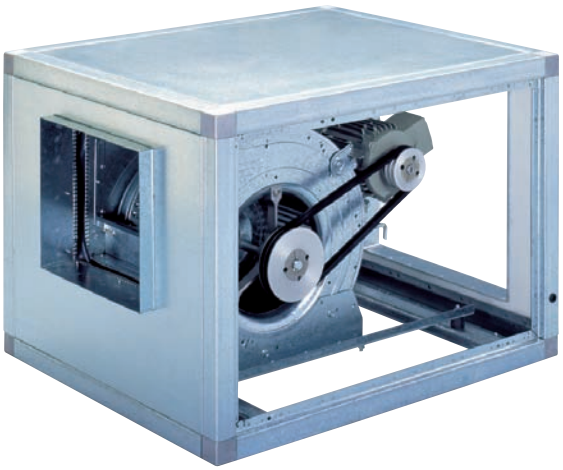
Forward Curved Inline Duct Blowers

CFD and CVTT



Belt Drive Blowers

ICF 09.10
Sept 2010

Soler&Palau Ventilation Group

Forward Curved Inline Duct Blower Series

Model CFD

Side access door removed

The S&P Economy version of our majestic CVTT. The CFD inline duct blower is used indoors for heating, cooling and other ventilating applications.

FEATURES

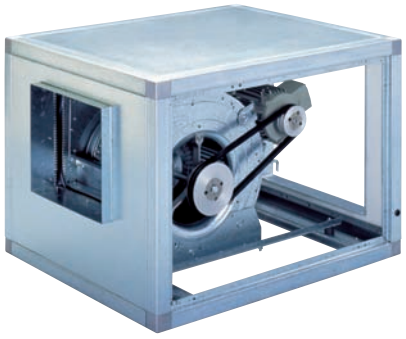
- Computer designed, efficient performance, forward curved blower.
- Blower wheel hub is secured to the shaft with a locking keyway.
- Blower penetrates the cabinet with a neoprene tight seal.
- Durable galvanized plating is used on both the blower & cabinet.
- Reinforced horizontal hanging rod connections.
- Heavy duty ball bearings are suitable for -65 F to +250 F temperatures.
- Robust access panels are ribbed for rigidity and have handles for ease of removal when installing or servicing motor and drive on either side.
- All models have machine keyed shafts on both ends for CW or CCW drive.
- Models CFD07 to CFD15 can be used in both horizontal & vertical air flow positions. (CVTT18 is used for next size)

OPTIONS

- ½" cabinet insulation for sound and resistance to condensation.
- Insulated Filter Section with 1" wide aluminum mesh filter. Will accept a 2" wide filter.
- External Vibration Isolators.
- Heating and cooling coils – Call Factory.
- Motor and drives installed.

FILTER SECTION

Model CVTT



The Soler & Palau CVTT. With our standard features is the Quietest forward curved cabinet fan in its category.

FEATURES

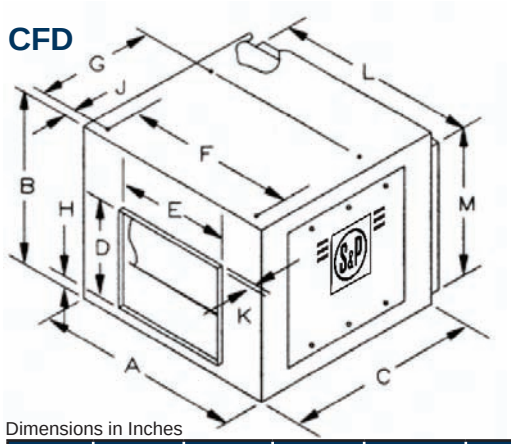
- Computer designed, efficient performance, forward curved blower.
- Blower wheel hub is secured to the shaft with a locking keyway.
- Blower is secured to anti-vibration mounts within the cabinet.
- Blower outlet is connected to a flexible duct connection within the cabinet to aide in anti-vibration.
- Insulated with high grade Melamine acoustic sheet.
- Durable galvanized plating is used on both the blower and cabinet.
- Cabinet corners are robust cast aluminum blocks.
- Both side access panels are secured with pressure locks that open quickly and easily with the push and turn of an Allen key.
- Heavy duty ball bearings are suitable for -65 F to +250 F temperatures.
- All models have machine keyed shafts on both ends for CW or CCW drive.

OPTIONS

- Insulated Filter Section with 1" wide aluminum mesh filter. Will accept a 2" wide filter.
- Heating and cooling coils – Call Factory.
- Motor and drives installed.
- Pitched roof top for exterior installations.
- Inlet/Outlet wire guards.
- Intake hood with 1" aluminum mesh filter.
- Model sizes CVTT22, CVTT25, CVTT30 by request.

