



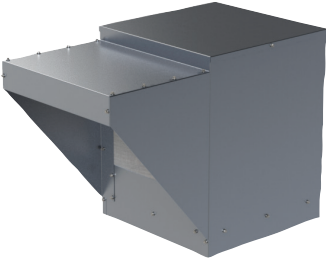
Inyector de Aire Cocina

Soluciones de Ventilación Mecánica

Inyector con Filtro | Acople Poleas | Tamaño 9 - 20

Datos del Producto





MODEL FEATURES

- Supply air up to 12,600 CFM and static pressure capabilities to 2.5" 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

MODEL OVERVIEW

Model KSFV fans are roof curb or curb cap mounted filtered supply fans rated from 475 to over 12,000 CFM, static pressure capabilities to 2.5". They are specifically designed for filtered make-up air in kitchen hood applications. Model KSFV's rugged design with heavy-gauge galvanized construction provides maximum weather protection, long life and the utmost in performance efficiency. The forward curved centrifugal blower provides efficient air flow at low sound levels with static pressure capabilities to handle ducted air systems or hoods within a building. The filters are washable and are reusable to reduce maintenance costs.

The primary use of these fans is for filtered make-up air in kitchen hood applications but may also be specified for make-up air in commercial and industrial applications such as manufacturing and assembly areas.

CONSTRUCTION/SPECIFICATION CHECKLIST

Blower

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

Motors

- 1 year warranty.
- Single speed open drip-proof are standard.
- Explosion-proof, totally enclosed and two-speed motors are available.
- All motors are rated for continuous duty.
- 182T and larger motors shipped unmounted for field installation.
- Disconnect switch standard with single speed drip-proof and totally enclosed motors.

Hood

- Heavy-gauge galvanized steel hood.
- 1 inch washable aluminum mesh filters.

Drives

- Adjustable motor pulleys are standard.
- Sized for minimum 150% of drive horsepower.
- Machined cast iron adjustable motor pulleys.
- Pivoting motor plate for belt tensioning.
- Nonstatic oil resistant V-belts.

Certifications

- AMCA Air and Sound Licensed.
- cULus Standard 705 Listed Power Roof Ventilator label assures electrical reliability.

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



MODEL KSFV

BELT DRIVE CENTRIFUGAL FILTERED SUPPLY FAN

OPTIONS/ACCESSORIES

Insulated Hood: High performance and ecologically friendly fiberglass free insulation only.

Intake Extension: Extensions are available for all size KSFV fans to provide NFPA required clearance from the exhaust fan on factory supplied common curbs. Extensions are made from heavy-gauge galvanized steel and require equipment supports on the intake end.

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



Motor Operated Damper: Motor operated aluminum damper for positive closure against backdraft.

