

ColdAIR

TECHNICAL CHARACTERISTICS

C-SERIES AND H-SERIES EQUIPPED WITH ANTI-POLLUTION COOLING PADS											
		WALL INSTALLATION					ROOF / WALL INSTALLATION				
Model		FPA109	FPA159	TA209-2SD	FPA109/60HZ	TA209-2SD/60HZ	TA159	TA209	TA309	TA109/60HZ	TA209/60HZ
Air flow	m ³ /h	10.000	13.000	20.000	10.000	20.000	13.000	20.000	27.000	13.000	20.000
		7.500	9.700	15.000	7.500	15.000	9.700	15.000	19.000	9.700	15.000
		5.000	6.500	10.000	5.000	10.000	6.500	10.000	13.500	6.500	10.000
Cooling capacity	KW	24	32	49	24	49	32	49	66	32	49
Fan type / number		axial / 1	axial / 1	axial / 2	axial / 1	axial / 2	axial / 1	axial / 2	axial / 2	axial / 1	axial / 2
Power supply	V/Ph/Hz	230V /1/ 50	230V /1/ 50	230V /1/ 50	230V /1/ 60	230V /1/ 60	230V /1/ 50	230V /1/ 50	230V /1/ 50	230V /1/ 60	230V /1/ 60
Absorbed current	A	3,7	4,8	7,0	3,7	7,0	4,8	7,0	9,3	4,8	7,0
Power consumption	KW	0,9	1,2	1,8	0,9	1,8	1,2	1,8	2,2	1,2	1,8
Water consumption ⁽¹⁾	lt/h	34	39	66	34	66	43	64	75	43	64
Dimensions WxDxH	mm	1300x670x1300	1300x670x1300	1610x1150x1335	1300x670x1300	1610x1150x1335	1150x1150x1050	1610x1150x1050	1610x1150x1335	1150x1150x1050	1610x1150x1050
Water inlet Diam.	inch	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8
Drain hose Diam.	mm	60	60	60	60	60	60	60	60	60	60
Air duct dimensions	mm	600x600	600x600	1185x590	600x600	1185x590	600x600	1185x590	1185x590	600x600	1185x590
Air duct length max		5 m + 1 elbow	5 m + 1 elbow	5 m + 1 elbow	5 m + 1 elbow	5 m + 1 elbow	5 m + 1 elbow	5 m + 1 elbow	5 m + 1 elbow	5 m + 1 elbow	5 m + 1 elbow
Weight (empty/full)	Kg	60 / 75	63 / 78	150 / 180	60 / 75	150 / 180	67 / 88	120 / 146	135 / 163	67 / 88	120 / 146
Ingress Protection rating	IP	IP 55	IP 55	IP 55	IP 55	IP 55	IP 55	IP 55	IP 55	IP 55	IP 55
Sound pressure level ⁽²⁾ min/max	db(A)	49 / 65	50 / 66	53 / 68	49 / 65	53 / 68	50 / 66	53 / 68	54 / 73	50 / 66	53 / 68

Evaporative pads											
Thickness	mm	100	100	100	100	100	100	100	100	100	100
Surface area	sq.m.	2,0	2,0	3,1	2,0	3,1	2,7	3,4	4,4	2,7	3,4
Saturation efficiency ⁽³⁾	%	88	88	88	88	88	88	88	88	88	88

(1) TA/FPA models: max - TC models: average

(2) Free space - 4m distance

(3) Test conditions: - Ext. Temp: 33°C / Ext. R.H. 60%

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TECHNICAL CHARACTERISTICS

		F-SERIES EQUIPPED WITH AIR FILTRATION SECTIONS				HP-SERIES HIGH-PREVALENCE UNITS H-SERIES				K-SERIES
		ROOF / WALL INSTALLATION				ROOF / WALL INSTALLATION				WALL INST
Model		TC 109 F4	TC 109 F9	TC 209 F4	TC 209 F9	TC 109	TC 109 HP	TC 209	TC 209 HP	FPK-I
Air flow	m ³ /h	10.000 6.500	10.000 6.500	20.000 12.000	20.000 12.000	10.000 6.500	10.000 3.500	20.000 10.000	20.000 6.000	5.000 ÷ 1.000 5-speed
Air filter class (EUROVENT)	EU	EU 4	EU 9	EU 4	EU 9	--	--	--	--	--
Static pressure head	Pa	--	--	--	--	80	250	80	250	--
Cooling capacity	KW	24	24	49	49	24	24	49	49	12
Fan type / number		centrifugal / 1	centrifugal / 1	centrifugal / 2	centrifugal / 2	centrifugal / 1	centrifugal / 1	centrifugal / 2	centrifugal / 2	axial / 1
Power supply	V/Ph/Hz	400/3N/50	400/3N/50	400/3N/50	400/3N/50	400/3N/50	400/3N/50	400/3N/50	400/3N/50	230V /1/ 50-60
Absorbed current	A	3,5	3,5	7,0	7,0	3,5	3,5	7,0	7,0	3
Power consumption	KW	1,6	1,6	3,2	3,2	1,6	1,6	3,2	3,2	0,45
Water consumption ⁽¹⁾	lt/h	43	43	64	64	43	43	64	64	13
Dimensions WxDxH	mm	1600x1600x1050	2100x2100x1050	2050x1600x1050	2550x2100x1050	1150x1150x1050	1150x1150x1050	1610x1150x1050	1650x1150x1050	1005x347x1070
Water inlet Diam.	inch	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/4
Drain hose Diam.	mm	63	63	63	63	60	63	60	63	22
Air duct dimensions	mm	465x395	465x395	850x470	850x470	465x395	465x395	850x470	850x470	N/A
Air duct length max	m	refer to perform. curve	refer to perform. curve	refer to perform. curve	refer to perform. curve	refer to perform. curve	refer to perform. curve	refer to perform. curve	refer to perform. curve	N/A
Weight (empty/full)	Kg	180 / 210	210 / 240	270 / 300	310 / 340	110 / 130	110 / 130	200 / 220	200 / 220	55 / 75
Ingress Protection rating	IP	IP 55	IP 55	IP 55	IP 55	IP 55	IP 55	IP 55	IP 55	IP 44 / 31
Sound pressure level ⁽²⁾ min/max	db(A)	53 / 65	52 / 64	55 / 70	54 / 69	54 / 66	56 / 69	56 / 71	59 / 73	-- / 72
Evaporative pads										
Thickness	mm	100	100	100	100	100	100	100	100	100
Surface area	sq.m.	2,0	2,0	2,7	2,7	2,7	2,7	3,4	3,4	0,7
Saturation efficiency ⁽³⁾	%	88	88	88	88	88	88	88	88	88

(1) TA/FPA models: max - TC models: average

(2) Free space - 4m distance

(3) Test conditions: - Ext. Temp: 33°C / Ext. R.H. 60%