Dimensional Data

CFD

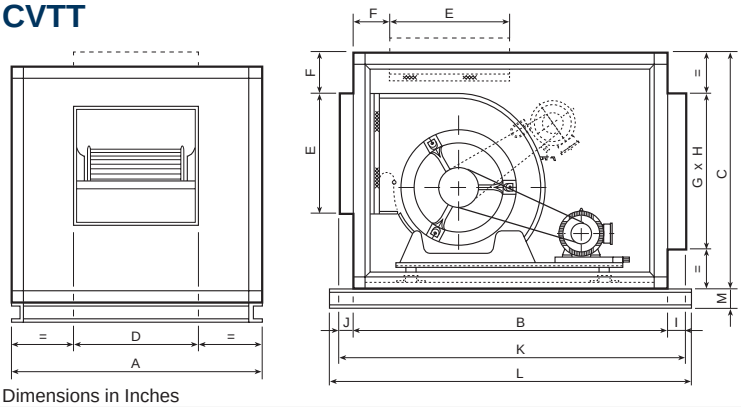


Dimensions in Inches

Model	A	B	C	D	E	F	G	H	J	K	L	M	METRIC SHAFT (mm/in)	WT (LBS)
07	18	15-3/8	23	8-5/8	9-1/8	14-1/2	9-5/8	1-1/4	1-1/4	7/8	15-7/8	13-3/8	20 / .75	43
09	21	18	23	10-1/4	11-13/16	17-1/2	11-3/4	1-1/4	1-3/4	7/8	19	16	20 / .75	55
10	22-1/4	20	24-3/4	11-1/4	13-1/8	18-3/4	13-3/8	1-1/4	1-3/4	7/8	20-1/4	18	20 / .75	65
12	27	23	27-1/2	13-7/16	15-5/8	23-1/2	16-1/8	1-1/4	1-3/4	7/8	25	21	25 / 1	82
15	33-1/2	28	32	15-7/8	18-5/8	28	19-1/2	2-5/8	1-3/4	7/8	30-1/2	25	25 / 1	140

Metric Shafts have 'H' bushings installed to accommodate common pulleys

CVTT



Dimensions in Inches

Model	A	B	C	D	E	F	G	H	I	J	K	L	M
07	21-13/16	27-15/16	19	9-1/8	8-3/4	3-5/8	12-13/16	12-13/16	1-9/16	1-3/16	30-11/16	-	-
09	23-13/16	31-1/2	21-13/16	11-13/16	10-1/4	3-3/4	15-3/4	15-3/4	1-9/16	1-3/16	34-1/4	-	-
10	27-15/16	33-7/16	23-13/16	13-1/8	11-3/8	3-11/16	17-11/16	17-11/16	1-9/16	1-3/16	36-1/4	-	-
12	30-1/2	37-3/8	26-9/16	15-9/16	13-7/16	3-1/4	19-11/16	19-11/16	1-9/16	1-3/16	40-3/16	-	-
15	37-3/8	40-1/16	30-1/2	18-5/8	15-7/8	3-7/16	23-5/8	23-5/8	1-9/16	1-3/16	42-13/16	-	-
18	40-1/16	49-3/16	35-7/16	21-7/8	18-7/8	3-1/4	27-9/16	27-9/16	1-9/16	1-3/16	51-15/16	-	-
20	49-3/16	53-1/8	44-7/8	24-13/16	24-13/16	5-3/8	31-1/2	31-1/2	1-9/16	1-3/16	55-7/8	59-7/16	3-1/8

Model	METRIC SHAFT	WT (LBS)
07	20 mm	91
09	20 mm	110
10	20 mm	140
12	20 mm	187
15	25 mm	229
18	25 mm	312
20	35 mm	572

