

Type NH Fans

NON-OVERLOADING MEDIUM SPEED HIGH EFFICIENCY

NH SIZE 89

Outlet Size 35-3/8" x 46-1/2" I.D. • Inlet Size 46-1/4" I.D. • Tip speed = RPM x 11.65
Wheel Diameter 44-1/2" • Outlet Area 11.41 Sq. Ft. Inside • Max. BHP = 50.18 ($\frac{RPM}{1000}$)³

S.P.	1.00		2.00		3.00		4.00		5.00		6.00		7.00		8.00		9.00		10.00		11.00		12.00		13.00		14.00		
CFM	OV	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
23000	2016	566	8.05	637	11.98	702	16.14	765	20.49	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
23950	2099	583	8.75	652	12.84	716	17.11	777	21.60	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
24900	2182	600	9.49	667	13.73	730	18.11	789	22.73	846	27.59	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
25850	2266	617	10.27	683	14.65	745	19.22	801	23.91	857	28.83	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
26800	2349	636	11.18	700	15.68	759	20.30	814	25.16	869	30.21	921	35.52	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
27750	2432	654	12.08	716	16.69	774	21.51	828	26.45	881	31.64	932	36.98	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
28700	2515	673	13.10	733	17.81	789	22.76	842	27.79	893	33.10	944	38.61	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
29650	2599	692	14.16	749	18.91	804	24.06	857	29.27	905	34.59	956	40.28	1003	46.02	*	*	*	*	*	*	*	*	*	*	*	*	*	*
30600	2682	711	15.29	766	20.13	819	25.41	872	30.80	920	36.30	968	42.00	1015	47.91	*	*	*	*	*	*	*	*	*	*	*	*	*	*
31550	2765	730	16.48	783	21.41	835	26.79	886	32.28	934	37.94	980	43.77	1026	49.69	1070	55.84	*	*	*	*	*	*	*	*	*	*	*	*
32500	2848	749	17.73	800	22.73	851	28.22	901	33.91	948	39.64	992	45.55	1038	51.67	1082	57.98	*	*	*	*	*	*	*	*	*	*	*	*
33450	2932	768	19.04	817	24.12	868	29.81	916	35.61	963	41.51	1006	47.46	1050	53.69	1094	60.17	1135	66.64	*	*	*	*	*	*	*	*	*	*
34400	3015	787	20.41	834	25.56	884	31.35	931	37.35	977	43.31	1021	49.57	1062	55.77	1106	62.42	1147	69.05	*	*	*	*	*	*	*	*	*	*
35350	3098	806	21.86	851	27.06	901	33.05	946	39.16	992	45.30	1035	51.60	1075	57.96	1118	64.71	1159	71.51	1198	78.40	*	*	*	*	*	*	*	*
36300	3181	826	23.45	869	28.71	917	34.70	962	40.99	1007	47.35	1049	53.67	1090	60.36	1130	67.07	1171	74.03	1209	80.88	1247	88.16	*	*	*	*	*	*
37250	3265	845	25.03	886	30.31	934	36.53	978	42.89	1022	49.46	1064	55.96	1104	62.67	1142	69.47	1182	76.41	1221	83.61	1258	90.84	*	*	*	*	*	*
38200	3348	864	26.69	905	32.16	951	38.42	995	44.98	1037	51.63	1079	58.32	1118	65.03	1156	72.04	1194	79.03	1233	86.40	1270	93.79	1306	101.38	*	*	*	*
39150	3431	884	28.51	924	34.09	968	40.37	1011	47.00	1052	53.86	1093	60.57	1133	67.63	1170	74.63	1207	81.92	1245	89.25	1282	96.80	1317	104.32	*	*	*	*
40100	3514	903	30.31	943	36.10	985	42.39	1028	49.23	1068	56.21	1108	63.06	1147	70.12	1184	77.29	1220	84.71	1257	92.16	1294	99.88	1329	107.55	1363	115.37	*	*
41050	3598	923	32.30	961	38.06	1002	44.48	1044	51.38	1084	58.54	1123	65.61	1162	72.85	1199	80.20	1234	87.60	1269	95.13	1306	103.02	1341	110.85	1375	118.84	1408	126.94
42000	3681	942	34.26	980	40.22	1019	46.64	1061	53.74	1100	60.94	1138	68.22	1177	75.66	1213	82.98	1248	90.54	1282	98.31	1318	106.22	1353	114.22	1387	122.36	1419	130.36
42950	3764	962	36.42	999	42.47	1036	48.86	1078	56.17	1116	63.41	1153	70.91	1191	78.33	1228	86.04	1262	93.56	1296	101.50	1330	109.49	1365	117.65	1398	125.69	1431	134.11
43900	3848	982	38.66	1018	44.79	1054	51.31	1094	58.52	1133	66.12	1169	73.71	1204	81.28	1242	88.96	1277	96.87	1310	104.75	1342	112.79	1377	121.15	1410	129.35	1443	137.93
44850	3931	1001	40.88	1037	47.20	1071	53.69	1111	61.10	1149	68.73	1185	76.51	1221	84.30	1257	92.16	1291	100.02	1324	108.07	1356	116.27	1389	124.71	1422	133.07	1455	141.82
45800	4014	1021	43.30	1056	49.70	1089	56.25	1128	63.76	1166	71.60	1201	79.38	1236	87.39	1272	95.44	1306	103.48	1339	111.71	1370	119.83	1401	128.33	1434	136.87	1467	145.78

