

## Centrifugal Filtered Supply



CSF

## Belt Drive Centrifugal Filtered Supply Fans

*Advancing Ventilation*

# MODELS CSF

## BELT DRIVE CENTRIFUGAL FILTERED SUPPLY FANS

### MODEL FEATURES

- Supply air to over 13,000 CFM in static pressure capabilities to 2" w.g.
- Heavy-galvanized construction
- Belt drives permit easy performance adjustments when needed
- Forward curved centrifugal blower for efficient air flow at low sound levels
- Filters are washable and reusable
- AMCA Air and Sound Licensed
- cULus 705 Listed



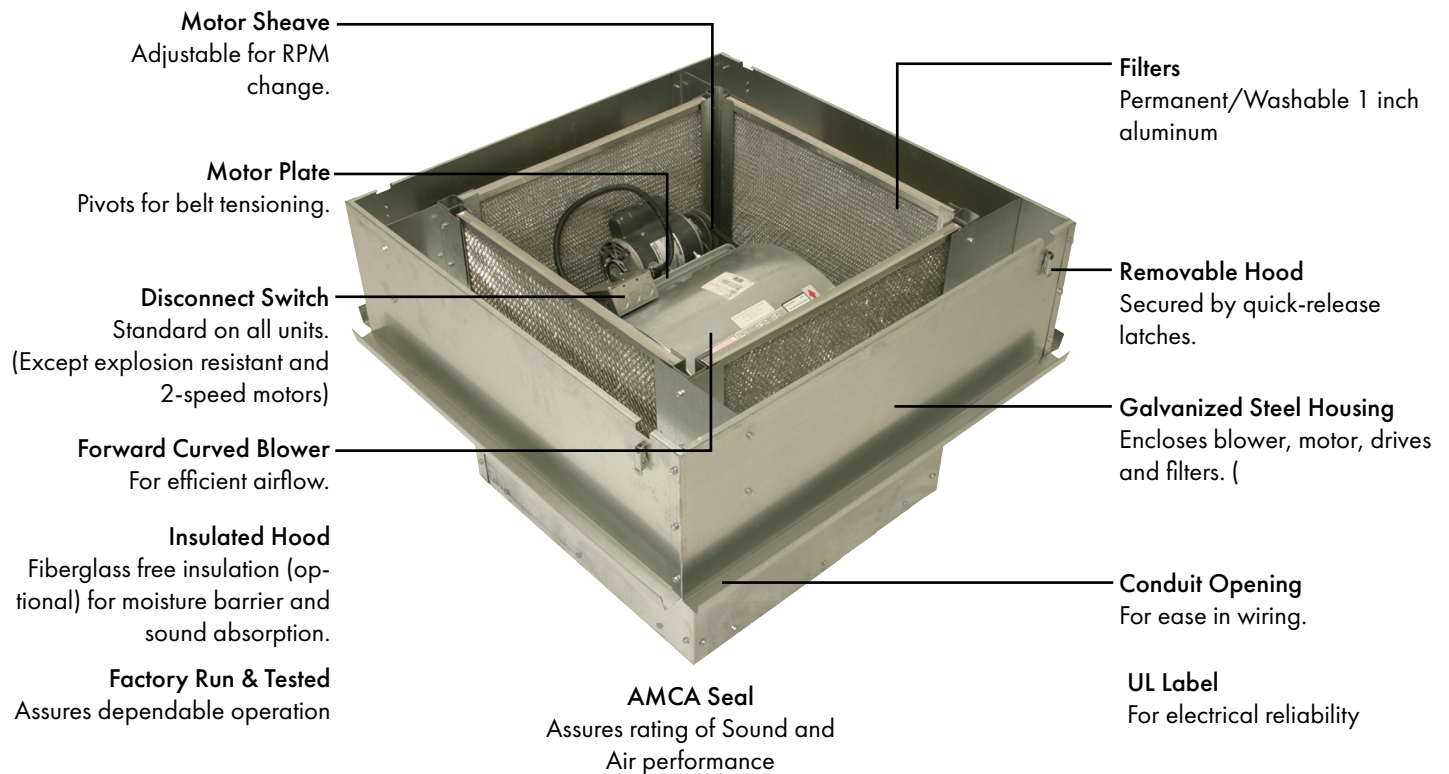
Model CSF  
Hooded Design

### MODEL OVERVIEW

Models CSF are roof mounted, filtered supply fans rated from 375 to over 13,000 CFM, with static pressure capabilities to 2". Model CSF's rugged, heavy-gauge galvanized hood and stack provide maximum weather protection and long life. All models are belt driven for easier performance adjustment and quieter operation. Adjustable motor pulleys further simplify fan speed changes.

S&P's Centrifugal Filtered Supply Fans are used to replace exhausted fumes, vapors and gases with fresh, filtered make-up air in commercial and industrial applications such as manufacturing and assembly areas, kitchens, athletic clubs and many others.

### CONSTRUCTION FEATURES AND OPTIONS



Industry best 5 year fan housing warranty, 1 year motor warranty

### Blower/Housing

- Statically and dynamically balanced forward curved wheel.
- 12-gauge galvanized steel blower plate/discharge opening.
- Heavy-gauge galvanized steel housing.
- Prepunched mounting holes.
- Conduit opening for wiring from below unit.

### Hooded/Louvered Top

- Heavy-gauge galvanized steel hood. (CSF)
- Quick-release latches for removal from housing.
- Insulated for sound absorption and moisture barrier.
- Oversized for weather protection.
- 1" washable aluminum mesh filters.

