PRODUCT CATALOGUE

FVS Fan Coil Units

Low Height

Low Noise

3 Speed Motor

Attractive Price

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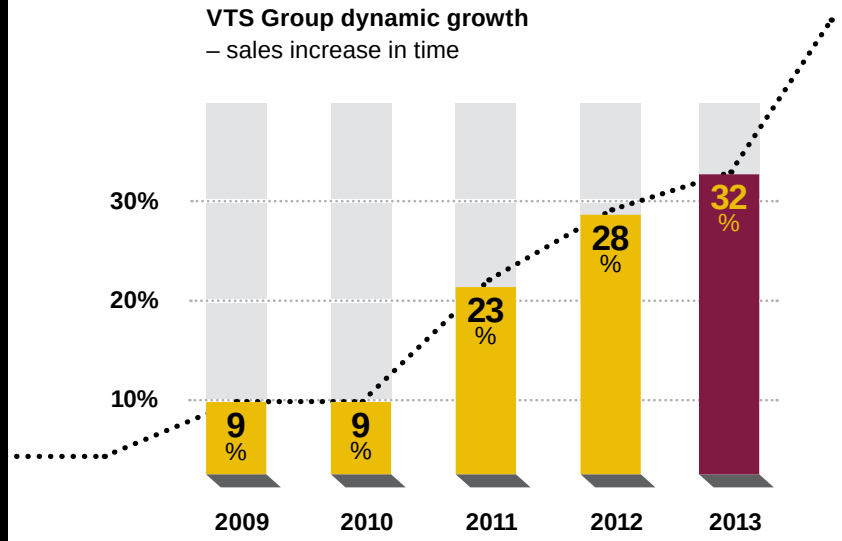
A global corporation with European origins

VTS is the No. 1 provider of air handling units in Europe and leading provider in the world with established platforms across quickly developing markets of the Gulf States, China and India, a thoughtful mixture of greenfield investments and acquired businesses.

VTS offers streamlined, flexible and innovative AHU with a wide range of applications covering market needs at competitive prices. VTS Group's 4 major product categories include:

- Air Handling Units – **VENTUS range**
- Air Curtains – **DEFENDER**
- Air Heaters – **VOLCANO**
- Fan Coils – **FVS Fan Coil Units**

VTS Group dynamic growth
– sales increase in time



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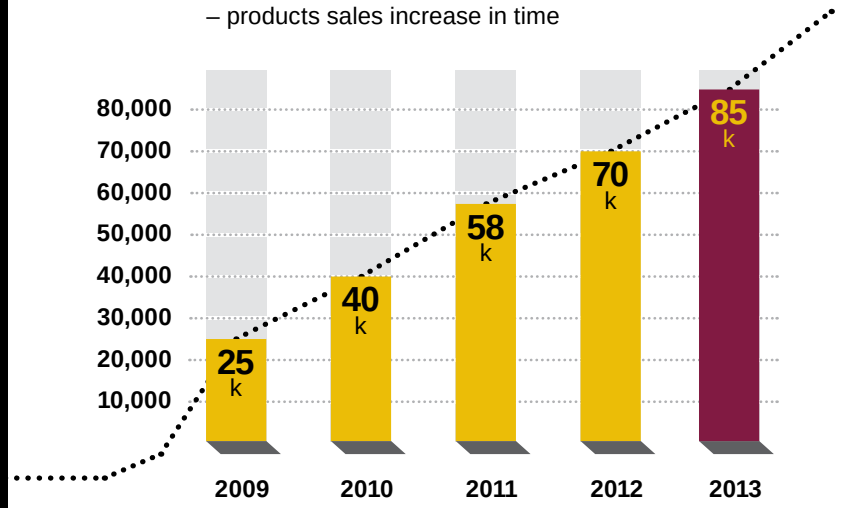


A presence in

40

countries

Across

5

continents

630,000

devices sold

350

technical sales consultants

World inspires us

Market leader focused on dynamic long term growth

Innovative Technology

Innovative product – flexible and innovative products design with a wide range of applications covering the market.

Technology features include frameless casing, eliminating thermal bridges and composite PLUG fan characterized by increased parameters and reduced costs.

New product options – constant development of new models tailored to specific market needs.

Advanced Supply Chain Management

Storage of components in 5 Production Plants located in Poland, India, UAE, China and the USA, allowing quick delivery of products to final customers.

Ultra short lead time - c.a. 75% of orders are sent within short lead time of 2 weeks.

Long term relationship and cooperation with leading component manufacturers, service companies, retail chains and HVAC dealers from Europe and Asia.

Assembly of AHUs either on client's site by authorized service teams or at Group's assembly hubs.

High Market Coverage & Distribution

High market involvement through presence in 40 countries, extensive network of more than 350 technical sales consultants and utilizing franchises in the Central European market and dealers in the Western part of Europe.

Leading market position in Poland, Russia and other Central European countries and well established companies in the Gulf States, China and India.

Reliable Business Partner.

Thousands of satisfied customers around the world are the best recommendation of VTS.

Casing

Top cover material:
- Galvanized steel
- Thickness: 0.7 mm

Base material:
- Galvanized steel
- Thickness: 0.7 mm

Side panel material:
- Galvanized steel
- Thickness: 1.0 mm

Back cover:
- Galvanized steel
- Thickness: 1.2 mm

Top cover for plenum:
- Galvanized steel
- Thickness: 0.7 mm

Side panel for plenum:
- Galvanized steel
- Thickness: 0.7 mm

Plenum box insulation:
- 7 mm closed cell foam

Cooling coil

Copper pipe:
- Dimensions: 3/8” (9.52 mm)
- Type: without coating

Fin:
- Water type Al-fin
- Thickness: 0.105 mm
- Fin gap: 1.8- 2.0 mm
- Type: corrugated fin
- Row: 4 rows
- Inlet/outlet: 3/4”(DN20)
- Air discharge valve and water outlet valve

Blower:

Blower material:
- Type: Forward Centrifugal
- Material: Galvanized steel

Motor:
- Type: Single phase capacitor type
- Insulation: B
- Protection grade: IP20

Filter:

- Filter frame: Aluminum alloy
- Material: Double layer aluminum
- Thickness: 25 mm
- Pressure drop maximum as for 10 mm EU1

Drain tray:

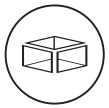
- Material: cold rolled plate with coating
- Thickness: 0.8 mm
- Insulation material: PE, 7 mm
- Water outlet: 3/4” (DN20)

Typical applications:

Offices | Hotels | Hospitals | Malls

FVS FAN COIL UNITS

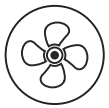
Standard Technical Specifications



Unit Casing:
Made of galvanized steel, with 0.7 mm thick panels. The unit is insulated with 7 mm thick closed cell foam insulation for thermal and acoustic insulation.

Drain Tray:
Is made of 0.8 mm deep drawn rolled steel and is polyester powder coated for corrosion resistance. The drain tray is insulated with 7 mm thick closed cell foam insulation, to prevent condensation.

Cooling Coils:
The coils are made with highly efficient aluminium corrugated type fins, which are mechanically bonded to 3/8” OD seamless copper tubes. All coils are specifically designed for chilled water applications. All coils are leak tested at 350 psi. Coils are provided with manual air and drain vent. Units are supplied with 4R coils and provided with brass MPT for water connection. (3/4” upto 3 tons and 1” for 4 and 5 tons).



Blower:
Blowers are centrifugal type, forward curved. The wheel is made of aluminium and the casing made of galvanized sheet. They are direct driven, (DIDW) double inlet double width, statically and dynamically balanced with motor, selected for high efficiency and non overload conditions.

Air Filters:
Factory installed, permanent washable aluminium filters, 25 mm, EU1 are provided as standard for all models.

Fan Motors:
Fan motors are provided with 3-speeds. Factory selected for 3 speeds are prewired to the junction box as default. All fan motors have built in internal thermal overload protection. Fan motors are permanent split capacitor type with permanently sealed and lubricated ball bearings.

Construction:
Units are constructed with flanged air outlet properly sized to reduce noise.

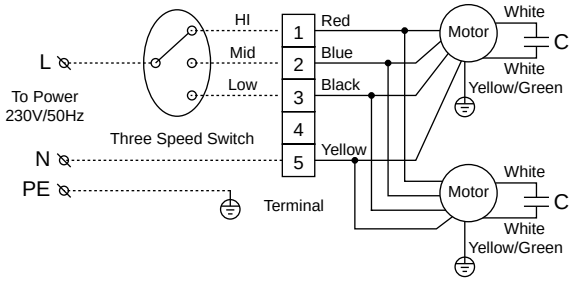
Compact Design:
The height of the units shall be a maximum of 284 mm upto 1200 cfm and upto 350 mm above 1200 cfm for low height false ceilings.

FVS FAN COIL UNITS

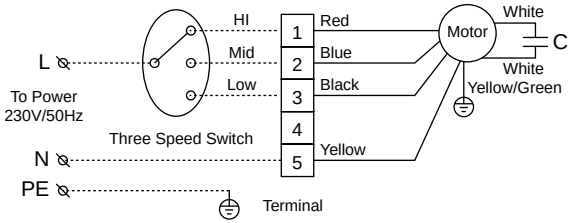
Standard Technical Specifications

Electrical wiring diagrams

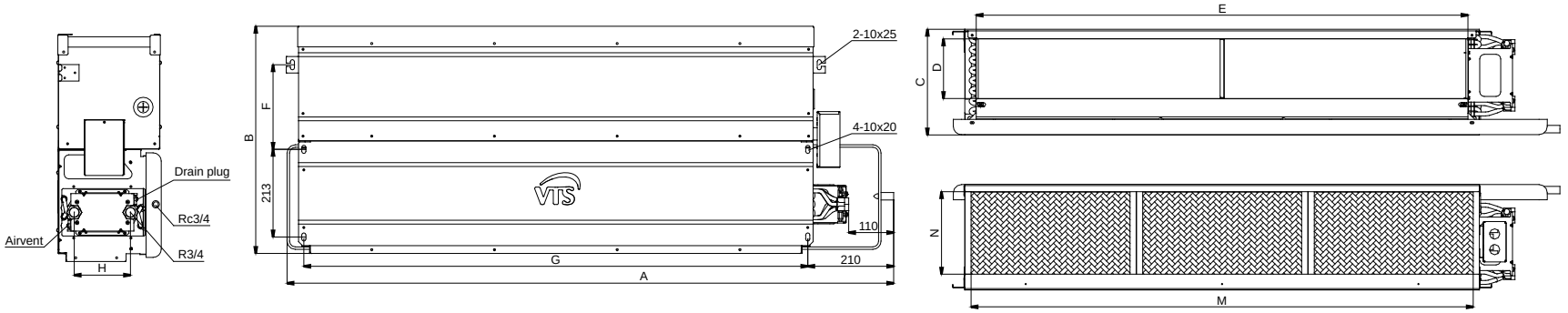
SD-600/800/1000/1200-WS/WD



SD-400-WS/WD



Dimensional drawings



Model	A	B	C	D	E	F	G	H	M	N
F-VS-SD-400-WS F-VS-SD-400-WD	1063	552	254	145	782	205.5	812	137.5	808	200
F-VS-SD-600-WS F-VS-SD-600-WD	1483	552	254	145	1202	205.5	1232	137.5	1228	200
F-VS-SD-800-WS F-VS-SD-800-WD	1853	552	254	145	1572	205.5	1602	137.5	1598	200
F-VS-SD-1000-WS F-VS-SD-1000-WD	1833	580	282	195	1552	233.5	1582	187.5	1578	228
F-VS-SD-1200-WS F-VS-SD-1200-WD	1983	580	282	195	1702	233.5	1732	187.5	1727	228

* All dimension is updated one(tooling dimension)

FVS FAN COIL UNITS

WD - Product family and general technical specification

Rated parameters		Units	Speed	F-VS-SD-400-WD	F-VS-SD-600-WD	F-VS-SD-800-WD	F-VS-SD-1000-WD	F-VS-SD-1200-WD
Cooling Capacity at DBT 80°F / WBT 67°F water at (5.5°C / 14.5°C) (42°F / 58.2°F)	Total	[BTU/hr]	High Speed	15.56	27.91	33.99	41.87	47.59
	Sensible	[BTU/hr]	High Speed	12.05	20.49	25.24	30.35	34.89
Cooling Capacity at DBT 76°F / WBT 63°F water at (5.5°C / 14.5°C) (42°F / 58.2°F)	Total	[BTU/hr]	High Speed	9.80	19.28	23.56	30.00	35.00
	Sensible	[BTU/hr]	High Speed	9.74	17.63	21.83	26.91	31.37
Cooling Capacity at DBT 80°F / WBT 67°F water at (5.5°C / 14.5°C) (42°F / 58.2°F)	Total	BTU/hr	Medium Speed	14.46	24.40	29.50	34.71	39.08
	Sensible	[BTU/hr]	Medium Speed	10.34	16.04	21.13	24.82	28.33
Cooling Capacity at DBT 76°F / WBT 63°F water at (5.5°C / 14.5°C) (42°F / 58.2°F)	Total	BTU/hr	Medium Speed	9.50	17.73	21.44	26.59	30.42
	Sensible	[BTU/hr]	Medium Speed	8.77	15.07	18.54	22.61	26.12
Air Flow at 0,2" wg		[CFM]	High Speed	500	800	1000	1200	1400
Air Flow at 0,0 wg		[CFM]	High Speed	637	1038	1264	1426	1647
Noise Level		[dB(A)]	High Speed	47	50	49	50	52
		[dB(A)]	Medium Speed	45	47	46	47	48
		[dB(A)]	Low Speed	42	46	43	42	45
Coil	Type	[-]		Copper pipe and corrugated fin				
	Face Area	[ft^2]		1.68	2.58	3.38	4.17	4.57
	Row	[-]		4	4	4	4	4
	Size	[mm x mm]		780x200	1200x200	1570x200	1550x250	1700x250
	Nominal water flow rate	US GPM	High Speed	2.01	3.60	4.39	5.54	6.43
Fan	Type	[-]		Centrifugal				
	Material	[-]		Galvanized steel				
	Dimensions	[-]		160-200J			180-170J	
	Quantity	[pcs.]		2	3	4	4	4
Fan motor	Power Supply	[W]		230V-1-50Hz				
	Max Power Input	[W]		1x105.2	2x175.2	2x211	2x338.2	2x336.6
	FLA	[A]		0.45	0.76	0.91	1.56	1.49
	Type/Class/IP	[-]		1-PH/B Insulation class/IP20				
	Revolutions	[rpm]	H/M/L	1256/1148/618	1088/1018/963	1148/1065/996	1010/934/572	1015/921/839
	Capacitor	[F]		2.5	2.5+3	2.5+2.5	2.0+2.0	3.0+3.0
	Quantity	[-]		1	2	2	2	2
Drive method		[-]		Direct/Capacitor				
Weight	Unit	[kg]		24	35	43	48	51
	Shipping	[kg]		27	38.5	47	52	56
Unit Dimensions	L	[mm]		1063	1483	1853	1833	1983
	W	[mm]		552	552	552	580	580
	H	[mm]		254	254	254	282	282
Shipping Dimensions	L	[mm]		1073	1493	1863	1843	1993
	W	[mm]		562	562	562	590	590
	H	[mm]		264	264	264	292	292
Connections	Inlet (MPT)	[inch]		R3/4"(DN20)				
	Outlet (MPT)	[inch]		R3/4"(DN20)				
	Drain Pan Inch OD	[inch]		R3/4"(DN20)				

