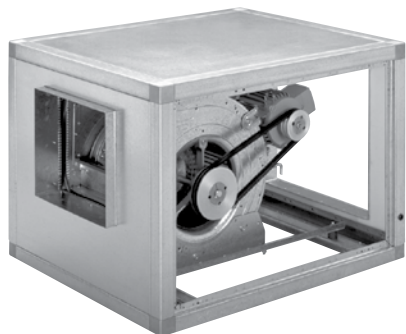


MODEL CVTT

BELT DRIVE CENTRIFUGAL CABINET FAN



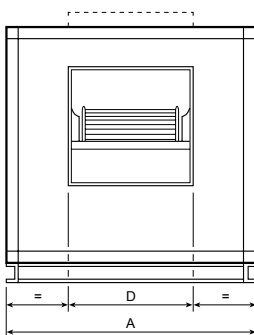
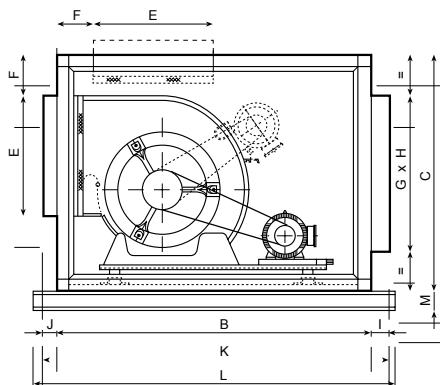
FEATURES

- 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.

DESCRIPTION

The S&P CVTT with our standard features is the Quietest forward curved cabinet fan in its category. The CVTT range of belt-drive double inlet centrifugal cabinet fans consists of 10 nominal product sizes with motor powers ranging from 0.18 up to 15.0kW. Airflow performances range from 500 up to 42,000 m3/hr, with static pressures up to 600 mmWG. The CVTT series can be supplied suitable for either horizontal (H) or vertical (V) air discharge depending upon the requirements of the installation. In addition to special order, the units can be supplied with circular inlet and discharge duct connection flanges (rectangular supplied as standard). The CVTT range of fans offer a very flexible supply or exhaust air ventilation solution to many applications, including the ventilation of factory units, offices, restaurants and commercial kitchens.

DIMENSIONAL DATA



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

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



CONSTRUCTION/SPECIFICATION CHECKLIST

Fan Housing

- Manufactured from high grade galvanized sheet steel.
- Side, top and base panels include high grade Melamine sheet acoustic insulation.
- Motor side access panel includes inspection pressure locks.
- All models are supplied as standard with the belt-drive transmission on the right hand side, when viewed from the inlet. If required, to special order, the belt-drive transmission can be supplied on the left hand side.

Fan/Impeller

- All models include double inlet, low pressure forward curved centrifugal fans as standard.
- All fan-impeller assemblies are mounted on anti-vibration mountings within the cabinet and connected to the discharge with a flexible connecting flange.
- The CVTT range can be supplied in two versions: with horizontal discharge (H); or with vertical discharge (V). As standard, all models are supplied in horizontal (H) format.

Motor/Transmission

- All models are supplied with Three Phase 230/400V 50Hz, IP55 motors.
- All motors up to 2.2kW are mounted directly to the impeller fan scroll (as in photograph).
- All motors larger than 3.0kW are mounted behind the fan scroll, directly to a robust fan-impeller base frame.
- All models utilize a standard belt and pulley transmission system.

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.



PERFORMANCE DATA

CVTT07

CFM	OV	0.125" SP		0.25" SP		0.375" SP		0.5" SP		0.625" SP		0.75" SP		1" SP		1.25" SP		1.5" SP		1.75" SP		2" SP		2.25" SP		2.5" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
200	467	507	0.01	706	0.03	856	0.04	980	0.05	1088	0.07	1184	0.09	1354	0.13	1502	0.17	1634	0.21	1756	0.26	1869	0.31	1975	0.36	2074	0.42
300	701	530	0.02	719	0.03	872	0.05	1001	0.07	1114	0.09	1214	0.11	1391	0.16	1544	0.2	1682	0.26	1807	0.31	1923	0.37	2031	0.43	2133	0.49
400	934	579	0.03	741	0.05	886	0.06	1013	0.09	1127	0.11	1230	0.13	1412	0.19	1571	0.24	1712	0.3	1841	0.36	1960	0.42	2071	0.49	2176	0.56
500	1168	645	0.04	783	0.06	912	0.08	1031	0.11	1141	0.13	1242	0.16	1425	0.22	1586	0.28	1731	0.34	1863	0.41	1985	0.48	2099	0.56	2206	0.63
600	1401	720	0.06	840	0.08	953	0.11	1061	0.13	1163	0.16	1260	0.19	1438	0.25	1598	0.32	1744	0.39	1878	0.47	2002	0.54	2118	0.62	2227	0.71
700	1635	801	0.09	907	0.11	1007	0.14	1104	0.17	1197	0.2	1287	0.23	1456	0.29	1612	0.37	1756	0.45	1890	0.53	2015	0.61	2132	0.7	-	-
800	1868	885	0.12	981	0.15	1071	0.18	1158	0.21	1243	0.24	1325	0.27	1483	0.34	1632	0.42	1772	0.5	1903	0.59	2027	0.68	2144	0.77	-	-
900	2102	972	0.17	1059	0.2	1141	0.23	1221	0.26	1298	0.29	1374	0.33	1520	0.4	1660	0.49	1793	0.57	1920	0.66	2041	0.76	-	-	-	-
1000	2335	1061	0.22	1141	0.26	1217	0.29	1290	0.32	1361	0.36	1430	0.4	1566	0.48	1697	0.56	1823	0.65	1944	0.74	-	-	-	-	-	-
1100	2569	1150	0.29	1225	0.33	1296	0.36	1363	0.4	1429	0.44	1494	0.48	1620	0.56	1742	0.65	1861	0.74	-	-	-	-	-	-	-	-
1200	2802	1241	0.37	1311	0.41	1377	0.45	1440	0.49	1502	0.53	1562	0.57	1679	0.66	1794	0.75	-	-	-	-	-	-	-	-	-	-
1300	3036	1333	0.46	1398	0.51	1460	0.55	1520	0.59	1577	0.63	1634	0.68	1744	0.77	-	-	-	-	-	-	-	-	-	-	-	-
1400	3270	1426	0.57	1487	0.62	1545	0.66	1601	0.71	1655	0.75	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1500	3503	1519	0.69	1576	0.74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

