

AHRI

**SUPER SLIM UNIVERSAL
CONSOLE FAN COIL RANGE
TECHNICAL CATALOGUE**



MDL
SOLUTIONS

HVAC Solutions

YOUR SATISFACTION, OUR OBJECTIVE

Super slim console FCU–2-pipe EC version

				01	02	03	04	05			
Unit Configuration				PFWSL-[Size]-V-ECM							
				Configuration		2-pipe					
				Number Of Fan Blowers		1			2		
				Power Supply (V/Ph/Hz)		115/1/60 ⁽¹⁾					
Operation Control				S: Complete function onboard PCB W: Flexible function onboard PCB							
Performance Data	Air	Air Flow	H	CFM	118	188	271	339	381		
			M		94	148	216	267	291		
			L		58	91	146	218	251		
	Cooling	Total Cooling Capacity	H	BTU/Hr	3310	5800	8326	10305	11977		
			M		2798	4709	6893	8530	9656		
			L		1945	3173	5118	7268	8599		
		Sensible Cooling Capacity	H		2457	4095	5903	7370	8496		
			M		2047	3344	4879	6074	6824		
			L		1399	2252	3583	5152	6039		
		FCEER ⁽²⁾	Rating		133.2	165.1	164	226.3	228		
			Class		B	B	B	A	A		
	Heating	Heating Capacity	H	BTU/Hr	4197	6893	9998	12488	14331		
			M		3515	5698	8292	10271	11499		
			L		2388	3822	6005	8701	10168		
		Max. Electric Heater Capacity		kW		0.75	1.0		1.5	2.0	
		FCCOP ⁽²⁾	Rating		165.1	201.9	201.6	279	279		
			Class		B	B	B	A	A		
	Noise	Sound Power Level		dB(A)	42/35/33	44/41/35	47/43/37	47/44/38	50/46/40		
		Sound Pressure Level			33/26/24	35/32/26	38/34/28	38/35/29	41/37/31		
	Electrical	Fan Motor Power	H	Watts	12	14	24	18	24		
			M		8	10	15	13	15		
			L		5	6	9	8	9		
		Fan Motor Running Current @ 115V H		Amps		0.21	0.24	0.42	0.31	0.42	
	Fan Motor Running Current @ 230V H		Amps		0.11	0.13	0.22	0.16	0.22		
Hydronic	Cooling Water Flow Rate	H	GPM	0.74	1.25	1.84	2.29	2.65			
		M		0.62	1.04	1.53	1.89	1.26			
		L		0.43	0.70	1.13	1.61	1.90			
	Cooling Pressure Drop	H	Ft. Hd.	1.0	3.3	7.8	4.5	6.7			
		M		0.5	2.4	5.6	3.2	4.6			
		L		0.3	1.2	3.4	2.4	3.8			
	Hot Water Flow Rate @H/M/L		GPM		Same As Cooling Water Flow Rate						
	Hot Water Pressure Drop	H	Ft. Hd.	0.8	2.6	6.4	3.6	5.5			
		M		0.6	1.9	4.4	2.6	3.7			
L		0.3		1.0	2.7	2.0	3.0				
Water Content		Gallons		0.11	0.19	0.27	0.34	0.42			
Construction and Packing Data				Water Connection		Threaded Female NPT					
				Condensate Drainage Connection	In	Inches	3/4				
					Out						
				Dimensions ⁽³⁾	L	Inches	29 1/8	37	44 7/8	52 3/4	60 5/8
H	5 1/8	5 1/8	5 1/8		5 1/8		5 1/8				
W	22 13/16	22 13/16	22 13/16		22 13/16		22 13/16				

(1) 208 – 230V/1ph/60Hz specifications are available.

(2) FCEER and FCCOP are ratings per Eurovent Energy Efficiency Classes A through E for non-ducted fan coil units.

(3) All dimensions are approximate and within 1/16 of an inch of those indicated

Testing conditions:

a. Cooling mode (2-pipe):

Return air temperature: 80.6F DB/ 66.2F WB.