Metric Shafts have 'H' bushings installed to accommodate common pulleys

Performance Characteristics

CFD07/CVTT07

CFM	Outlet Velocity FPM	1/8" SP			1/4" SP			1/2" SP			3/4" SP			1" SP			1-1/2" SP			2" SP			2-1/2" SP		
		RPM	BHP	Sones	RPM	BHP	Sones	RPM	BHP	Sones	RPM	BHP	Sones	RPM	BHP	Sones	RPM	BHP	Sones	RPM	BHP	Sones	RPM	BHP	Sones
300	569	526	0.01	1.3	719	0.03	-	1026	0.06	-	1247	0.09	-	1433	0.12	-	1733	0.19	-	1980	0.26	-	2189	0.33	-
400	759	567	0.02	1.8	737	0.04	3.9	1019	0.07	-	1257	0.11	-	1448	0.15	-	1761	0.24	-	2020	0.33	-	2242	0.42	-
500	949	636	0.04	3.1	770	0.05	4.2	1027	0.09	9.3	1246	0.13	-	1450	0.18	-	1775	0.28	-	2038	0.39	-	2271	0.50	-
600	1139	719	0.06	4.3	822	0.07	6.2	1051	0.12	10.1	1255	0.16	11.8	1437	0.20	-	1777	0.32	-	2051	0.45	-	2286	0.58	-
700	1329	806	0.08	6.4	894	0.10	8.7	1086	0.15	10.8	1278	0.20	12.5	1451	0.24	14.3	1763	0.35	22	2052	0.50	-	2295	0.65	-
800	1519	894	0.12	8.6	975	0.14	10.1	1134	0.18	11.7	1308	0.24	12.9	1473	0.30	15.7	1768	0.41	23	2038	0.54	-	2292	0.71	-
900	1709	983	0.16	10.8	1062	0.19	12.1	1198	0.23	12.9	1350	0.29	13.8	1503	0.36	20.7	1785	0.48	24	2038	0.61	-	-	-	-
1000	1899	1073	0.21	12.6	1149	0.24	13.3	1272	0.29	14.7	1400	0.35	15.1	1540	0.43	17.6	1809	0.57	26	2053	0.70	-	-	-	-
1100	2089	1165	0.27	14.1	1236	0.31	14.8	1352	0.37	15.6	1465	0.43	17.7	1588	0.50	19.8	1840	0.66	29	-	-	-	-	-	-
1200	2279	1257	0.35	15.8	1325	0.39	16.5	1438	0.46	17.6	1539	0.52	23	1644	0.58	23	-	-	-	-	-	-	-	-	-
1300	2469	1351	0.43	17.9	1414	0.48	18.5	1526	0.56	21	1618	0.62	37	1713	0.69	27	-	-	-	-	-	-	-	-	-
1400	2659	1445	0.53	22	1505	0.59	22	1613	0.67	24	1701	0.74	26	-	-	-	-	-	-	-	-	-	-	-	-

CFD09/CVTT09

CFM	Outlet Velocity FPM	1/8" SP			1/4" SP			1/2" SP			3/4" SP			1" SP			1-1/2" SP			2" SP			2-1/2" SP		
		RPM	BHP	Sones	RPM	BHP	Sones	RPM	BHP	Sones	RPM	BHP	Sones	RPM	BHP	Sones	RPM	BHP	Sones	RPM	BHP	Sones	RPM	BHP	Sones
600	713	417	0.03	1.6	557	0.05	2.2	798	0.10	5.7	977	0.15	8.5	1120	0.21	10.8	1353	0.33	-	1548	0.45	-	1717	0.59	-
700	832	440	0.04	1.3	566	0.06	2.5	791	0.11	5.4	979	0.17	8.6	1128	0.23	11.1	1367	0.37	-	1564	0.50	-	1736	0.65	-
800	951	468	0.06	1.8	581	0.07	3.8	786	0.12	5.2	974	0.19	8.4	1130	0.26	11.2	1379	0.41	15.8	1578	0.56	-	1751	0.72	-
900	1070	499	0.07	2.2	601	0.10	3.1	792	0.14	5.5	964	0.21	8.1	1126	0.28	11.0	1384	0.45	16.2	1590	0.61	19.7	1764	0.79	-
1000	1189	534	0.09	2.7	625	0.12	4.1	802	0.17	5.8	964	0.23	8.1	1118	0.31	10.7	1384	0.48	16.2	1596	0.67	20	1777	0.85	24
1100	1308	573	0.12	3.4	653	0.15	6.9	816	0.20	6.7	970	0.27	8.3	1112	0.34	10.5	1379	0.52	15.8	1598	0.72	20	1784	0.92	24
1200	1427	613	0.15	4.5	682	0.18	10.3	834	0.24	8.0	979	0.30	8.6	1115	0.38	10.6	1371	0.56	15.3	1596	0.76	20	1787	0.98	24
1300	1546	654	0.19	6.1	714	0.22	5.2	856	0.28	7.0	992	0.35	8.9	1122	0.42	10.9	1362	0.60	14.8	1590	0.81	19.7	1786	1.04	24
1400	1665	696	0.23	7.0	750	0.26	5.9	881	0.33	7.6	1009	0.40	9.4	1132	0.48	11.3	1362	0.65	14.8	1582	0.87	19.3	1781	1.10	24
1500	1783	739	0.28	7.7	788	0.31	6.7	907	0.38	8.2	1028	0.46	10.1	1145	0.53	11.9	1367	0.71	15.1	1573	0.92	18.8	1775	1.17	24
1600	1902	782	0.34	8.3	828	0.37	7.5	936	0.44	8.9	1050	0.52	10.4	1162	0.60	13.6	1375	0.78	15.6	1573	0.99	18.8	1765	1.23	23
1700	2021	826	0.40	8.8	868	0.43	8.3	966	0.51	9.6	1075	0.59	11.1	1181	0.68	17.5	1385	0.86	16.2	1576	1.07	19.0	1758	1.31	23

