



LOUVERED ROOF SUPPLY UNITS FILTERED

Models EKS, EKS-SD and LEKS

Capacities: 800 Thru 40,000 CFM



MODEL EKS



MODEL LEKS

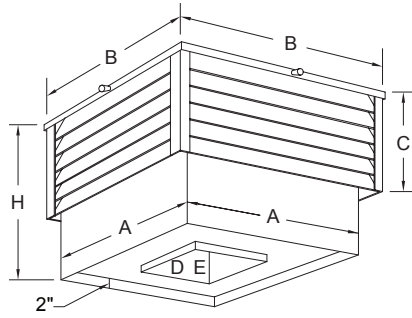
STANDARD FEATURES

- Extruded aluminum weatherproof louvers.
- Cleanable aluminum filters.
- Insulated aluminum roof.
- DWDI forward curved blower.
- Adjustable V-belt drive.

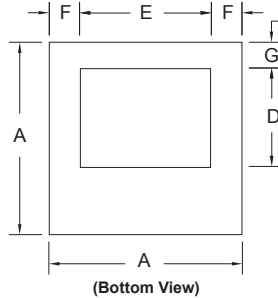
OPTIONAL FEATURES

- Painted finish – standard or custom colors available.
- Drainable blade louvers.
- Standard or 30% efficient throwaway filters.
- Motorized discharge damper.
- Roof curb.
- Disconnect switch.

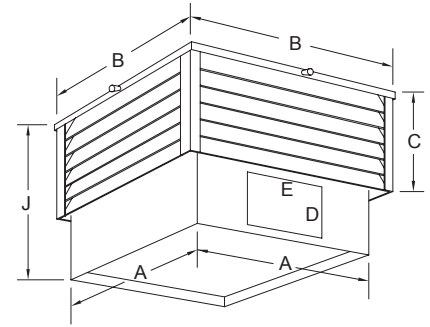
EKS AND EKS-SD SIZES 10 THRU 20



MODEL EKS



MODEL EKS
(Bottom View)

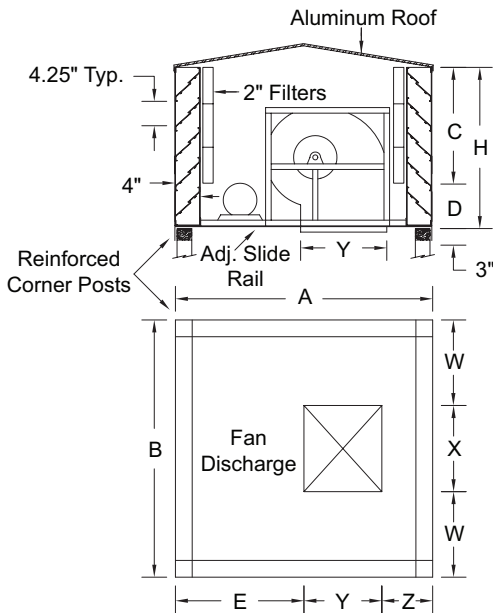


MODEL EKS-SD

MODEL NUMBER	UNIT DIMENSIONS (INCHES)										FILTERS	ROOF CURB O.D.	WHEELS			WGT.
	A	B	C	D	E	F	G	H	J	DIA.			WIDTH	OUTLET AREA		
EKS-10	26	34	20	11.50	13.00	6.50	5.00	28.50	34.50	34.50	(4) 16 X 20	25 X 25	10.63	10.63	1.01	150
EKS-12	32	40	24	13.50	16.00	8.00	5.25	32.50	40.50	40.50	(4) 20 X 25	31 X 31	12.63	12.63	1.44	220
EKS-15	32	40	24	16.00	19.00	6.50	5.25	32.50	43.00	43.00	(4) 20 X 25	31 X 31	15.00	15.00	2.01	220
EKS-18	36	44	26	19.00	22.00	7.00	5.25	38.25	48.00	48.00	(4) 20 X 28	35 X 35	18.13	18.00	2.87	310
EKS-20	46	54	28	24.75	22.75	11.63	6.00	48.00	55.75	55.75	(8) 25 X 20	45 X 45	20.00	18.00	3.88	540