CVTT09

CFM	OV	0.125" SP		0.25" SP		0.375" SP		0.5" SP		0.625" SP		0.75" SP		1" SP		1.25" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
500	749	442	0.04	-	-	-	-	-	-	-	-	-	-	-	-	-	-
600	899	455	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-
700	1049	481	0.06	624	0.1	-	-	-	-	-	-	-	-	-	-	-	-
800	1199	513	0.08	634	0.12	-	-	-	-	-	-	-	-	-	-	-	-
900	1349	550	0.1	655	0.14	766	0.2	-	-	-	-	-	-	-	-	-	-
1000	1499	588	0.13	683	0.17	780	0.23	883	0.3	-	-	-	-	-	-	-	-
1100	1648	628	0.16	715	0.21	801	0.26	891	0.33	987	0.41	-	-	-	-	-	-
1200	1798	669	0.2	751	0.25	829	0.31	909	0.37	993	0.45	-	-	-	-	-	-
1300	1948	711	0.25	788	0.3	860	0.36	933	0.42	1008	0.5	1086	0.58	-	-	-	-
1400	2098	753	0.31	826	0.36	894	0.42	962	0.48	1030	0.55	1100	0.64	1248	0.83	-	-
1500	2248	795	0.37	866	0.43	930	0.49	993	0.55	1056	0.62	1120	0.7	1254	0.89	1397	1.12
1600	2398	838	0.44	906	0.5	968	0.56	1027	0.63	1086	0.7	1145	0.78	1267	0.96	-	-
1700	2548	881	0.51	947	0.58	1006	0.65	1063	0.72	1118	0.79	1173	0.87	1286	1.05	-	-
1800	2697	924	0.6	989	0.67	1046	0.74	1100	0.82	1152	0.89	1204	0.97	-	-	-	-
1900	2847	967	0.7	1031	0.77	1086	0.85	1138	0.93	1188	1	1237	1.09	-	-	-	-
2000	2997	1010	0.8	1073	0.89	1127	0.97	1176	1.05	1225	1.13	-	-	-	-	-	-
2100	3147	1054	0.92	1115	1.01	1167	1.09	-	-	-	-	-	-	-	-	-	-
2200	3297	1098	1.05	1158	1.14	-	-	-	-	-	-	-	-	-	-	-	-

Performance shown is for installation Type B free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances. Power rating (BHP) does not include transmission losses.