CFD10/CVTT10

CFM	Outlet Velocity FPM	1/8" SP			1/4" SP			1/2" SP			3/4" SP			1" SP			1-1/2" SP			2" SP			2-1/2" SP		
		RPM	BHP	Sones	RPM	BHP	Sones	RPM	BHP	Sones	RPM	BHP	Sones	RPM	BHP	Sones	RPM	BHP	Sones	RPM	BHP	Sones	RPM	BHP	Sones
800	771	388	0.04	2.0	511	0.07	3.1	709	0.12	5.9	861	0.18	8.8	987	0.25	--	1196	0.41	-	1371	0.58	-	1524	0.76	-
900	868	403	0.05	2.5	520	0.08	3.7	712	0.14	6.0	866	0.21	9.0	993	0.27	11.8	1204	0.44	-	1380	0.62	-	1533	0.81	-
1000	964	422	0.06	2.4	531	0.09	4.6	713	0.15	6.1	869	0.23	9.1	998	0.31	12.0	1210	0.47	-	1387	0.66	-	1542	0.87	-
1100	1060	445	0.08	3.0	544	0.11	6.0	719	0.18	6.3	872	0.26	9.2	1002	0.34	12.2	1216	0.50	16.7	1394	0.70	-	1550	0.92	-
1200	1157	470	0.10	3.8	559	0.13	8.7	728	0.20	6.8	873	0.28	9.3	1005	0.37	12.4	1221	0.55	17.0	1400	0.74	21	1557	0.97	-
1300	1253	497	0.12	5.4	575	0.15	4.6	738	0.23	7.2	878	0.31	9.5	1007	0.40	12.5	1225	0.61	17.2	1405	0.79	21	1563	1.02	-
1400	1350	525	0.15	4.9	593	0.18	5.3	749	0.26	7.8	886	0.34	9.9	1009	0.43	12.6	1229	0.65	17.4	1410	0.86	21	1568	1.07	25
1500	1446	553	0.18	5.6	616	0.21	6.5	762	0.29	8.4	895	0.38	10.3	1013	0.47	12.8	1232	0.70	17.6	1415	0.93	22	1573	1.14	26
1600	1543	582	0.22	6.7	640	0.25	8.0	776	0.33	9.0	905	0.42	10.8	1021	0.52	13.2	1234	0.74	17.7	1419	1.00	22	1578	1.23	26
1700	1639	612	0.25	7.8	666	0.29	9.6	791	0.37	9.6	916	0.46	11.3	1030	0.57	13.7	1235	0.79	17.8	1422	1.06	22	1583	1.32	27
1800	1736	642	0.29	8.8	693	0.33	11.0	807	0.41	10.2	928	0.51	11.9	1040	0.62	14.3	1239	0.84	18.0	1424	1.12	22	1587	1.40	27
1900	1832	672	0.34	9.7	720	0.38	12.1	824	0.46	10.4	942	0.56	12.6	1051	0.68	14.9	1246	0.91	18.4	1426	1.17	22	1590	1.48	27

Performance certified is for installation Type B - Free inlet, Ducted outlet. Power rating bhp does not include transmission losses.
Performance ratings do not include the effects of appurtenances (accessories). The sound ratings shown are loudness values in fan sones at 5 ft. (1.5m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for Installation Type B: free inlet hemispherical fan sone levels.
Sone values not documented in unlisted areas.

