

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	.065																
	900	526	.076																
	1000	535	.090																
	1200	561	.124	739	.199	897	.284												
OUTLET VELOCITY = CFM 1.02	1400	597	.170	755	.250	901	.341	1035	.442										
	1600	640	.230	779	.314	914	.412	1040	.518	1158	.633								
	1800	688	.305	811	.394	934	.498	1052	.610	1163	.730	1269	.857						
	2000	739	.398	848	.492	960	.601	1070	.718	1175	.844	1276	.978						
	2200	793	.510	891	.608	992	.723	1094	.846	1192	.978	1288	1.117	1469	1.414	1637	1.734	1794	2.073
	2400	850	.644	937	.747	1029	.866	1123	.995	1215	1.132	1305	1.277	1478	1.585	1640	1.917	1793	2.269
2600	907	.802	986	.908	1070	1.032	1157	1.166	1243	1.309	1327	1.459	1492	1.780	1648	2.123	1796	2.487	

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	.155	605	.255														
	1800	470	.195	611	.300	738	.420												
	2000	492	.244	621	.354	742	.481	852	.618										
	2200	519	.304	634	.416	749	.550	854	.695	952	.848								
OUTLET VELOCITY = CFM 1.44	2400	548	.376	650	.490	758	.629	859	.781	954	.941	1043	1.109						
	2600	579	.461	670	.575	770	.718	867	.877	958	1.045	1045	1.220	1203	1.590	1346	1.981	1477	2.388
	2800	612	.559	693	.675	784	.820	876	.984	965	1.159	1049	1.342	1204	1.728	1345	2.135	1475	2.561
	3000	646	.673	718	.789	802	.936	889	1.104	973	1.285	1055	1.476	1206	1.877	1346	2.301	1474	2.743
	3200	681	.802	746	.920	822	1.068	903	1.239	984	1.425	1062	1.622	1210	2.038	1347	2.478	1474	2.937
	3400	716	.949	776	1.068	845	1.216	920	1.389	997	1.580	1072	1.783	1216	2.213	1349	2.668	1475	3.143
3600	752	1.113	807	1.234	870	1.383	940	1.557	1012	1.751	1083	1.959	1223	2.402	1354	2.872	1476	3.363	

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	.435	573	.609	667	.800	754	1.005	834	1.223	909	1.452	1044	1.932	1165	2.438	1274	2.965
	3200	487	.503	586	.686	677	.884	760	1.097	839	1.323	912	1.559	1046	2.058	1166	2.584	1276	3.132
	3400	505	.580	600	.771	687	.977	768	1.197	844	1.431	916	1.675	1048	2.191	1168	2.735	1277	3.303
	3600	523	.665	614	.865	698	1.079	777	1.306	851	1.547	921	1.799	1051	2.331	1170	2.894	1278	3.482
OUTLET VELOCITY = CFM 2.01	3800	542	.759	629	.967	710	1.190	786	1.425	859	1.672	927	1.932	1055	2.480	1172	3.060	1280	3.666
	4000	561	.862	645	1.080	723	1.310	797	1.553	867	1.808	934	2.075	1060	2.638	1175	3.235	1282	3.859
	4200	580	.975	661	1.202	737	1.441	809	1.691	877	1.954	942	2.228	1065	2.806	1179	3.420	1284	4.061
	4400	600	1.098	678	1.335	751	1.582	821	1.841	887	2.111	951	2.392	1071	2.985	1183	3.614	1287	4.272
	4600	620	1.232	695	1.478	766	1.735	834	2.001	898	2.279	960	2.568	1078	3.176	1188	3.820	1291	4.494
	4800	641	1.377	713	1.633	782	1.899	847	2.174	910	2.459	971	2.755	1086	3.378	1194	4.037	1295	4.727
5200	682	1.704	750	1.979	815	2.263	877	2.555	936	2.857	994	3.168	1104	3.820	1207	4.509	1306	5.229	

