



FAN COIL UNIT







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VTG Group

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VTS GROUP – is a manufacturer of technically advanced equipment for the HVAC sector using innovative technologies in the area of project research, production and logistics.



24/7
IMMEDIATE AVAILABILITY

* Logistics centre





OUR MISSION

AHU#1





3 CONSTITUENTS OF SUCCESS

Permanently highest quality of products. The best prices in the market. The shortest delivery time. These three constituents of market policy ensure that VTS is always one step ahead, in every single place in the world.

Following the best practice in the automotive branch VTS created the network of 6 efficiently functioning logistics centers (**Atlanta, Dubai, Moscow, Warsaw, Bangalore**) and therefore guarantees the shortest delivery terms in the market regardless of the region in the world.

Mass scale of production of reduplicated devices makes it possible for VTS to offer them at the **most competitive price and retain their best quality.**

Multilevel quality control systems enables VTS to offer the longest warranty in the market. **18-months guarantee of the trouble free operation of equipment in the standard package.**

24/7 AVAILABILITY
IMMEDIATE

5 LOGISTICS
CENTERS

\$ competitive
price

150 000
SOLD EQUIPMENT
UNITS ANNUALLY

Q the highest
quality

18 MONTHS **guarantee**
**FOR EACH
DEVICE**





Technical Specifications

CASING

Top cover material:

- Galvanized steel
- Thickness: 0.8 mm

Base material:

- Galvanized steel
- Thickness: 0.8 mm

Side panel material:

- Galvanized steel
- Thickness: 0.8 mm

Back cover:

- Galvanized steel
- Thickness: 0.8 mm

Top cover for plenum:

- Galvanized steel
- Thickness: 0.8 mm

Side panel for plenum:

- Galvanized steel
- Thickness: 0.8 mm

Plenum box insulation:

- 6 mm closed cell foam

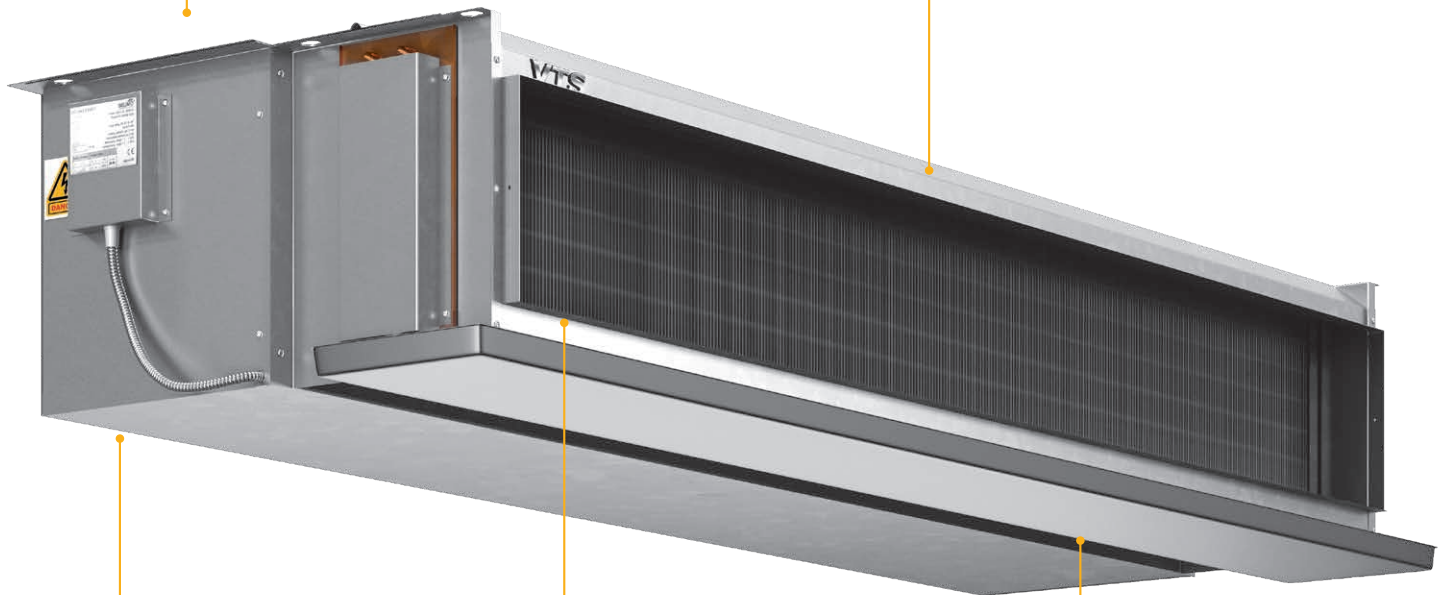
COOLING COIL

Copper pipe:

- Dimensions: 3/8" (9.52 mm)

Fin:

- Thickness: 0.105 mm
- Fin pitch: 10 FPI
- Louvered type Al-fin



BLOWER:

Blower material:

- Type: DIDW Forward Curved Centrifugal Fan
- Material: Galvanized steel

Motor:

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

FILTER:

- Filter frame: Aluminum alloy
- Material: Double layer aluminum
- Thickness: 12.5 mm
- EU-2 filter grade as per EN779

DRAIN TRAY:

- Material: galvanised steel
- Thickness: 0.8 mm
- Insulation material: PE, 3 mm
- Water outlet: 7/8"
- Powder coated to RAL 9002

TYPICAL APPLICATIONS:



Offices



Hotels



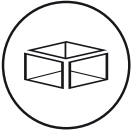
Hospitals



Malls



Technical Specifications

**Unit Casing:**

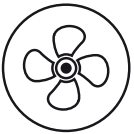
Galvanized steel casing of minimum 0.8 mm thickness. Casing is internally lined with 6mm closed cell elastomeric foam insulation.

**Drain Tray:**

They are fabricated from heavy gauge galvanized steel and are insulated to prevent condensation. Powder coated on both sides to RAL 9002.

**Cooling Coils:**

Fabricated from copper tubes mechanically bonded with aluminum fins and are leak tested at 350 Psig nitrogen pressure.

**Blower:**

Fans are forward curved centrifugal type of double inlet, statically and dynamically balanced to ensure quiet operation.

**Air Filters:**

All Units are provided with 12.5 mm Aluminum Mesh filter as a standard option. Filters accessible from rear end of the unit and is easily removable by pulling out from unit frame.

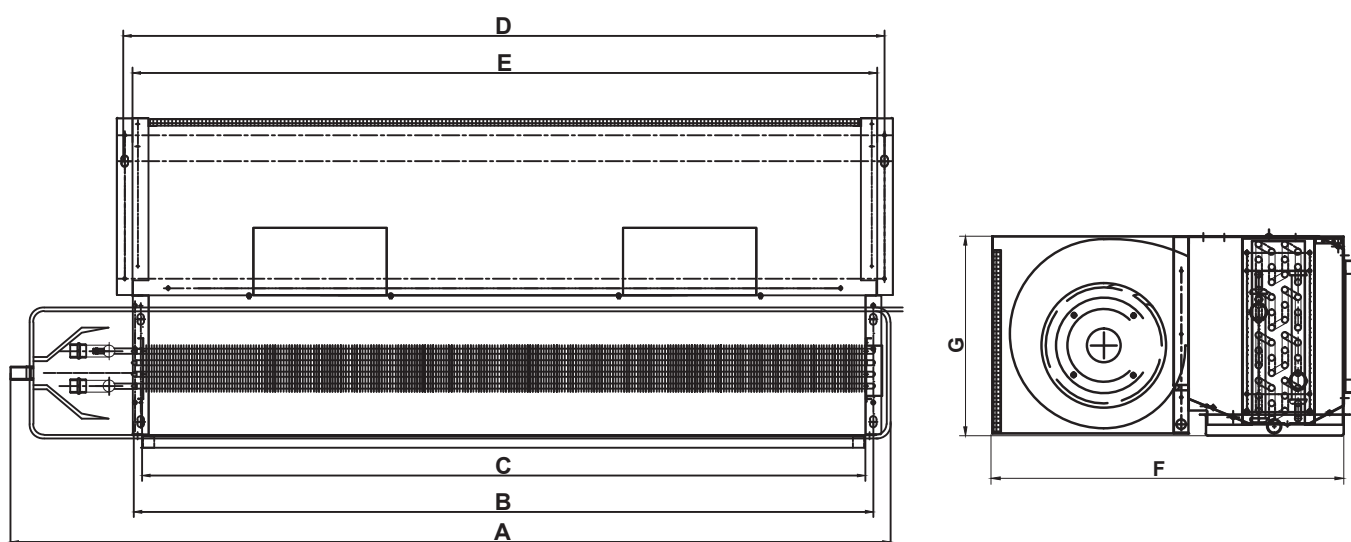
**Fan Motors:**

Motors are single phase, 3 speed, 220-240V/1 Phase/50 Hz with internal thermal protection.

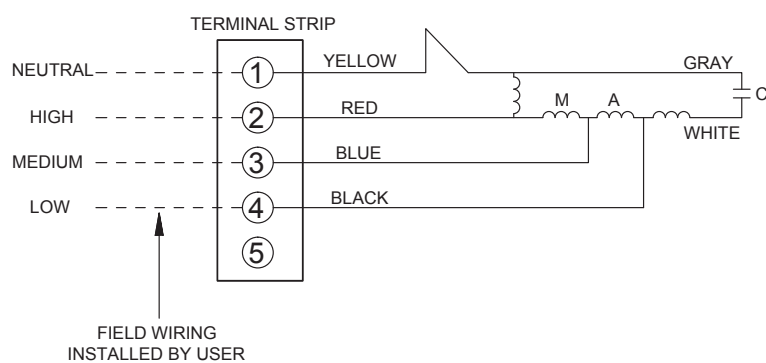
Dimension - Chilled water [WS]