Performance Characteristics

CFD12/CVTT12

CFM	Outlet Velocity FPM	1/8" SP			1/4" SP			1/2" SP			3/4" SP			1" SP			1-1/2" SP			2" SP			2-1/2" SP		
		RPM	BHP	Sones	RPM	BHP	Sones	RPM	BHP	Sones	RPM	BHP	Sones	RPM	BHP	Sones	RPM	BHP	Sones	RPM	BHP	Sones	RPM	BHP	Sones
1200	823	386	0.07	2.0	486	0.10	3.4	649	0.18	-	816	0.31	-	945	0.42	-	1141	0.64	-	1300	0.87		1439	1.11	-
1400	960	415	0.09	2.8	507	0.14	4.0	661	0.22	-	797	0.33	-	941	0.47	-	1155	0.75	-	1319	1.00		1460	1.26	-
1600	1097	445	0.13	4.1	533	0.17	5.0	679	0.27	10.8	801	0.37	-	921	0.50	-	1161	0.84	-	1333	1.14		1478	1.43	-
1800	1234	477	0.17	6.2	560	0.22	6.4	698	0.33	9.3	817	0.44	10.5	922	0.55	-	1144	0.89	-	1340	1.26	-	1491	1.60	-
2000	1371	511	0.22	5.1	589	0.27	7.7	720	0.39	9.9	836	0.51	10.4	937	0.64	-	1125	0.93	-	1329	1.34	-	1498	1.76	-
2200	1508	546	0.28	6.0	620	0.34	9.0	745	0.47	10.6	855	0.60	11.0	955	0.73	13.5	1129	1.02	-	1309	1.39	-	1490	1.87	-
2400	1646	582	0.34	7.3	651	0.41	10.0	772	0.55	11.4	877	0.69	11.7	973	0.84	14.0	1143	1.13	-	1298	1.47	-	1469	1.93	-
2600	1783	620	0.43	8.4	684	0.50	10.7	801	0.65	12.3	901	0.80	12.6	993	0.95	14.6	1161	1.27	-	1307	1.61	-	1452	2.00	-
2800	1920	658	0.52	9.3	718	0.60	9.8	830	0.76	13.1	927	0.92	13.5	1015	1.08	15.2	1179	1.42	18.3	1322	1.77	-	1456	2.15	-
3000	2057	697	0.63	10.3	753	0.71	11.0	859	0.88	14.0	954	1.05	14.6	1040	1.23	16.0	1198	1.59	18.9	1341	1.96	-	1468	2.34	-
3200	2194	737	0.75	11.5	788	0.84	12.3	890	1.02	15.0	983	1.20	16.1	1066	1.39	17.1	1219	1.77	19.6	1359	2.16	23	1485	2.55	-
3400	2331	777	0.89	12.9	825	0.98	13.4	922	1.18	16.0	1012	1.37	18.4	1093	1.56	19.1	1240	1.96	20	1377	2.37	24	1504	2.79	-

CFD15/CVTT15

CFM	Outlet Velocity FPM	1/8" SP			1/4" SP			1/2" SP			3/4" SP			1" SP			1-1/2" SP			2" SP			2-1/2" SP		
		RPM	BHP	Sones	RPM	BHP	Sones	RPM	BHP	Sones	RPM	BHP	Sones	RPM	BHP	Sones	RPM	BHP	Sones	RPM	BHP	Sones	RPM	BHP	Sones
1800	876	273	0.10	2.7	370	0.18	4.8	510	0.29	8.8	617	0.42	11.3	705	0.57	14.1	850	0.88	18.3	969	1.20	21	1071	1.52	24
1900	925	278	0.11	3.4	373	0.19	5.0	510	0.32	9.0	620	0.44	11.5	708	0.60	14.3	854	0.93	18.6	974	1.26	22	1077	1.59	25
2000	974	284	0.12	4.2	375	0.20	4.5	510	0.35	9.0	622	0.47	11.7	711	0.62	14.6	857	0.97	19.0	978	1.32	22	1083	1.67	25
2100	1022	290	0.14	2.9	375	0.21	4.6	510	0.38	9.0	623	0.50	11.8	714	0.65	14.9	860	1.01	19.3	982	1.37	22	1088	1.74	26
2200	1071	297	0.15	3.5	376	0.22	4.6	511	0.41	9.2	624	0.54	11.9	716	0.68	15.1	863	1.05	19.7	986	1.43	23	1092	1.81	27
2300	1120	305	0.17	4.2	378	0.23	4.7	514	0.44	10.0	624	0.58	11.9	718	0.72	15.3	866	1.09	20	989	1.48	23	1096	1.89	27
