

# 25 150

## PERFORMANCE TABLES

Series 25 3 hp

Other horsepowers available through 7.5 hp

Wheel Diameter: 15"  
 Outlet Area: 1.290 sq. Ft.  
 Maximum RPM: 2920  
 Tip Speed in FPM: 3.93 x RPM

CFM	Outlet Velocity	1/4" SP		1/2" SP		3/4" SP		1" SP		1 1/4" SP		1 1/2" SP		1 3/4" SP		2" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
1048	800	696	0.07	843	0.12												
1179	900	742	0.08	888	0.14	997	0.19										
1310	1000	798	0.10	935	0.17	1041	0.22	1136	0.29								
1440	1100	856	0.13	973	0.19	1087	0.26	1178	0.32	1264	0.39						
1572	1200	915	0.15	1009	0.22	1134	0.29	1223	0.36	1304	0.44	1383	0.51				
1702	1300	976	0.18	1064	0.25	1174	0.33	1269	0.41	1348	0.49	1421	0.57	1496	0.65		
1834	1400	1038	0.22	1121	0.29	1210	0.37	1316	0.46	1394	0.54	1466	0.63	1534	0.71	1602	0.80
1964	1500	1101	0.26	1178	0.33	1252	0.41	1355	0.51	1441	0.60	1512	0.69	1578	0.78	1641	0.87
2096	1600	1164	0.30	1236	0.33	1308	0.46	1391	0.56	1488	0.67	1558	0.76	1624	0.85	1686	0.95
2226	1700	1228	0.35	1295	0.44	1364	0.52	1428	0.61	1524	0.73	1605	0.84	1670	0.93	1731	1.03
2358	1800			1357	0.49	1422	0.59	1483	0.68	1560	0.79	1647	0.91	1717	1.02	1777	1.13
2488	1900			1419	0.56	1479	0.66	1540	0.75	1596	0.85	1683	0.98	1763	1.11	1824	1.22
2620	2000			1481	0.63	1538	0.73	1596	0.83	1652	0.94	1719	1.06	1799	1.19	1871	1.33
2881	2200			1607	0.80	1659	0.90	1712	1.02	1764	1.13	1814	1.24	1871	1.37	1945	1.52
3144	2400			1734	0.99	1783	1.11	1829	1.23	1879	1.35	1927	1.47	1973	1.60	2018	1.73
3405	2600					1909	1.34	1952	1.47	1996	1.60	2042	1.73	2086	1.87	2128	2.00
3668	2800					2035	1.61	2077	1.75	2117	1.88	2158	2.03	2201	2.17	2242	2.31
3929	3000					2163	1.91	2202	2.06	2441	2.21	2278	2.36	2317	2.51	2356	2.66
4192	3200							2329	2.41	2365	2.57	2401	2.73	2436	2.89	2473	3.05
4453	3400							2456	2.81	2491	2.97	2525	3.14	2558	3.31	2591	3.48

CFM = Cubic Feet/Minute SP = Static Pressure RPM = Revolutions / Minute BHP = Brake Horsepower

CFM	Outlet Velocity	2 1/2" SP		3" SP		3 1/2" SP		4" SP		4 1/2" SP		5" SP		5 1/2" SP		6" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
1048	800																
1179	900																
1310	1000																
1440	1100																
1572	1200																
1702	1300																
1834	1400																
1964	1500	1769	1.06														
2096	1600	1803	1.15														
2226	1700	1845	1.24	1957	1.45												
2358	1800	1890	1.34	1993	1.56	2102	1.79										
2488	1900	1935	1.45	2038	1.67	2136	1.91	2239	2.16								
2620	2000	1981	1.56	2083	1.80	2178	2.04	2273	2.29								
2881	2200	2075	1.81	2174	2.06	2268	2.32	2356	2.59	2439	2.86	2462	2.81	2550	3.08		
3144	2400	2153	2.05	2268	2.36	2359	2.64	2446	2.92	2528	3.21	2607	3.50	2616	3.43	2700	3.72
														2684	3.80	2767	4.11
3405	2600	2226	2.30	2348	2.65	2453	2.98	2538	3.29	2619	2.59	2697	3.90	2771	4.21	2843	4.53
3668	2800	2320	2.61	2420	2.95	2533	3.33	2632	2.69	2712	4.01	2788	4.34	2862	4.67		
3929	3000	2432	2.97	2504	3.29	2606	3.67	2711	4.08	2806	4.47	2881	4.82				
4192	3200	2546	3.38	2615	3.71	2682	4.05	2783	4.47	2882	4.90						
4453	3400	2661	3.83	2729	4.18	2793	4.53	2856	4.89								

Performances shown are for installation type D (Ducted inlet, Ducted outlet). Power rating (BHP) does not include drive losses. Performance ratings do not include the effects of appurtenances in the airstream.