Model	Length							Filter Size	Connection	
	A	B	C	D	E	F	G	mm	Inches	mm
F-VS-SD-300-WS	890	628	600	668	640	534	234	575 x 200 x 12.5	NPS 1/2"	DN15
F-VS-SD-400-WS	990	728	700	768	740	534	234	675 x 200 x 12.5	NPS 1/2"	DN15
F-VS-SD-600-WS	1240	958	930	998	970	534	234	905 x 200 x 12.5	NPS 1/2"	DN15
F-VS-SD-800-WS	1490	1228	1200	1268	1240	534	234	1175 x 200 x 12.5	NPS 3/4"	DN20
F-VS-SD-1000-WS	1690	1428	1400	1468	1440	534	234	1375 x 200 x 12.5	NPS 3/4"	DN20
F-VS-SD-1200-WS	1890	1628	1600	1668	1640	534	234	1575 x 200 x 12.5	NPS 3/4"	DN20

Dimensional drawings



Electrical wiring diagrams (for all models)



LEGENDS SYMBOL.
C - CAPACITOR
A - AMPERE



Chilled Water (WS) - Product family and general technical specification

Rated parameters		Units	Speed	F-VS-SD-300-WS	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
				Low Static , Chilled Water Unit					
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	13487	16348	24590	32227	36926	43821
	Sensible	[BTU/hr]	High Speed	9850	11601	17489	22967	26704	31514
Air Flow at 0,2" wg (Low Static Unit)	-	[CFM]	High Speed	462	520	792	1056	1260	1478
Air Flow at 0,0 wg (Low Static Unit)	-	[CFM]	High Speed	621	507	1064	1287	1536	1802
Sound Pressure Level according to ISO 11203 at 1 meter from the unit	-	[dB(A)]	High Speed	46	46	46	46	47	48
		[dB(A)]	Medium Speed	41	41	40	40	42	44
		[dB(A)]	Low Speed	35	35	34	33	34	35
Coil	Type	[-]	-	3/8", 0.28mm Thick Copper tubes					
	Face Area	[ft²]	-	1.31	1.53	1.97	2.62	3.06	3.5
	Row / FPI	[-]	-	3/10.58	3/10.58	3/10.58	3/10.58	3/10.58	3/10.58
	Size	[mm x mm]	-	203.2x600	203.2x700	203.2x930	203.2x1200	203.2x1400	203.2x1600
	Nominal water flow rate	US GPM	Med Speed	1.8	2.4	3.6	4.8	6	7.2
Fan	Type	[-]	-	Centrifugal , Forward Curve DIDW					
	Material	[-]	-	GI					
	Quantity	[pcs.]	-	2	2	2	3	4	4
Fan motor	Power Supply (Output)	[W]	-	80	80	80	130	160	160
	Max Power Input	[W]	-	183	183	183	262	360	360
	FLA	[A]	-	0.90	0.9	0.9	1.5	1.8	1.8
	Type/Class/IP	[-]	-	Class B/IP20	Class B/IP20	Class B/IP20	Class B/IP20	Class B/IP20	Class B/IP20
	Revolutions	[rpm]	H/M/L	1000/900/750	1000/900/750	1000/900/750	1000/900/750	1000/900/750	1000/900/750
	Quantity	[-]	-	1	1	1	2	2	2
Drive method	-	[-]	-	Direct Drive					
Weight	Unit	[kg]	-	21	22	26	34	39	44
	Shipping	[kg]	-	23	24	29	37	43	48
Unit Dimensions	L	[mm]	-	890	990	1190	1490	1690	1890
	W	[mm]	-	526					
	H	[mm]	-	230					
Shipping Dimensions	L	[mm]	-	915	1015	1215	1515	1715	1915
	W	[mm]	-	535					
	H	[mm]	-	244					
Connections	Inlet (MPT)	[inch]	-	1/2" NPS	1/2" NPS	1/2" NPS	3/4" NPS	3/4" NPS	3/4" NPS
	Outlet (MPT)	[inch]	-	1/2" NPS	1/2" NPS	1/2" NPS	3/4" NPS	3/4" NPS	3/4" NPS
	Drain Pan Inch OD	[inch]	-	7/8	7/8	7/8	7/8	7/8	7/8