FVS FAN COIL UNITS

Performance data of F-VS-SD-400-WD – F-VS-SD-1200-WD

Model	Cooling Coil Air Inlet			Water in 42°F and outlet 58.2°F				Water in 45°F and outlet 61.2°F				Water in 48°F and outlet 64.2°F			
	DB/WB	SPEED	Air Flow Rate	Cooling Capacity		Water Flow rate	Water Pressure drop	Cooling Capacity		Water Flow rate	Water Pressure drop	Cooling Capacity		Water Flow rate	Water Pressure drop
				Total*	Sensible			Total*	Sensible			Total*	Sensible		
			m^3/h	kW	kW	L/S	kPa	kW	kW	L/S	kPa	kW	kW	L/S	kPa
F-VS-SD-400-WD	80.6°F/67.1°F	H	850	4.56	3.53	0.13	8.83	4.03	3.32	0.11	7.16	3.29	3.04	0.09	5.07
		M	680	4.24	3.03	0.12	7.79	3.56	2.79	0.10	5.80	2.97	2.56	0.08	4.25
		L	467	3.12	2.19	0.09	4.61	2.78	2.05	0.08	3.80	2.36	1.88	0.07	2.87
F-VS-SD-600-WD	80.6°F/67.1°F	H	1360	8.18	6.00	0.23	14.66	7.25	5.63	0.20	11.94	6.07	5.17	0.17	8.81
		M	1088	7.15	4.70	0.20	11.66	6.37	4.73	0.18	9.58	5.36	4.33	0.15	7.13
		L	748	5.54	3.74	0.15	7.54	5.05	3.53	0.14	6.45	4.22	3.19	0.12	4.74
F-VS-SD-800-WD	80.6°F/67.1°F	H	1700	9.96	7.39	0.28	14.02	8.96	6.99	0.25	11.70	7.43	6.40	0.21	8.50
		M	1360	8.64	6.19	0.24	11.01	7.80	5.85	0.22	9.24	6.53	5.34	0.18	6.83
		L	935	6.75	4.60	0.19	7.22	6.06	4.31	0.17	6.00	5.19	3.95	0.14	4.60
F-VS-SD-1000-WD	80.6°F/67.1°F	H	2040	12.27	8.89	0.34	14.66	11.32	8.62	0.31	12.78	9.30	7.83	0.26	9.13
		M	1632	10.17	7.27	0.28	10.64	9.81	7.20	0.27	10.02	8.25	6.57	0.23	7.44
		L	1122	8.28	5.60	0.23	7.49	7.58	5.30	0.21	6.45	6.47	4.84	0.18	4.92
F-VS-SD-1200-WD	80.6°F/67.1°F	H	2380	13.94	10.22	0.39	18.25	13.21	10.06	0.37	16.63	11.07	9.21	0.31	12.30
		M	1904	11.45	8.30	0.32	13.03	11.21	8.31	0.31	12.58	9.38	7.57	0.26	9.28
		L	1309	9.94	6.66	0.28	10.24	9.09	6.29	0.25	8.79	7.67	5.69	0.21	6.57

* Chiller power = Total Cooling Capacity +5%

FVS FAN COIL UNITS

Performance data of F-VS-SD-400-WD

GPM: Chilled Water Flow Rate, Gallons/Minute
PD: Pressure Drop in feet, water gauge

F-VS-SD-400-WD	Cooling Coil Air Inlet			Entering Water Temperature (°F)																							
				Water in 42°F and outlet 58.2°F								Water in 45°F and outlet 61.2°F								Water in 48°F and outlet 64.2°F							
				Cooling Capacity				Water Flow rate		Water Pressure drop		Cooling Capacity				Water Flow rate		Water Pressure drop		Cooling Capacity				Water Flow rate		Water Pressure drop	
				Total*		Sensible						Total*		Sensible						Total*		Sensible					
DB/WB	Speed	Air Flow Rate																									
		m^3/h	CFM	(X 1,000 Btu/Hr)	kW	(X 1,000 Btu/Hr)	kW	GPM	L/S	Ft.wg	kPa	(X 1,000 Btu/Hr)	kW	(X 1,000 Btu/Hr)	kW	GPM	L/S	Ft.wg	kPa	(X 1,000 Btu/Hr)	kW	(X 1,000 Btu/Hr)	kW	GPM	L/S	Ft.wg	kPa
76°F/63°F	HI	850	500	9.80	2.87	9.74	2.85	1.26	0.08	1.32	4.01	8.90	2.61	8.81	2.58	1.15	0.07	1.12	3.40	6.39	1.87	6.28	1.84	0.82	0.05	0.63	1.93
	MED	680	400	9.50	2.78	8.77	2.57	1.23	0.08	1.25	3.80	7.99	2.34	7.94	2.33	1.03	0.06	0.93	2.83	5.83	1.71	5.77	1.69	0.75	0.05	0.54	1.65
	LOW	467	275	7.77	2.28	6.54	1.92	1.00	0.06	0.88	2.70	6.58	1.93	6.03	1.77	0.85	0.05	0.67	2.03	5.24	1.54	5.20	1.52	0.68	0.04	0.45	1.38
80°F/63°F	HI	850	500	9.80	2.87	9.74	2.85	1.26	0.08	1.32	4.01	8.90	2.61	8.81	2.58	1.15	0.07	1.12	3.40	6.39	1.87	6.28	1.84	0.82	0.05	0.63	1.93
	MED	680	400	9.50	2.78	9.44	2.77	1.23	0.08	1.25	3.80	7.99	2.34	7.94	2.33	1.03	0.06	0.93	2.83	5.83	1.71	5.77	1.69	0.75	0.05	0.54	1.65
	LOW	467	275	7.77	2.28	7.68	2.25	1.00	0.06	0.88	2.70	6.58	1.93	6.54	1.92	0.85	0.05	0.67	2.03	5.24	1.54	5.20	1.52	0.68	0.04	0.45	1.38
85°F/63°F	HI	850	500	9.80	2.87	9.74	2.85	1.26	0.08	1.32	4.01	8.90	2.61	8.81	2.58	1.15	0.07	1.12	3.40	6.39	1.87	6.28	1.84	0.82	0.05	0.63	1.93
	MED	680	400	9.50	2.78	9.44	2.77	1.23	0.08	1.25	3.80	7.99	2.34	7.94	2.33	1.03	0.06	0.93	2.83	5.83	1.71	5.77	1.69	0.75	0.05	0.54	1.65
	LOW	467	275	7.78	2.28	7.78	2.28	1.00	0.06	0.88	2.70	6.58	1.93	6.54	1.92	0.85	0.05	0.67	2.03	5.24	1.54	5.20	1.52	0.68	0.04	0.45	1.38
76°F/65°F	HI	850	500	13.49	3.95	10.35	3.03	1.74	0.11	2.27	6.92	11.42	3.35	9.53	2.79	1.47	0.09	1.71	5.21	8.72	2.56	8.49	2.49	1.13	0.07	1.08	3.29
	MED	680	400	11.58	3.39	8.92	2.61	1.49	0.09	1.75	5.34	10.29	3.01	8.09	2.37	1.33	0.08	1.43	4.36	7.91	2.32	7.12	2.09	1.02	0.06	0.91	2.78
	LOW	467	275	9.30	2.72	6.49	1.90	1.20	0.08	1.20	3.67	8.11	2.38	5.98	1.75	1.05	0.07	0.95	2.90	6.53	1.91	5.31	1.55	0.84	0.05	0.66	2.00
80°F/65°F	HI	850	500	13.49	3.95	12.46	3.65	1.74	0.11	2.27	6.92	11.42	3.35	11.38	3.33	1.47	0.09	1.71	5.21	8.72	2.56	8.69	2.55	1.13	0.07	1.08	3.29
	MED	680	400	11.58	3.39	10.34	3.03	1.49	0.09	1.75	5.34	10.29	3.01	9.82	2.88	1.33	0.08	1.43	4.36	7.91	2.32	7.87	2.31	1.02	0.06	0.91	2.78
	LOW	467	275	9.30	2.72	7.66	2.24	1.20	0.08	1.20	3.67	8.11	2.38	7.16	2.10	1.05	0.07	0.95	2.90	6.53	1.91	6.49	1.90	0.84	0.05	0.66	2.00
85°F/65°F	HI	850	500	13.49	3.95	13.48	3.95	1.74	0.11	2.27	6.92	11.42	3.35	11.38	3.33	1.47	0.09	1.71	5.21	8.72	2.56	8.65	2.53	1.13	0.07	1.08	3.29
	MED	680	400	11.58	3.39	11.54	3.38	1.49	0.09	1.75	5.34	10.29	3.01	10.27	3.01	1.33	0.08	1.43	4.36	7.91	2.32	7.87	2.31	1.02	0.06	0.91	2.78
	LOW	467	275	9.30	2.72	9.05	2.65	1.20	0.08	1.20	3.67	8.11	2.38	8.09	2.37	1.05	0.07	0.95	2.90	6.53	1.91	6.49	1.90	0.84	0.05	0.66	2.00
76°F/67°F	HI	850	500	15.56	4.56	9.89	2.90	2.01	0.13	2.90	8.83	13.76	4.03	9.18	2.69	1.78	0.11	2.35	7.16	11.24	3.29	8.22	2.41	1.45	0.09	1.66	5.07
	MED	680	400	13.81	4.05	8.47	2.48	1.78	0.11	2.36	7.21	12.16	3.56	7.79	2.28	1.57	0.10	1.90	5.80	10.14	2.97	7.01	2.06	1.31	0.08	1.40	4.25
	LOW	467	275	10.63	3.12	6.29	1.84	1.37	0.09	1.51	4.61	9.50	2.78	5.82	1.70	1.23	0.08	1.25	3.80	8.06	2.36	5.24	1.54	1.04	0.07	0.94	2.87
80°F/67°F	HI	850	500	15.56	4.56	12.05	3.53	2.01	0.13	2.90	8.83	13.76	4.03	11.33	3.32	1.78	0.11	2.35	7.16	11.24	3.29	10.38	3.04	1.45	0.09	1.66	5.07
	MED	680	400	14.46	4.24	10.34	3.03	1.87	0.12	2.56	7.79	12.16	3.56	9.52	2.79	1.57	0.10	1.90	5.80	10.14	2.97	8.74	2.56	1.31	0.08	1.40	4.25
	LOW	467	275	10.63	3.12	7.47	2.19	1.37	0.09	1.51	4.61	9.50	2.78	7.00	2.05	1.23	0.08	1.25	3.80	8.06	2.36	6.42	1.88	1.04	0.07	0.94	2.87
85°F/67°F	HI	850	500	15.56	4.56	14.58	4.27	2.01	0.13	2.90	8.83	13.76	4.03	13.72	4.02	1.78	0.11	2.35	7.16	11.24	3.29	11.15	3.27	1.45	0.09	1.66	5.07
	MED	680	400	13.81	4.05	12.21	3.58	1.78	0.11	2.36	7.21	12.16	3.56	11.54	3.38	1.57	0.10	1.90	5.80	10.14	2.97	10.12	2.96	1.31	0.08	1.40	4.25
	LOW	467	275	10.63	3.12	8.86	2.60	1.37	0.09	1.51	4.61	9.50	2.78	8.39	2.46	1.23	0.08	1.25	3.80	8.06	2.36	7.82	2.29	1.04	0.07	0.94	2.87

* Chiller power = Total Cooling Capacity +5%

FVS FAN COIL UNITS

Performance data of F-VS-SD-600-WD

GPM: Chilled Water Flow Rate, Gallons/Minute
PD: Pressure Drop in feet, water gauge

