



High static pressure duct Specification

Model APFCDH-				800S70 800ES70	1000S70 1000ES70	1200S70 1200ES70	1400S70 1400ES70
Air flow	H/M/L	m ³ /h		1360/1220/1090	1700/1530/1380	2040/1880/1610	2380/2120/1860
	H/M/L	CFM		800/720/640	1000/900/810	1200/1105/950	1400/1250/1095
External Static pressure			Pa	70	70	70	70
Cooling	Capacity	H/M/L	kW	6.6/6.37/6.12	8.8/8.19/7.57	10/9.44/8.53	12/11.47/10.24
	Water flow rate	H	l/h	1135	1514	1720	2064
	Water pressure drop	H	kPa	8	24	24	36
Heating	Capacity	H/M/L	kW	9.7/8.54/7.18	13.2/11.48/9.9	15/12.9/11.25	17.9/15.75/13.6
	Water pressure drop	H	kPa	8.4	25	23.4	34.2
Power supply			V/ph/Hz	220-240/1/50			
Power input		H	W	350	350	350	350
Electric heater capacity ('E)			W	5000	5000	5000	5000
Sound pressure level		H/M/L	dB(A)	49/42/35	50/43/36	51/44/37	52/45/38
Fan motor	Type	Low noise 4-speed fan motor					
	Quantity	1					
Fan	Type	Centrifugal, forward-curved Blades					
	Quantity	1	1	1	1		
Coil	Row	2	3	3	4		
	Max. Working pressure		MPa	1.6			
	Diameter		mm	Φ9.52			
Body	Dimensions (*E)		W×H×D	946×400×816 / 946×400×876			
	Packing (*E)		W×H×D	1015×480×857 / 1015×480×925			
	Net weight	*E	kg	50/53	52/55	52/55	54/57
	Gross weight	*E	kg	55/58	57/60	57/60	59/62
Pipe connection	Water inlet/outlet pipe		Inch	RC3/4			
	Drain pipe		mm	ODΦ32			

Model APFCDH-				1600S100 1600ES100	1800S100 1800ES100	2200S100 2200ES100
Air flow	H/M/L	m ³ /h		2720/2450/2170	3060/2750/2450	3740/3360/2990
	H/M/L	CFM		1600/1440/1280	1800/1620/1440	2200/1980/1760
External Static pressure			Pa	100	100	100
Cooling	Capacity	H/M/L	kW	14.1/13.03/11.87	15.8/14.6/13.46	19.9/18.58/17.24
	Water flow rate	H	l/h	2425	2718	3423
	Water pressure drop	H	kPa	52	90	130
Heating	Capacity	H/M/L	kW	21.2/18.23/15.69	23.8/20.94/17.85	30/26.7/22.5
	Water pressure drop	H	kPa	51	85	121
Power supply			V/ph/Hz	220-240/1/50		
Power input		H	W	550	800	950
Electric heater capacity ('E)			W	9500	9500	9500
Sound pressure level		H/M/L	dB(A)	54/47/40	60/53/46	61/54/47
Fan motor	Type	Low noise 4-speed fan motor				
	Quantity	1				
Fan	Type	Centrifugal, forward-curved Blades				
	Quantity	2	2	2		
Coil	Row	3	3	3		
	Max. Working pressure		MPa	1.6		
	Diameter		mm	Φ9.52		
Body	Dimensions (*E)		W×H×D	1290×400×809 / 1290×400×874		
	Packing (*E)		W×H×D	1368×460×877 / 1368×460×950		
	Net weight	*E	kg	76/82		
	Gross weight	*E	kg	83/89		
Pipe connection	Water inlet/outlet pipe		Inch	RC3/4		
	Drain pipe		mm	ODΦ32		

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.