Performance data of F-VS-SD-300-WS

F-VS-SD-300-WS	Cooling Coil Air Inlet			Entering/Leaving Water Temperature								
	DB/WB	Speed	Air Flow Rate		45/54 (°F); 7/12 (°C)							
					Total Cooling		Sensible Cooling		Water Flow rate		Water Pressure drop	
			m³/h	CFM	(X 1.000 Btu/Hr)	kW	(X 1.000 Btu/Hr)	kW	GPM	L/S	Ft.wg	kPa
76/63	HI	714	420	9961	2.92	8636	2.53	2.30	0.15	3.30	9.87	
	MED	595	350	8628	2.53	7355	2.16	2.00	0.13	2.40	7.18	
	LOW	410	241	6272	1.84	5192	1.52	1.50	0.09	1.20	3.59	
80/63	HI	714	420	11568	3.39	10806	3.17	2.70	0.17	4.30	12.86	
	MED	595	350	9610	2.82	9006	2.64	2.20	0.14	3.00	8.97	
	LOW	410	241	6934	2.03	6352	1.86	1.60	0.10	1.40	4.19	
85/63	HI	714	420	13128	3.85	13128	3.85	3.00	0.19	5.30	15.85	
	MED	595	350	10908	3.20	10908	3.20	2.50	0.16	3.80	11.36	
	LOW	410	241	7686	2.25	7686	2.25	1.80	0.11	1.80	5.38	
76/65	HI	714	420	12114	3.55	8610	2.52	2.80	0.18	4.60	13.75	
	MED	595	350	9787	2.87	7046	2.06	2.30	0.15	3.10	9.27	
	LOW	410	241	7164	2.10	4995	1.46	1.70	0.11	1.60	4.78	
80/65	HI	714	420	12930	3.79	10482	3.07	3.00	0.19	5.20	15.55	
	MED	595	350	10571	3.10	8656	2.54	2.50	0.16	3.60	10.76	
	LOW	410	241	7576	2.22	6067	1.78	1.80	0.11	1.80	5.38	
85/65	HI	714	420	14155	4.15	12863	3.77	3.30	0.21	6.10	18.24	
	MED	595	350	11814	3.46	10751	3.15	2.70	0.17	4.40	13.16	
	LOW	410	241	8256	2.42	7450	2.18	1.90	0.12	2.40	7.18	
76/67	HI	714	420	15167	4.44	8849	2.59	3.50	0.22	6.90	20.63	
	MED	595	350	12487	3.66	7300	2.14	2.90	0.18	4.80	14.35	
	LOW	410	241	8459	2.48	4926	1.44	2.00	0.13	2.30	6.88	
80/67	HI	714	420	15480	4.54	10476	3.07	3.60	0.23	7.10	21.23	
	MED	595	350	12858	3.77	8712	2.55	3.00	0.19	5.10	15.25	
	LOW	410	241	8719	2.55	5909	1.73	2.00	0.13	2.40	7.18	
85/67	HI	714	420	15859	4.65	12606	3.69	3.60	0.23	7.50	22.43	
	MED	595	350	13308	3.90	10556	3.09	3.10	0.20	5.50	16.45	
	LOW	410	241	9050	2.65	7199	2.11	2.10	0.13	2.60	7.77	



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

F-VS-SD-400-WS	Cooling Coil Air Inlet				Entering/Leaving Water Temperature							
	DB/WB	Speed	Air Flow Rate		45/54 (°F); 7/12 (°C)							
					Total Cooling		Sensible Cooling		Water Flow rate		Water Pressure drop	
			m ³ /h	CFM	(X 1.000 Btu/Hr)	kW	(X 1.000 Btu/Hr)	kW	GPM	L/S	Ft.wg	kPa
F-VS-SD-400-WS	76/63	HI	816	480	13024	3.82	10634	3.12	3.00	0.19	5.80	17.34
		MED	680	400	10629	3.11	8774	2.57	2.50	0.16	4.00	11.96
		LOW	469	276	7602	2.23	6153	1.80	1.80	0.11	2.00	5.98
	80/63	HI	816	480	14206	4.16	12866	3.77	3.30	0.21	6.70	20.03
		MED	680	400	11858	3.47	10752	3.15	2.70	0.17	4.90	14.65
		LOW	469	276	8273	2.42	7454	2.18	1.90	0.12	2.40	7.18
	85/63	HI	816	480	16063	4.71	15709	4.60	3.70	0.23	8.40	25.12
		MED	680	400	13523	3.96	13198	3.87	3.10	0.20	6.20	18.54
		LOW	469	276	9336	2.74	9105	2.67	2.20	0.14	3.10	9.27
	76/65	HI	816	480	15573	4.56	10595	3.10	3.60	0.23	7.90	23.62
		MED	680	400	12925	3.79	8806	2.58	3.00	0.19	5.70	17.04
		LOW	469	276	8736	2.56	5966	1.75	2.00	0.13	2.70	8.07
	80/65	HI	816	480	16086	4.71	12578	3.69	3.70	0.23	8.40	25.12
		MED	680	400	13503	3.96	10534	3.09	3.10	0.20	6.10	18.24
		LOW	469	276	9156	2.68	7177	2.10	2.10	0.13	3.00	8.97
	85/65	HI	816	480	17038	4.99	15132	4.43	3.90	0.25	9.30	27.81
		MED	680	400	14385	4.21	12720	3.73	3.30	0.21	6.90	20.63
		LOW	469	276	9808	2.87	8716	2.55	2.30	0.15	3.50	10.47
	76/67	HI	816	480	18708	5.48	10712	3.14	4.30	0.27	11.00	32.89
		MED	680	400	15846	4.64	9024	2.64	3.60	0.23	8.10	24.22
		LOW	469	276	10461	3.07	5984	1.75	2.40	0.15	3.90	11.66
	80/67	HI	816	480	18880	5.53	12499	3.66	4.30	0.27	11.20	33.49
		MED	680	400	16042	4.70	10548	3.09	3.70	0.23	8.30	24.82
		LOW	469	276	10772	3.16	7119	2.09	2.50	0.16	4.10	12.26
	85/67	HI	816	480	19027	5.57	14825	4.34	4.40	0.28	11.30	33.79
		MED	680	400	16214	4.75	12523	3.67	3.70	0.23	8.50	25.42
		LOW	469	276	11095	3.25	8580	2.51	2.60	0.16	4.30	12.86