### Drives

- Adjustable motor pulleys are standard.
- Sized for minimum 150% of drive horsepower.
- Pivoting motor plate for belt tensioning.
- Non-static oil resistant V-belts.

### Bearings

- Heavy-duty ball bearing type.
- Prelubricated and permanently sealed.

### Motors

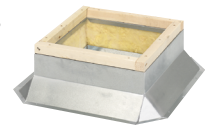
- Open drip-proof construction is standard.
- Disconnect switch standard with single speed drip-proof and totally enclosed motors.
- Optional motor enclosures and types can be specified.

### Certifications

- AMCA Air and Sound Licensed.
- cULus Standard 705 Listed Power Roof Ventilator label assures electrical reliability.
- cULus label must be specified when needed.

## OPTIONS/ACCESSORIES

**Roof Curb:** Prefabricated heavy-gauge galvanized steel, welded construction, 12" high with 1-1/2" wood nailer. Options include burglar bars, single and double pitch construction, and additional curb heights.



**Motor Operated Damper:** Motor operated aluminum damper for positive closure against backdraft (counter balanced).

**Automatic Damper:** Automatic aluminum damper for ease in installation and effective backdraft protection (counter balanced).



**Duct Adaptor:** For ease in connecting discharge duct to fan outlet.

**Side Discharge:** For convenient connection to a supply duct when mounted on roof where the inside ceiling height is limited (CSF). Not available on CSF9.

**Special Coatings:** For protective and decorative purposes. Available coatings include: Epoxy, Synthetic Resin, and Heresite (air-dried phenolic).

# CSF PERFORMANCE

## CSF 9

MODEL CSF	CFM	OV		Static Pressure in Inches w.g.									
				1/8	1/4	3/8	1/2	5/8	3/4	1			
475	540	RPM	438	-	-	-	-	-	-	-	-	-	-
		BHP	0.03	-	-	-	-	-	-	-	-	-	-
		Sones	12.7	-	-	-	-	-	-	-	-	-	-
575	653	RPM	458	607	-	-	-	-	-	-	-	-	-
		BHP	0.04	0.07	-	-	-	-	-	-	-	-	-
		Sones	12.9	15.2	-	-	-	-	-	-	-	-	-
675	767	RPM	485	619	743	-	-	-	-	-	-	-	-
		BHP	0.05	0.08	0.12	-	-	-	-	-	-	-	-
		Sones	13.4	15.5	17.5	-	-	-	-	-	-	-	-
775	881	RPM	514	639	751	858	-	-	-	-	-	-	-
		BHP	0.07	0.10	0.13	0.18	-	-	-	-	-	-	-
		Sones	13.7	15.9	17.7	19.7	-	-	-	-	-	-	-
875	994	RPM	546	663	767	865	959	-	-	-	-	-	-
		BHP	0.09	0.12	0.16	0.20	0.25	-	-	-	-	-	-
		Sones	13.9	16.5	18.1	19.9	22	-	-	-	-	-	-
975	1108	RPM	581	691	788	879	966	1051	-	-	-	-	-
		BHP	0.11	0.15	0.19	0.23	0.28	0.33	-	-	-	-	-
		Sones	14.4	17.2	18.8	20	22	24	-	-	-	-	-
1075	1222	RPM	618	721	813	898	981	1059	1213	-	-	-	-
		BHP	0.14	0.18	0.22	0.27	0.32	0.37	0.49	-	-	-	-
		Sones	15.1	17.9	19.5	21	22	24	28	-	-	-	-
1175	1335	RPM	657	752	841	922	999	1073	1216	1356	-	-	-
		BHP	0.17	0.22	0.26	0.31	0.36	0.42	0.53	0.68	-	-	-
		Sones	15.9	18.5	20	22	23	24	28	33	-	-	-
1275	1449	RPM	696	785	871	948	1021	1092	1228	1358	1485	-	-
		BHP	0.21	0.26	0.31	0.36	0.41	0.47	0.59	0.72	0.88	-	-
		Sones	17.1	19.4	21	23	24	25	29	34	39	-	-
1375	1563	RPM	737	820	901	976	1047	1113	1243	1366	1487	-	-
		BHP	0.25	0.31	0.36	0.41	0.47	0.53	0.65	0.79	0.94	-	-
		Sones	18.3	20	22	24	25	26	29	34	39	-	-
1475	1676	RPM	778	857	933	1005	1074	1138	1261	1379	1493	-	-
		BHP	0.30	0.36	0.42	0.48	0.54	0.60	0.73	0.86	1.01	-	-
		Sones	19.6	21	23	24	26	27	30	35	39	-	-
1575	1790	RPM	820	895	966	1036	1103	1165	1283	1396	1505	-	-
		BHP	0.36	0.42	0.48	0.54	0.61	0.67	0.81	0.95	1.09	-	-
		Sones	21	23	24	25	27	28	31	36	40	-	-
1675	1903	RPM	862	934	1001	1068	1132	1193	1307	1415	-	-	-
		BHP	0.42	0.49	0.55	0.62	0.69	0.75	0.89	1.04	-	-	-
		Sones	22	24	25	27	28	29	33	37	-	-	-
1775	2017	RPM	904	974	1038	1101	1163	1223	1332	1437	-	-	-
		BHP	0.49	0.57	0.63	0.70	0.77	0.84	0.99	1.14	-	-	-
		Sones	24	25	27	28	29	30	34	38	-	-	-
1875	2131	RPM	946	1014	1076	1135	1195	1253	1361	-	-	-	-
		BHP	0.57	0.65	0.72	0.80	0.87	0.94	1.09	-	-	-	-
		Sones	25	27	28	29	30	32	35	-	-	-	-
1975	2244	RPM	989	1054	1114	1171	1228	1284	-	-	-	-	-
		BHP	0.66	0.74	0.82	0.90	0.97	1.05	-	-	-	-	-
		Sones	27	28	29	30	31	33	-	-	-	-	-
2075	2358	RPM	1033	1096	1153	1208	1261	-	-	-	-	-	-
		BHP	0.76	0.85	0.93	1.01	1.09	-	-	-	-	-	-
		Sones	28	30	31	32	33	-	-	-	-	-	-
2175	2472	RPM	1075	1137	1193	1246	-	-	-	-	-	-	-
		BHP	0.86	0.96	1.04	1.13	-	-	-	-	-	-	-
		Sones	30	31	32	33	-	-	-	-	-	-	-
2275	2585	RPM	1119	1178	-	-	-	-	-	-	-	-	-
		BHP	0.98	1.08	-	-	-	-	-	-	-	-	-
		Sones	32	33	-	-	-	-	-	-	-	-	-
2375	2699	RPM	1163	-	-	-	-	-	-	-	-	-	-
		BHP	1.10	-	-	-	-	-	-	-	-	-	-
		Sones	33	-	-	-	-	-	-	-	-	-	-