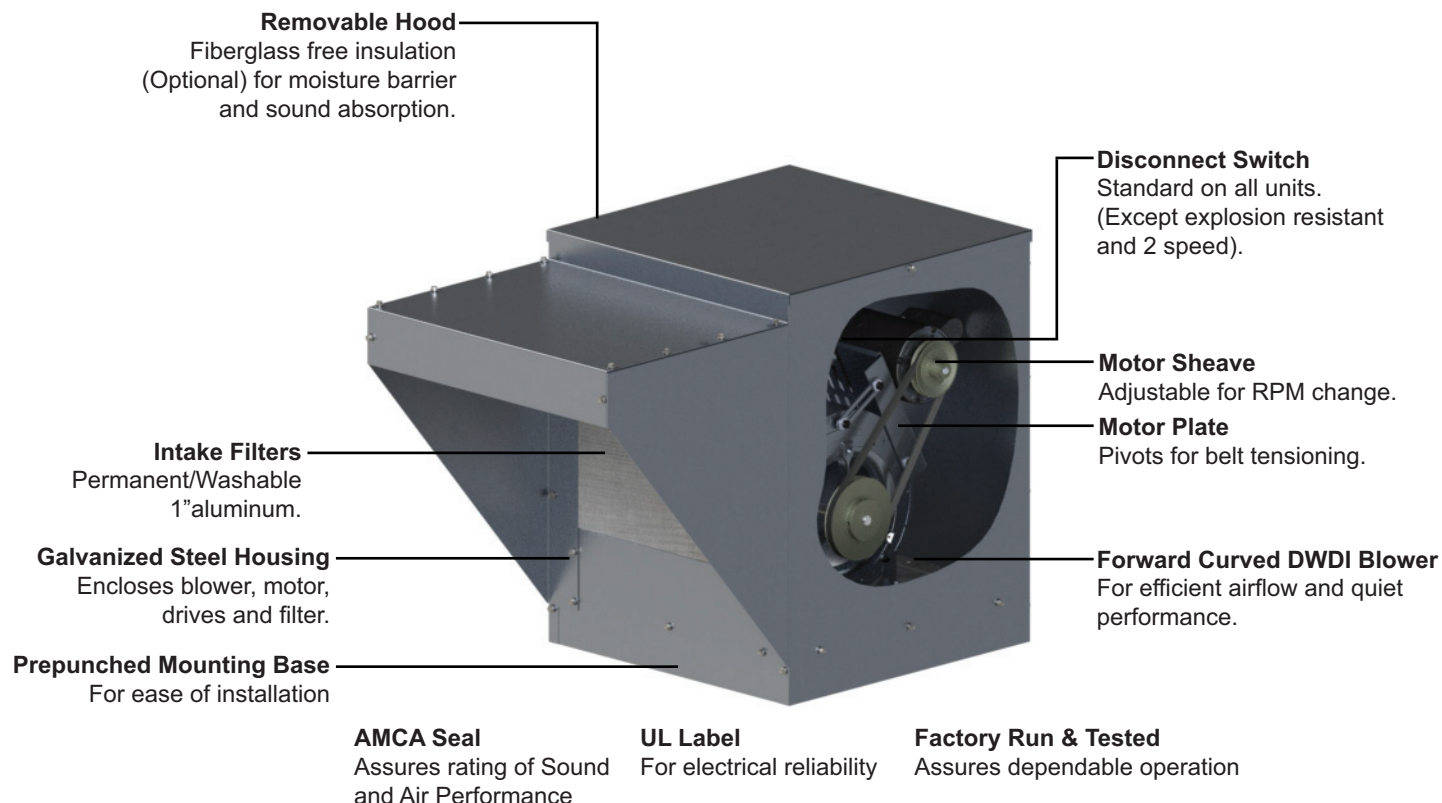


Automatic Damper: Automatic aluminum damper for ease in installation and effective backdraft protection (counter balanced).

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

Common Curb: Designed to allow both the supply fan and exhaust fan to be mounted on the same curb. This curb requires only one roof opening and speeds installation time.

Special Coatings: For protective and decorative purposes. Available coatings include: Epoxy, Synthetic Resin, and Heresite (air-dried phenolic). Contact your S&P representative or the factory for more information on available coatings and colors.



