



Model CSF
Hooded Design



Model LSF
Louvered Penthouse Design

MODELS CSF & LSF

BELT DRIVE CENTRIFUGAL FILTERED SUPPLY FANS

MODEL FEATURES

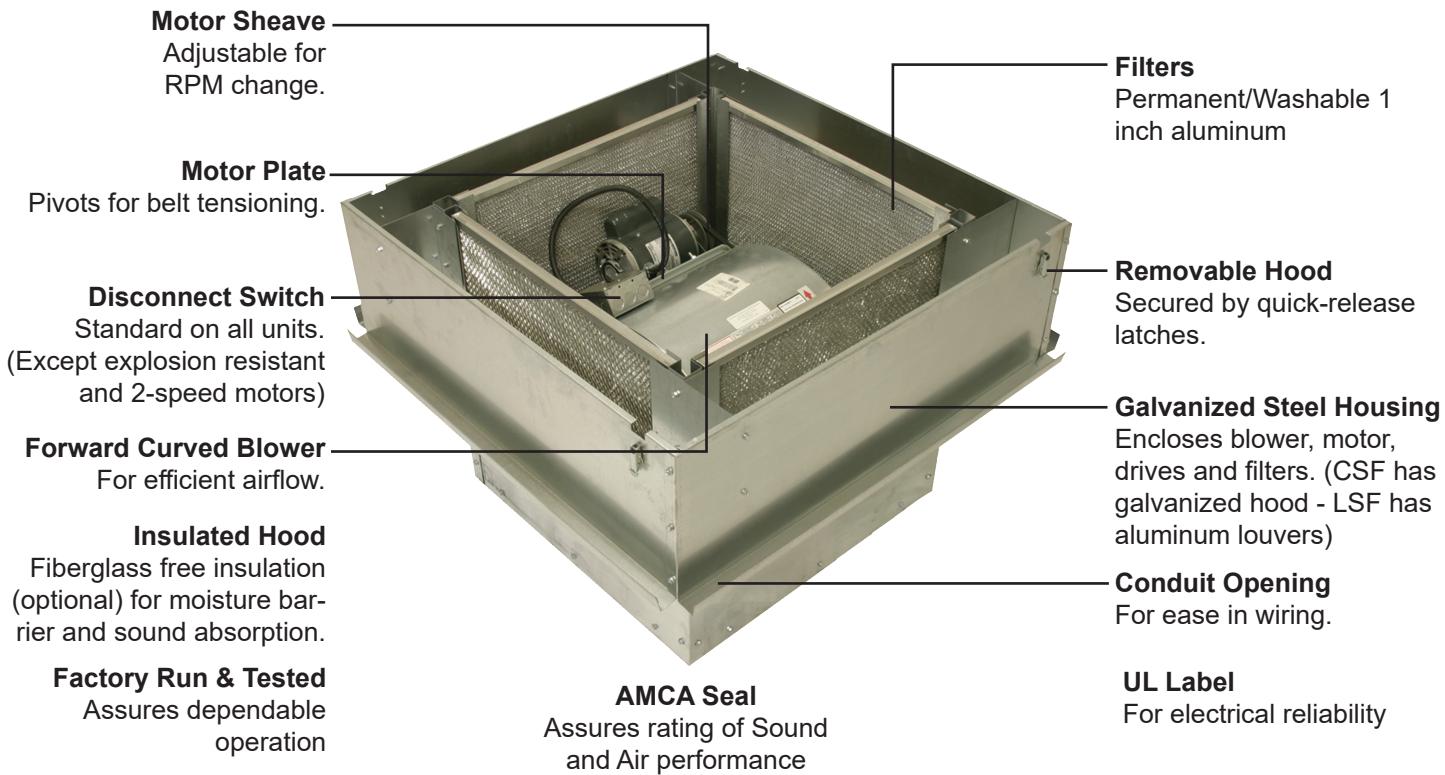
- Supply air to over 13,000 CFM in static pressure capabilities to 2" w.g.
- Heavy-galvanized construction
- Belt drives permit easy performance adjustments when needed
- Forward curved centrifugal blower for efficient air flow at low sound levels
- Filters are washable and reusable
- AMCA Air and Sound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