	Cooling Coil Air Inlet				Entering Water Temperature (°F)																							
					Water in 42°F and outlet 58.2°F								Water in 45°F and outlet 61.2°F								Wter in 48°F and outlet 64.2°F							
			Air Flow Rate		Cooling Capacity				Water Flow rate		Water Pressure drop		Cooling Capacity				Water Flow rate		Water Pressure drop		Cooling Capacity				Water Flow rate		Water Pressure drop	
					Total*		Sensible						Total*		Sensible						Total*		Sensible					
	DB/WB	Speed	m^3/h	CFM	(X 1,000 Btu/Hr)	kW	(X 1,000 Btu/Hr)	kW	GPM	L/S	Ft.wg	kPa	(X 1,000 Btu/Hr)	kW	(X 1,000 Btu/Hr)	kW	GPM	L/S	Ft.wg	kPa	(X 1,000 Btu/Hr)	kW	(X 1,000 Btu/Hr)	kW	GPM	L/S	Ft.wg	kPa
F-VS-SD-600-WD	76°F/63°F	HI	1360	800	19.28	5.65	17.63	5.16	2.49	0.16	2.56	7.79	16.26	4.76	16.19	4.74	2.10	0.13	1.91	5.83	12.09	3.54	11.99	3.51	1.56	0.10	1.15	3.51
		MED	1088	640	17.73	5.19	15.07	4.42	2.29	0.14	2.21	6.75	14.85	4.35	14.34	4.20	1.92	0.12	1.64	4.99	11.51	3.37	11.49	3.37	1.48	0.09	1.06	3.23
		LOW	748	440	14.09	4.13	11.19	3.28	1.82	0.11	1.50	4.56	12.11	3.55	10.33	3.03	1.56	0.10	1.15	3.52	9.50	2.78	9.23	2.71	1.23	0.08	0.76	2.33
	80°F/63°F	HI	1360	800	19.28	5.65	19.19	5.62	2.49	0.16	2.56	7.79	16.26	4.76	16.19	4.74	2.10	0.13	1.91	5.83	12.09	3.54	11.99	3.51	1.56	0.10	1.15	3.51
		MED	1088	640	17.73	5.19	17.69	5.18	2.29	0.14	2.21	6.75	14.85	4.35	14.81	4.34	1.92	0.12	1.64	4.99	11.51	3.37	11.49	3.37	1.48	0.09	1.06	3.23
		LOW	748	440	14.09	4.13	13.09	3.84	1.82	0.11	1.50	4.56	12.11	3.55	12.08	3.54	1.56	0.10	1.15	3.52	9.50	2.78	9.44	2.77	1.23	0.08	0.76	2.33
	85°F/63°F	HI	1360	800	19.29	5.65	19.29	5.65	2.49	0.16	2.56	7.79	16.26	4.76	16.20	4.75	2.10	0.13	1.91	5.83	12.09	3.54	11.95	3.50	1.56	0.10	1.15	3.51
		MED	1088	640	17.73	5.19	17.69	5.18	2.29	0.14	2.21	6.75	14.85	4.35	14.81	4.34	1.92	0.12	1.64	4.99	11.51	3.37	11.43	3.35	1.48	0.09	1.06	3.23
		LOW	748	440	14.11	4.13	14.10	4.13	1.82	0.11	1.50	4.56	12.11	3.55	12.08	3.54	1.56	0.10	1.15	3.52	9.50	2.78	9.44	2.77	1.23	0.08	0.76	2.33
	76°F/65°F	HI	1360	800	23.45	6.87	17.33	5.08	3.03	0.19	3.57	10.89	20.43	5.99	16.11	4.72	2.64	0.17	2.82	8.61	16.40	4.81	14.52	4.26	2.12	0.13	1.94	5.91
		MED	1088	640	20.72	6.07	14.69	4.30	2.67	0.17	2.89	8.81	18.30	5.36	13.68	4.01	2.36	0.15	2.34	7.13	14.85	4.35	11.83	3.47	1.92	0.12	1.64	4.99
		LOW	748	440	16.38	4.80	11.02	3.23	2.11	0.13	1.94	5.90	14.56	4.27	10.23	3.00	1.88	0.12	1.58	4.83	11.79	3.46	9.08	2.66	1.52	0.10	1.10	3.37
	80°F/65°F	HI	1360	800	23.45	6.87	20.77	6.09	3.03	0.19	3.57	10.89	20.43	5.99	19.56	5.73	2.64	0.17	2.82	8.61	16.40	4.81	16.34	4.79	2.12	0.13	1.94	5.91
		MED	1088	640	20.72	6.07	17.45	5.11	2.67	0.17	2.89	8.81	18.30	5.36	16.43	4.81	2.36	0.15	2.34	7.13	14.85	4.35	14.81	4.34	1.92	0.12	1.64	4.99
		LOW	748	440	16.38	4.80	12.92	3.78	2.11	0.13	1.94	5.90	14.56	4.27	12.12	3.55	1.88	0.12	1.58	4.83	11.79	3.46	10.97	3.21	1.52	0.10	1.10	3.37
	85°F/65°F	HI	1360	800	23.45	6.87	23.43	6.86	3.03	0.19	3.57	10.89	20.43	5.99	20.38	5.97	2.64	0.17	2.82	8.61	16.40	4.81	16.34	4.79	2.12	0.13	1.94	5.91
		MED	1088	640	20.72	6.07	20.68	6.06	2.67	0.17	2.89	8.81	18.30	5.36	18.25	5.35	2.36	0.15	2.34	7.13	14.85	4.35	14.83	4.35	1.92	0.12	1.64	4.99
		LOW	748	440	16.38	4.80	15.14	4.43	2.11	0.13	1.94	5.90	14.56	4.27	14.35	4.21	1.88	0.12	1.58	4.83	11.79	3.46	11.77	3.45	1.52	0.10	1.10	3.37
	76°F/67°F	HI	1360	800	27.91	8.18	17.04	4.99	3.60	0.23	4.81	14.66	24.75	7.25	15.77	4.62	3.19	0.20	3.92	11.94	20.72	6.07	14.19	4.16	2.67	0.17	2.89	8.81
		MED	1088	640	24.40	7.15	14.48	4.24	3.15	0.20	3.82	11.66	21.76	6.37	13.39	3.92	2.81	0.18	3.14	9.58	18.30	5.36	12.01	3.52	2.36	0.15	2.34	7.13
		LOW	748	440	18.91	5.54	10.88	3.19	2.44	0.15	2.47	7.54	17.25	5.05	10.16	2.98	2.23	0.14	2.11	6.45	14.40	4.22	8.99	2.63	1.86	0.12	1.55	4.74
	80°F/67°F	HI	1360	800	27.91	8.18	20.49	6.00	3.60	0.23	4.81	14.66	24.75	7.25	19.22	5.63	3.19	0.20	3.92	11.94	20.72	6.07	17.64	5.17	2.67	0.17	2.89	8.81
		MED	1088	640	24.40	7.15	16.04	4.70	3.15	0.20	3.82	11.66	21.76	6.37	16.15	4.73	2.81	0.18	3.14	9.58	18.30	5.36	14.77	4.33	2.36	0.15	2.34	7.13
		LOW	748	440	18.91	5.54	12.78	3.74	2.44	0.15	2.47	7.54	17.25	5.05	12.05	3.53	2.23	0.14	2.11	6.45	14.40	4.22	10.88	3.19	1.86	0.12	1.55	4.74
	85°F/67°F	HI	1360	800	27.91	8.18	24.54	7.19	3.60	0.23	4.81	14.66	24.75	7.25	23.26	6.82	3.19	0.20	3.92	11.94	20.72	6.07	20.64	6.05	2.67	0.17	2.89	8.81
		MED	1088	640	24.40	7.15	20.48	6.00	3.15	0.20	3.82	11.66	21.76	6.37	19.39	5.68	2.81	0.18	3.14	9.58	18.30	5.36	18.01	5.28	2.36	0.15	2.34	7.13
		LOW	748	440	18.91	5.54	15.00	4.40	2.44	0.15	2.47	7.54	17.25	5.05	14.28	4.18	2.23	0.14	2.11	6.45	14.40	4.22	13.11	3.84	1.86	0.12	1.55	4.74

* Chiller power = Total Cooling Capacity +5%

FVS FAN COIL UNITS

Performance data of F-VS-SD-800-WD

GPM: Chilled Water Flow Rate, Gallons/Minute
PD: Pressure Drop in feet, water gauge

F-VS-SD-800-WD	Cooling Coil Air Inlet				Entering Water Temperature (°F)																							
					Water in 42°F and outlet 58.2°F								Water in 45°F and outlet 61.2°F								Water in 48°F and outlet 64.2°F							
	DB/WB	Speed	Air Flow Rate		Cooling Capacity				Water Flow rate		Water Pressure drop		Cooling Capacity				Water Flow rate		Water Pressure drop		Cooling Capacity				Water Flow rate		Water Pressure drop	
					Total*		Sensible						Total*		Sensible						Total*		Sensible					
			m^3/h	CFM	(X 1,000 Btu/Hr)	kW	(X 1,000 Btu/Hr)	kW	GPM	L/S	Ft.wg	kPa	(X 1,000 Btu/Hr)	kW	(X 1,000 Btu/Hr)	kW	GPM	L/S	Ft.wg	kPa	(X 1,000 Btu/Hr)	kW	(X 1,000 Btu/Hr)	kW	GPM	L/S	Ft.wg	kPa
	76°F/63°F	HI	1700	1000	23.56	6.90	21.83	6.40	3.04	0.19	2.46	7.50	20.50	6.01	20.42	5.98	2.65	0.17	1.94	5.91	15.29	4.48	15.27	4.47	1.97	0.12	1.17	3.58
		MED	1360	800	21.44	6.28	18.54	5.43	2.77	0.17	2.09	6.38	18.13	5.31	17.15	5.02	2.34	0.15	1.57	4.79	14.25	4.17	14.21	4.16	1.84	0.12	1.04	3.17
		LOW	935	550	17.02	4.99	13.73	4.02	2.19	0.14	1.41	4.30	14.64	4.29	12.71	3.72	1.89	0.12	1.09	3.33	11.77	3.45	11.51	3.37	1.52	0.10	0.75	2.29
	80°F/63°F	HI	1700	1000	23.56	6.90	23.51	6.89	3.04	0.19	2.46	7.50	20.50	6.01	20.42	5.98	2.65	0.17	1.94	5.91	15.29	4.48	15.19	4.45	1.97	0.12	1.17	3.58
		MED	1360	800	21.44	6.28	21.43	6.28	2.77	0.17	2.09	6.38	18.13	5.31	18.06	5.29	2.34	0.15	1.57	4.79	14.25	4.17	14.22	4.17	1.84	0.12	1.04	3.17
		LOW	935	550	17.02	4.99	16.10	4.72	2.19	0.14	1.41	4.30	14.64	4.29	14.58	4.27	1.89	0.12	1.09	3.33	11.77	3.45	11.75	3.44	1.52	0.10	0.75	2.29
	85°F/63°F	HI	1700	1000	23.56	6.90	23.55	6.90	3.04	0.19	2.46	7.50	20.50	6.01	20.42	5.98	2.65	0.17	1.94	5.91	15.29	4.48	15.12	4.43	1.97	0.12	1.17	3.58
		MED	1360	800	21.44	6.28	21.36	6.26	2.77	0.17	2.09	6.38	18.13	5.31	18.06	5.29	2.34	0.15	1.57	4.79	14.25	4.17	14.15	4.15	1.84	0.12	1.04	3.17
		LOW	935	550	17.02	4.99	17.00	4.98	2.19	0.14	1.41	4.30	14.64	4.29	14.58	4.27	1.89	0.12	1.09	3.33	11.77	3.45	11.75	3.44	1.52	0.10	0.75	2.29
	76°F/65°F	HI	1700	1000	28.96	8.48	21.51	6.30	3.74	0.24	3.50	10.67	25.00	7.33	19.92	5.84	3.23	0.20	2.72	8.30	19.96	5.85	17.89	5.24	2.58	0.16	1.85	5.65
		MED	1360	800	25.18	7.38	18.06	5.29	3.25	0.20	2.76	8.40	22.45	6.58	16.92	4.96	2.90	0.18	2.26	6.90	17.84	5.23	15.08	4.42	2.30	0.15	1.53	4.66
		LOW	935	550	19.98	5.85	13.56	3.97	2.58	0.16	1.86	5.66	17.61	5.16	12.53	3.67	2.27	0.14	1.50	4.56	14.25	4.17	11.15	3.27	1.84	0.12	1.04	3.17
	80°F/65°F	HI	1700	1000	28.96	8.48	25.82	7.56	3.74	0.24	3.50	10.67	25.00	7.33	24.22	7.10	3.23	0.20	2.72	8.30	19.96	5.85	19.88	5.82	2.58	0.16	1.85	5.65
		MED	1360	800	25.18	7.38	21.51	6.30	3.25	0.20	2.76	8.40	22.45	6.58	20.37	5.97	2.90	0.18	2.26	6.90	17.84	5.23	17.81	5.22	2.30	0.15	1.53	4.66
		LOW	935	550	19.98	5.85	15.93	4.67	2.58	0.16	1.86	5.66	17.61	5.16	14.91	4.37	2.27	0.14	1.50	4.56	14.25	4.17	13.53	3.96	1.84	0.12	1.04	3.17
	85°F/65°F	HI	1700	1000	28.96	8.48	28.89	8.46	3.74	0.24	3.50	10.67	25.00	7.33	24.92	7.30	3.23	0.20	2.72	8.30	19.96	5.85	19.86	5.82	2.58	0.16	1.85	5.65
		MED	1360	800	25.18	7.38	25.18	7.38	3.25	0.20	2.76	8.40	22.45	6.58	22.41	6.57	2.90	0.18	2.26	6.90	17.84	5.23	17.81	5.22	2.30	0.15	1.53	4.66
		LOW	935	550	19.98	5.85	18.71	5.48	2.58	0.16	1.86	5.66	17.61	5.16	17.57	5.15	2.27	0.14	1.50	4.56	14.25	4.17	14.22	4.17	1.84	0.12	1.04	3.17
	76°F/67°F	HI	1700	1000	33.99	9.96	20.93	6.13	4.39	0.28	4.60	14.02	30.58	8.96	19.56	5.73	3.94	0.25	3.84	11.70	25.36	7.43	17.54	5.14	3.27	0.21	2.79	8.50
		MED	1360	800	29.50	8.64	17.69	5.18	3.81	0.24	3.61	11.01	26.62	7.80	16.50	4.84	3.43	0.22	3.03	9.24	22.30	6.53	14.79	4.33	2.88	0.18	2.24	6.83
		LOW	935	550	23.05	6.75	13.34	3.91	2.97	0.19	2.37	7.22	20.68	6.06	12.32	3.61	2.67	0.17	1.97	6.00	17.71	5.19	11.12	3.26	2.28	0.14	1.51	4.60
	80°F/67°F	HI	1700	1000	33.99	9.96	25.24	7.39	4.39	0.28	4.60	14.02	30.58	8.96	23.87	6.99	3.94	0.25	3.84	11.70	25.36	7.43	21.85	6.40	3.27	0.21	2.79	8.50
		MED	1360	800	29.50	8.64	21.13	6.19	3.81	0.24	3.61	11.01	26.62	7.80	19.95	5.85	3.43	0.22	3.03	9.24	22.30	6.53	18.24	5.34	2.88	0.18	2.24	6.83
		LOW	935	550	23.05	6.75	15.71	4.60	2.97	0.19	2.37	7.22	20.68	6.06	14.69	4.31	2.67	0.17	1.97	6.00	17.71	5.19	13.49	3.95	2.28	0.14	1.51	4.60
	85°F/67°F	HI	1700	1000	33.99	9.96	30.30	8.88	4.39	0.28	4.60	14.02	30.58	8.96	28.93	8.48	3.94	0.25	3.84	11.70	25.36	7.43	25.27	7.41	3.27	0.21	2.79	8.50
		MED	1360	800	30.36	8.90	25.33	7.42	3.92	0.25	3.79	11.56	26.62	7.80	24.00	7.03	3.43	0.22	3.03	9.24	22.30	6.53	22.18	6.50	2.88	0.18	2.24	6.83
		LOW	935	550	23.05	6.75	18.50	5.42	2.97	0.19	2.37	7.22	20.68	6.06	17.48	5.12	2.67	0.17	1.97	6.00	17.71	5.19	17.49	5.12	2.28	0.14	1.51	4.60

* Chiller power = Total Cooling Capacity +5%

FVS FAN COIL UNITS

Performance data of F-VS-SD-1000-WD

GPM: Chilled Water Flow Rate, Gallons/Minute
PD: Pressure Drop in feet, water gauge