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	.874	554	1.157	630	1.460	700	1.782	765	2.121	826	2.475	939	3.220	1040	4.006	1132	4.826
	4800	485	.968	565	1.261	638	1.572	707	1.903	771	2.251	831	2.613	943	3.377	1043	4.182	1135	5.022
	5000	499	1.069	576	1.372	647	1.692	714	2.031	777	2.388	837	2.759	947	3.540	1047	4.365	1139	5.225
	5200	512	1.178	587	1.490	657	1.820	722	2.168	784	2.532	843	2.912	951	3.712	1051	4.555	1142	5.435
OUTLET VELOCITY = CFM 2.87	5400	526	1.294	599	1.617	667	1.956	731	2.312	791	2.685	849	3.074	956	3.891	1055	4.753	1145	5.652
	5600	540	1.419	611	1.752	677	2.100	740	2.465	799	2.847	856	3.244	961	4.078	1059	4.958	1149	5.877
	5800	554	1.552	623	1.895	688	2.253	749	2.627	807	3.017	863	3.423	967	4.274	1063	5.172	1153	6.109
	6000	568	1.694	635	2.047	699	2.415	758	2.798	815	3.197	870	3.611	973	4.479	1068	5.395	1157	6.351
	6200	583	1.844	648	2.208	710	2.586	768	2.978	824	3.386	878	3.808	979	4.693	1073	5.627	1161	6.600
	6400	597	2.004	661	2.379	721	2.766	778	3.168	833	3.584	886	4.015	986	4.918	1079	5.868	1166	6.860
6800	627	2.354	687	2.749	757	3.368	811	3.798	862	4.241	894	4.233	1000	5.397	1091	6.381	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	1.205	457	1.532	518	1.885	577	2.269	633	2.680	686	3.113	786	4.039	878	5.025	962	6.059
	7000	408	1.396	470	1.738	528	2.105	584	2.499	638	2.921	690	3.366	788	4.318	878	5.335	962	6.406
	7400	424	1.607	484	1.967	540	2.347	593	2.752	645	3.185	695	3.641	790	4.617	879	5.663	962	6.769
	7800	440	1.840	498	2.218	551	2.612	603	3.029	653	3.473	701	3.940	794	4.939	881	6.011	963	7.149
OUTLET VELOCITY = CFM 3.88	8200	457	2.096	512	2.492	564	2.902	613	3.332	662	3.786	708	4.265	798	5.286	883	6.382	964	7.549
	8600	473	2.376	527	2.792	577	3.217	625	3.660	671	4.126	716	4.616	803	5.659	886	6.778	966	7.972
	9000	490	2.682	542	3.117	590	3.558	636	4.015	681	4.493	725	4.994	810	6.061	891	7.207	968	8.417
	9600	516	3.190	565	3.655	611	4.122	655	4.601	698	5.099	740	5.616	820	6.715	898	7.894	973	9.139
	10000	533	3.563	581	4.049	625	4.535	668	5.029	710	5.540	750	6.070	829	7.191	904	8.390	977	9.658
	10600			605	4.697	648	5.210	689	5.728	728	6.261	767	6.810	842	7.965	915	9.196	985	10.497
11200			629	5.414	670	5.956	710	6.500	748	7.055	785	7.625	857	8.816	927	10.080	995	11.413	

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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	7000	270	.786	336	1.123	396	1.498	452	1.913											
	8000	289	1.062	350	1.435	405	1.836	457	2.272	507	2.746									
	9000	310	1.405	366	1.816	418	2.250	465	2.711	511	3.204	555	3.729							
	10000	331	1.826	384	2.273	432	2.742	477	3.233	520	3.751	561	4.299	640	5.479					
OUTLET VELOCITY = CFM 5.10	11000	354	2.333	403	2.814	448	3.321	491	3.848	531	4.393	570	4.964	644	6.179	715	7.508			
	12000	377	2.935	423	3.448	466	3.994	506	4.556	544	5.135	581	5.733	652	7.003	719	8.366	784	9.823	
	13000	401	3.643	444	4.187	484	4.766	523	5.370	559	5.980	594	6.612	661	7.929	725	9.335	787	10.835	
	14000	425	4.464	465	5.035	504	5.653	541	6.287	575	6.937	609	7.603	673	8.987	734	10.441	793	11.984	
	15000	450	5.407	487	6.005	524	6.657	559	7.330	593	8.019	625	8.724	686	10.166	744	11.681	800	13.262	
	16000	476	6.482	510	7.106	545	7.782	579	8.495	611	9.224	642	9.958	701	11.477	757	13.055	810	14.687	
17000	501	7.697	534	8.344	566	9.051	598	9.794	629	10.559	660	11.342	717	12.935	770	14.564	822	16.271		

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	10000	231	1.072	289	1.534	341	2.040	390	2.600										
	11000	241	1.322	297	1.822	346	2.355	392	2.930	436	3.558								
	12000	252	1.613	306	2.153	353	2.721	396	3.323	438	3.968	477	4.659						
	13000	264	1.952	315	2.536	360	3.133	402	3.761	441	4.430	479	5.135						
OUTLET VELOCITY = CFM 6.71	14000	276	2.334	325	2.966	368	3.601	408	4.256	445	4.946	482	5.689	551	7.254				
	15000	288	2.768	335	3.450	377	4.124	416	4.821	452	5.543	487	6.295	553	7.909	616	9.669		
	16000	300	3.254	346	3.990	387	4.708	424	5.436	459	6.192	492	6.970	556	8.633	617	10.418		
	17000	313	3.802	357	4.587	397	5.352	433	6.123	466	6.898	499	7.707	560	9.406	619	11.253	675	13.208
	18000	327	4.417	369	5.245	407	6.061	442	6.869	475	7.690	506	8.522	566	10.295	622	12.147	676	14.136
	19000	340	5.094	380	5.975	417	6.830	452	7.689	484	8.548	514	9.422	571	11.221	627	13.161	679	15.171
20000	354	5.839	392	6.762	429	7.683	462	8.577	493	9.477	552	10.381	579	12.272	632	14.240	683	16.316	