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

F-VS-SD-600-WS	Cooling Coil Air Inlet				Entering/Leaving Water Temperature							
	DB/WB	Speed	Air Flow Rate		45/54 (°F); 7/12 (°C)							
					Total Cooling		Sensible Cooling		Water Flow rate		Water Pressure drop	
			m³/h	CFM	(X 1.000 Btu/Hr)	kW	(X 1.000 Btu/Hr)	kW	GPM	L/S	Ft.wg	kPa
F-VS-SD-600-WS	76/63	HI	1223	720	20678	6.06	16579	4.86	4.70	0.30	8.60	25.71
		MED	1019	600	17440	5.11	13949	4.09	4.00	0.25	6.40	19.14
		LOW	703	414	11719	3.43	9482	2.78	2.70	0.17	3.10	9.27
	80/63	HI	1223	720	22279	6.53	19863	5.82	5.10	0.32	9.90	29.60
		MED	1019	600	18898	5.54	16767	4.91	4.40	0.28	7.40	22.13
		LOW	703	414	12878	3.77	11508	3.37	3.00	0.19	3.70	11.06
	85/63	HI	1223	720	24723	7.24	23997	7.03	5.60	0.35	11.90	35.58
		MED	1019	600	21116	6.19	20369	5.97	4.90	0.31	9.00	26.91
		LOW	703	414	14764	4.33	14195	4.16	3.40	0.21	4.80	14.35
	76/65	HI	1223	720	24120	7.07	16359	4.79	5.50	0.35	11.40	34.09
		MED	1019	600	20703	6.07	13915	4.08	4.80	0.30	8.70	26.01
		LOW	703	414	13872	4.06	9412	2.76	3.20	0.20	4.30	12.86
	80/65	HI	1223	720	24678	7.23	19261	5.64	5.60	0.35	11.80	35.28
		MED	1019	600	21303	6.24	16421	4.81	4.90	0.31	9.10	27.21
		LOW	703	414	14677	4.30	11329	3.32	3.40	0.21	4.70	14.05
	85/65	HI	1223	720	26040	7.63	23059	6.76	6.00	0.38	13.10	39.17
		MED	1019	600	22538	6.60	19682	5.77	5.20	0.33	10.10	30.20
		LOW	703	414	15813	4.63	13731	4.02	3.70	0.23	5.40	16.15
	76/67	HI	1223	720	28003	8.20	16176	4.74	6.40	0.40	14.90	44.55
		MED	1019	600	24497	7.18	13979	4.10	5.60	0.35	11.70	34.98
		LOW	703	414	17317	5.07	9794	2.87	4.00	0.25	6.30	18.84
	80/67	HI	1223	720	28271	8.28	18892	5.54	6.40	0.40	15.10	45.15
		MED	1019	600	24733	7.25	16274	4.77	5.70	0.36	12.00	35.88
		LOW	703	414	17570	5.15	11437	3.35	4.00	0.25	6.50	19.44
	85/67	HI	1223	720	28626	8.39	22462	6.58	6.50	0.41	15.50	46.35
		MED	1019	600	24930	7.30	19249	5.64	5.70	0.36	12.10	36.18
		LOW	703	414	17838	5.23	13578	3.98	4.10	0.26	6.60	19.73