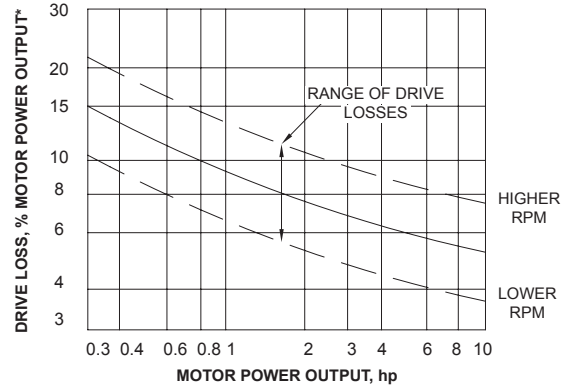
All unit sizes 10 thru 36 include four inch deep extruded aluminum mill finish louvers (Model L storm proof) on four sides, an aluminum insulated cover, forward curved DWDI blower, ODP motor with adjustable V-belt drive, and rubber isolators for the blower and motor. Sizes 10 thru 20 have one inch aluminum mesh filters and a removable cover for access to the filters, blower and motor. Sizes 22 thru 36 have two inch aluminum mesh filters and an access panel for access to the filters, blower and motor.

LEKS - SIZES 22 THRU 36



ESTIMATED BELT DRIVE LOSSES

HIGHER BELT SPEEDS TEND TO HAVE HIGHER LOSSES THAN LOWER BELT SPEEDS AT THE SAME HORSEPOWER.



*Drive losses are based on the conventional V-belt which has been the "work horse" of the drive industry for several decades.

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MODEL NUMBER	UNIT DIMENSIONS (INCHES)										FILTERS 2 INCH	ROOF CURB O.D.	WHEELS			WGT.
	A	B	C	D	E	H	W	X	Y	Z			DIA.	WIDTH	OUTLET AREA	
LEKS-22	72	72	31.56	18	32.75	49.56	22.38	27.25	27.25	12	(12) 20 X 25	71 X 71	22.38	22.00	5.16	1127
LEKS-25	77	77	35.81	18	33.75	53.81	22.88	31.25	31.25	12	(16) 16 X 20 (8) 16 X 25	76 X 76	25.00	25.00	6.78	1322
LEKS-27	82	82	35.81	18	35.75	53.81	23.88	34.25	34.25	12	(8) 16 X 20 (16) 16 X 25	81 X 81	27.62	27.50	8.15	1514
LEKS-30	87	87	40.06	18	38.25	58.06	25.13	36.75	36.75	12	(12) 16 X 25 (12) 20 X 25	86 X 86	30.25	30.00	9.38	1830
LEKS-33	92	102	44.31	18	37.00	62.31	31.13	39.75	43.00	12	(24) 20 X 20 (8) 20 X 25	91 X 101	33.00	33.00	11.87	2005
LEKS-36	92	112	48.56	18	37.00	66.56	34.50	43.00	43.00	12	(18) 20 X 20 (18) 20 X 25	91 X 111	36.00	36.00	12.84	2112

To maintain KEES' policy of continuous product improvement, we reserve the right to change prices, specifications, ratings or dimensions without notice or obligation.

EKS PERFORMANCE TABLES – CFM VERSUS STATIC PRESSURE

MODEL	CFM	.25 SP		.50 SP		.75 SP		1.00 SP		1.25 SP		1.50 SP		2.00 SP		2.50 SP		3.00 SP	
		RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP
EKS-10 OR EKS-SD-10	800	520	.07																
	900	526	.08																
	1000	535	.09																
	1200	561	.12	739	.20	897	.28												
OUTLET VELOCITY = CFM 1.02	1400	597	.17	755	.25	901	.34	1035	.44										
	1600	640	.23	779	.31	914	.41	1040	.52	1158	.63								
	1800	688	.31	811	.39	934	.50	1052	.61	1163	.73	1269	.86						
	2000	739	.40	848	.42	960	.60	1070	.72	1175	.84	1276	.98						
	2200	793	.51	891	.61	992	.72	1094	.85	1192	.98	1288	1.12	1469	1.41	1637	1.73	1794	2.07
	2400	850	.64	937	.75	1029	.87	1123	1.00	1215	1.13	1305	1.28	1478	1.59	1640	1.92	1793	2.27
	2600	907	.80	986	.91	1070	1.03	1157	1.17	1243	1.30	1327	1.46	1492	1.78	1648	2.12	1796	2.49