**PERFORMANCE/DIMENSIONS****KSFV9**

MODEL KSFV	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
9	475	534	RPM	466	-	-	-	-	-	-	-	-
			BHP	0.03	-	-	-	-	-	-	-	-
			SONES	6.4	-	-	-	-	-	-	-	-
	575	646	RPM	503	-	-	-	-	-	-	-	-
			BHP	0.04	-	-	-	-	-	-	-	-
			SONES	8.0	-	-	-	-	-	-	-	-
	675	758	RPM	541	661	-	-	-	-	-	-	-
			BHP	0.05	0.08	-	-	-	-	-	-	-
			SONES	9.8	16.5	-	-	-	-	-	-	-
	775	871	RPM	578	697	-	-	-	-	-	-	-
			BHP	0.07	0.10	-	-	-	-	-	-	-
			SONES	11.9	19.3	-	-	-	-	-	-	-
	875	983	RPM	623	735	826	-	-	-	-	-	-
			BHP	0.09	0.12	0.16	-	-	-	-	-	-
			SONES	15.0	22.2	27.2	-	-	-	-	-	-
	975	1096	RPM	671	772	863	941	-	-	-	-	-
			BHP	0.12	0.15	0.19	0.23	-	-	-	-	-
			SONES	19.0	23.9	29.0	33.5	-	-	-	-	-
	1075	1208	RPM	719	809	901	978	1047	-	-	-	-
			BHP	0.15	0.19	0.23	0.27	0.31	-	-	-	-
			SONES	23.8	26.1	30.9	35.3	39.7	-	-	-	-
	1175	1320	RPM	762	851	939	1014	1083	1146	-	-	-
			BHP	0.18	0.23	0.27	0.32	0.36	0.41	-	-	-
			SONES	26.9	29.1	32.8	37.4	41.8	46.2	-	-	-
	1275	1433	RPM	807	898	976	1052	1121	1182	-	-	-
			BHP	0.22	0.27	0.32	0.37	0.42	0.47	-	-	-
			SONES	30.0	32.5	34.9	39.6	44.1	48.6	-	-	-
	1375	1545	RPM	857	948	1015	1091	1158	1219	1330	-	-
			BHP	0.27	0.33	0.37	0.43	0.48	0.54	0.64	-	-
			SONES	33.4	36.1	37.9	41.9	46.5	52.3	66.0	-	-
	1475	1657	RPM	910	997	1059	1127	1196	1257	1366	1464	-
			BHP	0.33	0.39	0.44	0.49	0.56	0.61	0.72	0.83	-
			SONES	37.2	39.8	41.5	44.2	49.6	56.4	70.9	86.7	-
	1575	1770	RPM	962	1041	1107	1166	1232	1295	1403	1500	1592
			BHP	0.40	0.46	0.51	0.57	0.63	0.69	0.81	0.93	1.05
			SONES	41.3	43.3	45.5	47.7	53.5	61.0	76.4	89.3	99.2
	1675	1882	RPM	1016	1084	1156	1210	1270	1333	1441	1537	-
			BHP	0.47	0.53	0.60	0.65	0.71	0.78	0.91	1.04	-
			SONES	45.6	46.8	49.8	52.9	58.3	65.6	82.5	92.3	-
	1975	2219	RPM	1177	1228	1294	1355	1401	1447	-	-	-
			BHP	0.75	0.81	0.89	0.97	1.03	1.10	-	-	-
			SONES	60.3	62.2	68.4	75.0	80.1	84.4	-	-	-
	2075	2331	RPM	1232	1281	1338	1404	-	-	-	-	-
			BHP	0.86	0.93	1.00	1.09	-	-	-	-	-
			SONES	68.1	70.6	75.8	84.8	-	-	-	-	-
	2175	2444	RPM	1286	1333	1383	-	-	-	-	-	-
			BHP	0.99	1.05	1.12	-	-	-	-	-	-
			SONES	77.2	80.3	84.9	-	-	-	-	-	-
	2275	2556	RPM	1340	-	-	-	-	-	-	-	-
			BHP	1.12	-	-	-	-	-	-	-	-
			SONES	88.6	-	-	-	-	-	-	-	-