MODEL OVERVIEW

Models CSF and LSF units 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. Model LSF's architecturally pleasing, heavy-gauge aluminum louver design provides long life and the utmost in performance efficiency. 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



MODELS CSF & LSF

BELT DRIVE CENTRIFUGAL FILTERED SUPPLY FANS



CONSTRUCTION/SPECIFICATION CHECKLIST

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 aluminum louvered design. (LSF)
- 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.
- Mitered cut and welded corners. (LSF)

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

- Five year warranty.
- Heavy-duty ball bearing type.
- Prelubricated and permanently sealed.

Motors

- One year warranty.
- Brands are nationally recognized and locally serviced.
- 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.



MODELS CSF & LSF

BELT DRIVE CENTRIFUGAL FILTERED SUPPLY FANS



OPTIONS/ACCESSORIES

Roof Curb: Prefabricated heavy-gauge galvanized steel, welded construction, 12" high with 1-1/2" wood nailing. 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). Contact your Soler & Palau representative or the factory for more information on available coatings and colors.

**MODELS CSF**

BELT DRIVE CENTRIFUGAL FILTERED SUPPLY FANS

**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	440	-	-	-	-	-	-
		BHP	0.03	-	-	-	-	-	-
		Sones	12.3	-	-	-	-	-	-
575	653	RPM	445	-	-	-	-	-	-
		BHP	0.04	-	-	-	-	-	-
		Sones	12.3	-	-	-	-	-	-
675	767	RPM	461	622	-	-	-	-	-
		BHP	0.05	0.09	-	-	-	-	-
		Sones	12.6	15.4	-	-	-	-	-
775	881	RPM	485	625	-	-	-	-	-
		BHP	0.07	0.1	-	-	-	-	-
		Sones	13.1	15.5	-	-	-	-	-
875	994	RPM	512	637	762	-	-	-	-
		BHP	0.08	0.12	0.18	-	-	-	-
		Sones	13.5	15.8	18.2	-	-	-	-
975	1108	RPM	544	656	768	880	-	-	-
		BHP	0.11	0.15	0.2	0.26	-	-	-
		Sones	13.9	16.3	18.3	21	-	-	-
1075	1222	RPM	578	680	781	883	984	-	-
		BHP	0.13	0.18	0.23	0.29	0.36	-	-
		Sones	14.3	16.9	18.7	21	23	-	-
1175	1335	RPM	613	706	800	892	986	-	-
		BHP	0.17	0.21	0.26	0.33	0.39	-	-
		Sones	14.9	17.6	19.3	21	23	-	-
1275	1449	RPM	650	735	823	907	993	1079	-
		BHP	0.2	0.25	0.31	0.37	0.44	0.51	-
		Sones	15.8	18.2	20	22	24	25	-
1375	1563	RPM	687	768	847	927	1006	1086	1244
		BHP	0.25	0.3	0.35	0.42	0.49	0.56	0.73
		Sones	16.8	19.1	21	22	24	26	30
1475	1676	RPM	726	801	875	951	1023	1097	1247
		BHP	0.29	0.35	0.41	0.47	0.54	0.62	0.79
		Sones	17.8	19.8	22	23	25	26	30
1575	1790	RPM	765	836	905	975	1045	1113	1253
		BHP	0.35	0.41	0.47	0.54	0.61	0.68	0.86
		Sones	19.2	21	23	24	25	27	30
1675	1903	RPM	804	872	937	1002	1069	1134	1263
		BHP	0.41	0.48	0.54	0.61	0.68	0.76	0.93
		Sones	20	22	24	25	26	27	31
1775	2017	RPM	844	908	970	1031	1093	1157	1278
		BHP	0.48	0.55	0.62	0.69	0.76	0.84	1.01
		Sones	22	23	24	26	27	28	32
1875	2131	RPM	884	946	1005	1063	1120	1181	-
		BHP	0.56	0.63	0.7	0.78	0.85	0.93	-
		Sones	23	24	26	27	28	29	-
1975	2244	RPM	925	984	1040	1095	1150	1205	-
		BHP	0.65	0.72	0.8	0.87	0.95	1.03	-
		Sones	25	26	27	28	29	30	-
2075	2358	RPM	966	1022	1076	1129	1181	-	-
		BHP	0.74	0.82	0.9	0.98	1.06	-	-
		Sones	26	27	28	29	30	-	-
2175	2472	RPM	1007	1061	1113	1163	-	-	-
		BHP	0.85	0.93	1.01	1.09	-	-	-
		Sones	27	29	29	30	-	-	-
2275	2585	RPM	1048	1100	-	-	-	-	-
		BHP	0.96	1.05	-	-	-	-	-
		Sones	29	30	-	-	-	-	-
2375	2699	RPM	1089	-	-	-	-	-	-
		BHP	1.09	-	-	-	-	-	-
		Sones	30	-	-	-	-	-	-