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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 a distance of 1.5 m (5 ft) in a hemispherical free field calculated per AMCA International Standard 301. Values shown are for installation type B: ducted outlet hemispherical sone levels. Ratings do not include the effect of duct end correction.

CSF 10

MODEL CSF	CFM	OV		Static Pressure in Inches w.g.													
				1/8	1/4	3/8	1/2	5/8	3/4	1			2				
10	700	654	RPM	377	516	-	-	-	-	-	-	-	-	-	-	-	
			BHP	0.04	0.07	-	-	-	-	-	-	-	-	-	-	-	-
			Sones	3.3	5.8	-	-	-	-	-	-	-	-	-	-	-	-
	825	771	RPM	393	521	-	-	-	-	-	-	-	-	-	-	-	
			BHP	0.05	0.09	-	-	-	-	-	-	-	-	-	-	-	-
			Sones	3.9	5.9	-	-	-	-	-	-	-	-	-	-	-	-
	950	888	RPM	412	530	635	-	-	-	-	-	-	-	-	-	-	
			BHP	0.07	0.1	0.14	-	-	-	-	-	-	-	-	-	-	-
			Sones	4.7	6.3	9.2	-	-	-	-	-	-	-	-	-	-	-
	1075	1005	RPM	436	543	642	733	-	-	-	-	-	-	-	-	-	
			BHP	0.09	0.13	0.17	0.22	-	-	-	-	-	-	-	-	-	-
			Sones	5.7	7.1	9.6	12.6	-	-	-	-	-	-	-	-	-	-
	1200	1121	RPM	462	560	652	739	819	-	-	-	-	-	-	-	-	
			BHP	0.11	0.15	0.2	0.25	0.3	-	-	-	-	-	-	-	-	-
			Sones	6.8	7.8	10.1	12.9	15.1	-	-	-	-	-	-	-	-	-
	1325	1238	RPM	491	580	666	748	825	898	-	-	-	-	-	-	-	
			BHP	0.14	0.18	0.23	0.29	0.34	0.4	-	-	-	-	-	-	-	-
			Sones	7.9	8.7	11.1	13.3	15.3	17.5	-	-	-	-	-	-	-	-
	1450	1355	RPM	521	603	683	760	833	904	1034	-	-	-	-	-	-	
			BHP	0.17	0.22	0.27	0.33	0.39	0.45	0.58	-	-	-	-	-	-	
			Sones	9.3	9.8	11.9	13.9	15.8	17.8	22	-	-	-	-	-	-	-
	1575	1472	RPM	552	628	702	774	844	912	1039	1155	-	-	-	-	-	
			BHP	0.21	0.26	0.32	0.38	0.44	0.5	0.64	0.79	-	-	-	-	-	
			Sones	10.7	11.2	13.2	14.7	16.4	18.2	22	27	-	-	-	-	-	
	1700	1589	RPM	584	655	724	792	858	923	1045	1159	1264	-	-	-	-	
			BHP	0.26	0.31	0.37	0.43	0.5	0.56	0.71	0.86	1.02	-	-	-	-	
			Sones	12.1	12.7	14.3	15.6	17.2	18.7	22	27	32	-	-	-	-	
	1825	1706	RPM	616	683	748	812	875	936	1053	1164	1268	1457	-	-	-	
			BHP	0.31	0.37	0.43	0.49	0.56	0.63	0.78	0.94	1.1	1.45	-	-	-	
			Sones	13.5	14.4	15.5	16.7	17.9	19.5	23	28	33	43	-	-	-	
1950	1822	RPM	650	712	773	834	893	951	1064	1171	1273	1460	-	-	-		
		BHP	0.37	0.43	0.5	0.56	0.63	0.71	0.86	1.02	1.19	1.55	-	-	-		
		Sones	15.1	16.1	16.8	17.9	19.1	20	23	28	33	43	-	-	-		
2075	1939	RPM	684	742	800	857	913	969	1077	1181	1279	-	-	-	-		
		BHP	0.44	0.5	0.57	0.64	0.71	0.79	0.95	1.12	1.29	-	-	-	-		
		Sones	16.7	17.6	18.2	19.1	20	21	24	29	34	-	-	-	-		
2200	2056	RPM	718	773	828	882	935	988	1092	1192	1288	-	-	-	-		
		BHP	0.51	0.58	0.65	0.73	0.8	0.88	1.04	1.22	1.4	-	-	-	-		
		Sones	18.6	19.1	19.6	21	21	22	25	30	34	-	-	-	-		
2325	2173	RPM	752	805	857	908	959	1009	1108	1205	1298	-	-	-	-		
		BHP	0.6	0.67	0.74	0.82	0.9	0.98	1.15	1.33	1.52	-	-	-	-		
		Sones	20	21	21	22	23	24	27	30	35	-	-	-	-		
2450	2290	RPM	787	837	887	936	984	1032	1127	1219	-	-	-	-			
		BHP	0.69	0.77	0.84	0.92	1	1.09	1.26	1.45	-	-	-	-			
		Sones	22	22	23	23	24	25	28	32	-	-	-	-			
2575	2407	RPM	822	870	917	964	1010	1056	1147	1236	-	-	-	-			
		BHP	0.8	0.87	0.95	1.04	1.12	1.21	1.39	1.58	-	-	-	-			
		Sones	23	24	24	25	25	27	29	33	-	-	-	-			
2700	2523	RPM	858	903	949	993	1037	1081	1168	-	-	-	-				
		BHP	0.91	0.99	1.08	1.16	1.25	1.34	1.52	-	-	-	-				
		Sones	25	26	26	27	27	28	31	-	-	-	-				
2825	2640	RPM	893	937	980	1023	1065	1107	-	-	-	-					
		BHP	1.03	1.12	1.21	1.3	1.39	1.48	-	-	-	-					
		Sones	27	27	28	28	29	30	-	-	-	-					
2950	2757	RPM	929	971	1012	1053	1094	-	-	-	-						
		BHP	1.17	1.26	1.35	1.44	1.53	-	-	-	-						
		Sones	28	29	29	30	31	-	-	-	-						
3075	2874	RPM	965	1005	1045	1084	-	-	-	-							
		BHP	1.32	1.41	1.5	1.6	-	-	-	-							
		Sones	30	31	31	32	-	-	-	-							
3200	2991	RPM	1001	1040	-	-	-	-	-	-							
		BHP	1.48	1.57	-	-	-	-	-	-							
		Sones	32	33	-	-	-	-	-	-							