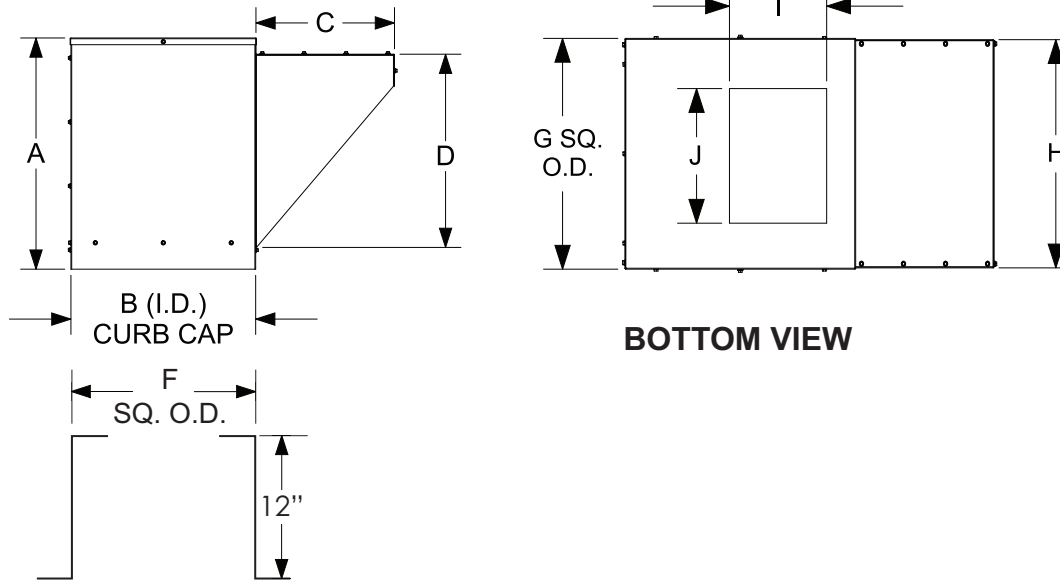
S&P USA Ventilation Systems, LLC., Div. of Soler & Palau Ventilation Group, certifies that the Models KSFV shown herein are licensed to bear the AMCA Seal. The ratings shown are based on test and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the 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.



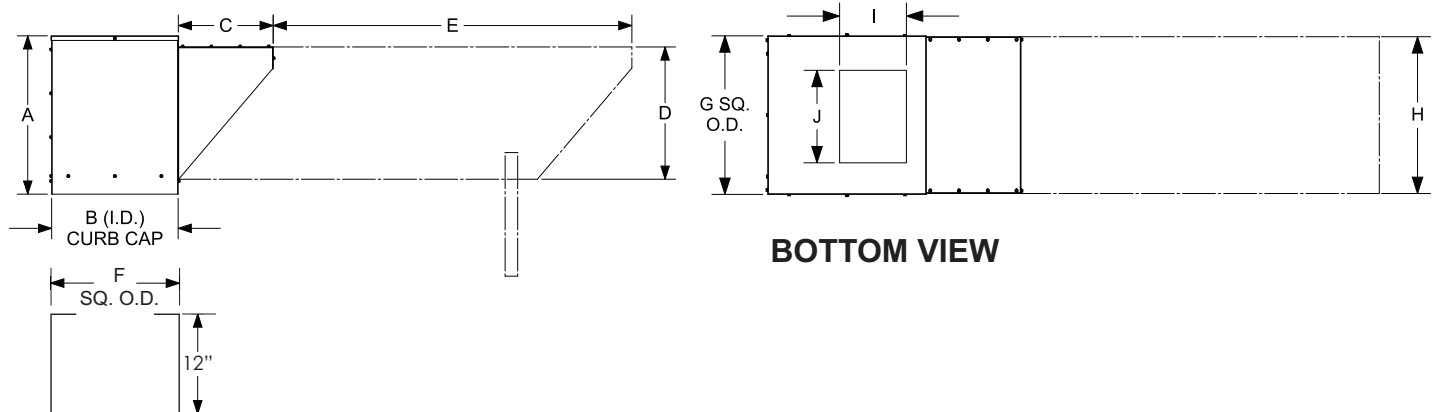
DIMENSIONS



BOTTOM VIEW

Model Size	A	B SQ.	C	D	F SQ.	G SQ.	H	I	J	Damper O.D.	Filters (QTY)
KSFV 9	30	23-7/8	18	25-1/8	22-1/2	24	24	10-3/8	12	18-1/2	20 X 20 (1)
KSFV 10	35	33-7/8	18	30-1/8	32-1/2	34	34	11-5/8	13-1/4	28-1/2	16 X 25 (2)
KSFV 12	35	33-7/8	18	30-1/8	32-1/2	34	34	13-5/8	15-3/4	28-1/2	16 X 25 (2)
KSFV 15	35	33-7/8	18	30-1/8	32-1/2	34	34	16-1/8	18-7/8	28-1/2	16 X 25 (2)
KSFV 18	43-1/8	41-7/8	18	30-1/8	40-1/2	42	42	19-1/8	22-1/8	36-1/2	20 X 25 (2)
KSFV 20	49-1/4	51-1/8	23	36-1/4	49	51-1/4	51-1/4	25	25-1/8	44-1/2	24 X 30 (2)