S&P USA 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.

All specifications are subject to change without notice unless approved in submittal by S&P USA.



MODELS CSF

BELT DRIVE CENTRIFUGAL FILTERED SUPPLY FANS



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	26	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.



MODELS CSF

BELT DRIVE CENTRIFUGAL FILTERED SUPPLY FANS



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	1-1/4	1-1/2	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	28	29
	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	-	-	-	-	-	-	-



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MODELS LSF

BELT DRIVE CENTRIFUGAL FILTERED SUPPLY FANS



LSF PERFORMANCE

LSF 9

MODEL LSF	CFM	OV	Static Pressure in Inches w.g.							
			1/8	1/4	3/8	1/2	5/8	3/4	1	
475	540	RPM	431	-	-	-	-	-	-	-
		BHP	0.03	-	-	-	-	-	-	-
		Sones	4.1	-	-	-	-	-	-	-
575	653	RPM	437	-	-	-	-	-	-	-
		BHP	0.04	-	-	-	-	-	-	-
		Sones	4.3	-	-	-	-	-	-	-
675	767	RPM	455	-	-	-	-	-	-	-
		BHP	0.05	-	-	-	-	-	-	-
		Sones	4.9	-	-	-	-	-	-	-
775	881	RPM	480	614	-	-	-	-	-	-
		BHP	0.06	0.1	-	-	-	-	-	-
		Sones	5.8	10.3	-	-	-	-	-	-
875	994	RPM	509	628	-	-	-	-	-	-
		BHP	0.08	0.12	-	-	-	-	-	-
		Sones	6.9	11	-	-	-	-	-	-
975	1108	RPM	540	647	755	-	-	-	-	-
		BHP	0.1	0.14	0.19	-	-	-	-	-
		Sones	8.3	11.9	15.2	-	-	-	-	-
1075	1222	RPM	574	672	769	867	-	-	-	-
		BHP	0.13	0.17	0.22	0.27	-	-	-	-
		Sones	9.8	13	15.7	18.9	-	-	-	-
1175	1335	RPM	610	700	789	878	-	-	-	-
		BHP	0.16	0.2	0.25	0.31	-	-	-	-
		Sones	11.7	14	16.4	19.3	-	-	-	-
1275	1449	RPM	646	731	814	894	976	-	-	-
		BHP	0.2	0.24	0.29	0.35	0.41	-	-	-
		Sones	13.7	15.3	17.4	20	25	-	-	-
1375	1563	RPM	683	763	840	915	991	1067	-	-
		BHP	0.24	0.29	0.34	0.4	0.46	0.53	-	-
		Sones	15.3	16.7	18.5	22	26	32	-	-
1475	1676	RPM	721	796	868	939	1009	1080	1223	-
		BHP	0.29	0.34	0.39	0.45	0.52	0.59	0.75	-
		Sones	16.8	18.1	19.7	23	28	33	48	-
1575	1790	RPM	759	832	899	965	1031	1098	1231	-
		BHP	0.34	0.4	0.46	0.52	0.58	0.65	0.81	-
		Sones	18.4	19.8	21	25	29	35	49	-
1675	1903	RPM	797	867	931	994	1056	1118	1243	-
		BHP	0.41	0.47	0.52	0.59	0.65	0.72	0.88	-
		Sones	20	22	24	27	32	36	50	-
1775	2017	RPM	837	903	965	1024	1084	1142	1259	-
		BHP	0.48	0.54	0.6	0.66	0.73	0.81	0.96	-
		Sones	22	24	26	30	34	39	52	-
1875	2131	RPM	876	940	999	1056	1112	1168	1279	-
		BHP	0.55	0.62	0.68	0.75	0.82	0.9	1.06	-
		Sones	24	26	29	33	37	42	55	-
1975	2244	RPM	915	978	1034	1089	1142	1195	-	-
		BHP	0.64	0.71	0.78	0.85	0.92	0.99	-	-
		Sones	26	29	32	36	40	45	-	-
2075	2358	RPM	955	1015	1070	1123	1174	1224	-	-
		BHP	0.73	0.81	0.88	0.95	1.03	1.1	-	-
		Sones	29	32	36	40	44	49	-	-
2175	2472	RPM	995	1053	1107	1157	-	-	-	-
		BHP	0.84	0.91	0.99	1.07	-	-	-	-
		Sones	33	36	39	44	-	-	-	-
2275	2585	RPM	1035	1092	-	-	-	-	-	-
		BHP	0.95	1.03	-	-	-	-	-	-
		Sones	36	40	-	-	-	-	-	-
2375	2699	RPM	1075	-	-	-	-	-	-	-
		BHP	1.07	-	-	-	-	-	-	-
		Sones	40	-	-	-	-	-	-	-



