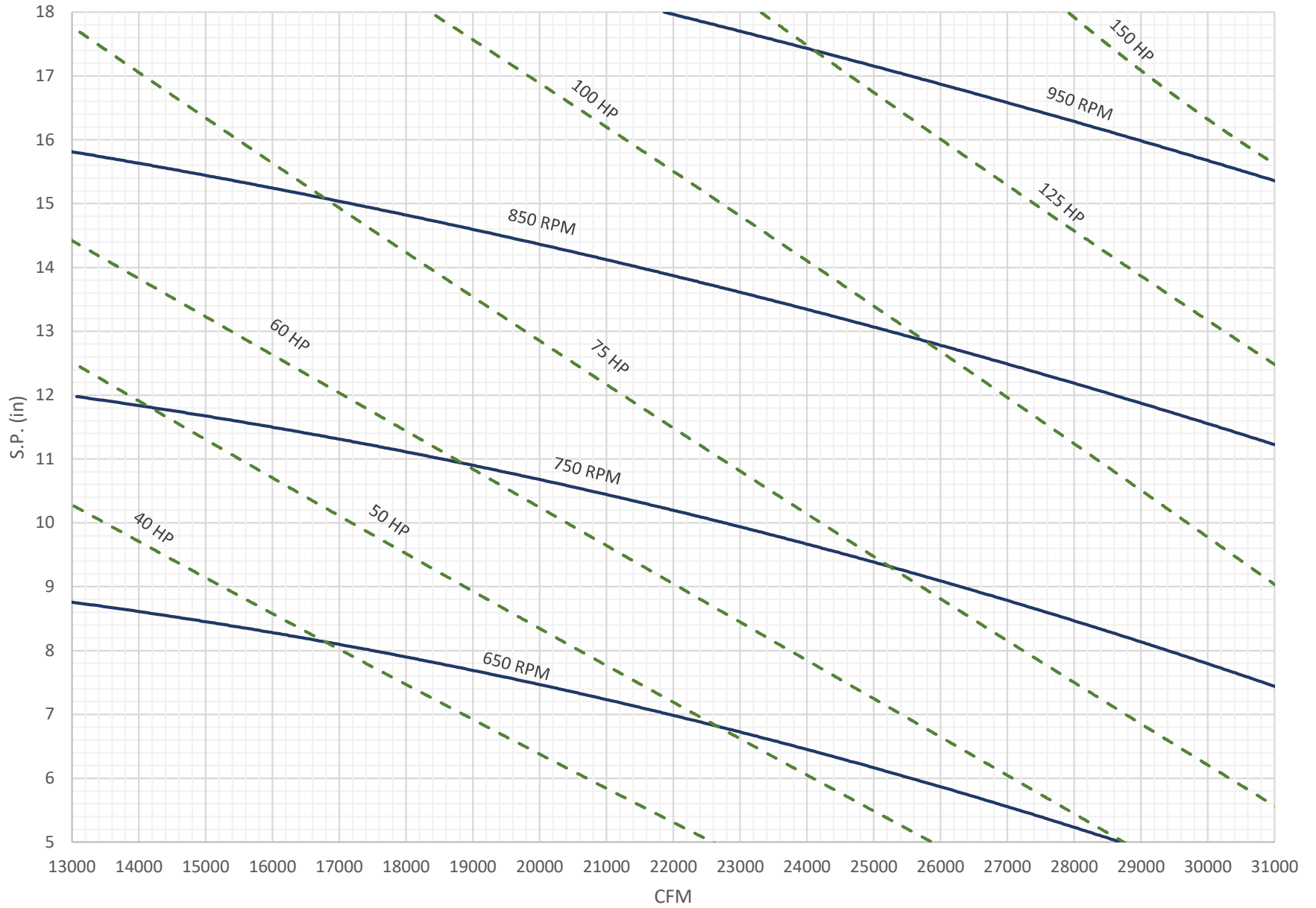


### No. 70 Fan Performance Curves





## No. 70 Material Handling Fan

Wheel Diameter 62"

No. of Blades: 12

Wheel Circumference 16.229'