DIMENSIONS WITH OPTIONAL INTAKE EXTENSION

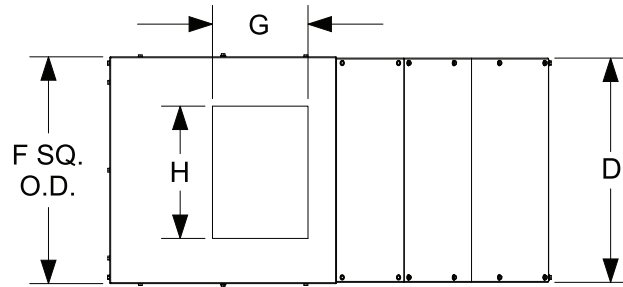
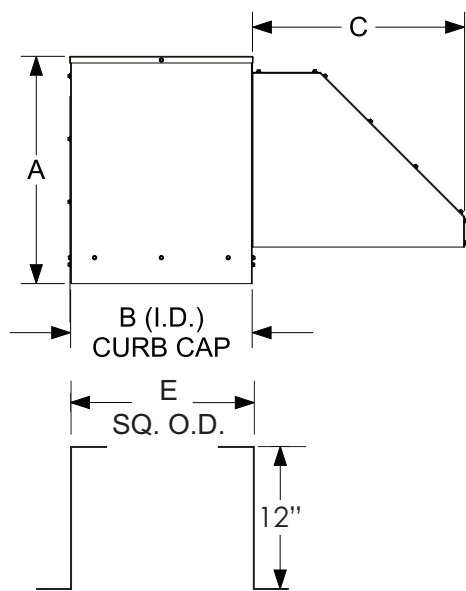


BOTTOM VIEW

Model Size	A	B SQ.	C	D	E	F SQ.	G SQ.	H	I	J	DAMPER O.D.	FILTERS (QTY)
KSFV 9	30	23-7/8	18	25-1/8	74-1/4	22-1/2	24	24	10-3/8	12	18-1/2	20 X 20 (1)
KSFV 10	35	33-7/8	18	30-1/8	74-1/4	32-1/2	34	34	11-5/8	13-1/4	28-1/2	16 X 25 (2)
KSFV 12	35	33-7/8	18	30-1/8	74-1/4	32-1/2	34	34	13-5/8	15-3/4	28-1/2	16 X 25 (2)
KSFV 15	35	33-7/8	18	30-1/8	74-1/4	32-1/2	34	34	16-1/8	18-7/8	28-1/2	16 X 25 (2)
KSFV 18	43-1/8	41-7/8	18	30-1/8	78-1/4	40-1/2	42	42	19-1/8	22-1/8	36-1/2	20 X 25 (2)
KSFV 20	49-1/4	51-1/8	23	36-1/4	78-1/4	49	51-1/4	51-1/4	25	25-1/8	44-1/2	24 X 30 (2)



LOW INTAKE DIMENSIONS



BOTTOM VIEW

Model Size	A	B SQ.	C	D	E SQ.	F SQ.	G	H	Damper O.D.	FILTERS (QTY)
KSFV 9	30	23-7/8	28	24	22-1/2	24	10-3/8	12	18-1/2	20 X 20 (1)
KSFV 10	35	33-7/8	31-13/16	34	32-1/2	34	11-5/8	13-1/4	28-1/2	16 X 25 (2)
KSFV 12	35	33-7/8	31-13/16	34	32-1/2	34	13-5/8	15-3/4	28-1/2	16 X 25 (2)
KSFV 15	35	33-7/8	31-13/16	34	32-1/2	34	16-1/8	18-7/8	28-1/2	16 X 25 (2)
KSFV 18	43-1/8	41-7/8	33-15/16	42	40-1/2	42	19-1/8	22-1/8	36-1/2	20 X 25 (2)
KSFV 20	49-1/4	51-1/8	40-1/8	51-1/4	49	51-1/4	25	25-1/8	44-1/2	24 X 30 (2)