Inlet/ outlet water temperature: 44.6F/ 53.6F.

b. Heating mode (2-pipe):

Return air temperature: 68F

Water flow-rate: same as cooling mode.

Super slim console FCU—4-pipe EC version

				01	02	03	04	05					
Unit Configuration				PFWSL-[Size]-P-ECM		4-pipe							
				Configuration		1			2				
				Number Of Fan Blowers		115/1/60 ⁽¹⁾							
				Power Supply (V/Ph/Hz)		S: Complete function onboard PCB W: Flexible function onboard PCB							
Operation Control													
Performance Data	Air	Air Flow	H	CFM	118	188	271	339	381				
			M		94	148	216	267	291				
			L		59	91	146	218	251				
	Cooling	Total Cooling Capacity	H	BTU/Hr	3351	5630	8087	10032	11635				
			M		2812	4675	6722	8292	9383				
			L		1928	3149	4913	7029	8292				
		Sensible Cooling Capacity	H		2409	3992	5698	7131	8223				
			M		2010	3282	4743	5869	6585				
			L		1368	2200	3446	4948	5801				
		FCEER ⁽²⁾	Rating		106.2	143.9	142.5	221.5	222.9				
			Class		C	B	B	A	A				
	Heating	Heating Capacity	H	BTU/Hr	4504	7370	10646	13341	15389				
			M		3822	6176	8974	11158	12557				
			L		2668	4265	6654	9554	11226				
		FCCOP ⁽²⁾	Rating		146.5	194.0	193.6	304.9	306.5				
			Class		C	B	B	A	A				
	Noise	Sound Power Level		dB(A)	42/35/33	44/41/35	47/43/37	47/44/38	50/46/40				
		Sound Pressure Level			33/26/24	35/32/26	38/34/28	38/35/29	41/37/31				
	Electrical	Fan Motor Power	H	Watts	12	14	24	18	24				
			M		8	10	15	13	15				
			L		5	6	9	8	9				
		Fan Motor Running Current @ 115V H		Amps		0.21	0.24	0.42	0.31	0.42			
	Fan Motor Running Current @ 230V H		Amps		0.11	0.13	0.22	0.16	0.22				
	Hydronic	Cooling Water Flow Rate	H	GPM	0.74	1.25	1.79	2.22	2.58				
			M		0.62	1.03	1.49	1.84	2.08				
			L		0.43	0.70	1.09	1.56	1.84				
		Cooling Pressure Drop	H	Ft. Hd.	2.14	7.06	7.59	4.42	6.69				
			M		1.05	5.12	5.55	3.21	4.65				
L			2.14		7.06	7.59	4.42	6.69					
Hot Water Flow Rate		H	GPM	0.50	0.82	1.18	1.48	1.71					
		M		0.42	0.69	1.00	1.24	1.39					
		L		0.30	0.47	0.74	1.06	1.24					
Hot Water Pressure Drop		H	Ft. Hd.	1.20	3.85	9.27	5.45	8.23					
	M	0.90		2.81	6.86	3.98	5.75						
	L	0.50		1.47	4.08	3.04	4.72						
Water Content		Gallons		0.06	0.10	0.14	0.18	0.22					
Construction and Packing Data				Water Connection					Threaded Female NPT				
				Chilled Water	In	Inches	3/4						
					Out								
				Hot Water	In		1/2						
					Out								
				Condensate Drainage Connection				5/8					
				Dimensions ⁽³⁾	L	Inches	29 1/8	37	44 7/8	52 3/4	60 5/8		
H	5 1/8	5 1/8	5 1/8		5 1/8		5 1/8						
W	22 13/16	22 13/16	22 13/16		22 13/16		22 13/16						
Net Weight		Lbs		41.9	48.5	55.1	61.7	68.3					

(1) 208 – 230V/1ph/60Hz specifications are available.

(2) FCEER and FCCOP are ratings per Eurovent Energy Efficiency Classes A through E for non-ducted fan coil units.