MODEL	CFM	.25 SP		.50 SP		.75 SP		1.00 SP		1.25 SP		1.50 SP		2.00 SP		2.50 SP		3.00 SP	
		RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP
EKS-12 OR EKS-SD-12	1600	452	.16	605	.26														
	1800	470	.20	611	.30	738	.42												
	2000	492	.24	621	.35	742	.48	852	.62										
	2200	519	.30	634	.42	749	.55	854	.70	952	.85								
OUTLET VELOCITY = CFM 1.44	2400	548	.38	650	.49	758	.63	859	.78	954	.94	1043	1.10						
	2600	579	.46	670	.58	770	.72	867	.88	958	1.05	1045	1.22	1203	1.59	1346	1.98	1477	2.39
	2800	612	.56	693	.68	784	.82	876	.98	965	1.16	1049	1.34	1204	1.73	1345	2.14	1475	2.56
	3000	646	.67	718	.79	802	.94	889	1.10	973	1.29	1055	1.48	1206	1.88	1346	2.30	1474	2.74
	3200	681	.80	746	.92	822	1.07	903	1.24	984	1.43	1062	1.62	1210	2.04	1347	2.48	1474	2.94
	3400	716	.95	776	1.07	845	1.22	920	1.39	997	1.58	1072	1.78	1216	2.21	1349	2.67	1475	3.14
	3600	752	1.11	807	1.23	870	1.38	940	1.56	1012	1.75	1083	1.96	1223	2.40	1354	2.87	1476	3.36

MODEL	CFM	.25 SP		.50 SP		.75 SP		1.00 SP		1.25 SP		1.50 SP		2.00 SP		2.50 SP		3.00 SP	
		RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP
EKS-15 OR EKS-SD-15	3000	470	.44	573	.61	667	.80	754	1.00	834	1.22	909	1.45	1044	1.93	1165	2.44	1274	2.97
	3200	487	.50	586	.69	677	.88	760	1.10	839	1.32	912	1.56	1046	2.06	1166	2.58	1276	3.13
	3400	505	.58	600	.77	687	.98	768	1.20	844	1.43	916	1.68	1048	2.19	1168	2.74	1277	3.30
	3600	523	.67	614	.87	698	1.08	777	1.30	851	1.55	921	1.80	1051	2.33	1170	2.89	1278	3.48
OUTLET VELOCITY = CFM 2.01	3800	542	.76	629	.97	710	1.19	786	1.43	859	1.67	927	1.93	1055	2.48	1172	3.06	1280	3.67
	4000	561	.86	645	1.08	723	1.31	797	1.55	867	1.81	934	2.08	1060	2.64	1175	3.24	1282	3.86
	4200	580	.98	661	1.20	737	1.44	809	1.70	877	1.95	942	2.23	1065	2.81	1179	3.42	1284	4.06
	4400	600	1.10	678	1.34	751	1.58	821	1.84	887	2.11	951	2.39	1071	2.99	1183	3.61	1287	4.27
	4600	620	1.23	695	1.48	766	1.74	834	2.00	898	2.28	960	2.57	1078	3.18	1188	3.82	1291	4.49
	4800	641	1.38	713	1.63	782	1.90	847	2.17	910	2.46	971	2.76	1086	3.38	1194	4.04	1295	4.73
	5200	682	1.70	750	1.98	815	2.26	877	2.56	936	2.86	994	3.17	1104	3.82	1207	4.51	1306	5.23