2400	1168	314	0.19	4.8	381	0.25	4.8	517	0.46	10.8	624	0.62	12.0	720	0.76	15.5	869	1.13	20	992	1.54	24	1100	1.96	27
2500	1217	323	0.21	5.5	385	0.27	5.1	521	0.49	12.0	624	0.67	12.0	721	0.81	15.5	872	1.17	21	995	1.59	24	1104	2.02	28
2600	1266	332	0.23	4.6	389	0.29	5.3	525	0.51	13.3	625	0.71	12.1	721	0.86	15.5	875	1.21	21	999	1.64	25	1107	2.09	29
2700	1314	342	0.26	5.1	394	0.32	5.6	528	0.54	14.3	626	0.76	12.2	721	0.92	15.5	877	1.26	22	1002	1.69	25	1110	2.16	29
2800	1363	352	0.29	5.6	400	0.34	5.9	530	0.56	9.0	629	0.80	12.6	721	0.98	15.5	879	1.31	22	1005	1.75	25	1113	2.22	29
2900	1412	363	0.31	6.0	406	0.37	6.2	531	0.58	9.1	632	0.84	13.0	721	1.04	15.5	881	1.37	23	1007	1.81	26	1116	2.29	29
3000	1461	373	0.35	6.4	413	0.40	6.5	531	0.60	9.2	636	0.87	13.8	722	1.09	15.6	882	1.44	23	1010	1.87	26	1119	2.36	30
3100	1509	384	0.38	6.7	420	0.43	7.1	532	0.62	9.2	640	0.91	14.5	723	1.15	15.8	883	1.51	23	1012	1.93	27	1122	2.42	30
3200	1558	394	0.42	7.0	427	0.46	8.8	533	0.65	9.3	643	0.95	15.0	725	1.21	15.9	883	1.59	23	1015	2.00	27	1125	2.49	31
3300	1607	405	0.45	7.2	436	0.50	10.3	536	0.68	9.5	646	0.98	15.6	728	1.26	16.2	883	1.68	23	1016	2.07	27	1128	2.57	32
3400	1655	416	0.49	7.4	445	0.54	12.0	539	0.71	9.7	649	1.01	13.6	732	1.31	16.6	883	1.77	23	1018	2.16	28	1130	2.64	32
3500	1704	427	0.54	7.8	454	0.58	14.1	543	0.75	10.0	650	1.04	13.7	736	1.36	16.9	883	1.86	23	1019	2.25	28	1133	2.73	32
3600	1753	437	0.58	8.3	463	0.62	16.4	547	0.80	10.7	651	1.08	13.8	740	1.41	17.3	883	1.94	23	1019	2.35	28	1135	2.81	32
3700	1801	448	0.63	8.8	473	0.67	9.4	552	0.84	11.6	651	1.10	13.8	743	1.46	17.5	884	2.03	24	1020	2.46	28	1137	2.91	33
3800	1850	459	0.68	9.4	483	0.72	10.0	557	0.89	12.5	652	1.14	13.9	746	1.51	17.8	886	2.12	25	1020	2.57	28	1138	3.01	33
3900	1899	470	0.73	9.9	493	0.78	10.8	562	0.94	13.6	653	1.18	13.9	749	1.55	17.6	888	2.20	26	1020	2.69	28	1139	3.13	33
4000	1948	481	0.79	10.5	503	0.83	11.9	568	0.99	14.9	655	1.23	14.1	750	1.59	17.7	891	2.29	27	1020	2.81	28	1140	3.25	33
4100	1996	492	0.85	11.1	513	0.89	13.1	574	1.04	16.1	658	1.28	14.3	751	1.63	17.8	894	2.36	29	1020	2.93	28	1140	3.38	33
4200	2045	503	0.91	11.7	523	0.95	14.2	581	1.10	12.5	661	1.33	14.5	751	1.67	17.8	898	2.44	32	1020	3.05	28	1140	3.52	33
4300	2094	514	0.97	12.4	534	1.02	15.4	588	1.16	13.1	665	1.39	14.9	752	1.71	17.8	902	2.52	35	1022	3.16	29	1140	3.67	33
4400	2142	526	1.04	12.9	544	1.09	16.6	595	1.22	13.8	670	1.46	15.8	753	1.76	17.9	906	2.59	39	1023	3.28	29	1140	3.81	33