CVTT10

CFM	OV	0.125" SP		0.25" SP		0.375" SP		0.5" SP		0.625" SP		0.75" SP		1" SP		1.25" SP		1.5" SP		1.75" SP		2" SP		2.25" SP		2.5" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
400	474	372	0.02	512	0.04	617	0.07	707	0.09	785	0.12	856	0.15	982	0.21	1093	0.28	1193	0.36	1286	0.44	1371	0.52	1452	0.61	1528	0.71
500	593	380	0.03	521	0.05	627	0.08	718	0.1	795	0.13	866	0.17	992	0.23	1103	0.31	1204	0.39	1296	0.47	1382	0.56	1463	0.66	1539	0.76
600	711	389	0.04	529	0.06	637	0.09	728	0.12	807	0.15	877	0.19	1003	0.26	1114	0.34	1214	0.42	1307	0.51	1392	0.61	1473	0.71	1549	0.81
700	830	398	0.04	537	0.07	645	0.11	735	0.14	816	0.17	886	0.21	1014	0.29	1124	0.37	1226	0.46	1317	0.56	1403	0.66	1483	0.76	1560	0.87
800	949	408	0.05	546	0.09	653	0.12	744	0.16	825	0.2	897	0.24	1024	0.32	1134	0.41	1234	0.51	1327	0.61	1413	0.71	1494	0.82	1570	0.93
900	1067	420	0.06	554	0.1	662	0.14	752	0.18	832	0.22	904	0.27	1033	0.36	1144	0.45	1246	0.55	1339	0.66	1423	0.77	1504	0.88	1580	0.99
1000	1186	435	0.08	563	0.12	670	0.16	761	0.21	841	0.25	913	0.3	1042	0.4	1153	0.5	1254	0.6	1348	0.71	1435	0.83	1514	0.94	1590	1.07
1100	1304	452	0.1	574	0.14	679	0.18	769	0.23	849	0.28	921	0.33	1049	0.44	1162	0.54	1265	0.66	1358	0.77	1444	0.89	1524	1.01	-	-
1200	1423	472	0.11	585	0.16	688	0.21	777	0.26	857	0.31	930	0.37	1058	0.48	1171	0.59	1274	0.71	1367	0.83	1454	0.96	1535	1.09	-	-
1300	1541	493	0.14	598	0.18	697	0.24	786	0.29	866	0.35	938	0.41	1066	0.53	1179	0.65	1281	0.77	1376	0.9	1463	1.03	-	-	-	-
1400	1660	513	0.16	613	0.21	708	0.27	795	0.33	874	0.39	946	0.45	1075	0.57	1188	0.7	1290	0.83	1383	0.97	1470	1.11	-	-	-	-
1500	1779	536	0.19	631	0.24	720	0.3	805	0.36	883	0.43	955	0.49	1083	0.63	1196	0.76	1298	0.9	1392	1.04	-	-	-	-	-	-
1600	1897	561	0.22	649	0.28	733	0.34	816	0.4	893	0.47	964	0.54	1091	0.68	1204	0.82	1307	0.97	1400	1.12	-	-	-	-	-	-
1700	2016	586	0.26	667	0.31	748	0.38	828	0.44	903	0.52	973	0.59	1100	0.74	1213	0.89	1315	1.04	-	-	-	-	-	-	-	-
1800	2134	612	0.3	688	0.36	764	0.42	840	0.49	914	0.57	982	0.64	1108	0.8	1221	0.96	1323	1.12	-	-	-	-	-	-	-	-
1900	2253	638	0.34	708	0.4	783	0.47	854	0.54	925	0.62	993	0.7	1117	0.86	1229	1.03	-	-	-	-	-	-	-	-	-	-
2000	2371	665	0.39	730	0.45	801	0.53	869	0.6	938	0.68	1004	0.76	1127	0.93	1238	1.11	-	-	-	-	-	-	-	-	-	-
2100	2490	692	0.45	754	0.51	821	0.58	886	0.66	952	0.74	1016	0.83	1137	1.01	-	-	-	-	-	-	-	-	-	-	-	-
2200	2608	720	0.51	778	0.58	841	0.65	905	0.73	966	0.81	1029	0.9	1147	1.08	-	-	-	-	-	-	-	-	-	-	-	-
2300	2727	747	0.58	802	0.64	861	0.72	923	0.8	982	0.88	1042	0.98	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2400	2846	776	0.65	828	0.72	883	0.79	941	0.88	999	0.96	1057	1.06	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2500	2964	804	0.73	853	0.8	906	0.88	961	0.96	1017	1.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2600	3083	832	0.82	879	0.89	929	0.97	982	1.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2700	3201	861	0.91	906	0.98	954	1.06	1004	1.15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2800	3320	889	1.01	933	1.08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2900	3438	918	1.12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Performance shown is for installation Type B free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances. Power rating (BHP) does not include transmission losses.