MODEL	CFM	.25 SP		.50 SP		.75 SP		1.00 SP		1.25 SP		1.50 SP		2.00 SP		2.50 SP		3.00 SP	
		RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP
EKS-18 OR EKS-SD-18	4600	472	.87	554	1.16	630	1.46	700	1.78	765	2.12	826	2.48	939	3.22	1040	4.01	1132	4.826
	4800	485	.97	565	1.26	638	1.57	707	1.90	771	2.25	831	2.61	943	3.38	1043	4.18	1135	5.022
	5000	499	1.07	576	1.37	647	1.69	714	2.03	777	2.39	837	2.76	947	3.54	1047	4.37	1139	5.225
	5200	512	1.18	587	1.49	657	1.82	722	2.17	784	2.53	843	2.91	951	3.71	1051	4.56	1142	5.435
OUTLET VELOCITY = CFM 2.87	5400	526	1.29	599	1.62	667	1.96	731	2.31	791	2.69	849	3.07	956	3.89	1055	4.75	1145	5.652
	5600	540	1.42	611	1.75	677	2.10	740	2.47	799	2.85	856	3.24	961	4.08	1059	4.96	1149	5.877
	5800	554	1.55	623	1.90	688	2.25	749	2.63	807	3.02	863	3.42	967	4.27	1063	5.17	1153	6.109
	6000	568	1.70	635	2.05	699	2.42	758	2.80	815	3.20	870	3.61	973	4.48	1068	5.40	1157	6.351
	6200	583	1.84	648	2.20	710	2.59	768	3.00	824	3.39	878	3.81	979	4.69	1073	5.62	1161	6.600
	6400	597	2.00	661	2.38	721	2.77	778	3.17	833	3.58	886	4.02	986	4.92	1079	5.87	1166	6.860
	6800	627	2.35	687	2.75	757	3.37	811	3.80	862	4.24	894	4.23	1000	5.40	1091	6.38	1176	7.408

MODEL	CFM	.25 SP		.50 SP		.75 SP		1.00 SP		1.25 SP		1.50 SP		2.00 SP		2.50 SP		3.00 SP	
		RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP
EKS-20 OR EKS-SD-20	6600	392	1.21	457	1.53	518	1.89	577	2.27	633	2.68	686	3.11	786	4.04	878	5.03	962	6.06
	7000	408	1.40	470	1.74	528	2.10	584	2.50	638	2.92	690	3.37	788	4.32	878	5.34	962	6.41
	7400	424	1.61	484	1.97	540	2.35	593	2.75	645	3.19	695	3.64	790	4.62	879	5.66	962	6.77
	7800	440	1.84	498	2.21	551	2.61	603	3.03	653	3.47	701	3.94	794	4.94	881	6.01	963	7.15
OUTLET VELOCITY = CFM 3.88	8200	457	2.10	512	2.49	564	2.90	613	3.33	662	3.79	708	4.27	798	5.29	883	6.38	964	7.55
	8600	473	2.38	527	2.79	577	3.22	625	3.66	671	4.13	716	4.62	803	5.66	886	6.78	966	7.97
	9000	490	2.68	542	3.12	590	3.56	636	4.02	681	4.50	725	5.00	810	6.06	891	7.21	968	8.42
	9600	516	3.19	565	3.66	611	4.12	655	4.60	698	5.10	740	5.63	820	6.72	898	7.89	973	9.14
	10000	533	3.56	581	4.05	625	4.54	668	5.03	710	5.54	750	6.07	829	7.19	904	8.39	977	9.66
	10600			605	4.70	648	5.21	689	5.73	728	6.26	767	6.81	842	7.97	915	9.20	985	10.50
	11200			629	5.41	670	5.96	710	6.50	748	7.06	785	7.63	857	8.82	927	10.08	995	11.41

BHP does not include drive losses. See graph on page 2 for estimated drive losses. Performance shown is for EKS Fans with outlet ducts and clean filters.

