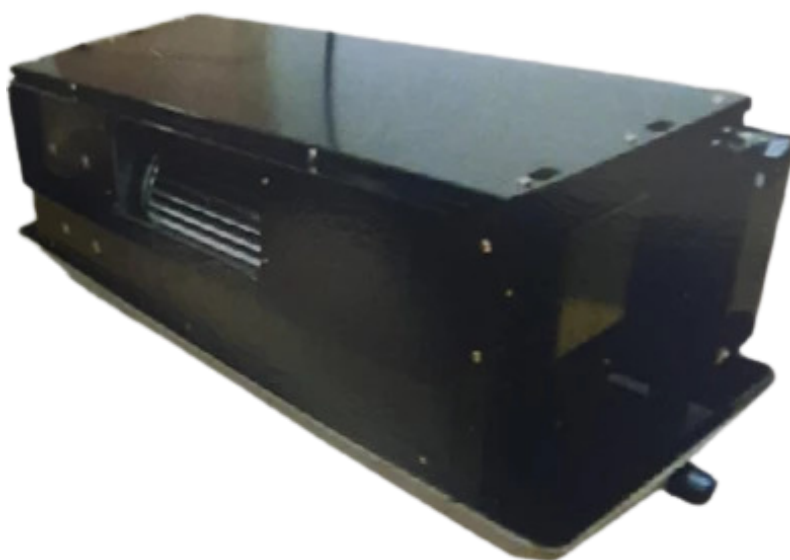


BROCHURE

Fan Coil Unit

ThermalTrue®
HVAC & R

Chilled Water Series FCU200_1200CW





 NOMENCLATURE

FCU	200, 300, 400, 500, 600, 800, 1000, 1200, 1400	CW3	SA/HA/CA	PSC/HMF/ECF
Series	Capacity in CFM	Chilled Water 3 Row	SA : Std Ambient 35°C HA : High Ambient 45°C CA : Corrosive Ambient	PSC : Permanent Squirrel Cage Motor HMF : BLDC Motor ECF : EC Fan

SPECIFICATION

FAN COIL UNIT: CW SERIES			200CW	300CW	400CW	500CW	600CW
GENERAL DATA							
CAPACITY	Total Capacity	W	2.578	3.667	4.910	5.843	6.774
		Btu/h	8.796	12.512	16.752	19.937	23.112
	Sensible Capacity	W	1.729	2.431	3.297	3.910	4.520
		Btu/h	5.900	8.293	11.250	13.342	15.421
	SHR			0,67	0,66	0,67	0,67
AIR FLOW	High	CMH	389	530	759	900	1.040
		CFM	229	312	447	530	612
	Medium	CMH	260	370	489	635	780
		CFM	153	218	288	374	459
	Low	CMH	190	240	340	420	499
		CFM	112	141	200	247	294
EXTERNAL STATIC PRESSURE		Pa	0, 30, 60				
		inWG	0.00, 0.12, 0.24, 0.32				
WATER FLOW		CMH	0,44	0,63	0,84	1,00	1,16
		USGpm	1,99	2,84	3,79	4,52	5,23
WATER PRESSURE DROP		kPa	14,5	18,1	19,8	21,7	23,3
		inWG	58,0	72,4	79,2	86,8	93,2
CASING	Panel		GI w/o Painting				
	Insulation		10mm PE				
DIMENSION	Height	mm	255	255	255	255	255
	Width	mm	507	677	807	907	1007
	Depth	mm	370	370	370	370	370
UNIT WEIGHT		kG	110	114	119	121	124
		lb	243	251	262	267	273
CONNECTION	Water Inlet/Outlet	in	3/4				
	Drain Pipe Size	in	3/4				
COIL SPECIFICATION							
COIL	Type		Aluminium fin mechanically bonded to seamless copper tube				
	Face Area	m2	0,09	0,13	0,15	0,17	0,19
	Entering (DB/WB)	°C/°C	27.0 / 19.5				
	Leaving (DB/WB)	°C/°C	13.7/12.4	13.2/12.0	14.0/12.6	14.0/12.6	14.0/12.5
	Water In/Out	°C/°C	7.0 / 12.0				
	Face Velocity	m/s	1,20	1,13	1,41	1,46	1,52
	ΔP	Pa	23	21	30	32	35
FAN & MOTOR SPECIFICATION							
BLOWER	Type		Forward Curve Centrifugal Drive Driven				
	Size		160mm OD x 200mmL				
	Quantity	set	1	1	2	2	2
POWER SUPPLY		V-Ø-Hz	220-240V/1Ø/50Hz				
MOTOR (0 Pa)	7W : YDK7-6B4		1				
	10W : YDK10-6B4			1			
	16W : YSK16-6B4				1	1	
	25W : YSK25-6B4						1
MOTOR (30 Pa)	10W : YDK10-4B4		1				
	16W : YDK16-4B4			1			
	20W : YSK20-4B4				1	1	
	33W : YSK33-4B4						1
MOTOR (60 Pa)	22W : YD22-4B4		1				
	32W : YDK32-4B4			1			
	35W : YSK35-4B4				1	1	
	75W : YSK75-4B4						1
AIR FILTER	PFS462W205H008T-W1S71.1		1				
	PFS632W205H008T-W1S71.1			2			
	PFS381W205H008T-W1S71.1				2		
	PFS431W205H008T-W1S71.1					2	
	PFS481W205H008T-W1S71.1						2
	PFS606W205H008T-W1S71.1						
	PFS464W205H008T-W1S71.1						
	PFS524W205H008T-W1S71.1						