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CSF12

MODEL CSF	CFM	OV		Static Pressure in Inches w.g.											
				1/8	1/4	3/8	1/2	5/8	3/4	1	1-1/4	1-1/2	2		
12	1150	767	RPM	338	-	-	-	-	-	-	-	-	-	-	-
			BHP	0.08	-	-	-	-	-	-	-	-	-	-	-
			Sones	3.3	-	-	-	-	-	-	-	-	-	-	-
	1300	867	RPM	353	459	-	-	-	-	-	-	-	-	-	-
			BHP	0.1	0.14	-	-	-	-	-	-	-	-	-	-
			Sones	4.1	5.4	-	-	-	-	-	-	-	-	-	-
	1450	967	RPM	372	464	-	-	-	-	-	-	-	-	-	-
			BHP	0.12	0.17	-	-	-	-	-	-	-	-	-	-
			Sones	4.9	5.7	-	-	-	-	-	-	-	-	-	-
	1600	1067	RPM	394	475	563	-	-	-	-	-	-	-	-	-
			BHP	0.15	0.2	0.27	-	-	-	-	-	-	-	-	-
			Sones	6.2	6.3	7.9	-	-	-	-	-	-	-	-	-
1750	1167	RPM	417	490	567	649	-	-	-	-	-	-	-	-	
		BHP	0.19	0.24	0.3	0.38	-	-	-	-	-	-	-	-	
		Sones	7.5	7.1	8.2	10.5	-	-	-	-	-	-	-	-	
1900	1267	RPM	441	507	577	651	-	-	-	-	-	-	-	-	
		BHP	0.23	0.28	0.35	0.43	-	-	-	-	-	-	-	-	
		Sones	8.5	8.1	8.7	10.7	-	-	-	-	-	-	-	-	
2050	1367	RPM	465	527	590	657	726	-	-	-	-	-	-	-	
		BHP	0.28	0.34	0.4	0.48	0.57	-	-	-	-	-	-	-	
		Sones	9.5	9.2	9.5	11.1	12.8	-	-	-	-	-	-	-	
2200	1467	RPM	491	548	606	667	730	795	-	-	-	-	-	-	
		BHP	0.33	0.4	0.46	0.54	0.63	0.73	-	-	-	-	-	-	
		Sones	10.6	10.5	10.5	11.8	13.1	14.9	-	-	-	-	-	-	
2350	1567	RPM	517	570	624	680	738	798	-	-	-	-	-	-	
		BHP	0.4	0.46	0.53	0.61	0.7	0.79	-	-	-	-	-	-	
		Sones	11.6	11.9	11.9	12.7	13.6	15.1	-	-	-	-	-	-	
2500	1667	RPM	544	593	643	695	748	804	918	-	-	-	-	-	
		BHP	0.47	0.54	0.61	0.69	0.78	0.87	1.1	-	-	-	-	-	
		Sones	12.9	13.7	13.2	13.6	14.3	15.5	19.1	-	-	-	-	-	
2650	1767	RPM	570	617	664	712	762	813	919	1029	-	-	-	-	
		BHP	0.55	0.62	0.7	0.78	0.87	0.96	1.18	1.44	-	-	-	-	
		Sones	14.2	14.9	14.9	14.8	15.2	16.1	19.1	24	-	-	-	-	
2800	1867	RPM	597	642	686	731	778	825	924	1026	-	-	-	-	
		BHP	0.64	0.72	0.8	0.88	0.97	1.06	1.28	1.53	-	-	-	-	
		Sones	15.6	16.4	16.3	16.1	16.3	16.9	19.5	24	-	-	-	-	
2950	1967	RPM	625	667	709	752	795	839	932	1028	-	-	-	-	
		BHP	0.74	0.82	0.9	0.99	1.08	1.18	1.39	1.64	-	-	-	-	
		Sones	17.1	17.9	18.1	17.5	17.4	17.8	20	24	-	-	-	-	
3100	2067	RPM	652	693	733	773	814	855	942	1032	1124	-	-	-	
		BHP	0.85	0.93	1.02	1.11	1.2	1.3	1.52	1.76	2.04	-	-	-	
		Sones	18.6	19.2	19.7	19.1	18.9	19.1	21	24	28	-	-	-	
3250	2167	RPM	680	718	757	795	834	873	954	1039	-	-	-	-	
		BHP	0.97	1.06	1.15	1.24	1.34	1.44	1.65	1.9	-	-	-	-	
		Sones	20	20	21	21	21	20	22	25	-	-	-	-	
3400	2267	RPM	708	745	781	818	855	892	969	1048	-	-	-	-	
		BHP	1.1	1.19	1.29	1.38	1.48	1.58	1.8	2.05	-	-	-	-	
		Sones	21	22	22	23	22	22	23	25	-	-	-	-	
3550	2367	RPM	736	771	806	841	876	912	984	-	-	-	-	-	
		BHP	1.24	1.34	1.44	1.54	1.64	1.74	1.97	-	-	-	-	-	
		Sones	23	24	24	25	24	24	25	-	-	-	-	-	
3700	2467	RPM	764	798	832	865	899	933	1002	-	-	-	-	-	
		BHP	1.4	1.5	1.6	1.71	1.81	1.92	2.14	-	-	-	-	-	
		Sones	25	25	25	26	26	25	26	-	-	-	-	-	
3850	2567	RPM	792	825	857	890	922	954	-	-	-	-	-	-	
		BHP	1.57	1.67	1.78	1.89	2	2.1	-	-	-	-	-	-	
		Sones	26	26	27	27	27	26	-	-	-	-	-	-	
4000	2667	RPM	820	852	883	914	-	-	-	-	-	-	-	-	
		BHP	1.75	1.86	1.97	2.08	-	-	-	-	-	-	-	-	
		Sones	27	28	28	29	-	-	-	-	-	-	-	-	
4150	2767	RPM	849	879	-	-	-	-	-	-	-	-	-	-	
		BHP	1.94	2.06	-	-	-	-	-	-	-	-	-	-	
		Sones	28	29	-	-	-	-	-	-	-	-	-	-	