MODEL CVTT
BELT DRIVE CENTRIFUGAL CABINET FAN



CVTT12

CFM	OV	0.125" SP		0.25" SP		0.375" SP		0.5" SP		0.625" SP		0.75" SP		1" SP		1.25" SP		1.5" SP		1.75" SP		2" SP		2.25" SP		2.5" SP			
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
800	678	345	0.05	475	0.09	573	0.13	654	0.18	724	0.23	787	0.28	896	0.39	992	0.51	1077	0.64	1155	0.77	1228	0.91	1296	1.05	1360	1.2		
900	763	349	0.06	478	0.1	578	0.15	660	0.2	731	0.25	795	0.31	906	0.43	1003	0.55	1089	0.69	1168	0.82	1241	0.97	1309	1.12	1374	1.27		
1000	848	351	0.06	481	0.11	582	0.16	666	0.22	738	0.27	802	0.34	915	0.46	1012	0.59	1100	0.73	1179	0.88	1253	1.03	1322	1.19	1387	1.35		
1100	932	357	0.07	484	0.12	585	0.18	670	0.24	743	0.3	809	0.36	923	0.5	1021	0.64	1109	0.78	1190	0.94	1264	1.1	1333	1.26	1399	1.43		
1200	1017	365	0.08	489	0.14	588	0.19	674	0.26	748	0.32	814	0.39	929	0.53	1029	0.68	1118	0.84	1199	1	1274	1.16	1344	1.33	1410	1.51		
1300	1102	374	0.1	492	0.15	591	0.21	677	0.28	752	0.35	819	0.42	935	0.57	1036	0.73	1126	0.89	1208	1.05	1284	1.23	1354	1.41	-	-	-	-
1400	1187	384	0.11	495	0.17	596	0.23	680	0.3	755	0.38	823	0.45	941	0.61	1043	0.77	1134	0.94	1216	1.12	1292	1.3	1364	1.48	-	-	-	-
1500	1272	398	0.13	501	0.19	600	0.25	684	0.33	758	0.4	826	0.48	945	0.65	1048	0.82	1140	0.99	1224	1.18	1300	1.36	1372	1.56	-	-	-	-
1600	1356	415	0.15	508	0.21	603	0.28	688	0.35	761	0.43	829	0.52	949	0.69	1053	0.87	1146	1.05	1230	1.24	1308	1.44	-	-	-	-	-	-
1700	1441	425	0.17	516	0.23	606	0.3	691	0.38	764	0.46	832	0.55	953	0.73	1058	0.91	1151	1.11	1236	1.3	1314	1.51	-	-	-	-	-	-
1800	1526	435	0.2	525	0.26	612	0.33	695	0.41	769	0.5	835	0.59	956	0.77	1062	0.97	1156	1.17	1242	1.37	1321	1.58	-	-	-	-	-	-
1900	1611	450	0.22	535	0.29	618	0.36	699	0.45	772	0.53	840	0.63	959	0.82	1065	1.02	1160	1.23	1247	1.44	1326	1.66	-	-	-	-	-	-
2000	1695	465	0.25	545	0.32	625	0.4	702	0.48	776	0.57	844	0.67	962	0.87	1068	1.07	1164	1.29	1251	1.51	-	-	-	-	-	-	-	-
2100	1780	481	0.29	557	0.36	633	0.43	707	0.52	779	0.61	848	0.71	965	0.91	1071	1.13	1167	1.35	1255	1.58	-	-	-	-	-	-	-	-
2200	1865	496	0.32	571	0.4	642	0.47	714	0.56	783	0.66	851	0.76	969	0.97	1074	1.19	1171	1.42	1259	1.65	-	-	-	-	-	-	-	-
2300	1950	513	0.36	585	0.44	652	0.52	721	0.61	788	0.7	853	0.81	973	1.02	1077	1.25	1174	1.48	-	-	-	-	-	-	-	-	-	-
2400	2034	529	0.4	597	0.48	662	0.56	729	0.66	794	0.75	857	0.86	978	1.08	1080	1.31	1177	1.55	-	-	-	-	-	-	-	-	-	-
2500	2119	546	0.45	609	0.52	674	0.61	738	0.71	801	0.81	862	0.91	982	1.14	1085	1.38	1179	1.63	-	-	-	-	-	-	-	-	-	-
2600	2204	563	0.5	624	0.57	685	0.67	747	0.76	808	0.87	868	0.97	985	1.2	1089	1.45	-	-	-	-	-	-	-	-	-	-	-	-
2700	2289	580	0.55	638	0.62	701	0.73	757	0.82	817	0.93	875	1.04	989	1.27	1093	1.52	-	-	-	-	-	-	-	-	-	-	-	-
2800	2373	597	0.61	653	0.7	715	0.79	768	0.89	825	0.99	882	1.1	991	1.34	1097	1.6	-	-	-	-	-	-	-	-	-	-	-	-
2900	2458	615	0.67	669	0.76	729	0.86	779	0.96	835	1.06	890	1.17	996	1.42	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3000	2543	632	0.74	684	0.83	740	0.93	791	1.03	845	1.14	898	1.25	1002	1.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3100	2628	650	0.81	700	0.9	752	1	806	1.1	855	1.21	907	1.33	1009	1.58	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3200	2713	668	0.88	716	0.98	766	1.08	821	1.19	866	1.3	917	1.42	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3300	2797	685	0.96	733	1.06	781	1.16	834	1.27	878	1.39	927	1.51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3400	2882	703	1.05	749	1.15	796	1.25	846	1.36	890	1.48	937	1.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3500	2967	721	1.14	766	1.24	811	1.35	857	1.46	906	1.58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3600	3052	740	1.23	783	1.34	826	1.45	871	1.56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3700	3136	758	1.33	800	1.44	842	1.55	885	1.67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3800	3221	776	1.44	817	1.55	858	1.66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3900	3306	794	1.55	834	1.66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4000	3391	813	1.66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Performance shown is for installation Type B free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances. Power rating (BHP) does not include transmission losses.