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	13000	213	1.480	263	2.017	308	2.581	350	3.218										
	14000	221	1.753	269	2.336	312	2.924	352	3.567	391	4.290								
	15000	229	2.057	276	2.692	317	3.311	355	3.968	392	4.691								
	16000	238	2.397	283	3.085	322	3.741	359	4.423	395	5.154	429	5.950						
OUTLET VELOCITY = CFM 8.07	17000	246	2.773	291	3.520	329	4.216	364	4.927	398	5.667	431	6.469						
	18000	255	3.191	298	3.993	335	4.738	370	5.480	402	6.247	434	7.055	495	8.859				
	19000	264	3.652	306	4.509	342	5.309	376	6.088	407	6.879	438	7.707	496	9.513				
	20000	273	4.156	314	5.072	350	5.925	382	6.744	413	7.570	442	8.413	498	10.236	554	12.289		
	21000	283	4.711	322	5.681	357	6.589	389	7.452	418	8.318	447	9.189	502	11.038	555	13.081		
	22000	292	5.314	331	6.342	365	7.304	396	8.220	425	9.119	452	10.029	505	11.921	557	13.975	607	16.235
23000	302	5.972	339	7.047	373	8.069	403	9.040	431	9.981	458	10.928	510	12.862	559	14.941	608	17.206	

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	17000	205	2.191	249	2.926	288	3.688	325	4.509	360	5.392	394	6.356						
	18000	211	2.503	254	3.286	292	4.078	328	4.920	361	5.819	394	6.788						
	19000	218	2.849	259	3.677	296	4.502	331	5.371	363	6.295	395	7.280						
	20000	224	3.224	265	4.100	301	4.968	334	5.863	366	6.806	397	7.813	454	9.990				
OUTLET VELOCITY = CFM 9.30	21000	231	3.638	271	4.563	306	5.473	338	6.397	369	7.367	399	8.386	455	10.590				
	22000	238	4.084	277	5.057	311	6.009	342	6.971	372	7.964	401	9.002	456	11.244	508	13.693		
	23000	245	4.569	283	5.596	316	6.587	347	7.592	376	8.615	404	9.678	458	11.953	508	14.437		
	24000	252	5.100	289	6.171	322	7.211	352	8.245	380	9.306	407	10.398	460	12.715	509	15.210	557	17.937
	25000	259	5.664	295	6.783	327	7.871	357	8.955	385	10.054	411	11.163	462	13.519	510	16.053	557	18.801
	26000	267	6.274	302	7.441	333	8.583	362	9.706	389	10.830	415	11.995	465	14.392	512	16.964	557	19.725
27000	274	6.935	308	8.150	339	9.336	367	10.509	394	11.667	419	12.855	468	15.323	514	17.923	558	20.706	

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	23000	200	3.615	239	4.665	273	5.654	303	6.661	332	7.721	361	8.851						
	25000	210	4.422	248	5.588	280	6.676	309	7.753	337	8.864	364	10.028	415	12.537				
	27000	220	5.348	257	6.640	288	7.833	316	8.992	343	10.169	368	11.377	417	13.949				
	28000	225	5.858	261	7.204	292	8.461	320	9.672	346	10.875	371	12.115	418	14.726	464	17.570		
OUTLET VELOCITY = CFM 12.05	30000	236	6.995	271	8.449	301	9.825	328	11.127	353	12.411	377	13.714	422	16.426	466	19.330	508	22.443
	31000	241	7.613	275	9.124	305	10.551	332	11.919	357	13.244	380	14.590	424	17.334	467	20.267	508	23.407
	32000	247	8.277	280	9.837	310	11.330	336	12.746	361	14.124	384	15.491	427	18.317	469	21.272	509	24.453
	33000	252	8.981	285	10.578	314	12.137	340	13.601	364	15.030	387	16.455	430	19.342	471	22.347	510	25.554
	34000	258	9.728	290	11.371	319	12.987	345	14.519	369	15.997	391	17.460	433	20.410	473	23.470	512	26.681
	35000	264	10.519	294	12.195	323	13.882	349	15.466	373	16.993	395	18.507	436	21.524	475	24.643	513	27.892
36000	270	11.348	300	13.075	328	14.808	354	16.464	377	18.053	399	19.596	440	22.701	478	25.867	515	29.189	

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													