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CSF 15

MODEL CSF	CFM	OV		Static Pressure in Inches w.g.											
				1/8	1/4	3/8	1/2	5/8	3/4	1	1-1/4	1-1/2	2		
15	1625	763	RPM	285	-	-	-	-	-	-	-	-	-	-	-
			BHP	0.1	-	-	-	-	-	-	-	-	-	-	-
			Sones	3.6	-	-	-	-	-	-	-	-	-	-	-
	1825	857	RPM	296	389	-	-	-	-	-	-	-	-	-	-
			BHP	0.12	0.2	-	-	-	-	-	-	-	-	-	-
			Sones	4.1	6.4	-	-	-	-	-	-	-	-	-	-
	2125	998	RPM	319	398	475	-	-	-	-	-	-	-	-	-
			BHP	0.17	0.25	0.34	-	-	-	-	-	-	-	-	-
			Sones	4.9	6.8	9.1	-	-	-	-	-	-	-	-	-
	2325	1092	RPM	337	403	479	548	-	-	-	-	-	-	-	-
			BHP	0.22	0.29	0.38	0.49	-	-	-	-	-	-	-	-
			Sones	5.9	7.1	9.2	11.6	-	-	-	-	-	-	-	-
	2625	1232	RPM	367	421	488	550	-	-	-	-	-	-	-	-
			BHP	0.29	0.36	0.46	0.57	-	-	-	-	-	-	-	-
			Sones	7.2	7.9	9.8	11.7	-	-	-	-	-	-	-	-
	2825	1326	RPM	388	436	493	559	614	-	-	-	-	-	-	-
			BHP	0.36	0.43	0.52	0.63	0.75	-	-	-	-	-	-	-
			Sones	8.2	8.6	10.1	12.3	14.2	-	-	-	-	-	-	-
	3125	1467	RPM	420	462	510	566	624	673	-	-	-	-	-	-
			BHP	0.47	0.54	0.63	0.74	0.87	1	-	-	-	-	-	-
			Sones	9.7	9.9	10.9	12.6	14.8	16.9	-	-	-	-	-	-
	3325	1561	RPM	442	481	524	572	629	680	775	-	-	-	-	-
			BHP	0.55	0.63	0.72	0.83	0.95	1.09	1.39	-	-	-	-	-
			Sones	10.8	11.1	11.7	13.1	15.2	17.5	21	-	-	-	-	-
	3625	1702	RPM	476	510	548	590	637	688	777	-	-	-	-	-
			BHP	0.7	0.78	0.87	0.98	1.11	1.24	1.55	-	-	-	-	-
			Sones	12.6	12.6	13.1	14.2	15.7	18.1	22	-	-	-	-	-
	3825	1796	RPM	499	531	566	604	646	693	782	867	-	-	-	-
			BHP	0.82	0.9	0.99	1.1	1.22	1.36	1.67	2.02	-	-	-	-
			Sones	13.8	13.9	14.3	15.1	16.3	18.4	22	26	-	-	-	-
4125	1937	RPM	534	562	594	628	665	704	793	869	-	-	-	-	
		BHP	1.01	1.1	1.19	1.3	1.42	1.56	1.87	2.22	-	-	-	-	
		Sones	15.6	15.7	16.1	16.7	17.8	19.2	23	26	-	-	-	-	
4325	2031	RPM	557	584	613	645	679	715	798	877	951	-	-	-	
		BHP	1.16	1.25	1.34	1.45	1.58	1.71	2.02	2.37	2.76	-	-	-	
		Sones	16.9	17.1	17.3	17.8	18.9	19.8	23	26	29	-	-	-	
4625	2171	RPM	593	617	644	672	703	735	807	887	957	-	-	-	
		BHP	1.4	1.49	1.6	1.71	1.83	1.97	2.27	2.62	3.01	-	-	-	
		Sones	19.1	19.3	19.4	19.9	21	22	24	27	30	-	-	-	
4825	2265	RPM	616	640	664	691	720	750	816	892	964	-	-	-	
		BHP	1.59	1.68	1.78	1.9	2.02	2.16	2.46	2.81	3.2	-	-	-	
		Sones	21	21	21	22	22	23	25	27	31	-	-	-	
5125	2406	RPM	652	673	697	721	747	775	834	898	-	-	-	-	
		BHP	1.89	1.99	2.09	2.21	2.33	2.47	2.78	3.12	-	-	-	-	
		Sones	23	24	24	24	24	25	26	28	-	-	-	-	
5325	2500	RPM	676	696	718	742	766	792	848	-	-	-	-	-	
		BHP	2.11	2.21	2.32	2.44	2.57	2.7	3.01	-	-	-	-	-	
		Sones	25	25	25	25	25	26	27	-	-	-	-	-	
5625	2641	RPM	712	731	751	773	796	820	-	-	-	-	-	-	
		BHP	2.48	2.58	2.69	2.81	2.94	3.08	-	-	-	-	-	-	
		Sones	27	27	27	27	27	28	-	-	-	-	-	-	
5825	2735	RPM	736	754	774	794	-	-	-	-	-	-	-	-	
		BHP	2.74	2.85	2.97	3.09	-	-	-	-	-	-	-	-	
		Sones	28	29	28	29	-	-	-	-	-	-	-	-	
6125	2876	RPM	772	789	-	-	-	-	-	-	-	-	-	-	
		BHP	3.17	3.29	-	-	-	-	-	-	-	-	-	-	
		Sones	31	32	-	-	-	-	-	-	-	-	-	-	