CVTT15

CFM	OV	0.125" SP		0.25" SP		0.375" SP		0.5" SP		0.625" SP		0.75" SP		1" SP		1.25" SP		
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM
1700	1039	283	0.11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1800	1100	289	0.12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1900	1161	295	0.13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2000	1222	302	0.15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2100	1283	310	0.16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2200	1345	318	0.18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2300	1406	326	0.2	396	0.27	-	-	-	-	-	-	-	-	-	-	-	-	-
2400	1467	335	0.22	401	0.29	-	-	-	-	-	-	-	-	-	-	-	-	-
2500	1528	344	0.25	406	0.31	-	-	-	-	-	-	-	-	-	-	-	-	-
2600	1589	354	0.27	412	0.34	-	-	-	-	-	-	-	-	-	-	-	-	-
2700	1650	363	0.3	418	0.37	-	-	-	-	-	-	-	-	-	-	-	-	-
2800	1711	373	0.33	425	0.4	-	-	-	-	-	-	-	-	-	-	-	-	-
2900	1772	383	0.36	433	0.43	489	0.52	549	0.62	-	-	-	-	-	-	-	-	-
3000	1834	393	0.4	441	0.47	494	0.55	551	0.65	-	-	-	-	-	-	-	-	-
3100	1895	403	0.44	449	0.5	499	0.59	554	0.69	-	-	-	-	-	-	-	-	-
3200	1956	414	0.48	457	0.54	505	0.62	558	0.73	-	-	-	-	-	-	-	-	-
3300	2017	424	0.52	466	0.58	512	0.67	562	0.77	615	0.88	-	-	-	-	-	-	-
3400	2078	434	0.56	475	0.63	519	0.71	567	0.81	618	0.93	-	-	-	-	-	-	-
3500	2139	445	0.61	484	0.68	526	0.76	572	0.86	621	0.98	672	1.1	-	-	-	-	-
3600	2200	456	0.66	493	0.72	534	0.81	578	0.91	625	1.03	674	1.15	-	-	-	-	-
3700	2261	466	0.71	502	0.78	542	0.86	584	0.96	629	1.08	676	1.22	-	-	-	-	-
3800	2322	477	0.77	512	0.83	550	0.92	590	1.02	634	1.14	679	1.26	770	1.54	-	-	-
3900	2384	488	0.82	522	0.89	558	0.98	597	1.08	639	1.19	683	1.33	774	1.6	-	-	-
4000	2445	499	0.88	532	0.96	567	1.04	604	1.14	645	1.25	687	1.39	775	1.66	-	-	-
4100	2506	510	0.95	541	1.02	575	1.11	612	1.21	651	1.32	691	1.45	777	1.73	-	-	-
4200	2567	521	1.02	552	1.09	585	1.17	620	1.28	657	1.39	696	1.52	779	1.8	-	-	-
4300	2628	532	1.09	562	1.17	594	1.25	628	1.35	664	1.46	701	1.58	781	1.88	-	-	-
4400	2689	543	1.16	572	1.24	603	1.32	636	1.42	671	1.54	707	1.66	785	1.96	865	2.27	-
4500	2750	554	1.24	582	1.32	612	1.4	644	1.5	678	1.62	713	1.74	788	2.03	867	2.35	-
4600	2811	565	1.31	593	1.4	622	1.48	653	1.59	685	1.7	720	1.82	792	2.11	869	2.43	-
4700	2873	576	1.4	603	1.48	632	1.57	662	1.67	693	1.79	726	1.91	796	2.2	871	2.52	-
4800	2934	587	1.48	614	1.57	641	1.66	670	1.76	701	1.94	733	2	801	2.28	873	2.61	-
4900	2995	599	1.58	624	1.66	651	1.75	679	1.86	709	2.03	740	2.1	806	2.38	876	2.71	-
5000	3056	610	1.67	635	1.76	661	1.85	689	1.95	718	2.13	748	2.19	812	2.47	880	2.81	-
5100	3117	621	1.77	645	1.86	671	1.95	698	2.05	726	2.23	755	2.3	818	2.58	884	2.91	-
5200	3178	632	1.87	656	1.97	681	2.05	707	2.16	735	2.35	763	2.4	824	2.68	888	3.01	-
5300	3239	644	1.98	667	2.07	691	2.16	717	2.27	744	2.39	771	2.51	830	2.79	893	3.12	-
5400	3300	655	2.09	678	2.19	702	2.28	727	2.38	753	2.5	780	2.63	837	2.91	898	3.23	-
5500	3361	666	2.2	689	2.3	712	2.4	736	2.5	762	2.62	788	2.75	844	3.03	-	-	-
5600	3423	677	2.32	699	2.42	722	2.52	746	2.62	771	2.74	797	2.87	851	3.15	-	-	-
5700	3484	689	2.44	710	2.55	733	2.65	756	2.75	780	2.87	805	3	-	-	-	-	-
5800	3545	700	2.57	721	2.67	743	2.78	766	2.88	790	3	814	3.13	-	-	-	-	-

Performance shown is for installation Type B free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances. Power rating (BHP) does not include transmission losses.