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UL STANDARD 705

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**LSF 10**

MODEL LSF	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
10	950	888	RPM	421	-	-	-	-	-	-	-	-
			BHP	0.07	-	-	-	-	-	-	-	-
			Sones	5.5	-	-	-	-	-	-	-	-
1075	1005		RPM	444	-	-	-	-	-	-	-	-
			BHP	0.09	-	-	-	-	-	-	-	-
			Sones	6.3	-	-	-	-	-	-	-	-
1200	1121		RPM	470	572	-	-	-	-	-	-	-
			BHP	0.11	0.16	-	-	-	-	-	-	-
			Sones	7.2	10.3	-	-	-	-	-	-	-
1325	1238		RPM	498	592	682	-	-	-	-	-	-
			BHP	0.14	0.19	0.25	-	-	-	-	-	-
			Sones	8.3	11.4	14.5	-	-	-	-	-	-
1450	1355		RPM	528	615	698	-	-	-	-	-	-
			BHP	0.18	0.23	0.29	-	-	-	-	-	-
			Sones	9.6	12.6	15.1	-	-	-	-	-	-
1575	1472		RPM	559	639	717	793	866	-	-	-	-
			BHP	0.22	0.28	0.34	0.4	0.47	-	-	-	-
			Sones	11	13.9	16.2	18.3	22	-	-	-	-
1700	1589		RPM	591	666	739	810	879	947	1074	-	-
			BHP	0.27	0.33	0.39	0.46	0.53	0.61	0.78	-	-
			Sones	12.5	15.1	17.1	19.2	23	24	31	-	-
1825	1706		RPM	623	694	762	829	895	959	1082	1196	-
			BHP	0.32	0.39	0.45	0.52	0.6	0.68	0.85	1.04	-
			Sones	14.3	16.4	18.3	20	23	25	31	38	-
1950	1822		RPM	657	723	787	851	913	974	1092	1203	1308
			BHP	0.39	0.45	0.52	0.59	0.67	0.75	0.93	1.13	1.33
			Sones	15.7	17.9	19.5	21	24	26	32	38	45
2075	1939		RPM	691	753	814	874	933	991	1104	1212	1315
			BHP	0.46	0.52	0.6	0.67	0.75	0.83	1.02	1.22	1.43
			Sones	17	19.5	21	22	25	27	33	39	46
2200	2056		RPM	725	784	841	898	954	1010	1118	1223	1323
			BHP	0.54	0.61	0.68	0.76	0.84	0.93	1.11	1.32	1.53
			Sones	18.5	21	22	24	26	28	34	40	46
2325	2173		RPM	759	815	870	924	978	1030	1134	1235	-
			BHP	0.63	0.7	0.78	0.86	0.94	1.03	1.22	1.43	-
			Sones	20	22	24	25	28	29	35	41	-
2450	2290		RPM	794	847	900	951	1002	1053	1152	1249	-
			BHP	0.72	0.8	0.88	0.96	1.05	1.14	1.34	1.55	-
			Sones	22	24	25	27	30	31	36	42	-
2575	2407		RPM	829	880	930	979	1028	1076	1172	-	-
			BHP	0.83	0.91	1	1.08	1.17	1.27	1.46	-	-
			Sones	25	26	27	28	31	33	38	-	-
2700	2523		RPM	865	913	961	1008	1055	1101	-	-	-
			BHP	0.95	1.03	1.12	1.21	1.3	1.4	-	-	-
			Sones	26	27	29	30	33	34	-	-	-
2825	2640		RPM	900	947	993	1038	1083	1127	-	-	-
			BHP	1.08	1.17	1.26	1.35	1.45	1.55	-	-	-
			Sones	28	29	31	32	35	36	-	-	-
2950	2757		RPM	936	981	1025	1068	-	-	-	-	-
			BHP	1.22	1.31	1.41	1.5	-	-	-	-	-
			Sones	30	31	33	34	-	-	-	-	-
3075	2874		RPM	972	1015	1057	-	-	-	-	-	-
			BHP	1.37	1.47	1.57	-	-	-	-	-	-
			Sones	32	33	35	-	-	-	-	-	-
3200	2991		RPM	1008	-	-	-	-	-	-	-	-
			BHP	1.54	-	-	-	-	-	-	-	-
			Sones	34	-	-	-	-	-	-	-	-



