



42VFS-W Series

Floor/Ceiling Type

12,000-65,000 BTU/H



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 | |
|------------------|---------------------------|--------------|------------|-----------|-----------|-----------|-----------|-----------|--------|
| Nominal 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 | 1,470 | 1,710 |
| | Depth | mm | 245 | 245 | 245 | 270 | 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 | 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 |
| F | 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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