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LEKS PERFORMANCE TABLES – CFM VERSUS STATIC PRESSURE

MODEL	CFM	.25 SP		.50 SP		.75 SP		1.00 SP		1.25 SP		1.50 SP		2.00 SP		2.50 SP		3.00 SP	
		RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP
LEKS-22 OUTLET VELOCITY = CFM 5.10	7000	270	.79	336	1.12	396	1.50	452	1.91										
	8000	289	1.06	350	1.44	405	1.84	457	2.27	507	2.75								
	9000	310	1.40	366	1.82	418	2.25	465	2.71	511	3.20	555	3.73						
	10000	331	1.83	384	2.27	432	2.74	477	3.23	520	3.75	561	4.30	640	5.48				
	11000	354	2.33	403	2.81	448	3.32	491	3.85	531	4.39	570	4.96	644	6.18	715	7.51		
	12000	377	2.94	423	3.45	466	3.99	506	4.56	544	5.14	581	5.73	652	7.00	719	8.37	784	9.82
	13000	401	3.64	444	4.19	484	4.77	523	5.37	559	5.98	594	6.61	661	7.93	725	9.34	787	10.84
14000	425	4.46	465	5.04	504	5.65	541	6.29	575	6.94	609	7.60	673	8.99	734	10.44	793	11.98	
15000	450	5.41	487	6.01	524	6.66	559	7.33	593	8.02	625	8.72	686	10.17	744	11.68	800	13.26	
16000	476	6.48	510	7.11	545	7.78	579	8.50	611	9.22	642	9.96	701	11.48	757	13.06	810	14.69	
17000	501	7.70	534	8.34	566	9.05	598	9.79	629	10.56	660	11.34	717	12.94	770	14.56	822	16.27	

MODEL	CFM	.25 SP		.50 SP		.75 SP		1.00 SP		1.25 SP		1.50 SP		2.00 SP		2.50 SP		3.00 SP	
		RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP
LEKS-25 OUTLET VELOCITY = CFM 6.71	10000	231	1.07	289	1.53	341	2.04	390	2.60										
	11000	241	1.32	297	1.82	346	2.36	392	2.93	436	3.56								
	12000	252	1.61	306	2.15	353	2.72	396	3.32	438	3.97	477	4.66						
	13000	264	1.95	315	2.54	360	3.13	402	3.76	441	4.43	479	5.14						
	14000	276	2.33	325	2.97	368	3.60	408	4.26	445	4.95	482	5.69	551	7.24				
	15000	288	2.77	335	3.45	377	4.12	416	4.82	452	5.54	487	6.30	553	7.91	616	9.67		
	16000	300	3.25	346	3.99	387	4.71	424	5.44	459	6.19	492	6.97	556	8.63	617	10.42		
	17000	313	3.80	357	4.59	397	5.35	433	6.12	466	6.90	499	7.71	560	9.41	619	11.25	675	13.21
	18000	327	4.42	369	5.25	407	6.06	442	6.87	475	7.69	506	8.52	566	10.30	622	12.15	676	14.14
	19000	340	5.09	380	5.98	417	6.83	452	7.69	484	8.55	514	9.42	571	11.22	627	13.16	679	15.17
20000	354	5.84	392	6.76	429	7.68	462	8.58	493	9.48	522	10.38	579	12.27	632	14.24	683	16.32	

MODEL	CFM	.25 SP		.50 SP		.75 SP		1.00 SP		1.25 SP		1.50 SP		2.00 SP		2.50 SP		3.00 SP	
		RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP
LEKS-27 OUTLET VELOCITY = CFM 8.07	13000	213	1.48	263	2.02	308	2.58	350	3.22										
	14000	221	1.75	269	2.34	312	2.92	352	3.57	391	4.29								
	15000	229	2.06	276	2.69	317	3.31	355	3.97	392	4.69								
	16000	238	2.40	283	3.09	322	3.74	359	4.42	395	5.15	429	5.90						
	17000	246	2.77	291	3.52	329	4.22	364	4.93	398	5.67	431	6.47						
	18000	255	3.19	298	3.99	335	4.74	370	5.48	402	6.25	434	7.06	495	8.86				
	19000	264	3.65	306	4.51	342	5.31	376	6.09	407	6.88	438	7.71	496	9.51				
	20000	273	4.16	314	5.07	350	5.93	382	6.74	413	7.57	442	8.41	498	10.24	554	12.29		
	21000	283	4.71	322	5.68	357	6.59	389	7.45	418	8.32	447	9.19	502	11.04	555	13.08		
	22000	292	5.31	331	6.34	365	7.30	396	8.22	425	9.12	452	10.03	505	11.92	557	13.98	607	16.24
23000	302	5.97	339	7.05	373	8.07	403	9.04	431	9.98	458	10.93	510	12.86	559	14.94	608	17.21	

