170/1110/1170	1310/1280/1460		
	Total Cooling Capacity 3 Raws Cooling(W) 12Pa/30Pa/50Pa	6830/6720/6540	8080/7840/7880	9000/9000/9000	10880/10800/10800	12600/12600/12600		
	Sensible Cooling Capacity 3 Raws Cooling(W) 12Pa/30Pa/50Pa	4910/4810/4690	5830/5530/5690	6720/6720/6720	8340/8310/8310	9240/9240/9240		
	Heating Capacity - 1 Row Heating(W) Water inlet Temperature 60 C 12Pa/30Pa/50Pa	5920/5920/5900	7420/7400/7420	8190/8170/8170	10030/10030/10010	11420/11400/11400		
	Heating Capacity - 1 Row Heating(W) Water inlet Temperature 45 C 12Pa/30Pa/50Pa	3720/3720/3690	4750/4730/4750	5340/5320/5320	6400/6400/6380	7300/7280/7280		
∆t=5°C Working	Water Flow Rate 3 Raws Cooling (LPM) 12Pa/30Pa/50Pa	19.6/19.3/18.5	23.2/22.5/22.6 25.8/25.8 31.2/31.0/31.0		31.2/31.0/31.0	36.1/36.1/36.1		
(3 rows)	Water Flow Rate - 1 Row Heating (LPM) Water inlet Temperature 60 C 12Pa/30Pa/50Pa	8.5/8.5/8.5	10.6/10.6/10.6	6 11.7/11.7/11.7 14.4/14.3		16.4/16.3/16.3		
	Water Flow Rate - 1 Row Heating (LPM) Water inlet Temperature 45 C 12Pa/30Pa/50Pa	10.7/10.7/10.6	13.6/13.6/13.6	15.3/15.2/15.2	18.3/18.3/18.3	20.9/20.9/20.9		
	Water Pressure Drop 3 Raws Cooling(kPa) 12Pa/30Pa/50Pa	30/30/30	29/28/28	40/40/40 40/40/40		50/50/50		
	Heating Water Pressure Drop - 1 Row Heating(kPa) Water inlet Temperature 60 C 12Pa/30Pa/50Pa	15/15/15	29/29/29	34/34/34	30/30/30	36/36/36		
	Heating Water Pressure Drop - 1 Row Heating(kPa) Water inlet Temperature 45 C 12Pa/30Pa/50Pa	25/25/25	40/40/40	40/40/40	40/40/40	50/50/50		
High Speed Power Input(W) 12Pa/30Pa/50Pa		112/121/131	129/138/163	147/169/196	183/206/227	221/245/279		
Medium Speed Power Input(W) 7Pa/17Pa/28Pa		90/110/120	119/127/154	128/158/184	167/193/217	197/226/253		
Low Speed Power Input(W) 3Pa/8Pa/13Pa		73/91/100	101/110/130	109/138/166	142/171/193	165/200/227		
High Speed Noise Level dB(A) 12Pa/30Pa/50Pa		45.5/45.5/46.5	45/44.5/46.5	47/47/49	49/49/51	51/50/51		
Medium Speed Noise Level dB(A) 7Pa/17Pa/28Pa		40/39.5/41.5	41/40.5/42.5	41/41/45	44/45/46	47/46/47		
Low Speed Noise Level dB(A) 3Pa/8Pa/13Pa		32/31/33	32/31/33	33/32.5/37	35/35/39	36/36/39		
Energy Efficiency Ratio (FCEER)(W/W) 12Pa/30Pa/50Pa		55/50/45	56/52/45	53/47/41	52/46/42	48/44/39		
Coefficient Of Performance (FCCOP)(W/W) Water Inlet Temperature 60 C 12Pa/30Pa/50Pa		52/48/44	55/51/44	53/46/40	52/47/42	49/44/39		
Coefficient Of Performance (FCCOP)(W/W) Water Inlet Temperature 45 C		32/29/27	34/32/27	33/29/25	32/29/26	30/27/24		
	Coil Type	High quality copper tubes and hydrophilic aluminum fins						
	Inlet/outlet Connection Size	DN20 Female thread (RC 3/4")						
Coil	Drain Connection Size	DN20 Male thread (RC 3/4")						
	Working Water Pressure	1.6 Mpa						
_	Fan Type	Double inlet, forward curved centrifugal fan						
Fan	Qty.	2 3 4						
Motor	Motor Type	3-speed capacitor motors						
	Bearing Type	Permanently lubricated bearing						
	Power Supply	220V/1P/50Hz						
	Qty.	1 2						
Net Weiaht	Without Return Air Box	19.0	25.0	29.0	32.0	33.0		
(kg)	With Return Air Box	25.0	31.5	36.0	39.5	41.0		