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CSF18

MODEL CSF	CFM	OV		Static Pressure in Inches w.g.													
				1/8	1/4	3/8	1/2	5/8	3/4	1	1-1/4	1-1/2	2				
18	2250	765	RPM	253	-	-	-	-	-	-	-	-	-	-	-	-	-
			BHP	0.14	-	-	-	-	-	-	-	-	-	-	-	-	-
			Sones	2.1	-	-	-	-	-	-	-	-	-	-	-	-	-
	2600	884	RPM	269	336	-	-	-	-	-	-	-	-	-	-	-	-
			BHP	0.18	0.26	-	-	-	-	-	-	-	-	-	-	-	-
			Sones	2.8	3.4	-	-	-	-	-	-	-	-	-	-	-	-
	2950	1003	RPM	283	346	404	459	509	-	-	-	-	-	-	-	-	-
			BHP	0.23	0.32	0.42	0.54	0.66	-	-	-	-	-	-	-	-	-
			Sones	3.5	3.9	4.7	5.9	7.1	-	-	-	-	-	-	-	-	-
	3300	1122	RPM	302	359	413	465	513	558	-	-	-	-	-	-	-	-
			BHP	0.3	0.4	0.5	0.62	0.75	0.89	-	-	-	-	-	-	-	-
			Sones	4.4	4.5	5.2	6.3	7.3	8.7	-	-	-	-	-	-	-	-
	3650	1241	RPM	323	375	426	473	519	563	643	716	-	-	-	-	-	-
			BHP	0.38	0.49	0.6	0.72	0.86	1	1.31	1.65	-	-	-	-	-	-
			Sones	5.5	5.4	6.1	6.7	7.7	9.1	12.4	14.5	-	-	-	-	-	-
	4000	1361	RPM	344	392	438	483	527	568	647	719	-	-	-	-	-	-
			BHP	0.48	0.59	0.71	0.84	0.98	1.13	1.45	1.79	-	-	-	-	-	-
			Sones	6.8	6.3	6.7	7.3	8.2	9.4	12.6	14.7	-	-	-	-	-	-
4350	1480	RPM	365	410	453	497	536	576	652	722	787	-	-	-	-	-	
		BHP	0.6	0.72	0.84	0.98	1.12	1.27	1.6	1.96	2.34	-	-	-	-	-	
		Sones	7.9	7.4	7.6	8.2	8.9	10.1	13.1	14.9	16.7	-	-	-	-	-	
4700	1599	RPM	387	429	470	509	550	586	658	726	790	-	-	-	-	-	
		BHP	0.73	0.86	1	1.14	1.28	1.44	1.78	2.15	2.54	-	-	-	-	-	
		Sones	9.7	8.6	8.7	9.1	9.9	11.1	13.4	15.3	17.2	-	-	-	-	-	
5050	1718	RPM	410	450	488	525	563	597	666	732	794	909	-	-	-	-	
		BHP	0.88	1.02	1.17	1.31	1.47	1.63	1.98	2.35	2.76	3.63	-	-	-	-	
		Sones	12.1	10.2	10.1	10.4	11.2	11.9	14.1	15.8	17.6	21	-	-	-	-	
5400	1837	RPM	433	470	506	541	576	611	675	739	799	912	-	-	-	-	
		BHP	1.06	1.21	1.36	1.52	1.68	1.84	2.2	2.58	3	3.89	-	-	-	-	
		Sones	14.6	12.1	11.7	11.8	12.3	13.3	14.7	16.3	17.9	22	-	-	-	-	
5750	1956	RPM	456	492	526	559	591	624	686	747	806	916	-	-	-	-	
		BHP	1.25	1.42	1.58	1.74	1.91	2.08	2.45	2.84	3.26	4.17	-	-	-	-	
		Sones	17.7	13.9	13.5	13.4	13.7	14.5	15.6	16.9	18.5	22	-	-	-	-	
6100	2075	RPM	479	513	546	577	608	639	701	757	813	921	-	-	-	-	
		BHP	1.47	1.65	1.82	1.99	2.17	2.35	2.72	3.13	3.56	4.48	-	-	-	-	
		Sones	21	16.1	15.5	15.1	15.3	15.8	16.7	17.7	19.1	22	-	-	-	-	
6450	2194	RPM	503	535	566	596	626	655	714	768	822	927	-	-	-	-	
		BHP	1.72	1.91	2.09	2.27	2.45	2.64	3.03	3.44	3.88	4.83	-	-	-	-	