F-VS-SD-1000-WD	Cooling Coil Air Inlet				Entering Water Temperature (°F)																							
					Water in 42°F and outlet 58.2°F								Water in 45°F and outlet 61.2°F								Water in 48°F and outlet 64.2°F							
	DB/WB	Speed	Air Flow Rate		Cooling Capacity				Water Flow rate		Water Pressure drop		Cooling Capacity				Water Flow rate		Water Pressure drop		Cooling Capacity				Water Flow rate		Water Pressure drop	
					Total*		Sensible						Total*		Sensible						Total*		Sensible					
			m^3/h	CFM	(X 1,000 Btu/Hr)	kW	(X 1,000 Btu/Hr)	kW	GPM	L/S	Ft.wg	kPa	(X 1,000 Btu/Hr)	kW	(X 1,000 Btu/Hr)	kW	GPM	L/S	Ft.wg	kPa	(X 1,000 Btu/Hr)	kW	(X 1,000 Btu/Hr)	kW	GPM	L/S	Ft.wg	kPa
	76°F/63°F	HI	2040	1200	30.00	8.79	26.91	7.89	3.87	0.24	2.72	8.30	25.04	7.34	24.84	7.28	3.23	0.20	2.00	6.09	20.07	5.88	20.01	5.86	2.59	0.16	1.37	4.18
		MED	1632	960	26.59	7.79	22.61	6.62	3.43	0.22	2.21	6.75	22.79	6.68	21.03	6.16	2.94	0.19	1.70	5.19	18.30	5.36	18.26	5.35	2.36	0.15	1.17	3.57
		LOW	1122	660	21.13	6.19	16.79	4.92	2.73	0.17	1.50	4.56	18.40	5.39	15.59	4.57	2.37	0.15	1.18	3.60	14.84	4.35	14.10	4.13	1.91	0.12	0.82	2.49
	80°F/63°F	HI	2040	1200	30.00	8.79	29.95	8.77	3.87	0.24	2.72	8.30	25.04	7.34	24.96	7.31	3.23	0.20	2.00	6.09	20.07	5.88	19.99	5.86	2.59	0.16	1.37	4.18
		MED	1632	960	26.59	7.79	26.53	7.77	3.43	0.22	2.21	6.75	22.79	6.68	22.75	6.67	2.94	0.19	1.70	5.19	18.30	5.36	18.24	5.34	2.36	0.15	1.17	3.57
		LOW	1122	660	21.13	6.19	19.64	5.75	2.73	0.17	1.50	4.56	18.40	5.39	18.36	5.38	2.37	0.15	1.18	3.60	14.84	4.35	14.81	4.34	1.91	0.12	0.82	2.49
	85°F/63°F	HI	2040	1200	30.00	8.79	29.97	8.78	3.87	0.24	2.72	8.30	25.04	7.34	24.96	7.31	3.23	0.20	2.00	6.09	20.07	5.88	19.90	5.83	2.59	0.16	1.37	4.18
		MED	1632	960	26.59	7.79	26.53	7.77	3.43	0.22	2.21	6.75	22.79	6.68	22.66	6.64	2.94	0.19	1.70	5.19	18.30	5.36	18.22	5.34	2.36	0.15	1.17	3.57
		LOW	1122	660	21.13	6.19	21.10	6.18	2.73	0.17	1.50	4.56	18.40	5.39	18.36	5.38	2.37	0.15	1.18	3.60	14.84	4.35	14.78	4.33	1.91	0.12	0.82	2.49
	76°F/65°F	HI	2040	1200	36.26	10.62	26.46	7.75	4.68	0.30	3.76	11.47	31.94	9.36	24.69	7.23	4.12	0.26	3.03	9.24	25.68	7.53	22.19	6.50	3.31	0.21	2.09	6.36
		MED	1632	960	32.29	9.46	22.54	6.60	4.17	0.26	3.09	9.41	28.15	8.25	20.79	6.09	3.63	0.23	2.44	7.44	22.79	6.68	18.63	5.46	2.94	0.19	1.70	5.19
		LOW	1122	660	25.17	7.37	16.79	4.92	3.25	0.20	2.02	6.15	22.20	6.50	15.49	4.54	2.86	0.18	1.63	4.96	17.81	5.22	13.66	4.00	2.30	0.14	1.12	3.40
	80°F/65°F	HI	2040	1200	36.26	10.62	31.63	9.27	4.68	0.30	3.76	11.47	31.94	9.36	29.86	8.75	4.12	0.26	3.03	9.24	25.68	7.53	25.63	7.51	3.31	0.21	2.09	6.36
		MED	1632	960	32.29	9.46	26.67	7.82	4.17	0.26	3.09	9.41	28.15	8.25	24.93	7.30	3.63	0.23	2.44	7.44	22.79	6.68	22.77	6.67	2.94	0.19	1.70	5.19
		LOW	1122	660	25.17	7.37	19.64	5.75	3.25	0.20	2.02	6.15	22.20	6.50	18.34	5.37	2.86	0.18	1.63	4.96	17.81	5.22	16.51	4.84	2.30	0.14	1.12	3.40
	85°F/65°F	HI	2040	1200	36.26	10.62	36.24	10.62	4.68	0.30	3.76	11.47	31.94	9.36	31.93	9.35	4.12	0.26	3.03	9.24	25.68	7.53	25.63	7.51	3.31	0.21	2.09	6.36
		MED	1632	960	32.29	9.46	31.53	9.24	4.17	0.26	3.09	9.41	28.15	8.25	28.06	8.22	3.63	0.23	2.44	7.44	22.79	6.68	22.70	6.65	2.94	0.19	1.70	5.19
		LOW	1122	660	25.17	7.37	22.97	6.73	3.25	0.20	2.02	6.15	22.20	6.50	21.68	6.35	2.86	0.18	1.63	4.96	17.81	5.22	17.71	5.19	2.30	0.14	1.12	3.40
	76°F/67°F	HI	2040	1200	51.37	15.05	29.56	8.66	6.63	0.42	6.82	20.79	38.63	11.32	24.26	7.11	4.98	0.31	4.19	12.78	31.73	9.30	22.71	6.65	4.09	0.26	2.99	9.13
		MED	1632	960	37.12	10.88	21.96	6.43	4.79	0.30	3.92	11.94	33.50	9.81	20.43	5.99	4.32	0.27	3.29	10.02	28.15	8.25	18.29	5.36	3.63	0.23	2.44	7.44
		LOW	1122	660	28.25	8.28	16.26	4.76	3.64	0.23	2.46	7.49	25.88	7.58	15.25	4.47	3.34	0.21	2.11	6.45	22.08	6.47	13.66	4.00	2.85	0.18	1.61	4.92
	80°F/67°F	HI	2040	1200	41.87	12.27	30.35	8.89	5.40	0.34	4.81	14.66	38.63	11.32	29.43	8.62	4.98	0.31	4.19	12.78	31.73	9.30	26.71	7.83	4.09	0.26	2.99	9.13
		MED	1632	960	34.71	10.17	24.82	7.27	4.48	0.28	3.49	10.64	33.50	9.81	24.57	7.20	4.32	0.27	3.29	10.02	28.15	8.25	22.43	6.57	3.63	0.23	2.44	7.44
		LOW	1122	660	28.25	8.28	19.10	5.60	3.64	0.23	2.46	7.49	25.88	7.58	18.09	5.30	3.34	0.21	2.11	6.45	22.08	6.47	16.51	4.84	2.85	0.18	1.61	4.92
	85°F/67°F	HI	2040	1200	42.95	12.58	37.23	10.91	5.54	0.35	5.02	15.32	38.63	11.32	35.50	10.40	4.98	0.31	4.19	12.78	31.73	9.30	31.59	9.26	4.09	0.26	2.99	9.13
		MED	1632	960	37.12	10.88	30.95	9.07	4.79	0.30	3.92	11.94	33.50	9.81	29.43	8.62	4.32	0.27	3.29	10.02	28.15	8.25	27.28	7.99	3.63	0.23	2.44	7.44
		LOW	1122	660	28.25	8.28	22.44	6.58	3.64	0.23	2.46	7.49	25.88	7.58	21.43	6.28	3.34	0.21	2.11	6.45	22.08	6.47	19.85	5.82	2.85	0.18	1.61	4.92

* Chiller power = Total Cooling Capacity +5%

FVS FAN COIL UNITS

Performance data of F-VS-SD-1200-WD

GPM: Chilled Water Flow Rate, Gallons/Minute
PD: Pressure Drop in feet, water gauge

	Cooling Coil Air Inlet				Entering Water Temperature (°F)																							
					Water in 42°F and outlet 58.2°F								Water in 45°F and outlet 61.2°F								Water in 48°F and outlet 64.2°F							
	DB/WB	Speed	Air Flow Rate		Cooling Capacity				Water Flow rate		Water Pressure drop		Cooling Capacity				Water Flow rate		Water Pressure drop		Cooling Capacity				Water Flow rate		Water Pressure drop	
					Total*		Sensible						Total*		Sensible						Total*		Sensible					
			m^3/h	CFM	(X 1,000 Btu/Hr)	kW	(X 1,000 Btu/Hr)	kW	GPM	L/S	Ft.wg	kPa	(X 1,000 Btu/Hr)	kW	(X 1,000 Btu/Hr)	kW	GPM	L/S	Ft.wg	kPa	(X 1,000 Btu/Hr)	kW	(X 1,000 Btu/Hr)	kW	GPM	L/S	Ft.wg	kPa
F-VS-SD-1200-WD	76°F/63°F	HI	2380	1400	35.00	10.26	31.37	9.19	4.52	0.28	3.54	10.80	29.97	8.78	29.35	8.60	3.87	0.24	2.72	8.28	23.42	6.86	23.34	6.84	3.02	0.19	1.78	5.44
		MED	1904	1120	30.42	8.91	26.12	7.65	3.92	0.25	2.79	8.50	26.39	7.73	24.45	7.16	3.40	0.21	2.19	6.67	20.35	5.96	20.31	5.95	2.62	0.17	1.40	4.27
		LOW	1309	770	25.34	7.43	19.89	5.83	3.27	0.21	2.04	6.22	22.02	6.45	18.45	5.41	2.84	0.18	1.60	4.89	17.87	5.23	16.68	4.89	2.30	0.15	1.12	3.42
	80°F/63°F	HI	2380	1400	35.00	10.26	34.96	10.24	4.52	0.28	3.54	10.80	29.97	8.78	29.90	8.76	3.87	0.24	2.72	8.28	23.42	6.86	23.32	6.83	3.02	0.19	1.78	5.44
		MED	1904	1120	30.42	8.91	30.38	8.90	3.92	0.25	2.79	8.50	26.39	7.73	26.33	7.72	3.40	0.21	2.19	6.67	20.35	5.96	20.29	5.95	2.62	0.17	1.40	4.27
		LOW	1309	770	25.34	7.43	23.21	6.80	3.27	0.21	2.04	6.22	22.02	6.45	21.77	6.38	2.84	0.18	1.60	4.89	17.87	5.23	17.82	5.22	2.30	0.15	1.12	3.42
	85°F/63°F	HI	2380	1400	35.00	10.26	34.89	10.22	4.52	0.28	3.54	10.80	29.97	8.78	29.90	8.76	3.87	0.24	2.72	8.28	23.42	6.86	23.21	6.80	3.02	0.19	1.78	5.44
		MED	1904	1120	30.42	8.91	30.38	8.90	3.92	0.25	2.79	8.50	26.39	7.73	26.33	7.72	3.40	0.21	2.19	6.67	20.35	5.96	20.21	5.92	2.62	0.17	1.40	4.27
		LOW	1309	770	25.34	7.43	25.32	7.42	3.27	0.21	2.04	6.22	22.02	6.45	22.00	6.45	2.84	0.18	1.60	4.89	17.87	5.23	17.86	5.23	2.30	0.15	1.12	3.42
	76°F/65°F	HI	2380	1400	42.30	12.40	30.87	9.05	5.46	0.34	4.89	14.92	37.52	10.99	28.88	8.46	4.84	0.31	3.99	12.16	29.97	8.78	25.89	7.59	3.87	0.24	2.72	8.28
		MED	1904	1120	36.26	10.62	25.70	7.53	4.68	0.30	3.76	11.47	31.83	9.33	23.86	6.99	4.11	0.26	3.01	9.18	25.58	7.50	21.34	6.25	3.30	0.21	2.07	6.32
		LOW	1309	770	29.78	8.72	19.76	5.79	3.84	0.24	2.69	8.19	26.18	7.67	18.19	5.33	3.38	0.21	2.16	6.57	21.74	6.37	16.34	4.79	2.80	0.18	1.57	4.79
	80°F/65°F	HI	2380	1400	42.30	12.40	36.91	10.81	5.46	0.34	4.89	14.92	37.52	10.99	34.91	10.23	4.84	0.31	3.99	12.16	29.97	8.78	29.90	8.76	3.87	0.24	2.72	8.28
		MED	1904	1120	36.26	10.62	30.53	8.95	4.68	0.30	3.76	11.47	31.83	9.33	28.68	8.40	4.11	0.26	3.01	9.18	25.58	7.50	25.56	7.49	3.30	0.21	2.07	6.32
		LOW	1309	770	29.78	8.72	23.08	6.76	3.84	0.24	2.69	8.19	26.18	7.67	21.51	6.30	3.38	0.21	2.16	6.57	21.74	6.37	19.66	5.76	2.80	0.18	1.57	4.79
	85°F/65°F	HI	2380	1400	42.30	12.40	42.18	12.36	5.46	0.34	4.89	14.92	37.52	10.99	37.46	10.97	4.84	0.31	3.99	12.16	29.97	8.78	29.90	8.76	3.87	0.24	2.72	8.28
		MED	1904	1120	36.26	10.62	36.18	10.60	4.68	0.30	3.76	11.47	31.83	9.33	31.79	9.31	4.11	0.26	3.01	9.18	25.58	7.50	25.56	7.49	3.30	0.21	2.07	6.32
		LOW	1309	770	29.78	8.72	26.98	7.90	3.84	0.24	2.69	8.19	26.18	7.67	25.39	7.44	3.38	0.21	2.16	6.57	21.74	6.37	21.71	6.36	2.80	0.18	1.57	4.79
	76°F/67°F	HI	2380	1400	49.86	14.61	30.22	8.85	6.43	0.41	6.48	19.76	45.07	13.21	28.30	8.29	5.81	0.37	5.46	16.63	37.77	11.07	25.42	7.45	4.87	0.31	4.03	12.30
		MED	1904	1120	42.30	12.40	25.20	7.38	5.46	0.34	4.89	14.92	38.27	11.21	23.52	6.89	4.94	0.31	4.13	12.58	32.03	9.38	21.03	6.16	4.13	0.26	3.04	9.28
		LOW	1309	770	33.93	9.94	19.40	5.69	4.38	0.28	3.36	10.24	31.02	9.09	18.13	5.31	4.00	0.25	2.88	8.79	26.18	7.67	16.11	4.72	3.38	0.21	2.16	6.57
	80°F/67°F	HI	2380	1400	47.59	13.94	34.89	10.22	6.14	0.39	5.99	18.25	45.07	13.21	34.33	10.06	5.81	0.37	5.46	16.63	37.77	11.07	31.44	9.21	4.87	0.31	4.03	12.30
		MED	1904	1120	39.08	11.45	28.33	8.30	5.04	0.32	4.28	13.03	38.27	11.21	28.35	8.31	4.94	0.31	4.13	12.58	32.03	9.38	25.85	7.57	4.13	0.26	3.04	9.28
		LOW	1309	770	33.93	9.94	22.72	6.66	4.38	0.28	3.36	10.24	31.02	9.09	21.45	6.29	4.00	0.25	2.88	8.79	26.18	7.67	19.43	5.69	3.38	0.21	2.16	6.57
	85°F/67°F	HI	2380	1400	49.86	14.61	43.33	12.70	6.43	0.41	6.48	19.76	45.07	13.21	41.42	12.14	5.81	0.37	5.46	16.63	37.77	11.07	37.67	11.04	4.87	0.31	4.03	12.30
		MED	1904	1120	42.30	12.40	35.69	10.46	0.28	0.34	45.50	14.92	38.27	11.21	34.01	9.97	0.25	0.31	38.35	12.58	32.03	9.38	31.52	9.23	0.21	0.26	28.29	9.28
		LOW	1309	770	33.93	9.94	26.62	7.80	0.23	0.28	31.22	10.24	31.02	9.09	25.35	7.43	0.21	0.25	26.79	8.79	26.18	7.67	23.33	6.83	0.17	0.21	20.04	6.57

* Chiller power = Total Cooling Capacity +5%

FVS FAN COIL UNITS

Air Flow

Model	Speed	External static pressure (in. Wg)							
		0		0.1		0.2		0.3	
		m³/h	CFM	m³/h	CFM	m³/h	CFM	m³/h	CFM
F-VS-SD-400-WD	H	1083	637	976	574	862	507	700	412
	M	895	526	793	466	680	400	551	324
	L	698	411	571	336	463	272	354	208
F-VS-SD-600-WD	H	1765	1038	1563	919	1361	801	1121	659
	M	1464	861	1283	755	1088	640	862	507
	L	1122	660	930	547	748	440	526	309
F-VS-SD-800-WD	H	2149	1264	1948	1146	1717	1010	1399	823
	M	1839	1082	1647	969	1360	800	1157	681
	L	1351	795	1132	666	934	549	740	435
F-VS-SD-1000-WD	H	2424	1426	2214	1302	2016	1186	1789	1052
	M	2012	1184	1814	1067	1632	960	1402	825
	L	1493	878	1253	737	1105	650	889	523
F-VS-SD-1200-WD	H	2800	1647	2590	1524	2377	1398	2132	1254
	M	2321	1365	2096	1233	1904	1120	1620	953
	L	1784	1049	1532	901	1318	775	1081	636