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UL STANDARD 705

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MODELS LSF

BELT DRIVE CENTRIFUGAL FILTERED SUPPLY FANS



LSF 12

MODEL LSF	CFM	OV		Static Pressure in Inches w.g.								
				1/8	1/4	3/8	1/2	5/8	3/4	1	1-1/4	
12	1450	967	RPM	391	478	575	-	-	-	-	-	
			BHP	0.14	0.2	0.28	-	-	-	-	-	
			Sones	6.4	8	11.1	-	-	-	-	-	
1600	1067		RPM	414	492	576	-	-	-	-	-	
			BHP	0.18	0.24	0.31	-	-	-	-	-	
			Sones	7.5	8.6	11.2	-	-	-	-	-	
1750	1167		RPM	439	510	583	663	-	-	-	-	
			BHP	0.22	0.28	0.36	0.46	-	-	-	-	
			Sones	8.6	9.4	11.6	14.1	-	-	-	-	
1900	1267		RPM	465	530	596	667	742	-	-	-	
			BHP	0.27	0.33	0.41	0.5	0.62	-	-	-	
			Sones	9.8	10.5	12.4	14.5	16.8	-	-	-	
2050	1367		RPM	491	552	613	676	743	-	-	-	
			BHP	0.33	0.4	0.47	0.56	0.67	-	-	-	
			Sones	11.2	11.7	13.1	14.9	16.9	-	-	-	
2200	1467		RPM	518	576	632	689	749	813	-	-	
			BHP	0.4	0.47	0.54	0.63	0.74	0.86	-	-	
			Sones	12.7	13.1	13.9	15.3	17.2	20	-	-	
2350	1567		RPM	545	600	652	705	760	818	-	-	
			BHP	0.47	0.55	0.63	0.72	0.82	0.94	-	-	
			Sones	13.9	14.5	15.1	16.2	17.7	20	-	-	
2500	1667		RPM	573	625	675	724	775	827	938	-	
			BHP	0.56	0.64	0.72	0.81	0.91	1.03	1.3	-	
			Sones	15.4	15.7	16.2	17.3	18.6	21	26	-	
2650	1767		RPM	601	651	698	744	791	840	941	-	