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

F-VS-SD-800-WS	Cooling Coil Air Inlet				Entering/Leaving Water Temperature							
	DB/WB	Speed	Air Flow Rate		45/54 (°F); 7/12 (°C)							
					Total Cooling		Sensible Cooling		Water Flow rate		Water Pressure drop	
			m³/h	CFM	(X 1.000 Btu/Hr)	kW	(X 1.000 Btu/Hr)	kW	GPM	L/S	Ft.wg	kPa
76/63	HI	1631	960	22520	6.60	19562	5.73	5.20	0.33	3.40	10.17	
	MED	1359	800	18546	5.43	16262	4.76	4.30	0.27	2.30	6.88	
	LOW	937	552	13341	3.91	11476	3.36	3.10	0.20	1.10	3.29	
80/63	HI	1631	960	26351	7.72	24614	7.21	6.10	0.38	4.50	13.46	
	MED	1359	800	21625	6.34	20391	5.97	5.00	0.32	3.20	9.57	
	LOW	937	552	15231	4.46	14255	4.18	3.60	0.23	1.50	4.49	
85/63	HI	1631	960	29811	8.73	29811	8.73	6.80	0.43	5.60	16.74	
	MED	1359	800	24824	7.27	24824	7.27	5.70	0.36	4.10	12.26	
	LOW	937	552	17028	4.99	17028	4.99	4.00	0.25	1.90	5.68	
76/65	HI	1631	960	27398	8.03	19520	5.72	6.30	0.40	4.90	14.65	
	MED	1359	800	21591	6.33	15778	4.62	5.00	0.32	3.20	9.57	
	LOW	937	552	15126	4.43	10954	3.21	3.50	0.22	1.50	4.49	
80/65	HI	1631	960	29253	8.57	23771	6.96	6.70	0.42	5.50	16.45	
	MED	1359	800	23987	7.03	19688	5.77	5.50	0.35	3.80	11.36	
	LOW	937	552	16370	4.80	13512	3.96	3.80	0.24	1.80	5.38	
85/65	HI	1631	960	32080	9.40	29218	8.56	7.40	0.47	6.50	19.44	
	MED	1359	800	26891	7.88	24499	7.18	6.20	0.39	4.70	14.05	
	LOW	937	552	18248	5.35	16784	4.92	4.20	0.26	2.30	6.88	
76/67	HI	1631	960	34103	9.99	19989	5.86	7.80	0.49	7.20	21.53	
	MED	1359	800	28290	8.29	16603	4.86	6.50	0.41	5.20	15.55	
	LOW	937	552	17922	5.25	10751	3.15	4.20	0.26	2.20	6.58	
80/67	HI	1631	960	34761	10.18	23652	6.93	8.00	0.50	7.40	22.13	
	MED	1359	800	29113	8.53	19797	5.80	6.70	0.42	5.40	16.15	
	LOW	937	552	18777	5.50	13094	3.84	4.40	0.28	2.40	7.18	
85/67	HI	1631	960	35678	10.45	28503	8.35	8.20	0.52	7.80	23.32	
	MED	1359	800	30072	8.81	23958	7.02	6.90	0.44	5.70	17.04	
	LOW	937	552	19815	5.81	16139	4.73	4.60	0.29	2.70	8.07	



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

F-VS-SD-1000-WS	Cooling Coil Air Inlet			Entering/Leaving Water Temperature								
	DB/WB	Speed	Air Flow Rate		45/54 (°F); 7/12 (°C)							
					Total Cooling		Sensible Cooling		Water Flow rate		Water Pressure drop	
			m³/h	CFM	(X 1.000 Btu/Hr)	kW	(X 1.000 Btu/Hr)	kW	GPM	L/S	Ft.wg	kPa
	76/63	HI	2039	1200	32090	9.40	26217	7.68	7.40	0.47	7.20	21.53
MED		1699	1000	26698	7.82	21891	6.41	6.20	0.39	5.20	15.55	
LOW		1172	690	17794	5.21	14856	4.35	4.20	0.26	2.40	7.18	
80/63	HI	2039	1200	34928	10.23	31697	9.29	8.00	0.50	8.40	25.12	
	MED	1699	1000	29462	8.63	26690	7.82	6.80	0.43	6.20	18.54	
	LOW	1172	690	19810	5.80	18224	5.34	4.60	0.29	3.10	9.27	
85/63	HI	2039	1200	38350	11.24	38350	11.24	8.80	0.56	9.90	29.60	
	MED	1699	1000	32558	9.54	32558	9.54	7.50	0.47	7.40	22.13	
	LOW	1172	690	22410	6.57	22410	6.57	5.20	0.33	3.80	11.36	
76/65	HI	2039	1200	37735	11.06	25863	7.58	8.70	0.55	9.60	28.70	
	MED	1699	1000	32048	9.39	21845	6.40	7.40	0.47	7.20	21.53	
	LOW	1172	690	20578	6.03	14409	4.22	4.80	0.30	3.30	9.87	
80/65	HI	2039	1200	38809	11.37	30666	8.99	8.90	0.56	10.10	30.20	
	MED	1699	1000	33202	9.73	26003	7.62	7.60	0.48	7.60	22.72	
	LOW	1172	690	22410	6.57	17748	5.20	5.20	0.33	3.80	11.36	
85/65	HI	2039	1200	41001	12.01	36879	10.81	9.40	0.59	11.10	33.19	
	MED	1699	1000	35334	10.35	31393	9.20	8.10	0.51	8.60	25.71	
	LOW	1172	690	24589	7.20	21814	6.39	5.70	0.36	4.50	13.46	
76/67	HI	2039	1200	43825	12.84	25486	7.47	10.00	0.63	12.50	37.38	
	MED	1699	1000	38348	11.24	22011	6.45	8.80	0.56	9.90	29.60	
	LOW	1172	690	26597	7.79	15191	4.45	6.10	0.38	5.10	15.25	
80/67	HI	2039	1200	44408	13.01	29953	8.78	10.20	0.64	12.90	38.57	
	MED	1699	1000	38622	11.32	25685	7.53	8.80	0.56	9.80	29.30	
	LOW	1172	690	27222	7.98	17949	5.26	6.30	0.40	5.40	16.15	
85/67	HI	2039	1200	45076	13.21	35804	10.49	10.30	0.65	13.20	39.47	
	MED	1699	1000	39214	11.49	30643	8.98	9.00	0.57	10.30	30.80	
	LOW	1172	690	27850	8.16	21514	6.30	6.40	0.40	5.60	16.74	



