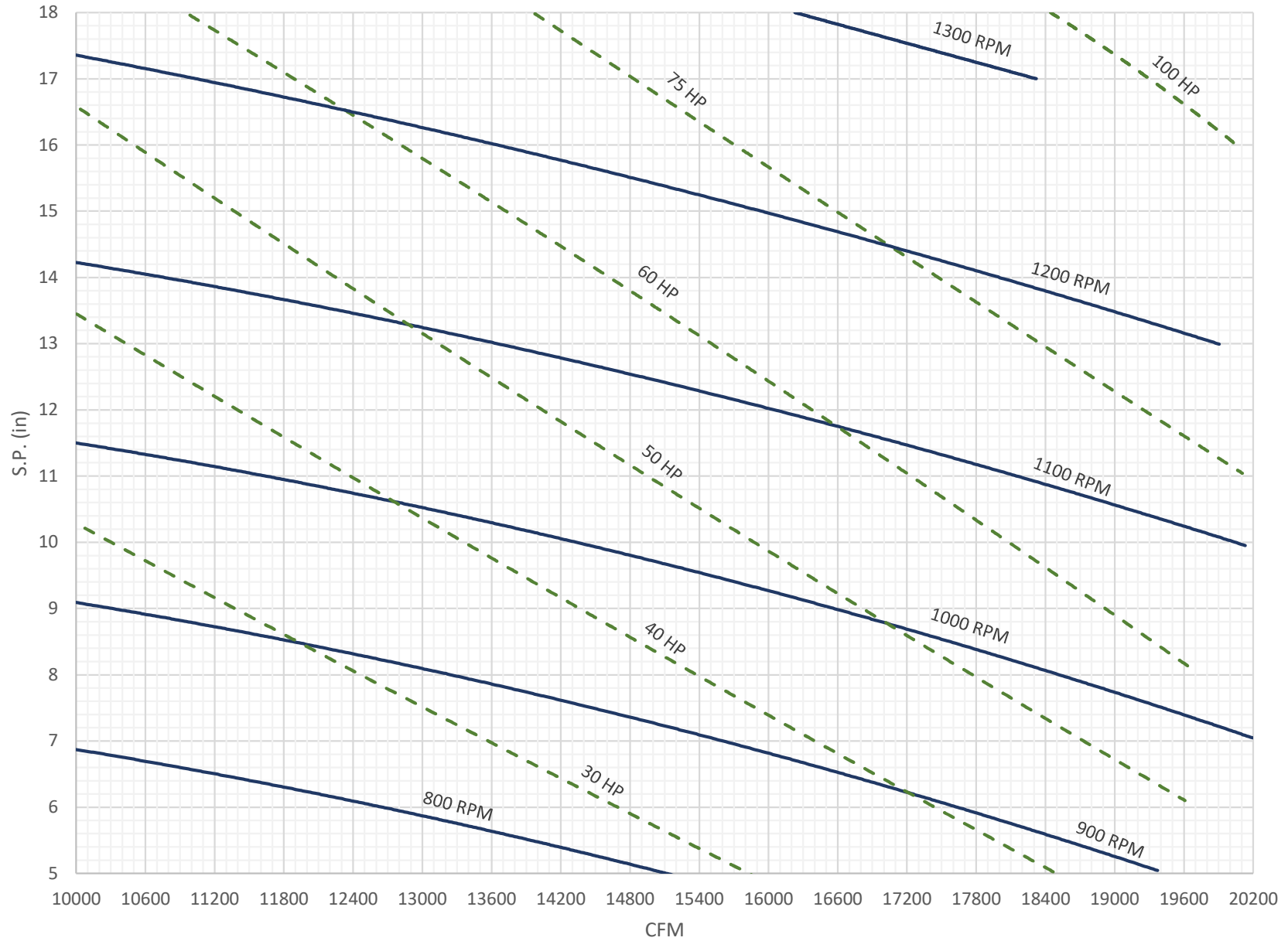


No. 55 Fan Performance Curves





No. 55 Material Handling Fan

Wheel Diameter 46.5"

No. of Blades: 12

Wheel Circumference 12.172'