CVTT18

CFM	1/8 SP		1/4 SP		3/8 SP		1/2 SP		5/8 SP		3/4 SP		1 SP		1-1/4 SP		1-1/2 SP		2 SP	
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
2350	337	0.17	397	0.24	451	0.31	502	0.39	549	0.48	593	0.58	673	0.79	745	1.01	809	1.24	923	1.74
2450	346	0.19	404	0.25	457	0.33	507	0.42	553	0.51	597	0.6	677	0.82	748	1.04	812	1.28	927	1.79
2650	365	0.23	419	0.3	470	0.38	517	0.46	562	0.56	605	0.66	683	0.87	754	1.11	818	1.36	933	1.89
2850	384	0.27	435	0.34	484	0.43	529	0.52	572	0.61	614	0.71	690	0.94	760	1.18	824	1.44	939	1.98
3060	404	0.32	453	0.4	499	0.49	543	0.58	584	0.68	624	0.78	698	1.01	767	1.26	830	1.52	945	2.09
3575	456	0.48	499	0.57	540	0.67	579	0.77	617	0.87	653	0.98	722	1.22	787	1.49	848	1.77	960	2.37
4090	509	0.69	548	0.79	585	0.9	621	1	655	1.12	688	1.24	752	1.49	813	1.77	871	2.06	978	2.69
4600	562	0.95	599	1.06	632	1.18	665	1.3	696	1.42	727	1.55	786	1.82	842	2.1	897	2.41	999	3.07
4850	589	1.1	624	1.22	656	1.34	687	1.47	718	1.59	747	1.72	804	2	859	2.29	911	2.61	1011	3.28
5110	617	1.27	650	1.4	681	1.53	711	1.66	740	1.79	769	1.92	824	2.21	876	2.51	927	2.83	1025	3.51
5360	644	1.45	676	1.59	706	1.72	735	1.86	763	1.99	790	2.13	843	2.43	894	2.74	944	3.06	1038	3.76
5625	672	1.67	703	1.81	732	1.95	760	2.09	787	2.23	814	2.38	865	2.68	914	3	962	3.33	1054	4.04
5875	699	1.88	729	2.03	757	2.18	784	2.33	810	2.47	836	2.62	886	2.94	933	3.26	980	3.6	1069	4.32
6130	727	2.13	756	2.28	783	2.43	809	2.59	835	2.74	859	2.9	907	3.22	954	3.55	999	3.9	1086	4.64
6380	754	2.39	782	2.55	809	2.7	834	2.86	859	3.02	883	3.18	929	3.51	974	3.86	1018	4.21	1103	4.96
6645	783	2.68	810	2.85	836	3.01	860	3.18	884	3.34	908	3.51	953	3.85	996	4.2	1039	4.57	1121	5.34
7150	839	3.31	864	3.49	888	3.67	911	3.85	934	4.03	956	4.2	999	4.57	1040	4.94	1081	5.32	1159	6.12
7650	894	4.03	918	4.22	941	4.41	963	4.6	984	4.79	1005	4.98	1046	5.37	1085	5.76	1124	6.16	1198	6.99
8150	949	4.84	972	5.05	993	5.25	1014	5.46	1035	5.66	1055	5.86	1094	6.27	1131	6.68	1168	7.1	1239	7.97
8650	1004	5.76	1026	5.98	1047	6.2	1067	6.41	1086	6.63	1105	6.84	1143	7.27	1178	7.71	1213	8.15	1281	9.06
9152	1060	6.79	1081	7.03	1100	7.26	1120	7.49	1138	7.72	1157	7.94	1192	8.4	1227	8.86	1260	9.32	1326	10.26

Performance shown is for installation Type B free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances. Power rating (BHP) does not include transmission losses.



CVTT20

CFM	1/8 SP		1/4 SP		3/8 SP		1/2 SP		5/8 SP		3/4 SP		1 SP		1-1/4 SP		1-1/2 SP		2 SP	
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
2800	254	0.17	314	0.25	365	0.35	410	0.45	450	0.55	486	0.65	551	0.87	609	1.1	660	1.33	752	1.83
3200	273	0.22	328	0.32	377	0.42	420	0.53	460	0.64	496	0.76	561	0.99	618	1.24	670	1.5	762	2.04
3600	292	0.29	344	0.39	390	0.51	432	0.62	471	0.75	506	0.87	570	1.13	627	1.4	679	1.68	771	2.25
4000	313	0.37	361	0.48	405	0.61	445	0.73	483	0.86	517	1	580	1.28	637	1.57	689	1.87	781	2.48
4400	335	0.47	379	0.59	421	0.72	460	0.86	495	1	529	1.14	591	1.44	647	1.75	698	2.07	790	2.73
4800	357	0.59	399	0.72	438	0.85	475	1	509	1.15	542	1.3	603	1.62	658	1.95	708	2.29	799	2.99
5200	379	0.73	419	0.86	456	1.01	491	1.16	524	1.32	556	1.48	615	1.82	669	2.17	719	2.53	809	3.27
5500	397	0.84	434	0.99	470	1.14	504	1.3	536	1.46	567	1.63	625	1.98	678	2.34	727	2.72	817	3.49
5800	414	0.97	450	1.12	485	1.28	517	1.44	548	1.61	578	1.79	635	2.15	687	2.53	736	2.92	825	3.73
6100	432	1.12	466	1.27	499	1.43	531	1.61	561	1.78	590	1.96	645	2.34	697	2.73	745	3.14	833	3.97
6400	450	1.27	483	1.43	515	1.6	545	1.78	574	1.96	603	2.15	656	2.54	707	2.95	754	3.37	841	4.23
6700	468	1.45	500	1.61	530	1.79	560	1.97	588	2.16	616	2.35	668	2.76	717	3.18	764	3.61	850	4.5
7000	486	1.63	516	1.81	546	1.99	574	2.18	602	2.37	629	2.57	680	2.99	728	3.42	774	3.87	859	4.79
7300	504	1.84	534	2.02	562	2.2	590	2.4	616	2.6	642	2.81	692	3.24	739	3.68	784	4.14	868	5.09
7600	522	2.06	551	2.24	578	2.44	605	2.64	631	2.85	656	3.06	705	3.5	751	3.96	795	4.43	877	5.41
7900	541	2.3	568	2.49	595	2.69	621	2.9	646	3.11	671	3.33	718	3.78	763	4.25	806	4.74	887	5.74
8200	559	2.55	586	2.75	612	2.96	637	3.17	661	3.39	685	3.61	731	4.08	776	4.56	818	5.06	898	6.09
8800	596	3.12	621	3.33	645	3.55	669	3.78	692	4.01	715	4.25	759	4.74	801	5.24	842	5.77	919	6.85
9400	634	3.77	657	4	680	4.23	702	4.47	724	4.71	746	4.96	788	5.48	828	6.01	867	6.56	942	7.69
10000	671	4.51	693	4.75	715	5	736	5.25	757	5.5	777	5.76	817	6.3	856	6.86	894	7.43	966	8.62
12000	797	7.68	816	7.96	834	8.24	852	8.54	870	8.83	887	9.14	922	9.76	956	10.39	989	11.04	1053	12.4