		Sones	24	18.7	17.3	16.8	16.9	17.1	17.8	18.6	19.7	23	-	-	-	-	
6800	2313	RPM	527	558	587	616	644	672	727	782	833	934	-	-	-	-	
		BHP	1.99	2.19	2.38	2.57	2.76	2.96	3.36	3.79	4.23	5.2	-	-	-	-	
		Sones	26	21	19.1	18.6	18.8	18.4	18.9	19.7	21	23	-	-	-	-	
7150	2432	RPM	551	580	609	636	663	690	742	794	844	942	-	-	-	-	
		BHP	2.3	2.5	2.7	2.9	3.11	3.31	3.73	4.16	4.62	5.6	-	-	-	-	
		Sones	28	24	21	21	20	19.9	20	21	22	24	-	-	-	-	
7500	2551	RPM	575	603	630	657	683	709	759	808	859	951	-	-	-	-	
		BHP	2.63	2.85	3.06	3.27	3.48	3.69	4.12	4.57	5.04	6.04	-	-	-	-	
		Sones	30	27	23	22	22	22	22	22	23	25	-	-	-	-	
7850	2670	RPM	599	626	652	678	703	728	776	824	871	961	-	-	-	-	
		BHP	2.99	3.22	3.44	3.66	3.88	4.1	4.55	5.01	5.5	6.52	-	-	-	-	
		Sones	32	29	25	24	24	24	24	24	25	26	-	-	-	-	
8200	2789	RPM	623	649	675	699	723	747	794	840	885	973	-	-	-	-	
		BHP	3.38	3.63	3.86	4.09	4.32	4.55	5.02	5.49	5.99	7.03	-	-	-	-	
		Sones	34	32	27	26	25	25	25	25	26	27	-	-	-	-	



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UL STANDARD 705

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 a distance of 1.5 m (5 ft) in a hemispherical free field calculated per AMCA International Standard 301. Values shown are for installation type B: ducted outlet hemispherical sone levels. Ratings do not include the effect of duct end correction.



CSF18 Cont.

MODEL CSF	CFM	OV		Static Pressure in Inches w.g.									
				1/8	1/4	3/8	1/2	5/8	3/4	1			2
18	8550	2908	RPM	647	673	697	721	744	767	812	856	900	987
			BHP	3.81	4.07	4.31	4.55	4.79	5.03	5.51	6.01	6.51	7.58
			Sones	36	35	30	28	27	27	27	27	27	28
	8900	3027	RPM	672	696	720	743	766	788	831	874	916	-
			BHP	4.28	4.54	4.8	5.05	5.3	5.55	6.05	6.56	7.08	-
			Sones	39	39	34	30	29	29	29	29	29	-
	9250	3146	RPM	696	720	743	765	787	808	851	892	933	-
			BHP	4.78	5.06	5.33	5.59	5.85	6.11	6.63	7.15	7.69	-
			Sones	41	42	37	33	31	31	31	31	31	-
	9600	3265	RPM	721	744	766	788	809	829	870	910	-	-
			BHP	5.32	5.61	5.89	6.16	6.43	6.7	7.24	7.78	-	-
			Sones	44	45	41	37	34	34	34	34	-	-
	9950	3384	RPM	745	768	789	810	831	851	-	-	-	-
			BHP	5.9	6.2	6.49	6.78	7.06	7.34	-	-	-	-
				48	49	45	41	37	36	-	-	-	-
	10300	3503	RPM	771	796	819	840	862	-	-	-	-	-
			BHP	6.5	6.9	7.2	7.5	7.8	-	-	-	-	-
			Sones	52	53	51	46	42	-	-	-	-	-
	10650	3622	RPM	796	820	842	-	-	-	-	-	-	-
			BHP	7.3	7.6	7.8	-	-	-	-	-	-	-
			Sones	56	57	56	-	-	-	-	-	-	-