Remarks:

1.Cooling condition: Air inlet temp. 27 CDB/19.5 CWB, Water inlet temp.7 C, Water temperature difference 5 C.

2.Heating condition: Air inlet temperature 21 CDB, Water inlet temp. 60 C and Water temperature difference 10 C; Water inlet temp. 45 C and water temperature difference 5 C.

3.Noise level standard: GB/T 19232-2019.

4.LPM: L/Mins, 1LPM=0.06m³/h

Dimension Drawing



Inst	allation	in '	factor	ry Installation on site
Terminal			Single Switch	
Black	+	4	ϕ	IL Speed P P
Blue	$\left \right $	3	+	M Speed
Motor Red	$\left \right $	2	ϕ	H Speed
Yellow	$\left \right $	1	ϕ	Neutral Line
	-			
G	round C	onn	ectior	Ground Connection

Model	А	В	B1	С
200	760	518	528	480
300	860	618	628	580
400	960	718	728	680
500	1060	818	828	780
600	1160	918	928	880
700	1260	1018	1028	980
800	1460	1218	1228	1180
1000	1560	1318	1328	1280
1200	1860	1558	1568	1520
1400	1960	1678	1688	1640

Installation, operation and maintenance

Installation

On arrival, inspect the surface of the unit, ensuring it without any abrasion. And avoid any damage from the crash between the rotary components. It's very important to prevent any varies entering the fan wheels, motors and coils during installation. Drain pipe should be mounted 3-5 mm lower than the opposite side assuring the condensate removal.

Air Duct Connection

The coil fins should be protected by filter installed at the airflow inlet that will achieve better heat transfer performance.

Water Pipe Connection

The inlet and outlet water should be connected with flexible connectors to reduce vibration and the torque should be smaller than 2.5 kg·m during installation. The direction of the water flow should be down in and up out. And all pipes should be well insulated. Thread connection insulation material is PTFE belt. The drain pipe should maintain sufficient slope and should not be flattened or bent to ensure smooth drainage.

Wiring Diagram

Units should be grounded. All electrical wires exposing to the air should be well bonded to terminals before attach to unit. It necessary to insure the mark of the terminal same as the electric wire color when installing the 3-speed thermostat.

Start-up Procedure

After installation, the following items must be checked. It is recommended to clean all varies inside the drain pan, fan casing and other equipments, and inspect all field connection of pipes and wires. The 3-speed thermostat should operate with the high speed at first, and then could change the speed.

Operation

The lowest inlet water temperatures of cooling mode is 5° C and highest inlet water temperature of heating mode is 65° C, it is required water quality cleaning and softening. And it's necessary to open the manual ventage valve regularly to release the air in the pipe.

Maintenance

Fan coils and filters should be cleaned regularly by blowing with compressed air in opposite direction of airflow. Clean water should be charged in the coils to reduce the rust while the unit stops working. And in winter, coil should be protected from the damage of freeze.

- Please follow the relevant national specifications for construction, and refer to the installation, operation and maintenance instruction manual.
- Standard: GB/T19232-2019 <Fan coil unit>

Global Headquarter

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