FVS FAN COIL UNITS

Air Flow

Model	Speed	External static pressure (in. Wg)							
		Current (Amps)				Input Power (Watt)			
		0	0.1	0.2	0.3	0	0.1	0.2	0.3
F-VS-SD-400-WD	H	1x0.52	1x0.50	1x0.48	1x0.42	1x119.7	1x114.2	1x108.8	1x96.48
	M	1x0.46	1x0.44	1x0.41	1x0.37	1x110.0	1x105.3	1x92.5	1x88.3
	L	1x0.39	1x0.38	1x0.36	1x0.31	1x97.7	1x93.3	1x89.1	1x77.0
F-VS-SD-600-WD	H	2x0.83	2x0.80	2x0.78	2x0.72	2x184.3	2x176.8	2x171.8	2x158.7
	M	2x0.74	2x0.71	2x0.69	2x0.63	2x161.0	2x154.3	2x148.3	2x133.6
	L	2x0.64	2x0.62	2x0.59	2x0.54	2x137.3	2x135.1	2x122.9	2x109.6
F-VS-SD-800-WD	H	2x1.05	2x1.01	2x0.95	2x0.84	2x236.4	2x226.2	2x214.0	2x188.9
	M	2x0.94	2x0.90	2x0.81	2x0.75	2x230.6	2x221.1	2x185.9	2x185.0
	L	2x0.79	2x0.75	2x0.71	2x0.62	2x193.4	2x184.5	2x174.6	2x155.6
F-VS-SD-1000-WD	H	2x1.60	2x1.56	2x1.49	2x1.42	2x352.3	2x343.3	2x327.4	2x307.5
	M	2x1.39	2x1.37	2x1.29	2x1.22	2x326.3	2x320.9	2x292.7	2x284.2
	L	2x1.17	2x1.14	2x1.08	2x1.00	2x268.5	2x262.2	2x247.0	2x228.8
F-VS-SD-1200-WD	H	2x1.59	2x1.55	2x1.49	2x1.41	2x351.8	2x342.4	2x330.2	2x311.2
	M	2x1.37	2x1.34	2x1.30	2x1.20	2x214.7	2x309.2	2x300.1	2x276.3
	L	2x1.17	2x1.14	2x1.09	2x1.01	2x272.3	2x265.5	2x254.1	2x233.8

FVS FAN COIL UNITS

Sound Pressure Level (SPL)

SPL at 1 m from the FCU in open field adjusted to A-scale.
Unit operating conditions are the following:
Air on coil DBT 80°F / WBT 67°F, water at 41.9°F / 58.1°F (5.5°C / 14.5°C)

Model	ESP in.wg	Speed	Freq [Hz]								
			63	125	250	500	1000	2000	4000	8000	SPL
			dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)
F-VS-SD-400-WD	0	H	12.3	16.3	30.8	34.5	38.7	35.7	27.4	18.7	47.6
		M	7.5	13.3	25.3	30.6	33.7	28.1	19.4	15.0	42.1
		L	4.9	7.0	20.5	23.0	27.0	18.3	13.3	14.5	36.3
	0.2	H	11.7	19.4	34.7	37.2	40.7	35.2	29.0	23.9	48.3
		M	13.1	15.2	32.0	34.6	36.9	31.9	26.0	34.6	44.0
		L	9.4	13.4	29.4	34.8	33.6	27.7	22.3	33.8	41.9
F-VS-SD-600-WD	0	H	13.9	22.7	35.9	41.0	42.7	39.4	32.7	21.7	49.9
		M	11.1	17.1	31.8	36.5	38.2	34.1	26.0	17.4	45.3
		L	7.5	11.8	25.1	29.7	31.0	24.9	16.3	16.9	41.1
	0.2	H	13.4	20.8	36.5	38.8	41.4	37.6	31.8	24.9	49.6
		M	13.8	20.2	36.5	37.9	39.6	34.1	26.0	24.6	45.6
		L	11.4	15.8	33.1	35.8	36.4	30.1	21.6	24.2	43.3
F-VS-SD-800-WD	0	H	11.5	19.2	35.5	38.3	41.4	38.8	28.9	20.1	50.3
		M	7.9	12.6	28.3	33.5	35.0	31.8	20.5	17.4	44.4
		L	5.3	9.0	23.0	27.0	27.9	21.6	13.9	17.3	38.1
	0.2	H	13.6	21.4	37.0	40.9	43.4	38.5	32.5	22.1	51.4
		M	12.6	19.2	34.8	38.4	39.8	35.6	29.4	23.4	46.2
		L	11.1	16.0	32.8	35.2	36.2	31.0	24.6	22.7	43.2
F-VS-SD-1000-WD	0	H	13.8	21.5	38.5	36.9	40.4	35.5	31.4	22.7	50.1
		M	9.5	14.2	29.3	32.8	33.9	29.0	23.6	18.9	43.4
		L	9.7	10.0	24.1	25.9	26.6	19.9	15.9	17.2	38.3
	0.2	H	15.8	24.0	39.4	40.0	41.6	39.9	33.1	24.3	51.7
		M	12.8	21.4	35.2	36.3	37.1	36.3	31.2	23.7	45.6
		L	9.5	16.1	34.6	32.5	33.8	31.6	29.1	19.9	41.8
F-VS-SD-1200-WD	0	H	16.8	23.1	38.9	41.3	44.4	39.9	35.8	25.5	52.0
		M	10.3	18.4	34.4	36.6	38.5	35.8	29.1	24.2	48.5
		L	8.0	9.9	26.7	35.4	29.6	24.8	18.8	17.0	42.1
	0.2	H	18.2	25.4	42.3	41.9	43.0	42.0	35.9	25.5	52.8
		M	12.5	22.0	37.3	37.8	39.2	37.9	32.4	22.6	47.3
		L	10.8	16.0	32.5	34.4	34.1	32.2	26.2	21.6	43.0

FVS FAN COIL UNITS

WS - Product family and general technical specification

Rated parameters		Units	Speed	F-VS-SD-400-WS	F-VS-SD-600-WS	F-VS-SD-800-WS	F-VS-SD-1000-WS	F-VS-SD-1200-WS
Cooling Capacity at DBT 80°F / WBT 67°F water at (7.2°C / 12.2°C) (45°F / 54°F)	Total	[BTU/hr]	High Speed	19.25	32.09	39.39	48.78	55.15
	Sensible	[BTU/hr]	High Speed	13.58	22.18	27.51	33.50	38.56
Cooling Capacity at DBT 76°F / WBT 63°F water at (7.2°C / 12.2°C) (45°F / 54°F)	Total	[BTU/hr]	High Speed	13.89	22.88	29.50	35.40	39.79
	Sensible	[BTU/hr]	High Speed	11.80	19.19	24.36	29.23	33.31
Cooling Capacity at DBT 80°F / WBT 67°F water at (7.2°C / 12.2°C) (45°F / 54°F)	Total	BTU/hr	Medium Speed	16.26	27.17	34.75	40.58	46.33
	Sensible	[BTU/hr]	Medium Speed	11.24	18.47	22.93	27.34	31.69
Cooling Capacity at DBT 76°F / WBT 63°F water at (7.2°C / 12.2°C) (45°F / 54°F)	Total	BTU/hr	Medium Speed	12.52	20.03	24.75	30.74	33.84
	Sensible	[BTU/hr]	Medium Speed	10.04	16.07	19.93	24.46	27.70
Air Flow at 0,2" wg		[CFM]	High Speed	500	800	1000	1200	1400
Air Flow at 0,0 wg		[CFM]	High Speed	637	1038	1264	1426	1647
Noise Level		[dB(A)]	High Speed	47	50	49	50	52
		[dB(A)]	Medium Speed	45	47	46	47	48
		[dB(A)]	Low Speed	42	46	43	42	45
Coil	Type	[-]		Copper pipe and corrugated fin				
	Face Area	[ft^2]		1.68	2.58	3.38	4.17	4.57
	Row	[-]		4	4	4	4	4
	Size	[mm x mm]		780x200	1200x200	1570x200	1550x250	1700x250
	Nominal water flow rate	US GPM	High Speed	4.47	7.45	9.15	11.33	12.81
Fan	Type	[-]		Centrifugal				
	Material	[-]		Galvanized steel				
	Dimensions	[-]		160-200J			180-170J	
	Quantity	[pcs.]		2	3	4	4	4
Fan motor	Power Supply	[W]		230V-1-50Hz				
	Max Power Input	[W]		1x105.2	2x175.2	2x211	2x338.2	2x336.6
	FLA	[A]		0.45	0.76	0.91	1.56	1.49
	Type/Class/IP	[-]		1-PH/B Insulation class/IP20				
	Revolutions	[rpm]	H/M/L	1256/1148/618	1088/1018/963	1148/1065/996	1010/934/572	1015/921/839
	Capacitor	[F]		2.5	2.5+3	2.5+2.5	2.0+2.0	3.0+3.0
	Quantity	[-]		1	2	2	2	2
Drive method		[-]		Direct/Capacitor				
Weight	Unit	[kg]		24	35	43	48	51
	Shipping	[kg]		27	38.5	47	52	56
Unit Dimensions	L	[mm]		1063	1483	1853	1833	1983
	W	[mm]		552	552	552	580	580
	H	[mm]		254	254	254	282	282
Shipping Dimensions	L	[mm]		1073	1493	1863	1843	1993
	W	[mm]		562	562	562	590	590
	H	[mm]		264	264	264	292	292
Connections	Inlet (MPT)	[inch]		R3/4"(DN20)				
	Outlet (MPT)	[inch]		R3/4"(DN20)				
	Drain Pan Inch OD	[inch]		Rc3/4"(DN20)				

FVS FAN COIL UNITS

Performance data of F-VS-SD-400-WS – F-VS-SD-1200-WS

Model	Cooling Coil Air Inlet			Water in 42°F and outlet 51°F				Water in 45°F and outlet 54°F				Water in 48°F and outlet 57°F			
	DB/WB	SPEED	Air Flow Rate	Cooling Capacity		Water Flow rate	Water Pressure drop	Cooling Capacity		Water Flow rate	Water Pressure drop	Cooling Capacity		Water Flow rate	Water Pressure drop
				Total*	Sensible			Total*	Sensible			Total*	Sensible		
			m^3/h	kW	kW	L/S	kPa	kW	kW	L/S	kPa	kW	kW	L/S	kPa
F-VS-SD-400-WS	80.6°F/67.1°F	H	850	6.14	4.17	0.31	24.52	5.64	3.98	0.28	21.20	4.90	3.68	0.25	16.69
		M	680	5.31	3.51	0.27	19.15	4.76	3.29	0.24	15.90	4.22	3.05	0.21	12.90
		L	467	3.97	2.57	0.20	11.65	3.65	2.42	0.18	10.10	3.17	2.22	0.16	7.94
F-VS-SD-600-WS	80.6°F/67.1°F	H	1360	10.29	6.89	0.51	40.44	9.40	6.50	0.47	34.68	7.97	5.93	0.40	26.14
		M	1088	8.90	5.83	0.45	31.61	7.96	5.41	0.40	26.10	6.85	4.92	0.34	20.18
		L	748	6.63	4.23	0.33	19.11	6.08	3.99	0.30	16.45	5.26	3.62	0.26	12.88
F-VS-SD-800-WS	80.6°F/67.1°F	H	1700	12.86	8.62	0.64	33.33	11.54	8.07	0.58	27.71	9.96	7.41	0.50	21.54
		M	1360	10.88	7.16	0.54	25.04	10.18	6.72	0.51	22.37	8.52	6.15	0.43	16.49
		L	935	8.09	5.19	0.40	15.09	7.48	4.92	0.37	13.20	6.46	4.47	0.32	10.29
F-VS-SD-1000-WS	80.6°F/67.1°F	H	2040	15.68	10.47	0.78	37.24	14.29	9.82	0.71	31.78	12.21	8.96	0.61	24.27
		M	1632	13.31	8.70	0.67	28.12	11.89	8.01	0.59	23.20	10.52	7.48	0.53	18.84
		L	1122	9.95	6.34	0.50	17.11	9.11	5.98	0.46	14.73	7.90	5.43	0.39	11.53
F-VS-SD-1200-WS	80.6°F/67.1°F	H	2380	17.85	11.99	0.89	38.01	16.16	11.30	0.81	32.05	13.94	10.38	0.70	24.92
		M	1904	14.87	9.84	0.74	27.82	13.58	9.28	0.68	23.80	11.69	8.48	0.58	18.43
		L	1309	11.61	7.40	0.58	18.21	10.55	6.93	0.53	15.47	9.13	6.30	0.46	12.09

* Chiller power = Total Cooling Capacity +5%

FVS FAN COIL UNITS

Performance data of F-VS-SD-400-WS

GPM: Chilled Water Flow Rate, Gallons/Minute
PD: Pressure Drop in feet, water gauge