Performance certified is for installation Type B - Free inlet, Ducted outlet. Power rating bhp does not include transmission losses.
Performance ratings do not include the effects of appurtenances (accessories). The sound ratings shown are loudness values in fan sones at 5 ft. (1.5m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for Installation Type B: free inlet hemispherical fan sone levels.
Sone values not documented in unlisted areas.

Performance Characteristics

CVTT18

CFM	Outlet Velocity FPM	1/8" SP			1/4" SP			1/2" SP			3/4" SP			1" SP			1-1/2" SP			2" SP			2-1/2" SP		
		RPM	BHP	Sones	RPM	BHP	Sones	RPM	BHP	Sones	RPM	BHP	Sones	RPM	BHP	Sones	RPM	BHP	Sones	RPM	BHP	Sones	RPM	BHP	Sones
3000	972	255	0.20	3.0	321	0.29	6.3	429	0.47	-	533	0.72	-	615	0.97	-	748	1.50	-	860	2.06	-	957	2.68	-
3200	1037	264	0.23	3.7	325	0.33	7.6	428	0.51	-	531	0.77	-	616	1.03	-	750	1.59	-	861	2.16	-	959	2.79	-
3400	1102	273	0.27	4.8	330	0.36	5.0	432	0.56	-	529	0.82	-	615	1.10	-	751	1.67	-	863	2.27	-	961	2.91	-
3600	1167	282	0.31	6.5	336	0.41	5.4	437	0.61	-	526	0.86	-	614	1.16	-	753	1.76	-	865	2.39	-	963	3.03	-
3800	1232	292	0.35	8.9	343	0.45	6.0	442	0.67	8.0	523	0.89	-	613	1.22	-	754	1.84	-	867	2.50	-	965	3.17	-
4000	1297	302	0.40	10.1	351	0.50	6.6	448	0.74	8.6	526	0.97	-	610	1.28	-	754	1.93	-	868	2.62	-	967	3.32	-
4200	1362	312	0.45	11.0	359	0.56	7.2	452	0.81	9.1	530	1.04	-	607	1.33	-	754	2.03	-	869	2.73	-	969	3.46	-
4400	1426	323	0.51	6.0	367	0.61	7.8	457	0.88	9.7	534	1.12	-	604	1.38	-	752	2.13	-	870	2.84	-	970	3.60	-
4600	1491	334	0.58	6.6	376	0.68	8.5	462	0.95	10.3	540	1.21	11.7	606	1.48	-	751	2.22	-	871	2.96	-	971	3.75	-
4800	1556	345	0.65	7.4	385	0.75	9.2	466	1.02	9.8	546	1.31	12.5	610	1.58	-	749	2.31	-	870	3.09	-	972	3.89	-
5000	1621	356	0.72	8.2	395	0.83	9.9	473	1.11	10.3	551	1.41	13.5	615	1.69	-	746	2.39	-	869	3.22	-	973	4.03	-
5200	1686	367	0.80	8.90	404	0.91	10.5	479	1.20	10.8	555	1.51	15	620	1.80	14.4	742	2.46	-	868	3.35	-	973	4.18	-
5400	1751	378	0.89	9.7	414	1.01	11.1	487	1.29	11.3	560	1.61	17.2	627	1.92	15.4	739	2.55	-	866	3.47	-	973	4.35	-
5600	1816	390	0.98	10.6	424	1.10	11.6	494	1.39	11.8	565	1.72	20	632	2.05	16.9	742	2.69	-	864	3.58	-	972	4.51	-
5800	1881	401	1.08	11.4	435	1.21	12.1	502	1.50	12.4	569	1.84	14.4	636	2.18	18.3	746	2.84	-	861	3.69	-	971	4.67	-
6000	1945	413	1.19	12.1	445	1.32	12.6	510	1.61	13.0	575	1.95	14.7	641	2.32	20	750	3.00	-	857	3.79	-	969	4.82	-
6200	2010	424	1.30	12.9	456	1.44	12.3	519	1.73	13.7	581	2.08	15.2	646	2.46	23	755	3.16	-	853	3.89	-	967	4.96	-
6400	2075	436	1.42	13.7	466	1.56	13.1	527	1.85	14.4	588	2.22	15.7	650	2.61	25	761	3.33	20	856	4.08	-	-	-	-
6600	2140	448	1.55	14.6	477	1.70	14.0	536	1.98	15.2	595	2.36	16.4	655	2.75	17.5	767	3.52	21	859	4.27	-	-	-	-
6800	2205	460	1.69	15.4	488	1.84	14.8	545	2.13	16.5	603	2.51	17.1	660	2.9	17.9	772	3.71	22	863	4.48	-	-	-	-
7000	2270	472	1.83	16.2	499	1.98	15.6	555	2.28	18.8	611	2.66	18.2	666	3.07	18.4	777	3.91	23	868	4.69	-	-	-	-
7200	2335	484	1.98	17.0	510	2.14	16.4	564	2.45	22	619	2.83	19.2	673	3.24	19.1	782	4.11	24	873	4.91	-	-	-	-
7400	2399	496	2.14	17.9	522	2.31	17.4	574	2.63	26	627	3	20	680	3.42	19.7	786	4.32	25	-	-	-	-	-	-
7600	2464	508	2.31	18.7	533	2.48	18.4	584	2.81	30	635	3.18	21	687	3.61	20	791	4.53	27	-	-	-	-	-	-

Performance certified is for installation Type B - Free inlet, Ducted outlet. Power rating bhp does not include transmission losses.
Performance ratings do not include the effects of appurtenances (accessories). The sound ratings shown are loudness values in fan sones at 5 ft. (1.5m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for Installation Type B: free inlet hemispherical fan sone levels.
Sone values not documented in unlisted areas..