NH SIZE 98

Outlet Size 39" x 51-1/8" I.D. • Inlet Size 51-1/4" I.D. • Tip speed = RPM x 12.83
Wheel Diameter 49" • Outlet Area 13.85 Sq. Ft. Inside • Max. BHP = 81.31 ($\frac{RPM}{1000}$)³

S.P.	1.00		2.00		3.00		4.00		5.00		6.00		7.00		8.00		9.00		10.00		11.00		12.00		13.00		14.00		
CFM	OV	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
28000	2022	515	9.81	580	14.64	638	19.61	696	25.00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
29100	2101	530	10.64	593	15.63	651	20.81	706	26.23	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
30200	2181	545	11.51	606	16.66	663	21.96	717	27.62	768	33.42	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
31300	2260	560	12.43	620	17.75	676	23.25	727	28.93	778	34.91	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
32400	2339	576	13.45	634	18.87	688	24.48	738	30.35	788	36.45	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
33500	2419	592	14.52	648	20.04	701	25.87	750	31.82	799	38.18	845	44.59	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
34600	2498	608	15.65	663	21.36	714	27.31	763	33.47	809	39.81	855	46.40	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
35700	2578	625	16.91	677	22.63	727	28.80	775	35.04	820	41.63	866	48.42	908	55.22	*	*	*	*	*	*	*	*	*	*	*	*	*	*
36800	265	641	18.16	692	24.06	740	30.35	788	36.80	832	43.47	876	50.33	919	57.49	*	*	*	*	*	*	*	*	*	*	*	*	*	*
37900	2736	658	19.56	706	25.44	754	31.98	801	38.62	844	45.34	886	52.29	929	59.64	969	67.05	*	*	*	*	*	*	*	*	*	*	*	*
39000	2816	674	20.94	721	26.98	768	33.64	813	40.35	856	47.25	897	54.47	939	61.83	979	69.42	*	*	*	*	*	*	*	*	*	*	*	*
40100	2895	691	22.48	736	28.59	782	35.35	826	42.28	869	49.40	909	56.70	950	64.27	989	71.85	1027	79.80	*	*	*	*	*	*	*	*	*	*
41200	2975	707	23.99	750	30.14	796	37.12	839	44.27	882	51.60	921	58.93	960	66.57	999	74.33	1037	82.46	*	*	*	*	*	*	*	*	*	*
42300	3054	724	25.68	765	31.87	811	39.10	852	46.32	894	53.70	934	61.40	970	68.93	1010	77.09	1047	85.18	1083	93.58	*	*	*	*	*	*	*	*
43400	3134	741	27.45	780	33.67	825	41.00	866	48.52	907	56.03	946	63.75	983	71.70	1020	79.69	1057	87.96	1093	96.54	*	*	*	*	*	*	*	*
44500	3213	757	29.18	795	35.53	840	43.11	880	50.70	920	58.43	959	66.36	995	74.30	1031	82.58	1068	91.05	1103	99.57	1137	108.34	*	*	*	*	*	*
45600	3292	774	31.11	811	37.57	854	45.14	894	52.95	933	60.90	971	68.83	1007	76.96	1042	85.45	1078	93.95	1113	102.65	1147	111.60	*	*	*	*	*	*
46700	3372	791	33.12	828	39.82	869	47.39	908	55.26	946	63.43	984	71.58	1020	79.92	1054	88.37	1088	96.91	1123	105.79	1157	114.93	1189	123.97	*	*	*	*
47800	3451	808	35.22	844	42.01	883	49.55	923	57.83	959	66.04	997	74.40	1032	82.71	1066	91.35	1099	100.20	1134	109.28	1167	118.31	1199	127.54	1230	136.93	*	*
48900	3531	825	37.40	860	44.28	898	51.96	937	60.29	973	68.73	1010	77.30	1045	85.82	1079	94.67	1111	103.54	1144	112.55	1178	122.08	1210	131.50	1241	141.08	*	*
50000	3610	842	39.68	876	46.63	913	54.44	951	62.82	987	71.48	1023	80.27	1058	89.00	1091	97.79	1123	106.85	1155	116.18	1188	125.60	1220	135.21	1251	144.97	1281	154.85
51100	3690	858	41.90	893	49.24	928	56.99	966	65.62	1001	74.30	1036	83.32	1071	92.26	1104	101.26	1135	110.24	1166	119.72	1198	129.19	1230	138.98	1261	148.92	1291	158.98
52200	3769	875	44.35	909	51.77	943																							