F-VS-SD-400-WS	Cooling Coil Air Inlet				Entering Water Temperature (°F)																							
					Water in 42°F and outlet 51°F								Water in 45°F and outlet 54°F								Water in 48°F and outlet 57°F							
					Cooling Capacity				Water Flow rate		Water Pressure drop		Cooling Capacity				Water Flow rate		Water Pressure drop		Cooling Capacity				Water Flow rate		Water Pressure drop	
					Total*		Sensible						Total*		Sensible						Total*		Sensible					
	DB/WB	Speed	Air Flow Rate																									
			m^3/h	CFM	(X 1,000 Btu/Hr)	kW	(X 1,000 Btu/Hr)	kW	GPM	L/S	Ft.wg	kPa	(X 1,000 Btu/Hr)	kW	(X 1,000 Btu/Hr)	kW	GPM	L/S	Ft.wg	kPa	(X 1,000 Btu/Hr)	kW	(X 1,000 Btu/Hr)	kW	GPM	L/S	Ft.wg	kPa
	76°F/63°F	HI	850	500	16.10	4.72	12.74	3.73	3.74	0.24	5.13	15.63	13.89	4.07	11.80	3.46	3.23	0.20	3.99	12.16	11.06	3.24	10.87	3.18	2.57	0.16	2.70	8.23
		MED	680	400	13.45	3.94	10.42	3.05	3.12	0.20	3.77	11.50	12.52	3.67	10.04	2.94	2.91	0.18	3.34	10.17	9.78	2.87	8.84	2.59	2.27	0.14	2.19	6.68
		LOW	467	275	10.58	3.10	7.78	2.28	2.46	0.16	2.51	7.64	9.45	2.77	7.26	2.13	2.19	0.14	2.06	6.29	7.82	2.29	6.54	1.92	1.81	0.11	1.49	4.55
	80°F/63°F	HI	850	500	16.10	4.72	14.89	4.36	3.74	0.24	5.13	15.63	13.89	4.07	13.86	4.06	3.23	0.20	3.99	12.16	11.06	3.24	11.05	3.24	2.57	0.16	2.70	8.23
		MED	680	400	13.45	3.94	12.14	3.56	3.12	0.20	3.77	11.50	12.52	3.67	11.77	3.45	2.91	0.18	3.34	10.17	9.78	2.87	9.74	2.85	2.27	0.14	2.19	6.68
		LOW	467	275	10.58	3.10	8.96	2.63	2.46	0.16	2.51	7.64	9.45	2.77	8.45	2.48	2.19	0.14	2.06	6.29	7.82	2.29	7.73	2.26	1.81	0.11	1.49	4.55
	85°F/63°F	HI	850	500	16.13	4.72	16.11	4.72	3.74	0.24	5.13	15.63	13.89	4.07	13.86	4.06	3.23	0.20	3.99	12.16	11.06	3.24	11.05	3.24	2.57	0.16	2.70	8.23
		MED	680	400	13.45	3.94	13.41	3.93	3.12	0.20	3.77	11.50	12.52	3.67	12.52	3.67	2.91	0.18	3.34	10.17	9.78	2.87	9.74	2.85	2.27	0.14	2.19	6.68
		LOW	467	275	10.58	3.10	10.36	3.03	2.46	0.16	2.51	7.64	9.45	2.77	9.43	2.76	2.19	0.14	2.06	6.29	7.85	2.30	7.83	2.29	1.81	0.11	1.49	4.55
	76°F/65°F	HI	850	500	18.44	5.40	12.46	3.65	4.28	0.27	6.46	19.70	16.19	4.74	11.52	3.38	3.76	0.24	5.18	15.78	13.76	4.03	10.30	3.02	3.20	0.20	3.92	11.95
		MED	680	400	16.12	4.72	10.57	3.10	3.74	0.24	5.14	15.66	14.10	4.13	9.67	2.83	3.27	0.21	4.09	12.47	11.94	3.50	8.77	2.57	2.77	0.17	3.08	9.39
		LOW	467	275	12.02	3.52	7.68	2.25	2.79	0.18	3.11	9.49	10.78	3.16	7.11	2.08	2.50	0.16	2.59	7.88	9.20	2.70	6.44	1.89	2.14	0.13	1.97	6.01
	80°F/65°F	HI	850	500	18.44	5.40	14.61	4.28	4.28	0.27	6.46	19.70	16.19	4.74	13.63	3.99	3.76	0.24	5.18	15.78	13.76	4.03	12.65	3.71	3.20	0.20	3.92	11.95
		MED	680	400	16.12	4.72	12.29	3.60	3.74	0.24	5.14	15.66	14.10	4.13	11.39	3.34	3.27	0.21	4.09	12.47	11.94	3.50	10.49	3.07	2.77	0.17	3.08	9.39
		LOW	467	275	12.02	3.52	8.86	2.60	2.79	0.18	3.11	9.49	10.78	3.16	8.30	2.43	2.50	0.16	2.59	7.88	9.20	2.70	7.63	2.23	2.14	0.13	1.97	6.01
	85°F/65°F	HI	850	500	18.44	5.40	17.14	5.02	4.28	0.27	6.46	19.70	16.19	4.74	16.16	4.73	3.76	0.24	5.18	15.78	13.79	4.04	13.77	4.03	3.20	0.20	3.92	11.95
		MED	680	400	16.12	4.72	14.31	4.19	3.74	0.24	5.14	15.66	14.10	4.13	13.41	3.93	3.27	0.21	4.09	12.47	11.94	3.50	11.92	3.49	2.77	0.17	3.08	9.39
		LOW	467	275	12.02	3.52	10.25	3.00	2.79	0.18	3.11	9.49	10.78	3.16	9.69	2.84	2.50	0.16	2.59	7.88	9.20	2.70	9.02	2.64	2.14	0.13	1.97	6.01
	76°F/67°F	HI	850	500	20.95	6.14	12.08	3.54	4.87	0.31	8.04	24.52	19.25	5.64	11.43	3.35	4.47	0.28	6.95	21.20	16.73	4.90	10.40	3.05	3.88	0.25	5.47	16.69
		MED	680	400	18.13	5.31	10.27	3.01	4.21	0.27	6.28	19.15	16.26	4.76	9.52	2.79	3.78	0.24	5.21	15.90	14.39	4.22	8.69	2.55	3.34	0.21	4.23	12.90
		LOW	467	275	13.55	3.97	7.57	2.22	3.15	0.20	3.82	11.65	12.46	3.65	7.06	2.07	2.89	0.18	3.31	10.10	10.83	3.17	6.39	1.87	2.52	0.16	2.61	7.94
	80°F/67°F	HI	850	500	20.95	6.14	14.24	4.17	4.87	0.31	8.04	24.52	19.25	5.64	13.58	3.98	4.47	0.28	6.95	21.20	16.73	4.90	12.55	3.68	3.88	0.25	5.47	16.69
		MED	680	400	18.13	5.31	11.99	3.51	4.21	0.27	6.28	19.15	16.26	4.76	11.24	3.29	3.78	0.24	5.21	15.90	14.39	4.22	10.42	3.05	3.34	0.21	4.23	12.90
		LOW	467	275	13.55	3.97	8.76	2.57	3.15	0.20	3.82	11.65	12.46	3.65	8.24	2.42	2.89	0.18	3.31	10.10	10.83	3.17	7.57	2.22	2.52	0.16	2.61	7.94
	85°F/67°F	HI	850	500	20.95	6.14	16.77	4.91	4.87	0.31	8.04	24.52	19.25	5.64	16.11	4.72	4.47	0.28	6.95	21.20	16.73	4.90	15.08	4.42	3.88	0.25	5.47	16.69
		MED	680	400	18.13	5.31	14.01	4.11	4.21	0.27	6.28	19.15	16.26	4.76	13.26	3.89	3.78	0.24	5.21	15.90	14.39	4.22	12.44	3.65	3.34	0.21	4.23	12.90
		LOW	467	275	13.55	3.97	10.15	2.97	3.15	0.20	3.82	11.65	12.46	3.65	9.63	2.82	2.89	0.18	3.31	10.10	10.83	3.17	8.96	2.63	2.52	0.16	2.61	7.94

* Chiller power = Total Cooling Capacity +5%

FVS FAN COIL UNITS

Performance data of F-VS-SD-600-WS

GPM: Chilled Water Flow Rate, Gallons/Minute
PD: Pressure Drop in feet, water gauge

	Cooling Coil Air Inlet				Entering Water Temperature (°F)																							
					Water in 42°F and outlet 51°F								Water in 45°F and outlet 54°F								Water in 48°F and outlet 57°F							
					Cooling Capacity				Water Flow rate		Water Pressure drop		Cooling Capacity				Water Flow rate		Water Pressure drop		Cooling Capacity				Water Flow rate		Water Pressure drop	
					Total*		Sensible						Total*		Sensible						Total*		Sensible					
	DB/WB	Speed	Air Flow Rate																									
			m^3/h	CFM	(X 1,000 Btu/Hr)	kW	(X 1,000 Btu/Hr)	kW	GPM	L/S	Ft.wg	kPa	(X 1,000 Btu/Hr)	kW	(X 1,000 Btu/Hr)	kW	GPM	L/S	Ft.wg	kPa	(X 1,000 Btu/Hr)	kW	(X 1,000 Btu/Hr)	kW	GPM	L/S	Ft.wg	kPa
F-VS-SD-600-WS	76°F/63°F	HI	1360	800	26.19	7.67	20.61	6.04	6.08	0.38	8.04	24.51	22.88	6.70	19.19	5.62	5.31	0.34	6.38	19.46	18.56	5.44	18.14	5.31	4.31	0.27	4.47	13.62
		MED	1088	640	22.56	6.61	17.21	5.04	5.24	0.33	6.23	19.00	20.03	5.87	16.07	4.71	4.65	0.29	5.09	15.51	15.77	4.62	14.27	4.18	3.66	0.23	3.38	10.31
		LOW	748	440	17.33	5.08	12.65	3.71	4.02	0.25	3.97	12.11	15.51	4.54	11.83	3.47	3.60	0.23	3.29	10.02	12.98	3.80	10.72	3.14	3.01	0.19	2.42	7.39
	80°F/63°F	HI	1360	800	26.19	7.67	24.06	7.05	6.08	0.38	8.04	24.51	22.88	6.70	22.63	6.63	5.31	0.34	6.38	19.46	18.56	5.44	18.44	5.40	4.31	0.27	4.47	13.62
		MED	1088	640	22.56	6.61	19.96	5.85	5.24	0.33	6.23	19.00	20.03	5.87	18.83	5.52	4.65	0.29	5.09	15.51	15.77	4.62	15.71	4.60	3.66	0.23	3.38	10.31
		LOW	748	440	17.33	5.08	14.55	4.26	4.02	0.25	3.97	12.11	15.51	4.54	13.73	4.02	3.60	0.23	3.29	10.02	12.98	3.80	12.61	3.70	3.01	0.19	2.42	7.39
	85°F/63°F	HI	1360	800	26.19	7.67	26.08	7.64	6.08	0.38	8.04	24.51	22.88	6.70	22.78	6.68	5.31	0.34	6.38	19.46	18.56	5.44	18.51	5.42	4.31	0.27	4.47	13.62
		MED	1088	640	22.56	6.61	22.54	6.60	5.24	0.33	6.23	19.00	20.03	5.87	20.02	5.87	4.65	0.29	5.09	15.51	15.77	4.62	15.71	4.60	3.66	0.23	3.38	10.31
		LOW	748	440	17.33	5.08	16.78	4.92	4.02	0.25	3.97	12.11	15.51	4.54	15.50	4.54	3.60	0.23	3.29	10.02	12.98	3.80	12.94	3.79	3.01	0.19	2.42	7.39
	76°F/65°F	HI	1360	800	28.78	8.43	19.63	5.75	6.68	0.42	9.45	28.80	27.34	8.01	18.96	5.56	6.35	0.40	8.65	26.38	22.59	6.62	16.94	4.96	5.25	0.33	6.25	19.05
		MED	1088	640	25.32	7.42	16.67	4.88	5.88	0.37	7.59	23.15	23.48	6.88	15.83	4.64	5.45	0.34	6.67	20.35	19.57	5.73	14.15	4.15	4.54	0.29	4.89	14.90
		LOW	748	440	19.63	5.75	12.49	3.66	4.56	0.29	4.91	14.98	18.04	5.29	11.75	3.44	4.19	0.26	4.26	12.97	15.27	4.48	10.55	3.09	3.55	0.22	3.20	9.76
	80°F/65°F	HI	1360	800	28.78	8.43	23.08	6.76	6.68	0.42	9.45	28.80	27.34	8.01	22.41	6.57	6.35	0.40	8.65	26.38	22.59	6.62	20.38	5.97	5.25	0.33	6.25	19.05
		MED	1088	640	25.32	7.42	19.42	5.69	5.88	0.37	7.59	23.15	23.48	6.88	18.59	5.45	5.45	0.34	6.67	20.35	19.57	5.73	16.91	4.95	4.54	0.29	4.89	14.90
		LOW	748	440	19.63	5.75	14.39	4.21	4.56	0.29	4.91	14.98	18.04	5.29	13.64	4.00	4.19	0.26	4.26	12.97	15.27	4.48	12.45	3.65	3.55	0.22	3.20	9.76
	85°F/65°F	HI	1360	800	28.78	8.43	27.13	7.95	6.68	0.42	9.45	28.80	27.34	8.01	26.45	7.75	6.35	0.40	8.65	26.38	22.59	6.62	22.48	6.59	5.25	0.33	6.25	19.05
		MED	1088	640	25.32	7.42	22.66	6.64	5.88	0.37	7.59	23.15	23.48	6.88	21.82	6.39	5.45	0.34	6.67	20.35	19.57	5.73	19.54	5.73	4.54	0.29	4.89	14.90
		LOW	748	440	19.63	5.75	16.61	4.87	4.56	0.29	4.91	14.98	18.04	5.29	15.87	4.65	4.19	0.26	4.26	12.97	15.27	4.48	14.67	4.30	3.55	0.22	3.20	9.76
	76°F/67°F	HI	1360	800	35.11	10.29	20.08	5.88	8.15	0.51	13.27	40.44	32.09	9.40	18.74	5.49	7.45	0.47	11.38	34.68	27.20	7.97	16.79	4.92	6.31	0.40	8.58	26.14
		MED	1088	640	30.39	8.90	17.15	5.02	7.06	0.45	10.37	31.61	27.17	7.96	15.71	4.60	6.31	0.40	8.56	26.10	23.37	6.85	14.03	4.11	5.43	0.34	6.62	20.18
		LOW	748	440	22.63	6.63	12.53	3.67	5.26	0.33	6.27	19.11	20.73	6.08	11.71	3.43	4.81	0.30	5.40	16.45	17.96	5.26	10.47	3.07	4.17	0.26	4.22	12.88
	80°F/67°F	HI	1360	800	35.11	10.29	23.53	6.89	8.15	0.51	13.27	40.44	32.09	9.40	22.18	6.50	7.45	0.47	11.38	34.68	27.20	7.97	20.23	5.93	6.31	0.40	8.58	26.14
		MED	1088	640	30.39	8.90	19.90	5.83	7.06	0.45	10.37	31.61	27.17	7.96	18.47	5.41	6.31	0.40	8.56	26.10	23.37	6.85	16.79	4.92	5.43	0.34	6.62	20.18
		LOW	748	440	22.63	6.63	14.43	4.23	5.26	0.33	6.27	19.11	20.73	6.08	13.60	3.99	4.81	0.30	5.40	16.45	17.96	5.26	12.37	3.62	4.17	0.26	4.22	12.88
	85°F/67°F	HI	1360	800	35.11	10.29	27.58	8.08	8.15	0.51	13.27	40.44	32.09	9.40	26.23	7.69	7.45	0.47	11.38	34.68	27.20	7.97	24.28	7.11	6.31	0.40	8.58	26.14
		MED	1088	640	30.39	8.90	23.14	6.78	7.06	0.45	10.37	31.61	27.17	7.96	21.70	6.36	6.31	0.40	8.56	26.10	23.37	6.85	20.02	5.87	5.43	0.34	6.62	20.18
		LOW	748	440	22.63	6.63	16.65	4.88	5.26	0.33	6.27	19.11	20.73	6.08	15.83	4.64	4.81	0.30	5.40	16.45	17.96	5.26	14.59	4.28	4.17	0.26	4.22	12.88

* Chiller power = Total Cooling Capacity +5%

FVS FAN COIL UNITS

Performance data of F-VS-SD-800-WS

GPM: Chilled Water Flow Rate, Gallons/Minute
PD: Pressure Drop in feet, water gauge