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

F-VS-SD-1200-WS	Cooling Coil Air Inlet			Entering/Leaving Water Temperature								
	DB/WB	Speed	Air Flow Rate		45/54 (°F); 7/12 (°C)							
					Total Cooling		Sensible Cooling		Water Flow rate		Water Pressure drop	
			m³/h	CFM	(X 1.000 Btu/Hr)	kW	(X 1.000 Btu/Hr)	kW	GPM	L/S	Ft.wg	kPa
	76/63	HI	2283	1344	37971	11.13	30309	8.88	8.70	0.55	10.70	31.99
MED		1903	1120	32381	9.49	25656	7.52	7.50	0.47	8.10	24.22	
LOW		1312	772	21561	6.32	17357	5.09	5.00	0.32	3.90	11.66	
80/63	HI	2283	1344	40236	11.79	36055	10.56	9.20	0.58	11.90	35.58	
	MED	1903	1120	34545	10.12	30634	8.98	7.90	0.50	9.00	26.91	
	LOW	1312	772	23888	7.00	21200	6.21	5.50	0.35	4.70	14.05	
85/63	HI	2283	1344	44648	13.08	43663	12.79	10.20	0.64	14.30	42.76	
	MED	1903	1120	38275	11.21	37131	10.88	8.80	0.56	10.90	32.59	
	LOW	1312	772	26968	7.90	26000	7.62	6.30	0.40	5.90	17.64	
76/65	HI	2283	1344	43549	12.76	29540	8.66	10.00	0.63	13.70	40.96	
	MED	1903	1120	37988	11.13	25383	7.44	8.70	0.55	10.70	31.99	
	LOW	1312	772	26441	7.75	17577	5.15	6.10	0.38	5.70	17.04	
80/65	HI	2283	1344	44555	13.05	34841	10.21	10.20	0.64	14.20	42.46	
	MED	1903	1120	38756	11.36	29829	8.74	8.90	0.56	11.10	33.19	
	LOW	1312	772	27355	8.02	20859	6.11	6.30	0.40	6.00	17.94	
85/65	HI	2283	1344	46799	13.71	41756	12.23	10.70	0.68	15.50	46.35	
	MED	1903	1120	40535	11.88	35633	10.44	9.30	0.59	12.00	35.88	
	LOW	1312	772	28933	8.48	25066	7.34	6.70	0.42	6.60	19.73	
76/67	HI	2283	1344	50496	14.80	29151	8.54	11.60	0.73	17.80	53.22	
	MED	1903	1120	43982	12.89	25101	7.35	10.00	0.63	13.60	40.66	
	LOW	1312	772	32175	9.43	18031	5.28	7.40	0.47	8.00	23.92	
80/67	HI	2283	1344	50983	14.94	34097	9.99	11.70	0.74	18.10	54.12	
	MED	1903	1120	44570	13.06	29338	8.60	10.20	0.64	14.20	42.46	
	LOW	1312	772	32508	9.52	20969	6.14	7.50	0.47	8.10	24.22	
85/67	HI	2283	1344	51476	15.08	40551	11.88	11.70	0.74	18.30	54.72	
	MED	1903	1120	44917	13.16	34769	10.19	10.30	0.65	14.50	43.36	
	LOW	1312	772	32755	9.60	24768	7.26	7.50	0.47	8.20	24.52	



Fan Characteristics - Low Static

Air Flow (CFM)

Model	Speed	External static pressure (Pa)		
		0	25	50
F-VS-SD-300-WS	H	533	483	420
	M	445	403	350
	L	307	278	241
F-VS-SD-400-WS	H	610	552	480
	M	508	460	400
	L	350	317	276
F-VS-SD-600-WS	H	914	828	720
	M	762	690	600
	L	526	476	414
F-VS-SD-800-WS	H	1219	1104	960
	M	1016	920	800
	L	701	634	552
F-VS-SD-1000-WS	H	1524	1380	1200
	M	1270	1150	1000
	L	876	793	690
F-VS-SD-1200-WS	H	1640	1519	1344
	M	1366	1266	1120
	L	942	873	772