Max RPM: 1225

*outlet velocity based on 23" 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
5770	2000	514	4.87	585	6.81	646	9.10	706	11.09	755	12.14	805	16.08	855	17.96	898	19.51	940	21.25	979	24.27	1017	25.77	1053	29.10	1092	32.16	1123	36.71	1157	37.41	1181	42.91
6347	2200	522	5.40	592	7.39	654	9.87	711	11.69	759	12.79	809	17.12	860	18.87	902	20.35	945	22.73	982	25.42	1021	27.27	1058	30.64	1096	33.88	1126	37.69	1160	38.39	1186	43.89
6924	2400	531	6.02	602	8.18	662	10.63	716	12.51	765	13.86	815	18.16	866	19.92	907	21.34	949	23.78	987	26.82	1026	28.79	1062	32.18	1102	35.90	1129	38.67	1163	39.40	1192	44.90
7501	2600	540	6.66	609	8.84	670	11.40	724	13.41	773	15.19	823	19.20	870	20.85	914	22.84	954	25.02	993	28.66	1031	30.53	1067	33.72	1107	36.92	1133	40.12	1165	40.97	1197	46.47
8078	2800	555	7.48	619	9.70	679	12.37	731	14.31	780	16.33	831	20.24	877	22.17	919	24.02	958	26.30	999	30.28	1036	32.05	1071	35.00	1113	39.92	1137	41.75	1169	42.56	1202	48.10
8655	3000	561	8.25	629	10.61	687	13.18	739	15.32	787	17.57	837	21.09	883	23.21	924	25.17	964	27.79	1004	31.89	1040	33.30	1075	36.54	1117	41.64	1141	43.11	1174	44.81	1208	50.34
9232	3200	571	9.04	639	11.69	698	14.18	746	16.38	795	18.80	845	22.13	889	24.56	932	26.93	970	29.47	1011	33.86	1050	35.30	1081	38.42	1123	43.66	1147	45.01	1179	46.73	1213	52.59
9809	3400	583	9.99	648	12.54	705	15.06	754	17.33	804	20.17	853	23.36	897	26.07	937	28.01	978	31.57	1014	34.72	1052	37.30	1088	40.64	1128	45.67	1152	46.90	1185	49.29	1219	55.15
10386	3600	595	10.87	659	13.62	710	15.72	763	18.54	812	21.52	860	24.66	903	27.26	945	29.91	988	33.68	1022	36.87	1060	39.79	1093	42.43	1133	47.39	1157	48.53	1191	51.86	1226	58.26
10963	3800	607	11.77	669	14.62	723	17.37	774	19.95	822	23.14	868	26.10	912	28.92	952	31.78	993	35.57	1030	39.01	1067	42.08	1100	44.22	1138	49.40	1164	50.97	1198	54.41	1233	60.59
11540	4000	622	12.96	680	15.70	732	18.41	783	21.39	831	24.62	876	27.55	923	31.01	960	33.64	1000	37.67	1037	40.93	1075	44.57	1106	46.53	1143	51.42	1171	54.38	1205	57.62	1239	63.46
12117	4200	631	13.89	690	16.69	742	19.76	792	22.73	839	25.85	884	29.14	928	32.07	967	35.33	1008	39.78	1046	43.51	1081	46.58	1113	48.76	1148	53.14	1178	56.23	1213	60.83	1246	66.17
12694	4400	643	15.13	702	18.06	753	21.10	801	24.05	848	27.20	893	31.06	937	34.03	974	37.01	1014	41.46	1052	45.21	1089	48.96	1119	51.14	1154	55.15	1187	59.27	1220	63.70	1253	68.59
13271	4600	656	16.38	713	19.42	764	22.45	811	25.75	857	28.85	900	32.03	945	35.48	985	39.61	1023	43.78	1058	46.90	1095	50.79	1126	53.45	1159	57.16	1192	61.21	1227	66.45	1260	71.31
13848	4800	667	17.55	725	20.88	782	23.70	821	27.19	866	30.61	911	34.19	953	37.84	993	41.68	1031	46.09	1068	49.50	1102	53.27	1136	56.52	1168	60.02	1201	64.25	1235	69.80	1267	74.33
14425	5000	684	19.25	737	22.44	787	25.62	833	29.13	878	32.80	922	36.22	962	40.01	1003	43.91	1040	48.41	1077	52.08	1110	55.37	1143	58.83	1178	63.79	1209	67.29	1243	73.14	1275	77.35
15003	5200	699	20.75	749	23.97	797	27.30	844	30.82	888	34.71	931	38.06	972	42.19	1013	46.66	1051	51.36	1086	54.69	1119	57.90	1153	62.16	1188	66.92	1219	70.60	1251	76.07	1283	80.38
15579	5400	712	22.25	762	25.53	810	29.21	855	32.59	898	36.79	939	39.79	980	44.17	1022	48.87	1061	54.09	1095	57.20	1128	60.64	1161	64.98	1198	70.33	1227	73.66	1260	79.30	1291	83.40
16156	5600	726	23.83	777	27.56	822	31.13	868	35.34	910	38.95	951	42.39	991	46.71	1032	51.49	1068	56.19	1103	59.73	1137	63.39	1169	67.58	1207	73.47	1235	76.42	1267	82.22	1299	86.71
16733	5800	742	25.58	790	29.50	835	33.05	879	36.99	921	40.86	961	44.66	1001	49.07	1041	53.70	1078	58.94	1113	62.69	1147	66.13	1178	70.69	1217	77.06	1244	79.88	1276	85.45	1307	89.73
17310	6000	754	26.99	802	31.40	848	35.08	891	39.25	934	43.47	972	47.26	1012	51.71	1050	56.12	1087	60.39	1121	64.98	1156	68.88	1188	74.08	1226	80.01	1253	83.16	1284	88.67	1315	92.75
17887	6200	769	28.66	816	33.61	861	37.33	904	41.67	945	45.96	985	50.04	1022	54.25	1060	58.74	1097	63.32	1132	68.18	1165	71.81	1197	76.93	1235	82.90	1261	86.41	1294	92.18	1323	96.41
18464	6400	784	30.89	830	35.78	877	40.22	920	44.51	958	47.80	997	52.82	1034	57.20	1070	61.36	1107	66.24	1143	71.57	1176	72.52	1207	80.32	1240	84.79	1270	89.88	1302	95.40	1332	100.13
19041	6600	799	33.23	845	38.08	892	42.82	934	47.18	972	51.64	1010	55.90	1045	60.13	1081	64.18	1116	68.95	1151	73.91	1185	78.89	1216	83.43	1248	87.75	1280	93.55	1311	98.92	1340	103.86
19618	6800	814	35.70	862	40.85	906	45.29	948	50.05	986	54.79	1025	59.62	1058	63.46	1092	67.22	1128	72.32	1161	76.42	1195	82.15	1226	86.56	1258	91.61	1288	96.83	1318	101.33	1349	107.58
20195	7000	832	38.54	877	43.16	921	48.05	962	53.09	1000	57.79	1036	62.36	1071	66.79	1101	69.92	1139	75.49	1173	80.45	1205	85.61	1236	89.93	1267	94.87	1299	101.00	1329	105.95	1357	111.31