	Cooling Coil Air Inlet				Entering Water Temperature (°F)																					
					Water in 42°F and outlet 51°F								Water in 45°F and outlet 54°F								Water in 48 dig°F and outlet 57°F							
					Cooling Capacity				Water Flow rate		Water Pressure drop		Cooling Capacity				Water Flow rate		Water Pressure drop		Cooling Capacity				Water Flow rate		Water Pressure drop	
					Total*		Sensible						Total*		Sensible						Total*		Sensible					
	DB/WB	Speed	Air Flow Rate																									
			m^3/h	CFM	(X 1,000 Btu/Hr)	kW	(X 1,000 Btu/Hr)	kW	GPM	L/S	Ft.wg	kPa	(X 1,000 Btu/Hr)	kW	(X 1,000 Btu/Hr)	kW	GPM	L/S	Ft.wg	kPa	(X 1,000 Btu/Hr)	kW	(X 1,000 Btu/Hr)	kW	GPM	L/S	Ft.wg	kPa
F-VS-SD-800-WS	76°F/63°F	HI	1700	1000	33.09	9.70	25.85	7.58	7.68	0.48	6.75	20.58	29.50	8.64	24.36	7.14	6.85	0.43	5.55	16.91	23.20	6.80	22.30	6.53	5.39	0.34	3.68	11.22
		MED	1360	800	28.49	8.35	21.58	6.32	6.62	0.42	5.23	15.93	24.75	7.25	19.93	5.84	5.75	0.36	4.11	12.53	20.00	5.86	17.99	5.27	4.64	0.29	2.86	8.71
		LOW	935	550	21.37	6.26	15.66	4.59	4.96	0.31	3.20	9.75	19.39	5.68	14.84	4.35	4.50	0.28	2.71	8.26	15.73	4.61	13.19	3.86	3.65	0.23	1.89	5.78
	80°F/63°F	HI	1700	1000	33.09	9.70	30.16	8.84	7.68	0.48	6.75	20.58	29.50	8.64	28.67	8.40	6.85	0.43	5.55	16.91	23.20	6.80	23.04	6.75	5.39	0.34	3.68	11.22
		MED	1360	800	28.49	8.35	25.03	7.33	6.62	0.42	5.23	15.93	24.75	7.25	23.38	6.85	5.75	0.36	4.11	12.53	20.00	5.86	19.93	5.84	4.64	0.29	2.86	8.71
		LOW	935	550	21.37	6.26	18.03	5.28	4.96	0.31	3.20	9.75	19.39	5.68	17.21	5.04	4.50	0.28	2.71	8.26	15.73	4.61	15.56	4.56	3.65	0.23	1.89	5.78
	85°F/63°F	HI	1700	1000	33.09	9.70	32.97	9.66	7.68	0.48	6.75	20.58	29.50	8.64	29.41	8.62	6.85	0.43	5.55	16.91	23.20	6.80	23.04	6.75	5.39	0.34	3.68	11.22
		MED	1360	800	28.49	8.35	28.48	8.34	6.62	0.42	5.23	15.93	24.75	7.25	24.73	7.25	5.75	0.36	4.11	12.53	20.00	5.86	19.93	5.84	4.64	0.29	2.86	8.71
		LOW	935	550	21.37	6.26	20.82	6.10	4.96	0.31	3.20	9.75	19.39	5.68	19.37	5.68	4.50	0.28	2.71	8.26	15.73	4.61	15.66	4.59	3.65	0.23	1.89	5.78
	76°F/65°F	HI	1700	1000	38.31	11.23	25.48	7.47	8.90	0.56	8.67	26.42	34.17	10.01	23.61	6.92	7.94	0.50	7.13	21.74	25.72	7.54	20.23	5.93	5.97	0.38	4.39	13.38
		MED	1360	800	32.66	9.57	21.28	6.24	7.58	0.48	6.60	20.12	29.07	8.52	19.78	5.80	6.75	0.43	5.41	16.49	22.45	6.58	16.94	4.96	5.21	0.33	3.48	10.60
		LOW	935	550	24.73	7.25	15.66	4.59	5.74	0.36	4.10	12.51	22.16	6.49	14.53	4.26	5.15	0.32	3.40	10.37	17.11	5.01	12.67	3.71	3.97	0.25	2.19	6.67
	80°F/65°F	HI	1700	1000	38.31	11.23	29.79	8.73	8.90	0.56	8.67	26.42	34.17	10.01	27.92	8.18	7.94	0.50	7.13	21.74	25.72	7.54	24.54	7.19	5.97	0.38	4.39	13.38
		MED	1360	800	32.66	9.57	24.73	7.25	7.58	0.48	6.60	20.12	29.07	8.52	23.23	6.81	6.75	0.43	5.41	16.49	22.45	6.58	20.38	5.97	5.21	0.33	3.48	10.60
		LOW	935	550	24.73	7.25	18.03	5.28	5.74	0.36	4.10	12.51	22.16	6.49	16.90	4.95	5.15	0.32	3.40	10.37	17.11	5.01	15.04	4.41	3.97	0.25	2.19	6.67
	85°F/65°F	HI	1700	1000	38.31	11.23	34.85	10.21	8.90	0.56	8.67	26.42	34.17	10.01	32.97	9.66	7.94	0.50	7.13	21.74	25.72	7.54	25.48	7.47	5.97	0.38	4.39	13.38
		MED	1360	800	32.66	9.57	28.78	8.43	7.58	0.48	6.60	20.12	29.07	8.52	27.28	7.99	6.75	0.43	5.41	16.49	22.45	6.58	22.33	6.54	5.21	0.33	3.48	10.60
		LOW	935	550	24.73	7.25	20.82	6.10	5.74	0.36	4.10	12.51	22.16	6.49	19.68	5.77	5.15	0.32	3.40	10.37	17.11	5.01	17.11	5.01	3.97	0.25	2.19	6.67
	76°F/67°F	HI	1700	1000	43.89	12.86	25.11	7.36	10.19	0.64	10.93	33.33	39.39	11.54	23.23	6.81	9.15	0.58	9.09	27.71	33.99	9.96	20.98	6.15	7.89	0.50	7.07	21.54
		MED	1360	800	37.12	10.88	20.98	6.15	8.62	0.54	8.21	25.04	33.81	9.91	19.48	5.71	7.85	0.50	7.00	21.35	29.07	8.52	17.54	5.14	6.75	0.43	5.41	16.49
		LOW	935	550	27.60	8.09	15.35	4.50	6.41	0.40	4.95	15.09	25.52	7.48	14.43	4.23	5.93	0.37	4.33	13.20	22.06	6.46	12.88	3.77	5.12	0.32	3.38	10.29
	80°F/67°F	HI	1700	1000	43.89	12.86	29.41	8.62	10.19	0.64	10.93	33.33	39.39	11.54	27.54	8.07	9.15	0.58	9.09	27.71	33.99	9.96	25.29	7.41	7.89	0.50	7.07	21.54
		MED	1360	800	37.12	10.88	24.43	7.16	8.62	0.54	8.21	25.04	34.75	10.18	22.93	6.72	8.07	0.51	7.34	22.37	29.07	8.52	20.98	6.15	6.75	0.43	5.41	16.49
		LOW	935	550	27.60	8.09	17.72	5.19	6.41	0.40	4.95	15.09	25.52	7.48	16.80	4.92	5.93	0.37	4.33	13.20	22.06	6.46	15.25	4.47	5.12	0.32	3.38	10.29
	85°F/67°F	HI	1700	1000	43.89	12.86	34.47	10.10	10.19	0.64	10.93	33.33	39.39	11.54	32.60	9.55	9.15	0.58	9.09	27.71	33.99	9.96	30.35	8.89	7.89	0.50	7.07	21.54
		MED	1360	800	37.12	10.88	28.48	8.34	8.62	0.54	8.21	25.04	33.81	9.91	26.98	7.90	7.85	0.50	7.00	21.35	29.07	8.52	25.03	7.33	6.75	0.43	5.41	16.49
		LOW	935	550	27.60	8.09	20.51	6.01	6.41	0.40	4.95	15.09	25.52	7.48	19.58	5.74	5.93	0.37	4.33	13.20	22.06	6.46	18.03	5.28	5.12	0.32	3.38	10.29

* Chiller power = Total Cooling Capacity +5%

FVS FAN COIL UNITS

Performance data of F-VS-SD-1000-WS

GPM: Chilled Water Flow Rate, Gallons/Minute
PD: Pressure Drop in feet, water gauge

	Cooling Coil Air Inlet				Entering Water Temperature (°F)																							
					Water in 42°F and outlet 51°F								Water in 45°F and outlet 54°F								Water in 48°F and outlet 57°F							
					Cooling Capacity				Water Flow rate		Water Pressure drop		Cooling Capacity				Water Flow rate		Water Pressure drop		Cooling Capacity				Water Flow rate		Water Pressure drop	
					Total*		Sensible						Total*		Sensible						Total*		Sensible					
	DB/WB	Speed	Air Flow Rate																									
			m^3/h	CFM	(X 1,000 Btu/Hr)	kW	(X 1,000 Btu/Hr)	kW	GPM	L/S	Ft.wg	kPa	(X 1,000 Btu/Hr)	kW	(X 1,000 Btu/Hr)	kW	GPM	L/S	Ft.wg	kPa	(X 1,000 Btu/Hr)	kW	(X 1,000 Btu/Hr)	kW	GPM	L/S	Ft.wg	kPa
F-VS-SD-1000-WS	76°F/63°F	HI	2040	1200	40.36	11.83	31.48	9.22	9.37	0.59	7.54	22.99	35.40	10.37	29.23	8.56	8.22	0.52	6.03	18.38	28.49	8.35	27.88	8.17	6.62	0.42	4.16	12.68
		MED	1632	960	34.19	10.02	25.90	7.59	7.94	0.50	5.68	17.32	30.74	9.01	24.46	7.17	7.14	0.45	4.74	14.44	25.04	7.34	21.94	6.43	5.81	0.37	3.34	10.17
		LOW	1122	660	26.35	7.72	19.17	5.62	6.12	0.39	3.64	11.10	23.50	6.89	17.81	5.22	5.46	0.34	3.00	9.13	19.23	5.63	15.95	4.67	4.47	0.28	2.13	6.48
	80°F/63°F	HI	2040	1200	40.36	11.83	36.65	10.74	9.37	0.59	7.54	22.99	35.40	10.37	34.40	10.08	8.22	0.52	6.03	18.38	28.49	8.35	28.33	8.30	6.62	0.42	4.16	12.68
		MED	1632	960	34.19	10.02	30.04	8.80	7.94	0.50	5.68	17.32	30.74	9.01	28.60	8.38	7.14	0.45	4.74	14.44	25.04	7.34	25.00	7.33	5.81	0.37	3.34	10.17
		LOW	1122	660	26.35	7.72	22.01	6.45	6.12	0.39	3.64	11.10	23.50	6.89	20.65	6.05	5.46	0.34	3.00	9.13	19.23	5.63	18.80	5.51	4.47	0.28	2.13	6.48
	85°F/63°F	HI	2040	1200	40.36	11.83	40.24	11.79	9.37	0.59	7.54	22.99	35.40	10.37	35.30	10.34	8.22	0.52	6.03	18.38	28.49	8.35	28.33	8.30	6.62	0.42	4.16	12.68
		MED	1632	960	34.19	10.02	34.17	10.01	7.94	0.50	5.68	17.32	30.74	9.01	30.67	8.99	7.14	0.45	4.74	14.44	25.04	7.34	25.00	7.33	5.81	0.37	3.34	10.17
		LOW	1122	660	26.35	7.72	25.35	7.43	6.12	0.39	3.64	11.10	23.50	6.89	23.43	6.87	5.46	0.34	3.00	9.13	19.23	5.63	19.17	5.62	4.47	0.28	2.13	6.48
	76°F/65°F	HI	2040	1200	46.62	13.66	30.80	9.02	10.83	0.68	9.65	29.41	41.87	12.27	28.78	8.43	9.72	0.61	8.03	24.48	35.18	10.31	25.85	7.58	8.17	0.52	5.96	18.19
		MED	1632	960	40.23	11.79	26.08	7.64	9.34	0.59	7.50	22.87	35.40	10.37	23.74	6.96	8.22	0.52	6.03	18.38	30.56	8.95	21.76	6.38	7.10	0.45	4.69	14.30
		LOW	1122	660	30.15	8.83	19.04	5.58	7.00	0.44	4.58	13.97	27.30	8.00	17.81	5.22	6.34	0.40	3.87	11.79	23.03	6.75	15.83	4.64	5.35	0.34	2.89	8.82
	80°F/65°F	HI	2040	1200	46.62	13.66	35.97	10.54	10.83	0.68	9.65	29.41	41.87	12.27	33.95	9.95	9.72	0.61	8.03	24.48	35.18	10.31	31.03	9.09	8.17	0.52	5.96	18.19
		MED	1632	960	40.23	11.79	30.22	8.85	9.34	0.59	7.50	22.87	35.40	10.37	27.88	8.17	8.22	0.52	6.03	18.38	30.56	8.95	25.90	7.59	7.10	0.45	4.69	14.30
		LOW	1122	660	30.15	8.83	21.89	6.41	7.00	0.44	4.58	13.97	27.30	8.00	20.65	6.05	6.34	0.40	3.87	11.79	23.03	6.75	18.67	5.47	5.35	0.34	2.89	8.82
	85°F/65°F	HI	2040	1200	46.62	13.66	42.04	12.32	10.83	0.68	9.65	29.41	41.87	12.27	40.02	11.73	9.72	0.61	8.03	24.48	35.18	10.31	35.07	10.28	8.17	0.52	5.96	18.19
		MED	1632	960	40.23	11.79	35.07	10.28	9.34	0.59	7.50	22.87	35.40	10.37	32.73	9.59	8.22	0.52	6.03	18.38	30.56	8.95	30.40	8.91	7.10	0.45	4.69	14.30
		LOW	1122	660	30.15	8.83	25.23	7.39	7.00	0.44	4.58	13.97	27.30	8.00	23.99	7.03	6.34	0.40	3.87	11.79	23.03	6.75	22.01	6.45	5.35	0.34	2.89	8.82
	76°F/67°F	HI	2040	1200	53.53	15.68	30.58	8.96	12.43	0.78	12.22	37.24	48.78	14.29	28.33	8.30	11.33	0.71	10.42	31.78	41.66	12.21	25.41	7.44	9.67	0.61	7.96	24.27
		MED	1632	960	45.41	13.31	25.54	7.48	10.54	0.67	9.22	28.12	41.27	12.09	23.74	6.96	9.58	0.60	7.83	23.88	35.92	10.52	21.40	6.27	8.34	0.53	6.18	18.84
		LOW	1122	660	33.95	9.95	18.80	5.51	7.88	0.50	5.61	17.11	31.10	9.11	17.56	5.14	7.22	0.46	4.83	14.73	26.95	7.90	15.70	4.60	6.26	0.39	3.78	11.53
	80°F/67°F	HI	2040	1200	53.53	15.68	35.75	10.47	12.43	0.78	12.22	37.24	48.78	14.29	33.50	9.82	11.33	0.71	10.42	31.78	41.66	12.21	30.58	8.96	9.67	0.61	7.96	24.27
		MED	1632	960	45.41	13.31	29.68	8.70	10.54	0.67	9.22	28.12	40.58	11.89	27.34	8.01	9.42	0.59	7.61	23.20	35.92	10.52	25.54	7.48	8.34	0.53	6.18	18.84
		LOW	1122	660	33.95	9.95	21.64	6.34	7.88	0.50	5.61	17.11	31.10	9.11	20.40	5.98	7.22	0.46	4.83	14.73	26.95	7.90	18.55	5.43	6.26	0.39	3.78	11.53
	85°F/67°F	HI	2040	1200	53.53	15.68	41.82	12.25	12.43	0.78	12.22	37.24	48.78	14.29	39.57	11.59	11.33	0.71	10.42	31.78	41.66	12.21	36.65	10.74	9.67	0.61	7.96	24.27
		MED	1632	960	45.41	13.31	34.53	10.12	10.54	0.67	9.22	28.12	41.27	12.09	32.73	9.59	9.58	0.60	7.83	23.88	35.92	10.52	30.40	8.91	8.34	0.53	6.18	18.84
		LOW	1122	660	33.95	9.95	24.98	7.32	7.88	0.50	5.61	17.11	31.10	9.11	23.74	6.96	7.22	0.46	4.83	14.73	26.95	7.90	21.89	6.41	6.26	0.39	3.78	11.53