CSF20

MODEL CSF	CFM	OV		Static Pressure in Inches w.g.										
				1/8	1/4	3/8	1/2	5/8	3/4	1	1-1/4	1-1/2	2	
20	2800	698	RPM	223	288	342	-	-	-	-	-	-	-	-
			BHP	0.16	0.25	0.35	-	-	-	-	-	-	-	-
			Sones	3.7	5.4	7.6	-	-	-	-	-	-	-	-
	3340	833	RPM	241	299	351	397	-	-	-	-	-	-	-
			BHP	0.22	0.32	0.44	0.56	-	-	-	-	-	-	-
			Sones	4.8	6.2	8.5	10.8	-	-	-	-	-	-	-
	3880	968	RPM	262	313	361	405	-	-	-	-	-	-	-
			BHP	0.31	0.42	0.55	0.68	-	-	-	-	-	-	-
			Sones	6.1	7.2	9.3	11.7	-	-	-	-	-	-	-
	4420	1102	RPM	285	331	375	416	455	-	-	-	-	-	-
			BHP	0.42	0.55	0.68	0.83	0.98	-	-	-	-	-	-
			Sones	7.6	8.6	10.6	12.9	14.8	-	-	-	-	-	-
	4960	1237	RPM	310	350	390	429	465	500	-	-	-	-	-
			BHP	0.57	0.7	0.84	1	1.16	1.33	-	-	-	-	-
			Sones	9.3	10.3	12.1	14.3	15.8	17.3	-	-	-	-	-
	5500	1372	RPM	335	372	408	444	478	511	-	-	-	-	-
			BHP	0.74	0.88	1.03	1.2	1.37	1.55	-	-	-	-	-
			Sones	11.3	12.4	13.9	15.7	16.9	18.4	-	-	-	-	-
	6040	1506	RPM	361	394	428	461	493	524	-	-	-	-	-
			BHP	0.96	1.1	1.26	1.44	1.62	1.81	-	-	-	-	-
			Sones	13.9	14.8	16.3	17.3	18.4	19.6	-	-	-	-	-
	6580	1641	RPM	388	418	449	479	510	539	596	649	-	-	-
			BHP	1.21	1.36	1.53	1.71	1.91	2.11	2.53	2.98	-	-	-
			Sones	16.8	17.5	18.4	19.1	20	21	24	27	-	-	-
7120	1776	RPM	415	443	471	499	527	557	609	661	709	800	-	
		BHP	1.51	1.67	1.85	2.04	2.24	2.45	2.89	3.36	3.85	4.85	-	
		Sones	19.8	20	20	21	22	23	25	28	32	40	-	
7660	1910	RPM	442	468	494	521	547	573	624	673	721	809	-	
		BHP	1.85	2.02	2.21	2.4	2.61	2.83	3.3	3.79	4.29	5.36	-	
		Sones	22	22	22	23	24	25	27	30	34	42	-	
8200	2045	RPM	470	494	518	543	568	592	641	687	733	819	-	
		BHP	2.25	2.43	2.62	2.82	3.04	3.27	3.75	4.26	4.79	5.9	-	
		Sones	25	25	25	26	26	27	29	32	35	43	-	
8740	2180	RPM	497	520	543	566	589	612	658	703	746	830	-	
		BHP	2.7	2.88	3.09	3.3	3.52	3.76	4.26	4.78	5.33	6.49	-	
		Sones	27	28	28	28	28	29	31	34	37	45	-	
9280	2314	RPM	525	547	568	590	612	634	677	719	761	842	-	
		BHP	3.2	3.4	3.61	3.83	4.06	4.31	4.82	5.36	5.93	7.13	-	
		Sones	30	31	30	31	31	32	34	36	40	47	-	
9820	2449	RPM	554	574	594	615	635	656	697	737	777	855	-	
		BHP	3.77	3.98	4.2	4.43	4.67	4.92	5.45	6.01	6.6	7.84	-	
		Sones	33	34	33	33	34	34	37	39	42	50	-	
10360	2584	RPM	582	601	620	640	659	678	717	756	795	-	-	
		BHP	4.41	4.62	4.85	5.09	5.33	5.59	6.14	6.71	7.32	-	-	
		Sones	35	37	37	36	37	37	40	42	45	-	-	
10900	2718	RPM	610	628	647	665	683	702	739	776	-	-	-	
		BHP	5.11	5.33	5.57	5.81	6.07	6.34	6.9	7.49	-	-	-	
		Sones	38	39	39	39	40	41	43	46	-	-	-	
11440	2853	RPM	639	656	673	691	708	726	761	-	-	-	-	
		BHP	5.88	6.12	6.36	6.62	6.88	7.16	7.73	-	-	-	-	
		Sones	41	43	43	44	44	45	47	-	-	-	-	
11980	2988	RPM	667	684	700	717	734	-	-	-	-	-	-	
		BHP	6.73	6.97	7.23	7.49	7.77	-	-	-	-	-	-	
		Sones	45	47	48	48	49	-	-	-	-	-	-	
12520	3122	RPM	696	-	-	-	-	-	-	-	-	-	-	
		BHP	7.66	-	-	-	-	-	-	-	-	-	-	
		Sones	50	-	-	-	-	-	-	-	-	-	-	



JENCOFANUSA Ventilation Systems, LLC., Div. of Soler & Palau Ventilation Group, certifies that the Model CSF shown herein are licensed to bear the AMCA Seal. The ratings shown are based on test and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the requirement of the AMCA Certified Ratings Program.



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 a distance of 1.5 m (5 ft) in a hemispherical free field calculated per AMCA International Standard 301. Values shown are for installation type B: ducted outlet hemispherical sone levels. Ratings do not include the effect of duct end correction.