



42VFS-W Series

Floor/Ceiling Type
12,000-65,000 BTU



42VFS-W Series



The new **42VFS-W Series**, Chilled water fan coil unit. flexible floor/ceiling type, offers concentrated high technology in an aesthetically pleasing design. Suitable for any applications; small shops, apartments, hotels, hospitals or offices.

Separate supply air blade allows air distribution to desire area flexibly.

Physical Data

Model		42VFS004W	42VFS006W	42VFS008W	42VFS012W	42VFS014W	42VFS016W	42VFS020W	
Normal Capacity	Cooling Capacity**	btu/h	14,400	20,800	26,100	39,200	43,700	54,900	68,500
	Air Flowrate	cfm	400	600	800	1,200	1,400	1,600	2,000
Power Supply	V/Ph/Hz	220 / 1 / 50							
Power input	watt.	56	100	154	192	240	253	2 x 174	
Dimension	Height	mm	630	630	630	630	630	630	
	Width	mm	720	915	1,020	1,310	1,470	1,710	
	Depth	mm	245	245	245	270	270	270	
Net Weight	kg	24	27	30	42	44	47	56	
Pipe Connection	Chilled Water Inlet Dia.	inch	1/2" (FPT)						
	Chilled Water Outlet Dia.	inch	1/2" (FPT)						
	Drain dia	inch	3/4"						

Remark : ** Cooling capacity based on : Entering Air Temp 80 Fdb / 67 Fwb, Chilled Water Inlet/outlet 44/54 F, Max air flowrate

MODEL	Entering Chilled Water Temperature F	Entering Air Temp (Fdb / Fwb)															
		76 / 63				78 / 65				80 / 67				82 / 69			
		Total Capacity	Sensible Capacity	Chilled Water Flowrate	Water Pressure Drop	Total Capacity	Sensible Capacity	Chilled Water Flowrate	Water Pressure Drop	Total Capacity	Sensible Capacity	Chilled Water Flowrate	Water Pressure Drop	Total Capacity	Sensible Capacity	Chilled Water Flowrate	Water Pressure Drop
btu/h	btu/h	gpm	ft.wg.	btu/h	btu/h	gpm	ft.wg.	btu/h	btu/h	gpm	ft.wg.	btu/h	btu/h	gpm	ft.wg.		
42VFS004W	40	13,200	10,200	2.63	10.8	15,300	10,900	3.05	13.7	17,500	11,600	3.49	17.6	19,800	12,300	3.95	21.6
	45	10,100	8,800	2.02	6.6	11,600	9,300	2.32	8.6	13,400	9,900	2.68	11.1	15,800	10,600	3.14	14.5
	50	7,400	7,300	1.47	4.0	8,500	7,900	1.70	5.1	10,000	8,400	2.00	6.5	11,600	9,000	2.32	8.6
42VFS006W	40	19,100	14,900	3.81	11.8	22,100	15,900	4.40	15.2	25,300	16,900	5.04	19.2	28,700	17,900	5.71	24.0
	45	14,600	12,800	2.91	7.3	16,800	13,600	3.34	9.4	19,400	14,400	3.88	12.1	22,700	15,400	4.52	16.0
	50	10,700	10,700	2.13	4.3	12,200	11,400	2.44	5.5	14,400	12,300	2.87	7.2	16,700	13,100	3.34	9.4
42VFS008W	40	24,100	19,100	4.79	10.8	27,800	20,300	5.54	13.9	31,900	21,500	6.35	17.7	36,200	22,800	7.20	22.0
	45	18,400	16,300	3.67	6.8	21,100	17,400	4.20	8.6	24,200	18,400	4.84	10.9	28,500	19,700	5.69	14.6
	50	13,600	13,600	2.72	4.0	15,400	14,600	3.07	4.9	18,100	15,700	3.62	6.6	21,000	16,700	4.19	8.5
42VFS012W	40	36,100	28,900	7.18	11.4	41,800	30,800	8.32	14.8	47,800	32,700	9.52	18.7	54,300	34,600	10.82	23.4
	45	27,500	24,800	5.49	7.2	31,500	26,300	6.29	9.0	36,500	28,000	7.29	11.7	42,700	29,800	8.51	15.4
	50	20,500	20,500	4.09	4.3	23,100	22,200	4.62	5.3	27,100	23,800	5.41	7.0	31,400	25,400	6.26	9.0
42VFS014W	40	40,400	32,700	8.04	10.5	46,300	34,600	9.23	13.4	53,400	36,800	10.64	17.2	60,800	39,000	12.11	21.5
	45	30,700	27,900	6.12	6.5	35,500	29,800	7.08	8.5	40,700	31,600	8.12	10.7	47,300	33,500	9.44	14.0
	50	23,000	22,900	4.58	4.0	25,800	25,100	5.16	4.9	30,100	26,800	6.02	6.3	35,200	28,700	7.03	8.4
42VFS016W	40	51,100	40,200	10.17	7.1	58,300	42,700	11.62	8.9	66,800	45,300	13.31	11.3	76,100	48,100	15.17	14.2
	45	38,200	34,200	7.63	4.3	44,100	36,300	8.80	5.5	51,600	38,800	10.29	7.2	59,500	41,200	11.86	9.2
	50	28,100	28,100	5.62	2.5	32,100	30,600	6.41	3.2	37,600	32,900	7.51	4.2	43,900	35,000	8.77	5.5
42VFS020W	40	63,600	50,100	12.67	9.7	73,000	53,300	14.54	12.4	83,200	56,400	16.58	15.6	94,800	59,900	18.88	19.6
	45	47,800	42,700	9.54	5.9	54,700	45,200	10.92	7.5	64,300	48,400	12.83	9.9	74,400	51,500	14.84	12.8
	50	35,200	35,000	7.03	3.5	40,200	38,200	8.04	4.4	47,000	40,900	9.38	5.8	54,500	43,500	10.88	7.5

Remark : Shown cooling capacity based on max air flow rate, Chilled water temp rise 10 F.

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