* Chiller power = Total Cooling Capacity +5%

FVS FAN COIL UNITS

Performance data of F-VS-SD-1200-WS

GPM: Chilled Water Flow Rate, Gallons/Minute
PD: Pressure Drop in feet, water gauge

	Cooling Coil Air Inlet				Entering Water Temperature (°F)																					
					Water in 42°F and outlet 51°F								Water in 45°F and outlet 54°F								Water in 48°F and outlet 57°F							
			Air Flow Rate		Cooling Capacity				Water Flow rate		Water Pressure drop		Cooling Capacity				Water Flow rate		Water Pressure drop		Cooling Capacity				Water Flow rate		Water Pressure drop	
					Total*		Sensible						Total*		Sensible						Total*		Sensible					
	DB/WB	Speed	m^3/h	CFM	(X 1,000 Btu/Hr)	kW	(X 1,000 Btu/Hr)	kW	GPM	L/S	Ft.wg	kPa	(X 1,000 Btu/Hr)	kW	(X 1,000 Btu/Hr)	kW	GPM	L/S	Ft.wg	kPa	(X 1,000 Btu/Hr)	kW	(X 1,000 Btu/Hr)	kW	GPM	L/S	Ft.wg	kPa
F-VS-SD-1200-WS	76°F/63°F	HI	2380	1400	45.83	13.43	35.93	10.53	10.64	0.67	7.66	23.36	39.79	11.66	33.31	9.76	9.24	0.58	6.02	18.35	31.73	9.30	30.43	8.91	7.37	0.46	4.09	12.47
		MED	1904	1120	38.68	11.33	29.80	8.73	8.98	0.57	5.73	17.48	33.84	9.92	27.70	8.12	7.86	0.50	4.57	13.92	27.40	8.03	24.97	7.32	6.36	0.40	3.18	9.70
		LOW	1309	770	30.33	8.89	22.22	6.51	7.04	0.44	3.79	11.54	27.14	7.95	20.77	6.09	6.30	0.40	3.13	9.55	22.16	6.49	18.47	5.41	5.15	0.32	2.21	6.75
	80°F/63°F	HI	2380	1400	45.83	13.43	41.97	12.30	10.64	0.67	7.66	23.36	39.79	11.66	39.34	11.53	9.24	0.58	6.02	18.35	31.76	9.30	31.74	9.30	7.37	0.46	4.09	12.47
		MED	1904	1120	38.68	11.33	34.62	10.14	8.98	0.57	5.73	17.48	33.84	9.92	32.52	9.53	7.86	0.50	4.57	13.92	27.40	8.03	27.28	7.99	6.36	0.40	3.18	9.70
		LOW	1309	770	30.33	8.89	25.53	7.48	7.04	0.44	3.79	11.54	27.14	7.95	24.09	7.06	6.30	0.40	3.13	9.55	22.16	6.49	21.78	6.38	5.15	0.32	2.21	6.75
	85°F/63°F	HI	2380	1400	45.83	13.43	45.64	13.37	10.64	0.67	7.66	23.36	39.79	11.66	39.61	11.60	9.24	0.58	6.02	18.35	31.76	9.30	31.74	9.30	7.37	0.46	4.09	12.47
		MED	1904	1120	38.68	11.33	38.61	11.31	8.98	0.57	5.73	17.48	33.84	9.92	33.78	9.90	7.86	0.50	4.57	13.92	27.40	8.03	27.28	7.99	6.36	0.40	3.18	9.70
		LOW	1309	770	30.33	8.89	29.43	8.62	7.04	0.44	3.79	11.54	27.14	7.95	27.12	7.95	6.30	0.40	3.13	9.55	22.16	6.49	22.07	6.47	5.15	0.32	2.21	6.75
	76°F/65°F	HI	2380	1400	54.39	15.94	35.93	10.53	12.63	0.80	10.27	31.30	47.59	13.94	33.05	9.68	11.05	0.70	8.17	24.92	39.28	11.51	29.64	8.68	9.12	0.58	5.89	17.95
		MED	1904	1120	44.72	13.10	29.38	8.61	10.38	0.66	7.35	22.40	40.09	11.75	27.28	7.99	9.31	0.59	6.10	18.59	33.04	9.68	24.34	7.13	7.67	0.48	4.38	13.36
		LOW	1309	770	34.76	10.19	22.07	6.47	8.07	0.51	4.78	14.57	31.72	9.29	20.63	6.04	7.36	0.46	4.09	12.46	26.59	7.79	18.32	5.37	6.17	0.39	3.02	9.22
	80°F/65°F	HI	2380	1400	54.39	15.94	41.97	12.30	12.63	0.80	10.27	31.30	47.59	13.94	39.08	11.45	11.05	0.70	8.17	24.92	39.28	11.51	35.67	10.45	9.12	0.58	5.89	17.95
		MED	1904	1120	44.72	13.10	34.20	10.02	10.38	0.66	7.35	22.40	40.09	11.75	32.10	9.41	9.31	0.59	6.10	18.59	33.04	9.68	29.17	8.55	7.67	0.48	4.38	13.36
		LOW	1309	770	34.76	10.19	25.39	7.44	8.07	0.51	4.78	14.57	31.72	9.29	23.95	7.02	7.36	0.46	4.09	12.46	26.59	7.79	21.64	6.34	6.17	0.39	3.02	9.22
	85°F/65°F	HI	2380	1400	54.39	15.94	49.05	14.37	12.63	0.80	10.27	31.30	47.59	13.94	46.16	13.53	11.05	0.70	8.17	24.92	39.28	11.51	39.08	11.45	9.12	0.58	5.89	17.95
		MED	1904	1120	44.72	13.10	39.87	11.68	10.38	0.66	7.35	22.40	40.09	11.75	37.77	11.07	9.31	0.59	6.10	18.59	33.04	9.68	32.94	9.65	7.67	0.48	4.38	13.36
		LOW	1309	770	34.76	10.19	29.29	8.58	8.07	0.51	4.78	14.57	31.72	9.29	27.84	8.16	7.36	0.46	4.09	12.46	26.59	7.79	25.53	7.48	6.17	0.39	3.02	9.22
	76°F/67°F	HI	2380	1400	60.94	17.85	34.89	10.22	14.15	0.89	12.47	38.01	55.15	16.16	32.52	9.53	12.81	0.81	10.51	32.05	47.59	13.94	29.38	8.61	11.05	0.70	8.17	24.92
		MED	1904	1120	50.76	14.87	28.75	8.42	11.79	0.74	9.13	27.82	46.33	13.58	26.86	7.87	10.76	0.68	7.81	23.80	39.89	11.69	24.13	7.07	9.26	0.58	6.04	18.43
		LOW	1309	770	39.61	11.61	21.93	6.42	9.20	0.58	5.97	18.21	36.01	10.55	20.34	5.96	8.36	0.53	5.08	15.47	31.16	9.13	18.18	5.33	7.24	0.46	3.96	12.09
	80°F/67°F	HI	2380	1400	60.94	17.85	40.92	11.99	14.15	0.89	12.47	38.01	55.15	16.16	38.56	11.30	12.81	0.81	10.51	32.05	47.59	13.94	35.41	10.38	11.05	0.70	8.17	24.92
		MED	1904	1120	50.76	14.87	33.57	9.84	11.79	0.74	9.13	27.82	46.33	13.58	31.69	9.28	10.76	0.68	7.81	23.80	39.89	11.69	28.96	8.48	9.26	0.58	6.04	18.43
		LOW	1309	770	39.61	11.61	25.25	7.40	9.20	0.58	5.97	18.21	36.01	10.55	23.66	6.93	8.36	0.53	5.08	15.47	31.16	9.13	21.50	6.30	7.24	0.46	3.96	12.09
	85°F/67°F	HI	2380	1400	60.94	17.85	48.00	14.06	14.15	0.89	12.47	38.01	55.15	16.16	45.64	13.37	12.81	0.81	10.51	32.05	47.59	13.94	42.49	12.45	11.05	0.70	8.17	24.92
		MED	1904	1120	50.76	14.87	39.24	11.50	11.79	0.74	9.13	27.82	46.33	13.58	37.35	10.94	10.76	0.68	7.81	23.80	39.89	11.69	34.62	10.14	9.26	0.58	6.04	18.43
		LOW	1309	770	39.61	11.61	29.14	8.54	9.20	0.58	5.97	18.21	36.01	10.55	27.55	8.07	8.36	0.53	5.08	15.47	31.16	9.13	25.39	7.44	7.24	0.46	3.96	12.09

* Chiller power = Total Cooling Capacity +5%

FVS FAN COIL UNITS

Air Flow

Model	Speed	External static pressure (in. Wg)							
		0		0.1		0.2		0.3	
		m³/h	CFM	m³/h	CFM	m3/h	CFM	m³/h	CFM
F-VS-SD-400-WS	H	1083	637	976	574	862	507	700	412
	M	895	526	793	466	680	400	551	324
	L	698	411	571	336	463	272	354	208
F-VS-SD-600-WS	H	1765	1038	1563	919	1361	801	1121	659
	M	1464	861	1283	755	1088	640	862	507
	L	1122	660	930	547	748	440	526	309
F-VS-SD-800-WS	H	2149	1264	1948	1146	1717	1010	1399	823
	M	1839	1082	1647	969	1360	800	1157	681
	L	1351	795	1132	666	934	549	740	435
F-VS-SD-1000-WS	H	2424	1426	2214	1302	2016	1186	1789	1052
	M	2012	1184	1814	1067	1632	960	1402	825
	L	1493	878	1253	737	1105	650	889	523
F-VS-SD-1200-WS	H	2800	1647	2590	1524	2377	1398	2132	1254
	M	2321	1365	2096	1233	1904	1120	1620	953
	L	1784	1049	1532	901	1318	775	1081	636

FVS FAN COIL UNITS

Air Flow

Model	Speed	External static pressure (in. Wg)							
		Current (Amps)				Input Power (Watt)			
		0	0.1	0.2	0.3	0	0.1	0.2	0.3
F-VS-SD-400-WS	H	1x0.52	1x0.50	1x0.48	1x0.42	1x119.7	1x114.2	1x108.8	1x96.48
	M	1x0.46	1x0.44	1x0.41	2x 1x0.37	1x110.0	1x105.3	1x92.5	1x88.3
	L	1x0.39	1x0.38	1x0.36	1x0.31	1x97.70	1x93.30	1x89.1	1x77.0
F-VS-SD-600-WS	H	2x0.83	2x0.80	2x0.78	2x0.72	2x184.3	2x176.8	2x171.8	2x158.7
	M	2x0.74	2x0.71	2x0.69	2x0.63	2x161.0	2x154.3	2x148.3	2x133.6
	L	2x0.64	2x0.62	2x0.59	2x0.54	2x137.3	2x135.1	2x122.9	2x109.6
F-VS-SD-800-WS	H	2x1.05	2x1.01	2x0.95	2x0.84	2x236.4	2x226.2	2x214.0	2x188.9
	M	2x0.94	2x0.90	2x0.81	2x0.75	2x230.6	2x221.1	2x185.9	2x185.0
	L	2x0.79	2x0.75	2x0.71	2x0.62	2x193.4	2x184.5	2x174.6	2x155.6
F-VS-SD-1000-WS	H	2x1.60	2x1.56	2x1.49	2x1.42	2x352.3	2x343.3	2x327.4	2x307.5
	M	2x1.39	2x1.37	2x1.29	2x1.22	2x326.3	2x320.9	2x292.7	2x284.2
	L	2x1.17	2x1.14	2x1.08	2x1.00	2x268.5	2x262.2	2x247.0	2x228.8
F-VS-SD-1200-WS	H	2x1.59	2x1.55	2x1.49	2x1.41	2x351.8	2x342.4	2x330.2	2x311.2
	M	2x1.37	2x1.34	2x1.30	2x1.20	2x214.7	2x309.2	2x300.1	2x276.3
	L	2x1.17	2x1.14	2x1.09	2x1.01	2x272.3	2x265.5	2x254.1	2x233.8

FVS FAN COIL UNITS

Sound Pressure Level (SPL)

SPL at 1 m from the FCU in open field adjusted to A-scale.
Unit operating conditions are the following:
Air on coil DBT 80°F / WBT 67°F, water at 44.6°F / 53.6°F (7°C / 12°C)

Model	ESP in.wg	Speed	Freq [Hz]								
			63	125	250	500	1000	2000	4000	8000	SPL
			dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)
F-VS-SD-400-WS	0	H	12.3	16.3	30.8	34.5	38.7	35.7	27.4	18.7	47.6
		M	7.5	13.3	25.3	30.6	33.7	28.1	19.4	15.0	42.1
		L	4.9	7.0	20.5	23.0	27.0	18.3	13.3	14.5	36.3
	0.2	H	11.7	19.4	34.7	37.2	40.7	35.2	29.0	23.9	48.3
		M	13.1	15.2	32.0	34.6	36.9	31.9	26.0	34.6	44.0
		L	9.4	13.4	29.4	34.8	33.6	27.7	22.3	33.8	41.9
F-VS-SD-600-WS	0	H	13.9	22.7	35.9	41.0	42.7	39.4	32.7	21.7	49.9
		M	11.1	17.1	31.8	36.5	38.2	34.1	26.0	17.4	45.3
		L	7.5	11.8	25.1	29.7	31.0	24.9	16.3	16.9	41.1
	0.2	H	13.4	20.8	36.5	38.8	41.4	37.6	31.8	24.9	49.6
		M	13.8	20.2	36.5	37.9	39.6	34.1	26.0	24.6	45.6
		L	11.4	15.8	33.1	35.8	36.4	30.1	21.6	24.2	43.3
F-VS-SD-800-WS	0	H	11.5	19.2	35.5	38.3	41.4	38.8	28.9	20.1	50.3
		M	7.9	12.6	28.3	33.5	35.0	31.8	20.5	17.4	44.4
		L	5.3	9.0	23.0	27.0	27.9	21.6	13.9	17.3	38.1
	0.2	H	13.6	21.4	37.0	40.9	43.4	38.5	32.5	22.1	51.4
		M	12.6	19.2	34.8	38.4	39.8	35.6	29.4	23.4	46.2
		L	11.1	16.0	32.8	35.2	36.2	31.0	24.6	22.7	43.2
F-VS-SD-1000-WS	0	H	13.8	21.5	38.5	36.9	40.4	35.5	31.4	22.7	50.1
		M	9.5	14.2	29.3	32.8	33.9	29.0	23.6	18.9	43.4
		L	9.7	10.0	24.1	25.9	26.6	19.9	15.9	17.2	38.3
	0.2	H	15.8	24.0	39.4	40.0	41.6	39.9	33.1	24.3	51.7
		M	12.8	21.4	35.2	36.3	37.1	36.3	31.2	23.7	45.6
		L	9.5	16.1	34.6	32.5	33.8	31.6	29.1	19.9	41.8
F-VS-SD-1200-WS	0	H	16.8	23.1	38.9	41.3	44.4	39.9	35.8	25.5	52.0
		M	10.3	18.4	34.4	36.6	38.5	35.8	29.1	24.2	48.5
		L	8.0	9.9	26.7	35.4	29.6	24.8	18.8	17.0	42.1
	0.2	H	18.2	25.4	42.3	41.9	43.0	42.0	35.9	25.5	52.8
		M	12.5	22.0	37.3	37.8	39.2	37.9	32.4	22.6	47.3
		L	10.8	16.0	32.5	34.4	34.1	32.2	26.2	21.6	43.0

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