MODEL	CFM	.25 SP		.50 SP		.75 SP		1.00 SP		1.25 SP		1.50 SP		2.00 SP		2.50 SP		3.00 SP	
		RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP
LEKS-30 OUTLET VELOCITY = CFM 9.3	17000	205	2.19	249	2.93	288	3.69	325	4.51	360	5.39	394	6.36						
	18000	211	2.50	254	3.29	292	4.08	328	4.92	361	5.82	394	6.79						
	19000	218	2.85	259	3.68	296	4.50	331	5.37	363	6.30	395	7.28						
	20000	224	3.22	265	4.10	301	4.97	334	5.86	366	6.81	397	7.81	454	9.99				
	21000	231	3.64	271	4.56	306	5.47	338	6.40	369	7.37	399	8.39	455	10.59				
	22000	238	4.08	277	5.06	311	6.01	342	6.97	372	7.96	401	9.00	456	11.24	508	13.69		
	23000	245	4.57	283	5.60	316	6.59	347	7.59	376	8.62	404	9.68	458	11.95	508	14.44		
	24000	252	5.10	289	6.17	322	7.21	352	8.25	380	9.31	407	10.40	460	12.72	509	15.21	557	17.94
	25000	259	5.66	295	6.78	327	7.87	357	8.96	385	10.05	411	11.16	462	13.52	510	16.05	557	18.80
	26000	267	6.27	302	7.44	333	8.58	362	9.71	389	10.83	415	12.00	465	14.39	512	16.94	557	19.723
27000	274	6.94	308	8.15	339	9.34	367	10.51	394	11.67	419	12.86	468	15.32	514	17.92	558	20.71	

MODEL	CFM	.25 SP		.50 SP		.75 SP		1.00 SP		1.25 SP		1.50 SP		2.00 SP		2.50 SP		3.00 SP	
		RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP
LEKS-33 OUTLET VELOCITY = CFM 12.05	23000	200	3.62	239	4.67	273	5.65	303	6.66	332	7.72	361	8.85						
	25000	210	4.42	248	5.59	280	6.68	309	7.75	337	8.86	364	10.03	415	12.54				
	27000	220	5.35	257	6.64	288	7.83	316	8.99	343	10.17	368	11.38	417	13.95				
	28000	225	5.86	261	7.20	292	8.46	320	9.67	346	10.88	371	12.12	418	14.73	464	17.57		
	30000	236	7.00	271	8.45	301	9.83	328	11.13	353	12.41	377	13.71	422	16.43	466	19.33	508	22.44
	31000	241	7.61	275	9.12	305	10.55	332	11.92	357	13.24	380	14.59	424	17.33	467	20.27	508	23.41
	32000	247	8.28	280	9.84	310	11.33	336	12.75	361	14.12	384	15.49	427	18.32	469	21.27	509	24.45
	33000	252	8.98	285	10.58	314	12.14	340	13.60	364	15.03	387	16.46	430	19.34	471	22.35	510	25.55
	34000	258	9.73	290	11.37	319	12.99	345	14.52	369	16.00	391	17.46	433	20.41	473	23.47	512	26.68
	35000	264	10.52	294	12.20	323	13.88	349	15.47	373	16.99	395	18.51	436	21.52	475	24.64	513	27.89
36000	270	11.35	300	13.08	328	14.81	354	16.46	377	18.05	399	19.60	440	22.70	478	25.87	515	29.19	

MODEL	CFM	.25 SP		.50 SP		.75 SP		1.00 SP		1.25 SP		1.50 SP		2.00 SP		2.50 SP		3.00 SP	
		RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP
LEKS-36 OUTLET VELOCITY = CFM 12.8	27000	205	4.85	239	6.09	268	7.22	294	8.35	319	9.49	343	10.70	390	13.30				
	28000	209	5.31	244	6.61	272	7.80	298	8.96	322	10.13	345	11.36	390	13.98				