



District cooling FCU

Specification

Model APFCTD-				200	300	400	500	600	800	
Air flow	H/M/L	m ³ /h		340/290/200	510/430/310	680/580/410	850/720/510	1020/870/610	1360/1160/820	
	H/M/L	CFM		200/170/120	300/250/180	400/340/240	500/420/300	600/510/360	800/680/480	
External Static pressure			Pa	30	30	30	30	30	30	
Cooling	Capacity	H/M/L	kW	2/1.78/1.17	2.9/2.39/1.71	3.2/2.84/1.89	3.7/3.01/2.08	5.1/4.1/2.99	7.1/5.7/4.33	
	Water flow rate	H	l/h	205	297	328	379	522	727	
	Water pressure drop	H	kPa	3.9	5.6	6.2	7.2	9.9	13.8	
Heating	Capacity	H/M/L	kW	3/2.64/2.22	4.35/3.78/3.26	4.8/4.13/3.6	5.55/4.88/4.22	7.65/6.58/5.66	10.65/9.37/7.99	
	Water pressure drop	H	kPa	2	3.9	4.8	6	8.1	10.5	
Power supply			V/ph/Hz	220-240/1/50						
Power input		H	W	45	62	72	92	112	145	
Sound pressure level			H/M/L	dB(A)	36/33/27	38/32/28	40/34/30	42/36/31	44/39/32	45/41/32
Fan motor	Type			Low noise 4-speed fan motor						
	Quantity			1	1	1	1	1	2	
Fan	Type			Centrifugal, forward-curved Blades						
	Quantity			1	2	2	2	2	4	
Coil	Row			3						
	Max. Working pressure		MPa	1.6						
	Diameter		mm	Φ9.52						
Body	Dimensions	W×H×D	mm	741×241×522	841×241×522	941×241×522	941×241×522	1161×241×522	1461×241×522	
	Packing	W×H×D	mm	790×260×550	890×260×550	990×260×550	990×260×550	1210×260×550	1510×260×550	
	Net weight		kg	14.6	17	20.2	20.2	23	31.9	
	Gross weight		kg	16.9	19.5	22.6	22.6	26	35.5	
Pipe connection	Water inlet/outlet pipe		Inch	RC3/4						
	Drain pipe		mm	ODΦ24						

Model APFCTD-				1000	1200	1400*	1500*	2000*	
Air flow	H/M/L	m ³ /h		1700/1440/1020	2040/1730/1220	2380/1785/1190	2550/2100/1300	3400/2550/1700	
	H/M/L	CFM		1000/850/600	1200/1020/720	1400/1050/700	1500/1240/760	2000/1500/1000	
External Static pressure			Pa	30	30	30	30	30	
Cooling	Capacity	H/M/L	kW	7.5/6.38/4.5	9.6/8.42/4.8	10.8/9.1/8.2	11.25/9.6/8.4	15/12.3/11.3	
	Water flow rate	H	l/h	768	983	1106	1152	1536	
	Water pressure drop	H	kPa	14.6	18.7	20.3	23.5	28.7	
Heating	Capacity	H/M/L	kW	11.25/10.01/8.44	14.4/12.96/10.94	15/12.7/11.25	16.3/13.8/12.2	20.2/17.2/15.1	
	Water pressure drop	H	kPa	12.4	16.2	18.6	21.1	26.5	
Power supply			V/ph/Hz	220-240/1/50					
Power input		H	W	170	220	225	236	360	
Sound pressure level			H/M/L	dB(A)	46/40/32	47/41/32	47/42/33	48/43/35	50/46/40
Fan motor	Type			Low noise 4-speed fan motor					
	Quantity			2	2	2	1	1	
Fan	Type			Centrifugal, forward-curved Blades					
	Quantity			4	4	4	2	3	
Coil	Row			3	3	3	4	3	
	Max. Working pressure		MPa	1.6					
	Diameter		mm	Φ9.52					
Body	Dimensions	W×H×D	mm	1566×241×522	1856×241×522	2022×241×522	1369×342×612	1500×342×612	
	Packing	W×H×D	mm	1615×260×550	1905×260×550	2070×260×550	1421×381×619	1552×381×619	
	Net weight		kg	34.4	39.5	43.1	46	57	
	Gross weight		kg	38.1	43	48.4	49.8	61	
Pipe connection	Water inlet/outlet pipe		Inch	RC3/4					
	Drain pipe		mm	ODΦ24					

Note:

1. H: high fan speed; M: medium fan speed; L: low fan speed.
2. The data is the performance in relevant external static pressure.
3. Cooling conditions: entering water 7.2℃, temperature rise 8.4℃, entering air temperature 26.7℃DB/19.4℃WB.
Heating conditions: entering water 60℃, entering air temperature 21.1℃DB/15.6℃WB, the same water flow as the cooling conditions.
4. The noise is tested in the semi-anechoic test room.
5. *APFCDT-1400,APFCDT-1500,APFCDT-2000 units need to customize.