FAN COIL UNIT: CW SERIES			800CW	1000CW	1200CW	1400CW
GENERAL DATA						
CAPACITY	Total Capacity	W	9.282	9.815	12.618	14.971
		Btu/h	31.670	33.489	43.052	51.081
	Sensible Capacity	W	6.161	6.674	8.505	10.033
		Btu/h	21.021	22.771	29.019	34.231
	SHR		0,66	0,68	0,67	0,67
AIR FLOW	High	CMH	1.419	1.619	2.039	2.378
		CFM	835	953	1.200	1.400
	Medium	CMH	1.089	1.140	1.498	1.748
		CFM	641	671	882	1.029
	Low	CMH	739	829	1.019	1.189
		CFM	435	488	600	700
EXTERNAL STATIC PRESSURE		Pa	0, 30, 60			
		inWG	0.00, 0.12, 0.24, 0.32			
WATER FLOW		CMH	1,60	1,69	2,17	2,57
		USGpm	7,18	7,58	9,76	11,57
WATER PRESSURE DROP		kPa	27,6	29,3	34,5	34,5
		inWG	110,4	117,2	138,0	138,0
CASING	Panel		GI w/o Painting			
	Insulation		10mm PE			
DIMENSION	Height	mm	255	255	255	255
	Width	mm	1257	1357	1617	1878
	Depth	mm	370	370	370	370
UNIT WEIGHT		kG	135	140	148	161
		lb	298	309	326	355
CONNECTION	Water Inlet/Outlet	in	3/4			
	Drain Pipe Size	in	3/4			
COIL SPECIFICATION						
COIL	Type		Aluminium fin mechanically bonded to seamless copper tube			
	Face Area	m2	0,24	0,26	0,32	0,37
	Entering (DB/WB)	°C/°C	27.0 / 19.5			
	Leaving (DB/WB)	°C/°C	14.0/12.5	14.6/13.1	14.5/12.9	14.3/12.8
	Water In/Out	°C/°C	7.0 / 12.0			
	Face Velocity	m/s	1,64	1,73	1,77	1,77
	ΔP	Pa	40	43	45	45
FAN & MOTOR SPECIFICATION						
BLOWER	Type		Forward Curve Centrifugal Drive Driven			
	Size		160mm OD x 200mmL			
	Quantity	set	3	3	4	5
POWER SUPPLY		V-Ø-Hz	220-240V/1Ø/50Hz			
MOTOR (0 Pa)	7W : YDK7-6B4		1			1
	10W : YDK10-6B4			1		
	16W : YSK16-6B4					
	25W : YSK25-6B4		1	1	2	2
MOTOR (30 Pa)	10W : YDK10-4B4		1			1
	16W : YDK16-4B4			1		
	20W : YSK20-4B4					
	33W : YSK33-4B4		1	1	2	2
MOTOR (60 Pa)	22W : YD22-4B4		1			1
	32W : YDK32-4B4			1		
	35W : YSK35-4B4					
	75W : YSK75-4B4		1	1	2	2
AIR FILTER	PFS462W205H008T-W1S71.1					
	PFS632W205H008T-W1S71.1					
	PFS381W205H008T-W1S71.1					
	PFS431W205H008T-W1S71.1					
	PFS481W205H008T-W1S71.1					
	PFS606W205H008T-W1S71.1		2			
	PFS464W205H008T-W1S71.1			3		
	PFS524W205H008T-W1S71.1				3	3



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