Performance Characteristics

CVTT20

CFM	Outlet Velocity FPM	1/8" SP			1/4" SP			1/2" SP			3/4" SP			1" SP			1-1/2" SP			2" SP			2-1/2" SP		
		RPM	BHP	Sones	RPM	BHP	Sones	RPM	BHP	Sones	RPM	BHP	Sones	RPM	BHP	Sones	RPM	BHP	Sones	RPM	BHP	Sones	RPM	BHP	Sones
6000	1303	336	0.84	13.3	373	1.00	9.1	446	1.35	7.6	511	1.75	10.0	569	2.14	11.8	674	2.99	16.6	765	3.86	20	845	4.75	23
6250	1357	347	0.94	14.7	382	1.10	9.8	453	1.46	8.0	517	1.87	10.3	574	2.28	12.1	678	3.15	17.1	768	4.06	20	848	4.95	24
6500	1411	358	1.04	14.4	392	1.21	10.5	461	1.58	8.5	523	2.00	10.6	580	2.43	12.4	682	3.31	18.1	772	4.26	21	852	5.19	24
6750	1465	370	1.15	14.1	402	1.33	11.2	468	1.71	8.9	530	2.13	10.5	585	2.58	12.7	685	3.47	18.7	776	4.46	21	855	5.43	24
7000	1520	381	1.27	13.8	412	1.46	11.8	476	1.85	9.4	536	2.28	10.9	591	2.74	13.2	690	3.66	19.8	780	4.67	21	859	5.68	25
7250	1574	392	1.40	13.6	423	1.59	12.3	484	1.99	9.8	543	2.42	11.4	597	2.90	13.7	695	3.86	21	783	4.88	22	863	5.93	25
7500	1628	404	1.54	13.5	433	1.73	12.7	492	2.14	10.3	551	2.58	11.9	604	3.07	14.5	700	4.06	22	787	5.09	22	867	6.19	25
7750	1683	415	1.68	13.3	444	1.88	13.2	500	2.3	10.7	558	2.75	12.3	610	3.25	14.0	705	4.28	24	791	5.31	22	871	6.45	26
8000	1737	427	1.84	13.3	455	2.05	13.3	509	2.47	11.2	565	2.94	12.8	617	3.44	14.5	711	4.50	25	795	5.55	23	874	6.71	26
8250	1791	439	2.00	13.3	465	2.22	13.3	518	2.65	11.8	573	3.13	13.4	624	3.63	15.0	716	4.72	27	800	5.81	23	878	6.97	26
8500	1845	450	2.18	13.3	476	2.4	13.3	528	2.84	12.4	581	3.33	140	631	3.84	15.5	722	4.96	29	805	6.08	24	882	7.24	27
8750	1900	462	2.36	13.3	487	2.59	13.4	537	3.05	12.9	588	3.54	14.5	638	4.05	16.0	728	5.2	31	810	6.36	25	885	7.51	27
9000	1954	474	2.56	13.3	498	2.79	13.5	547	3.26	13.5	596	3.76	15.1	646	4.29	16.7	735	5.45	33	815	6.64	26	890	7.83	27
9250	2008	486	2.77	13.4	510	3.00	13.6	557	3.48	14.1	604	3.99	15.7	653	4.53	17.3	741	5.71	36	821	6.94	27	895	8.15	28
9500	2063	498	2.98	13.5	521	3.22	13.7	567	3.72	14.8	613	4.23	16.8	661	4.79	18.0	748	5.98	20	827	7.24	28	900	8.49	28
9750	2117	509	3.21	13.6	532	3.46	14.0	577	3.97	15.7	622	4.48	18.0	668	5.05	19.1	754	6.26	21	833	7.55	29	905	8.84	29
10000	2171	521	3.45	13.7	543	3.71	14.5	587	4.22	17	631	4.75	19.5	676	5.33	20	761	6.55	21	839	7.87	31	910	9.19	29
10250	2226	533	3.70	14.0	555	3.96	15.1	598	4.49	18.9	640	5.04	21	684	5.62	22	768	6.85	22	845	8.20	32	916	9.56	30
10500	2280	545	3.96	14.6	566	4.23	15.7	608	4.78	21	650	5.33	23	692	5.91	23	776	7.16	22	851	8.54	33	921	9.93	30
10750	2334	557	4.23	15.2	578	4.52	16.6	619	5.07	24	659	5.64	26	700	6.22	24	783	7.48	23	858	8.90	34	927	10.32	31
11000	2388	568	4.52	15.8	589	4.81	18.2	629	5.38	27	669	5.96	29	709	6.55	25	790	7.84	24	864	9.26	26	933	10.71	31
11250	2443	580	4.82	16.9	601	5.12	20	640	5.70	31	679	6.29	34	718	6.89	27	798	8.21	24	871	9.63	27	939	11.12	32
11500	2497	592	5.13	18.7	613	5.45	23	651	6.04	36	689	6.64	36	727	7.25	28	805	8.59	25	878	10.01	27	946	11.53	33
11750	2551	604	5.46	21	624	5.78	26	662	6.38	41	699	7.00	38	736	7.62	29	813	8.98	26	885	10.41	28	952	11.96	33
12000	2606	616	5.80	24	636	6.13	29	673	6.75	48	709	7.37	39	746	8.01	30	820	9.38	26	892	10.81	29	958	12.40	34

Performance certified is for installation Type B - Free inlet, Ducted outlet. Power rating bhp does not include transmission losses.
Performance ratings do not include the effects of appurtenances (accessories). The sound ratings shown are loudness values in fan sones at 5 ft. (1.5m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for Installation Type B: free inlet hemispherical fan sone levels.
Sone values not documented in unlisted areas.

Contact your Factory Representative for information on models CVTT22, CVTT25 and CVTT30.

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