Max RPM: 925

\*outlet velocity based on 29" diameter pipe

CFM	OUT VEL	3" S.P.		4" S.P.		5" S.P.		6" S.P.		7" S.P.		8" S.P.		9" S.P.		10" S.P.		11" S.P.		12" S.P.		13" S.P.		14" S.P.		15" S.P.		16" S.P.		17" S.P.		18" S.P.	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
9174	2000	386	7.74	439	10.83	485	14.46	530	17.63	566	19.29	604	25.55	642	28.55	674	31.02	705	33.79	734	38.59	762	40.97	790	46.27	819	51.13	841	58.21	868	60.16	886	68.98
10091	2200	392	8.58	444	11.76	491	15.69	533	18.60	569	19.47	607	27.21	645	30.00	676	32.36	709	36.14	737	40.42	766	43.36	793	48.71	822	53.86	844	59.92	870	61.87	890	70.69
11009	2400	398	9.57	451	13.01	496	16.91	537	19.73	574	22.03	611	28.87	649	31.66	680	33.93	712	37.80	740	42.63	769	45.77	797	51.16	827	57.07	847	61.63	872	63.58	894	72.40
11926	2600	405	10.59	460	14.04	502	18.13	543	21.33	579	24.15	617	30.53	653	33.14	685	36.32	715	39.81	745	45.57	773	48.54	800	53.60	830	60.27	849	63.79	874	65.13	898	73.95
12844	2800	413	11.90	465	15.42	509	19.58	548	22.76	585	25.96	623	32.18	658	35.24	689	38.18	719	41.82	749	48.13	777	50.95	803	55.64	834	63.47	853	66.38	877	67.66	902	76.48
13761	3000	421	13.12	471	16.88	516	20.95	554	24.36	591	27.94	628	33.52	662	36.90	693	40.01	723	44.17	753	50.69	780	52.93	807	58.08	838	66.20	856	68.53	881	71.24	906	80.03
14678	3200	429	14.38	480	18.60	523	22.55	560	26.04	596	29.89	633	35.18	667	39.05	699	42.81	728	46.85	758	53.84	784	56.13	811	61.08	842	69.40	860	71.56	884	74.39	910	83.61
15596	3400	438	15.89	486	19.93	528	23.95	565	27.56	603	32.07	640	37.13	673	41.44	703	44.52	733	50.20	761	55.20	789	59.31	816	64.60	846	72.61	864	74.55	889	78.37	915	87.68
16513	3600	447	17.29	494	21.65	532	25.00	573	29.48	609	34.22	645	39.20	678	43.33	708	47.55	739	53.54	766	58.61	795	63.26	820	67.45	849	75.34	867	77.14	894	82.44	919	92.63
17431	3800	455	18.71	502	23.25	542	27.62	581	31.72	617	36.78	651	41.50	684	45.98	714	50.52	744	56.54	772	62.02	800	66.90	824	70.31	854	78.54	873	81.04	898	86.52	924	96.32
18348	4000	466	20.60	510	24.97	549	29.27	588	34.02	624	39.14	657	43.80	692	49.30	720	53.49	750	59.89	777	65.07	806	70.89	829	73.97	858	81.74	878	85.00	904	91.61	930	100.89
19265	4200	473	22.09	517	26.54	557	31.43	594	36.14	629	41.09	663	4.33	696	50.98	725	56.16	756	63.23	784	69.17	811	74.06	834	77.52	861	84.48	884	89.40	910	96.70	935	105.20
20183	4400	483	24.07	527	28.72	565	33.55	600	38.24	636	43.24	669	48.86	703	54.10	730	58.84	761	65.91	789	71.88	816	77.84	840	81.31	865	87.68	890	94.23	915	101.27	939	109.04
21100	4600	492	26.04	535	30.88	573	35.71	609	40.94	643	45.86	675	50.93	708	56.98	739	62.97	767	69.61	794	74.55	821	80.75	845	84.97	869	90.88	894	97.31	920	105.63	945	113.36
22018	4800	501	27.91	543	33.20	581	37.68	615	43.24	650	48.66	683	54.36	715	60.15	745	66.26	773	73.27	801	78.69	827	84.39	852	89.86	876	95.42	901	102.14	926	110.96	951	118.17
22935	5000	513	30.61	553	35.68	590	40.74	625	46.33	658	52.15	692	57.59	722	63.61	752	69.81	780	76.97	808	82.79	833	88.03	857	93.53	884	101.41	907	106.97	933	116.28	956	122.98
23852	5200	524	33.00	562	38.12	598	43.42	633	49.00	666	55.17	699	60.50	729	67.08	760	74.18	788	81.66	815	86.95	839	92.04	865	98.82	891	106.39	914	112.24	938	120.94	962	127.78
24770	5400	534	35.39	571	40.59	607	46.44	641	51.83	674	58.20	704	63.26	735	70.22	766	77.70	795	85.99	821	90.94	846	96.40	871	103.31	898	111.80	920	117.10	945	126.06	968	132.58
25687	5600	545	37.89	583	43.83	617	49.50	651	55.67	683	61.93	713	67.40	743	74.26	774	81.86	801	89.34	827	94.95	853	100.77	877	107.44	905	116.81	926	121.49	951	130.72	974	137.85
26605	5800	556	40.68	592	46.91	626	52.56	659	58.81	690	64.95	721	71.00	751	78.02	780	85.38	809	93.70	835	99.67	860	105.14	884	112.39	913	122.22	933	126.99	957	135.84	980	142.65
27522	6000	566	42.92	602	49.94	636	55.79	668	62.42	700	69.11	729	75.14	759	82.21	787	89.22	815	96.00	841	103.31	867	109.50	891	117.77	920	127.20	939	132.20	963	140.96	986	147.45
28439	6200	577	45.57	612	53.43	646	59.36	678	66.26	709	73.07	739	79.56	766	86.25	795	93.38	823	100.66	849	108.40	874	114.16	897	122.31	926	131.80	946	137.38	970	146.55	992	153.27
29357	6400	588	49.12	622	56.89	658	63.96	690	70.77	719	77.58	749	83.98	775	90.94	802	97.54	830	105.31	857	113.49	882	120.07	905	127.69	930	134.79	953	143.06	977	151.67	999	159.18
30274	6600	599	52.85	633	60.56	669	68.09	700	75.02	729	82.09	758	88.87	784	95.59	811	102.03	837	109.69	863	117.51	890	125.13	912	132.64	936	139.51	960	148.73	984	157.26	1005	165.12
31192	6800	611	56.77	647	64.59	679	72.02	711	79.59	740	87.10	769	94.78	794	100.89	819	106.89	846	114.98	871	121.49	897	130.60	919	137.62	944	145.65	966	153.94	988	161.10	1011	171.02
32109	7000	624	61.29	658	68.62	691	76.39	722	84.42	750	91.87	777	99.14	804	106.19	826	111.16	854	119.98	880	127.90	904	136.10	927	142.97	950	150.83	974	160.58	996	168.43	1018	176.96