(3) All dimensions are approximate and within 1/16 of an inch of those indicated

Testing conditions:

a. Cooling mode (2-pipe):

Return air temperature: 80.6F DB/ 66.2F WB.

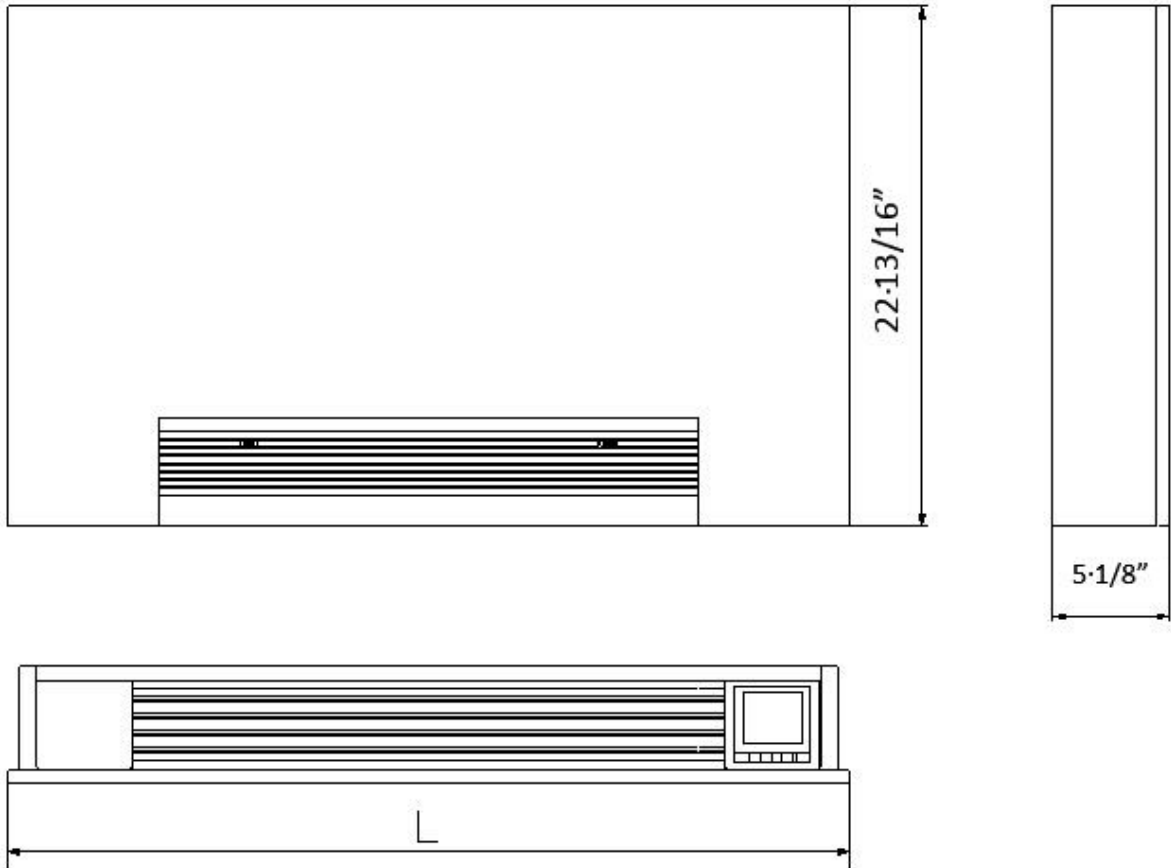
Inlet/ outlet water temperature: 44.6F/ 53.6F.

b. Heating mode (2-pipe):

Return air temperature: 68F

Water flow-rate: same as cooling mode.

Dimensions (Inches)



MODEL	PFWSL-01	PFWSL-02	PFWSL-03	PFWSL-04	PFWSL-05
L	29 1/8"	37"	44 7/8"	52 3/4"	60 5/8"

**All dimensions are approximate within 1/16 of an inch of those indicated*



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