			BHP	0.65	0.74	0.82	0.92	1.02	1.13	1.39	-	
			Sones	16.8	17.3	17.7	18.6	20	22	26	-	
2800	1867		RPM	629	677	722	766	810	855	949	1049	
			BHP	0.76	0.85	0.94	1.04	1.14	1.25	1.51	1.82	
			Sones	18.1	18.9	19.2	20	21	22	27	31	
2950	1967		RPM	657	703	747	789	830	873	960	1052	
			BHP	0.87	0.97	1.07	1.17	1.27	1.38	1.63	1.94	
			Sones	19.4	20	20	21	22	23	27	32	
3100	2067		RPM	685	730	772	812	852	892	973	1059	
			BHP	1	1.11	1.21	1.31	1.42	1.53	1.78	2.07	
			Sones	21	22	22	23	23	25	28	32	
3250	2167		RPM	714	758	798	836	874	912	989	-	
			BHP	1.14	1.25	1.36	1.47	1.58	1.69	1.94	-	
			Sones	22	23	24	24	25	26	29	-	
3400	2267		RPM	742	785	824	861	898	934	-	-	
			BHP	1.3	1.42	1.53	1.64	1.75	1.87	-	-	
			Sones	24	25	25	26	26	27	-	-	
3550	2367		RPM	771	813	850	886	921	956	-	-	
			BHP	1.47	1.59	1.71	1.82	1.94	2.06	-	-	
			Sones	25	26	27	27	28	29	-	-	
3700	2467		RPM	800	840	877	912	-	-	-	-	
			BHP	1.65	1.78	1.9	2.02	-	-	-	-	
			Sones	27	28	28	28	-	-	-	-	
3850	2567		RPM	829	868	904	-	-	-	-	-	
			BHP	1.85	1.98	2.11	-	-	-	-	-	
			Sones	28	29	30	-	-	-	-	-	
4000	2667		RPM	858	-	-	-	-	-	-	-	
			BHP	2.06	-	-	-	-	-	-	-	
			Sones	30	-	-	-	-	-	-	-	



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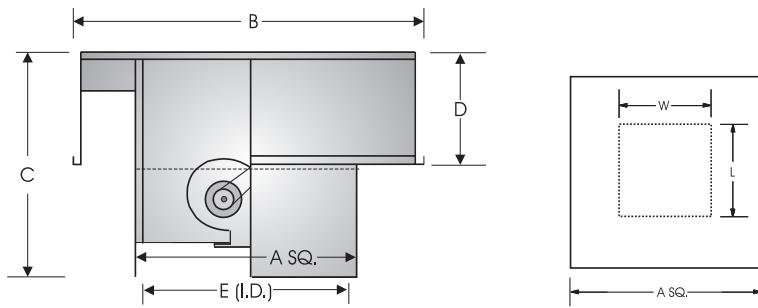


