



## 3-Row Duct Specification

Model APFCD-				200S12 200S30 200ES30	300S12 300S30 300ES30	400S12 400S30 400ES30	500S12 500S30 500ES30	600S12 600S30 600ES30
Air flow	H/M/L	m <sup>3</sup> /h		340/255/170	510/385/255	680/510/340	850/640/425	1020/765/510
	H/M/L	CFM		200/150/100	300/225/150	400/300/200	500/375/250	600/450/300
External Static pressure			Pa	S12 models: 12; S30 models: 30				
Cooling	Capacity	H/M/L	kW	2.2/1.9/1.68	3.1/2.7/2.3	4/3.4/2.95	4.6/3.96/3.45	5.8/4.88/4.45
	Water flow rate	H	l/h	378	533	688	791	998
	Water pressure drop	H	kPa	14	26	18	24	36
Heating	Capacity	H/M/L	kW	3.5/3.08/2.59	5.3/4.61/3.98	6.8/5.85/5.1	7.9/6.95/6	9.8/8.6/7.4
	Water pressure drop	H	kPa	10.5	21.8	16.9	22.3	31.6
Power supply			V/ph/Hz	220-240/1/50				
Power input	12Pa	H	W	33	53	66	87	100
	30Pa	H	W	49	64	75	93	114
Electric heater capacity			E	W	550	650	1100	1600
Sound pressure level	12Pa	H/M/L	dB(A)	35/32/26	36/33/27	37/34/28	40/36/30	42/38/32
	30Pa	H/M/L	dB(A)	41/37/31	42/38/32	43/39/33	44/40/34	45/41/35
Fan motor	Type	Low noise 4-speed fan motor						
	Quantity			1	1	1	1	1
Fan	Type	Centrifugal, forward-curved Blades						
	Quantity			1	2	2	2	2
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
	Packing	W×H×D	mm	790×260×550	890×260×550	990×260×550	990×260×550	1210×260×550
	Net weight	*E	kg	14.6/16.1	17/18.5	20.2/21.7	20.2/21.7	23/25
	Gross weight	*E	kg	16.9/18.4	19.5/21	22.6/24.1	22.6/24.1	26/28
Pipe connection	Water inlet/outlet pipe		Inch	RC3/4				
	Drain pipe		mm	ODΦ24				

Model APFCD-				800S12 800S30 800ES30	1000S12 1000S30 1000ES30	1200S12 1200S30 1200ES30	1400S12 1400S30 1400ES30
Air flow	H/M/L	m <sup>3</sup> /h		1360/1020/680	1700/1275/850	2040/1530/1020	2380/1785/1190
	H/M/L	CFM		800/600/400	1000/750/500	1200/900/600	1400/1050/700
External Static pressure			Pa	S12 models: 12; S30 models: 30			
Cooling	Capacity	H/M/L	kW	8.2/6.88/6.25	9/7.8/6.57	11/9.8/8.35	12.5/10.8/9.44
	Water flow rate	H	l/h	1410	1548	1892	2150
	Water pressure drop	H	kPa	39	32	39	45
Heating	Capacity	H/M/L	kW	13.6/11.97/10.2	16/14.24/12	20.1/18.27/15.43	21/18.7/15.75
	Water pressure drop	H	kPa	33.8	30.7	34.6	40.1
Power supply			V/ph/Hz	220-240/1/50			
Power input	12Pa	H	W	145	180	210	222
	30Pa	H	W	154	180	220	278
Electric heater capacity			E	W	2200	2200	3200
Sound pressure level	12Pa	H/M/L	dB(A)	43/39/33	45/41/35	46/42/36	48/44/38
	30Pa	H/M/L	dB(A)	46/42/36	47/43/37	48/44/38	49/45/39
Fan motor	Type	Low noise 4-speed fan motor					
	Quantity			2	2	2	2
Fan	Type	Centrifugal, forward-curved Blades					
	Quantity			4	4	4	4
Coil	Row	3					
	Max. Working pressure		MPa	1.6			
	Diameter		mm	Φ9.52			
Body	Dimensions	W×H×D	mm	1461×241×522	1566×241×522	1856×241×522	2022×241×522
	Packing	W×H×D	mm	1510×260×550	1615×260×550	1905×260×550	2070×260×550
	Net weight	*E	kg	31.9/34.4	34.4/37.4	39.5/43	43.1/47.1
	Gross weight	*E	kg	35.5/38	38.1/41.1	43/46.5	48.4/52.4
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°C, temperature rise 5°C, entering air temperature 27°C DB/19°C WB.  
Heating conditions: entering water 50°C, entering air temperature 20°C DB, the same water flow as the cooling conditions.
4. The noise is tested in the semi-anechoic test room.
5. \* for models without electric heater, E for models with electric heater.