Performance shown is for installation Type B free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances. Power rating (BHP) does not include transmission losses.





SOUND DATA

CVTT07

RPM	Sound Performance Sones (Inches w.g.)												
	0.125	0.25	0.375	0.5	0.625	0.75	1	1.25	1.5	1.75	2	2.25	2.5
500	2	-	-	-	-	-	-	-	-	-	-	-	-
600	3.8	-	-	-	-	-	-	-	-	-	-	-	-
700	5.5	4.3	-	-	-	-	-	-	-	-	-	-	-
800	7.4	6.2	5.3	-	-	-	-	-	-	-	-	-	-
900	11.3	8.2	7.2	6.5	-	-	-	-	-	-	-	-	-
1000	11.7	10.4	9.3	8.5	7.9	-	-	-	-	-	-	-	-
1100	13.7	12.9	11.7	10.8	10	9.4	-	-	-	-	-	-	-
1200	27	15.9	14.3	13.3	12.5	11.8	-	-	-	-	-	-	-
1300	31	19.9	16.8	15.6	14.8	14.1	13.3	-	-	-	-	-	-
1400	34	24	19.2	18.2	17.3	16.5	15.7	-	-	-	-	-	-
1500	37	28	23	21	20	19.2	18.1	17.6	-	-	-	-	-
1600	39	32	27	23	23	22	21	20	19.6	-	-	-	-
1700	42	35	31	27	26	25	24	23	22	22	-	-	-
1800	43	38	34	31	29	28	27	26	25	24	24	-	-
1900	45	41	38	35	33	32	30	29	28	27	27	26	26
2000	47	44	41	39	38	36	34	32	31	30	30	30	29
2100	50	48	46	44	43	41	39	37	35	34	33	33	32
2200	55	53	51	50	48	46	43	41	39	38	37	36	36

CVTT09

RPM	Sound Performance Sones (Inches w.g.)							
	0.125	0.25	0.375	0.5	0.625	0.75	1	1.25
400	4.4	-	-	-	-	-	-	-
450	5.5	-	-	-	-	-	-	-
500	6.8	-	-	-	-	-	-	-
550	8.3	8.1	-	-	-	-	-	-
600	10	9.4	-	-	-	-	-	-
650	12.2	11.5	-	-	-	-	-	-
700	14.4	13.8	13.4	-	-	-	-	-
750	16.8	16.2	15.6	-	-	-	-	-
800	19.1	18.6	18	17.8	-	-	-	-
850	21	21	20	20	20	-	-	-
900	24	23	23	23	22	-	-	-
950	26	26	26	25	25	-	-	-
1000	29	29	29	28	28	28	-	-
1050	32	32	32	31	31	31	-	-
1100	35	35	34	34	34	33	-	-
1150	37	37	37	36	36	36	36	-
1200	40	40	39	39	39	39	38	-
1250	43	43	42	42	42	41	41	41
1300	47	46	46	45	45	44	44	43

The sound ratings shown are in loudness values in fan sones at 1.5 m (5 ft) in a hemispherical free field calculated per AMCA International Standard 301. Values shown are for Installation type B: free inlet hemispherical sone levels.