Current (Amps)

Model	Speed	External static pressure (Pa)		
		0	25	50
F-VS-SD-300-WS	H	0.68	0.64	0.54
	M	0.61	0.58	0.49
	L	0.56	0.53	0.45
F-VS-SD-400-WS	H	0.70	0.66	0.56
	M	0.62	0.58	0.50
	L	0.57	0.54	0.46
F-VS-SD-600-WS	H	0.85	0.80	0.68
	M	0.74	0.70	0.59
	L	0.70	0.66	0.56
F-VS-SD-800-WS	H	1.30	1.22	1.04
	M	1.13	1.06	0.90
	L	1.05	0.99	0.84
F-VS-SD-1000-WS	H	1.48	1.39	1.19
	M	1.28	1.20	1.02
	L	1.21	1.14	0.97
F-VS-SD-1200-WS	H	1.64	1.54	1.31
	M	1.45	1.36	1.16
	L	1.35	1.27	1.08

Input Power (Watts)

Model	Speed	External static pressure (Pa)		
		0	25	50
F-VS-SD-300-WS	H	125	117	100
	M	113	106	90
	L	103	97	83
F-VS-SD-400-WS	H	128	121	103
	M	114	107	91
	L	106	99	84
F-VS-SD-600-WS	H	157	148	126
	M	137	129	109
	L	128	121	103
F-VS-SD-800-WS	H	239	224	191
	M	208	195	166
	L	193	182	155
F-VS-SD-1000-WS	H	273	256	218
	M	235	221	188
	L	223	210	179
F-VS-SD-1200-WS	H	302	284	242
	M	266	250	213
	L	248	233	199



VTs Fan Coil Unit Specific Fan Power

Expressed in W/lps
W - Input Power @ 50Pa ESP
LPS - Airflow @ 50 Pa ESP

FCU Model	Airflow		Input Power	Specific Fan Power (SFP)
	CFM	LPS	W	W / LPS
F-VS-SD-300-WS	350	165	90	0.55
F-VS-SD-400-WS	400	189	91	0.48
F-VS-SD-600-WS	600	283	109	0.39
F-VS-SD-800-WS	800	378	166	0.44
F-VS-SD-1000-WS	1000	472	188	0.4
F-VS-SD-1200-WS	1120	529	213	0.4

Sound Data

Unit operating conditions are the following:
Air on coil DBT 80 °F / WBT 67 °F, water at (7°C / 12°C) (44.6°F/53.6°F) Chilled water
Sound Pressure Level according to ISO 11203 at 1 meter from the unit

Model	ESP in.wg	Speed	Freq [Hz]								Sound Power Level	Sound Pressure Level
			63	125	250	500	1000	2000	4000	8000	dB(A)	dB(A)
			dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)		
F-VS-SD-300-WS	ESP 50 Pa	H	34.5	46.2	50	50.6	49.2	45.6	42.7	34.8	59	46
		M	31.2	36.3	42.2	43.5	40.1	37.2	34.2	29.4	55	41
		L	23.4	28.4	34.6	34.7	32.4	29.8	26.4	21.8	49	35
F-VS-SD-400-WS	ESP 50 Pa	H	34.5	46.2	50	50.6	49.2	45.6	42.7	34.8	59	46
		M	31.2	36.3	42.2	43.5	40.1	37.2	34.2	29.4	55	41
		L	23.4	28.4	34.6	34.7	32.4	29.8	26.4	21.8	49	35
F-VS-SD-600-WS	ESP 50 Pa	H	33	44.2	47.9	48.5	47.4	43.8	40.5	32.5	60	46
		M	30.1	35.2	41.1	42.6	38.5	36	34.5	29.5	54	40
		L	25.1	30.4	36.7	36.9	34.3	31.4	28.2	23.7	48	34
F-VS-SD-800-WS	ESP 50 Pa	H	36.4	48	50.8	51.4	50.4	46.6	43.2	35.2	61	46
		M	33.3	38.5	44.1	45.3	41.7	40.1	37.2	32.2	54	40
		L	30.1	35.4	41.6	41.8	39.1	36.6	33.8	29.7	47	33
F-VS-SD-1000-WS	ESP 50 Pa	H	38.2	46.2	53	53.9	52.7	48.4	45.2	37.2	62	47
		M	34.3	39.4	45.2	46.2	42.8	41.1	37.3	33.3	56	42
		L	32.2	37.3	43.5	43.9	41.2	38.8	35.7	31.9	49	34
F-VS-SD-1200-WS	ESP 50 Pa	H	38.2	46.2	53.1	54	52.8	48.2	45.2	37.2	63	48
		M	36.2	41.2	47.3	48.1	45.1	43.2	39.5	35.5	58	44
		L	32.2	37.3	43.5	43.9	41.2	38.8	35.7	31.9	50	35



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