

# Supply Fan Performance Data



Capacity CFM	Outlet-V FPM	1/8" SP		1/4" SP		3/8" SP		1/2" SP		5/8" SP		3/4" SP		1" SP	
		RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP
<b>ARS - 9</b>															
500	595	402	.02	558	.04	690	.06	792	.08	890	.11	954	.13	1088	.17
600	714	412	.03	559	.05	692	.07	795	.10	899	.13	968	.15	1105	.20
700	833	441	.04	572	.06	690	.08	790	.11	899	.15	974	.17	1119	.23
800	952	469	.05	584	.07	698	.10	787	.12	897	.17	971	.19	1125	.26
1000	1190	519	.09	621	.11	710	.15	810	.18	900	.20	965	.23	1110	.30
1200	1429	595	.14	670	.16	750	.20	836	.23	910	.28	989	.31	1117	.37
1400	1667	680	.21	726	.23	800	.28	876	.31	950	.36	1014	.39	1144	.49
1600	1905	750	.31	796	.33	860	.39	923	.41	998	.57	1048	.49	1168	.59
<b>ARS - 10</b>															
800	769	375	.04	449	.06	600	.09	694	.12	790	.16	865	.19		
1000	962	403	.07	520	.09	605	.12	699	.15	780	.19	848	.22	996	.30
1200	1154	450	.10	546	.12	630	.17	713	.19	780	.22	855	.26	979	.35
1400	1346	498	.14	580	.17	651	.20	734	.25	803	.30	865	.33	987	.41
1600	1538	547	.20	621	.23	690	.28	758	.31	828	.38	889	.41	997	.49
1800	1731	600	.27	664	.30	728	.37	789	.39	850	.45	908	.49	1021	.60
2000	1923	651	.36	708	.39	760	.45	824	.49	879	.53	934	.60	1040	.71
2200	2115	709	.47	755	.49	811	.53	864	.61	920	.69	965	.72	1063	.84
2400	2308	760	.53	805	.62	857	.71	908	.75	955	.84	999	.86	1092	1.00
<b>ARS - 12</b>															
1600	1096	400	.11	488	.16	567	.20	642	.25	715	.30	773	.36	899	.49
1800	1233	429	.16	507	.20	588	.26	653	.30	722	.38	780	.41	892	.54
2000	1370	456	.20	529	.25	600	.30	669	.36	745	.42	788	.48	898	.61
2200	1507	491	.26	554	.30	624	.38	685	.43	750	.50	799	.55	905	.69
2400	1644	521	.31	580	.37	648	.44	702	.50	761	.57	815	.64	914	.78
2600	1781	551	.40	608	.44	660	.51	723	.59	773	.69	831	.74	927	.88
2800	1918	590	.49	637	.53	697	.65	745	.68	800	.76	847	.84	943	1.00
3000	2055	624	.54	667	.63	720	.73	769	.79	825	.91	866	.96	959	1.13
3200	2192	651	.70	698	.74	750	.81	795	.91	849	1.01	900	1.41	990	1.66
<b>ARS - 15</b>															
3000	1456	410	.40	467	.47	515	.53	578	.66	649	.79	706	.94	791	1.17
3200	1553	438	.45	485	.55	525	.68	584	.73	647	.81	708	1.01	805	1.29
3400	1650	456	.53	504	.64	549	.74	594	.74	649	.98	707	1.09	813	1.41
3600	1748	490	.73	524	.74	568	.81	607	.92	651	1.11	707	1.17	817	1.52
3800	1845	509	.79	544	.85	590	1.01	622	1.04	663	1.25	710	1.27	818	1.61
4000	1942	523	.83	564	.97	600	1.10	639	1.16	675	1.31	718	1.39	816	1.71
4200	2039	539	.95	582	1.09	611	1.19	657	1.30	691	1.43	729	1.53	817	1.83
4400	2136	563	1.10	603	1.23	640	1.30	675	1.46	715	1.57	743	1.68	821	1.97
4600	2233	600	1.32	626	1.39	665	1.53	693	1.62	730	1.81	758	1.85	829	2.13
4800	2330	633	1.52	651	1.57	691	1.80	712	1.80	753	2.03	775	2.04	839	2.31
5000	2427	644	1.60	675	1.77	700	1.91	732	1.99	761	2.10	792	2.24	852	2.51
<b>ARS - 18</b>															
4500	1552	410	.71	454	.77	500	.89	543	1.03	588	1.21	621	1.29	696	1.59
5000	1724	449	.88	485	1.00	527	1.19	566	1.28	609	1.48	646	1.58	707	1.86
5500	1897	448	1.20	520	1.28	557	1.48	590	1.56	637	1.78	665	1.89	733	2.22
6000	2069	525	1.50	553	1.60	588	1.77	619	1.91	656	2.11	688	2.26	755	2.62
6500	2241	556	1.91	585	1.97	624	2.19	650	2.30	679	2.57	711	2.67	774	3.05
7000	2414	600	2.30	620	2.40	653	2.79	681	2.75	713	3.00	737	3.13	798	3.55
7500	2586	640	2.91	657	2.91	691	3.11	716	3.29	747	3.59	768	3.67	—	—
<b>ARS - 20</b>															
5000	1175	305	.47	345	.49	390	.67	430	.79	465	.89	505	1.03	555	1.19
7500	1762	430	1.24	450	1.39	470	1.56	510	1.85	560	2.00	615	2.17	620	2.67
10000	2350	550	2.83	570	3.00	590	3.24	635	3.50	650	3.66	700	3.86	710	4.32
12000	2850	650	4.88	665	5.00	690	5.39	735	5.54	745	6.15	—	—	—	—

## Supply Fan and Curb Weights



### ARS Supply Fan Weight Chart

Model ACRUB	HP	Weight	Model	HP	Weight
ARS-10	1/6	190	ARS-15	1	245
ARS-10	1/4	198	ARS-15	1 1/2	295
ARS-10	1/3	200	ARS-15	2	330
ARS-10	1/2	205	ARS-15	3	345
ARS-10	3/4	210	ARS-18	1/2	320
ARS-12	1/4	210	ARS-18	3/4	325
ARS-12	1/3	215	ARS-18	1	330
ARS-12	1/2	220	ARS-18	1 1/2	335
ARS-12	3/4	225	ARS-18	2	350
ARS-12	1	230	ARS-18	3	360
ARS-12	1 1/2	235	ARS-20	1 1/2	410
ARS-15	1/3	220	ARS-20	2	420
ARS-15	1/2	225	ARS-20	3	440
ARS-15	3/4	235	ARS-20	5	490

### ARS Roof Curb Weight Chart

Model ACRUB	Size	Weight
9	23" Sq. x 12" Tall	20
10-12-15	33" Sq. x 12" Tall	38
18	41" Sq. x 12" Tall	49
20	41" x 51" x 12" Tall	60

\*Consult factory for exact weights.