MODELS CSF & LSF

BELT DRIVE CENTRIFUGAL FILTERED SUPPLY FANS



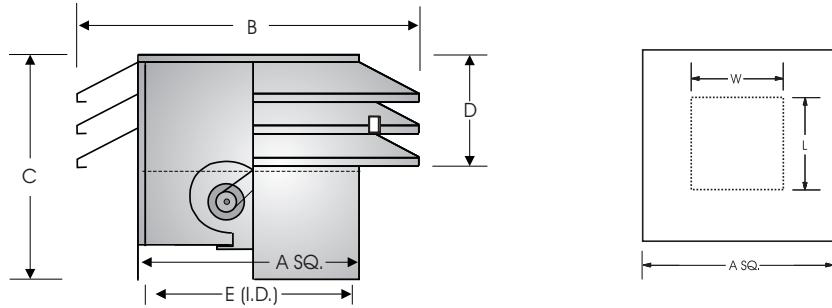
DIMENSIONS



CSF

Discharge Opening

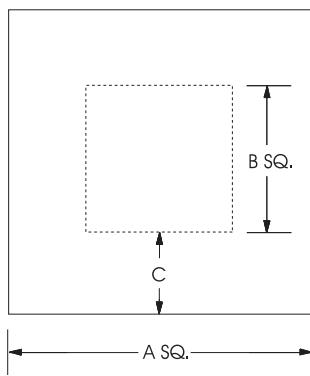
Model Size	A Housing OD	B Overall Width	C Overall Height	D Intake Height	Roof Opening	E Curb Cap ID	Damper OD	Discharge Opening	Filter Size/No.	No. Tiers	Avg. Ship Weight (lbs.)
CSF-9	24 -1/2	37-1/2	23-1/2	16	19-1/2	24 X 24	16	12 X 10-1/2	16 X 20 X 1 (4)	N/A	265
CSF-10	28-1/2	43	23-1/2	16	23-1/2	28 X 28	20	13-1/4 X 11-5/8	16 X 25 X 1 (4)	N/A	290
CSF-12	28-1/2	43	30-1/2	16	23-1/2	28 X 28	20	15-7/8 X 13-5/8	16 X 25 X 1 (4)	N/A	340
CSF-15	32-1/2	50-1/2	32	16	27-1/2	32 X 32	24	18-7/8 X 16-1/4	16 X 25 X 1 (4)	N/A	380
CSF-18	36-1/2	56-1/2	38-1/2	22	31-3/8	36 X 36	27	22-1/4 X 19	20 X 25 X 1 (4)	N/A	540
CSF-20	51-1/4	74-1/2	46-3/4	26	46	51 X 51	42	23-1/8 X 25	20 X 25 X 1 (8)	N/A	890



LSF

Discharge Opening

Model Size	A Housing OD	B Overall Width	C Overall Height	D Intake Height	Roof Opening	E Curb Cap ID	Damper OD	Discharge Opening	Filter Size/No.	No. Tiers	Avg. Ship Weight (lbs.)
LSF-9	24 -1/2	37-3/4	23-3/4	16-1/8	19-1/2	24 X 24	16	12 X 10-1/2	16 X 20 X 1 (4)	3	265
LSF-10	28-1/2	41-3/4	23-3/4	16	23-1/2	28 X 28	20	13-1/4 X 11-5/8	16 X 25 X 1 (4)	3	290
LSF-12	28-1/2	41-3/4	30-1/2	16	23-1/2	28 X 28	20	15-7/8 X 13-5/8	16 X 25 X 1 (4)	3	340
LSF-15	32-1/2	45-3/4	32	18	27-1/2	32 X 32	24	18-7/8 X 16-1/4	21-1/2 X 28 X 1 (4)	4	380
LSF-18	36-1/2	50	38-5/8	23	31-3/8	36 X 36	27	22-1/4 X 19	24 X 30 X 1 (4)	5	540
LSF-20	51-1/2	65	47	26	46	51 X 51	42	23-1/8 X 25	25-1/2 x 45-1/2 X (4)	5	890



Duct Adaptor Dimensions

Model/Size CSF/LSF	A SQ.	B SQ.	C
CSF/LSF-9	18-1/2	14-1/2	2
CSF/LSF-10	22-1/2	18-1/2	2
CSF/LSF-12	22-1/2	18-1/2	2
CSF/LSF-15	26-1/2	20-1/2	3
CSF/LSF-18	30-1/2	24-1/2	3
CSF/LSF-20	45	30	7-1/2