CVTT10

RPM	Sound Performance Sones (Inches w.g.)												
	0.125	0.25	0.375	0.5	0.625	0.75	1	1.25	1.5	1.75	2	2.25	2.5
400	2.7	-	-	-	-	-	-	-	-	-	-	-	-
450	4.4	-	-	-	-	-	-	-	-	-	-	-	-
500	6	3.1	-	-	-	-	-	-	-	-	-	-	-
550	7.6	4.8	-	-	-	-	-	-	-	-	-	-	-
600	9.3	6.7	4.6	-	-	-	-	-	-	-	-	-	-
650	11	8.8	6.2	-	-	-	-	-	-	-	-	-	-
700	12.8	10.7	8	6.2	-	-	-	-	-	-	-	-	-
750	14.4	12.5	10.2	7.8	6.9	-	-	-	-	-	-	-	-
800	16.2	14.4	12.5	9.9	7.9	-	-	-	-	-	-	-	-
850	18	16.4	14.5	12.2	9.9	8.6	-	-	-	-	-	-	-
900	19.8	18.5	16.6	14.6	12.2	10.2	-	-	-	-	-	-	-
950	22	21	18.8	17.1	14.7	12.5	-	-	-	-	-	-	-
1000	24	23	21	19.3	17.3	15	11.5	-	-	-	-	-	-
1050	26	25	23	21	20	17.6	13.8	-	-	-	-	-	-
1100	28	27	25	24	22	20	16.2	13.7	-	-	-	-	-
1150	30	29	28	26	25	23	18.9	15.7	-	-	-	-	-
1200	32	31	30	29	27	26	22	18.3	16.2	-	-	-	-
1250	34	33	32	31	29	28	25	21	18.1	-	-	-	-
1300	37	36	35	34	32	30	28	24	21	18.7	-	-	-
1350	39	38	37	36	35	33	30	26	23	20	19.8	-	-
1400	42	41	40	39	37	36	33	30	26	23	21	-	-
1450	44	43	42	42	40	39	36	33	29	26	23	22	22
1500	47	46	45	44	43	42	38	36	32	29	26	24	24
1550	50	49	48	47	46	45	41	39	35	32	29	27	25
1600	53	52	51	50	49	48	45	42	39	35	32	30	27

The sound ratings shown are in loudness values in fan sones at 1.5 m (5 ft) in a hemispherical free field calculated per AMCA International Standard 301. Values shown are for Installation type B: free inlet hemispherical sone levels.



CVTT12

RPM	Sound Performance Sones (Inches w.g.)												
	0.125	0.25	0.375	0.5	0.625	0.75	1	1.25	1.5	1.75	2	2.25	2.5
400	3.9	-	-	-	-	-	-	-	-	-	-	-	-
450	5.3	4	-	-	-	-	-	-	-	-	-	-	-
500	6.8	5.4	4.4	-	-	-	-	-	-	-	-	-	-
550	8.6	6.9	5.9	-	-	-	-	-	-	-	-	-	-
600	10.5	8.6	7.4	6.6	-	-	-	-	-	-	-	-	-
650	12.6	10.5	9.1	8.2	7.4	-	-	-	-	-	-	-	-
700	14.7	12.6	11	9.9	9.2	8.4	-	-	-	-	-	-	-
750	16.8	14.9	13	11.7	10.8	10	-	-	-	-	-	-	-
800	18.9	17.2	15.2	13.7	12.6	11.7	10.2	-	-	-	-	-	-
850	21	19.4	17.5	15.8	14.7	13.7	12	10.4	-	-	-	-	-
900	23	22	19.9	18.2	16.8	15.8	14	12.5	-	-	-	-	-
950	26	24	22	21	19.1	18	16.1	14.6	-	-	-	-	-
1000	28	27	25	23	22	20	18.4	16.7	15.3	-	-	-	-
1050	31	29	28	26	24	23	21	19	17.4	16.1	-	-	-
1100	33	32	30	29	27	25	23	21	19.8	18.4	-	-	-
1150	36	34	33	32	30	28	25	24	22	21	19.6	-	-
1200	39	37	36	35	33	31	28	26	25	23	22	21	-
1250	42	41	39	38	36	34	31	29	27	26	24	23	22
1300	45	44	42	41	40	38	34	32	30	28	27	26	25
1350	49	47	46	44	43	41	38	35	33	31	30	28	27
1400	52	51	49	48	47	45	41	39	36	34	33	31	30

CVTT15

RPM	Sound Performance Sones (Inches w.g.)							
	0.125	0.25	0.375	0.5	0.625	0.75	1	1.25
300	3.8	-	-	-	-	-	-	-
350	5.5	-	-	-	-	-	-	-
400	7.5	6.3	-	-	-	-	-	-
450	9.6	8.3	-	-	-	-	-	-
500	11.9	10.7	9.6	-	-	-	-	-
550	14.3	13.2	12.1	11.3	-	-	-	-
600	17	15.8	14.8	13.9	13.1	-	-	-
650	19.5	18.4	17.4	16.5	15.6	-	-	-
700	22	21	20	19.2	18.3	17.5	-	-
750	25	24	23	22	21	20	18.7	-
800	28	27	26	25	24	23	22	20
850	31	30	29	28	27	26	25	23
900	34	33	33	32	31	30	28	27
950	38	37	36	35	35	34	32	31
1000	42	41	40	40	39	38	36	35
1050	47	46	45	44	43	42	41	39
1100	51	50	50	49	48	47	46	44
1150	56	56	55	54	53	52	51	49
1200	62	61	60	59	58	58	56	55
1250	66	65	64	63	63	62	60	59
1300	70	69	69	68	67	66	65	63

The sound ratings shown are in loudness values in fan sones at 1.5 m (5 ft) in a hemispherical free field calculated per AMCA International Standard 301. Values shown are for Installation type B: free inlet hemispherical sone levels.