

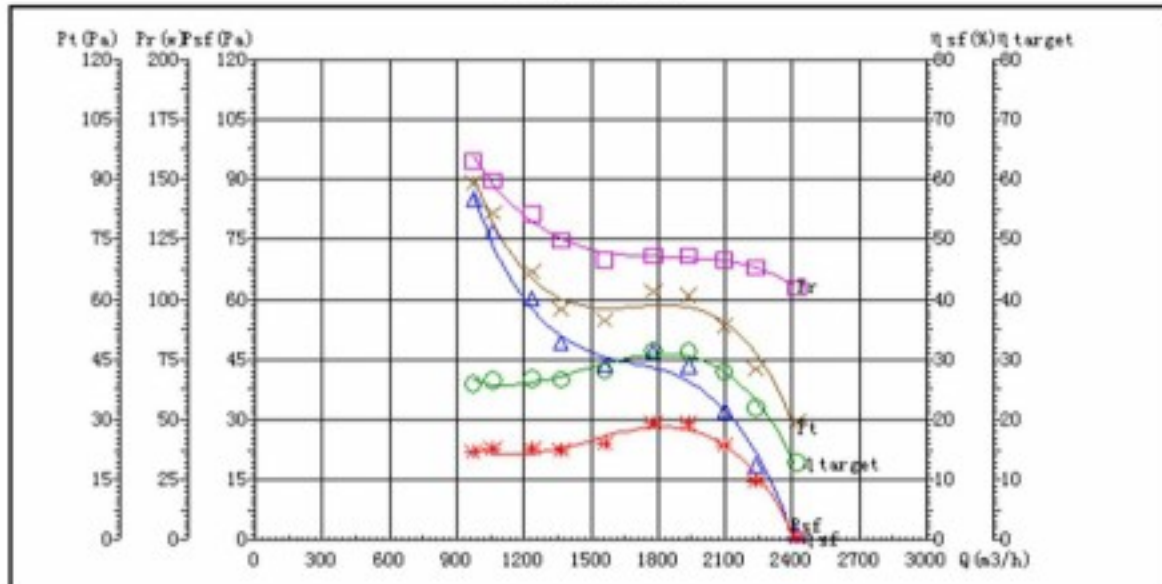


Fan Air-dynamic Performance Test Report

Test No	20150123-350D-P4-3	Product No	01	Flow Test Method	Motor Model	220V-50Hz-ID	
Flow(m ³ /h)	3150.0	Total Pressure(Pa)	1.00	Rotate Speed(rpm)	1380	Electric Current(A)	0.700
Power:	1~220V/50Hz	Outlet Area(m ²)	0.097	Impeller Dia. (m)	0.3500	Standard	ISO5801-2000

Items	Unit	1	2	3	4	5	6	7	8	9	10
$p=101325.00\text{Pa}$ $\theta=20.0^{\circ}\text{C}$ $\rho=1.2000\text{kg/m}^3$ $D_c=0.350\text{m}$											
Air Flow	m ³ /h	977.4	1062.8	1237.9	1368.3	1564.3	1779.5	1936.2	2099.7	2238.7	2418.5
Total Pressure	Pa	88.93	81.50	66.77	57.34	54.62	61.81	60.81	53.07	42.36	29.53
Static Pressure	Pa	84.22	75.92	59.21	48.10	42.55	46.19	42.32	31.31	17.64	0.68
Electric Current	A	0.729	0.690	0.629	0.583	0.549	0.557	0.557	0.550	0.537	0.505
Input Power	W	157.4	149.2	135.4	124.4	116.1	118.0	118.1	116.1	113.0	104.4
Output Power	W	78.7	74.6	67.7	62.2	58.1	59.0	59.1	58.1	56.5	52.2
Rotate Speed	rpm	1304	1323	1355	1374	1391	1387	1387	1392	1399	1407
Total Pt. Eff.	%	15.34	16.13	16.96	17.52	20.44	25.88	27.69	26.66	23.32	18.99
Dynamic Pressure	Pa	4.71	5.57	7.56	9.23	12.06	15.62	18.49	21.75	24.71	28.85
Fan Noise	dB(A)	/	/	/	/	/	/	/	/	/	/
Energy Efficiency		25.8	26.5	26.7	26.6	28.0	31.4	31.3	27.9	21.9	12.8

Performance Curve



X: Q(m³/h)

Y: Δ Ps(f) (Pa)

\times η af (%)

\square Pr (w)

\circ η target

\times Pt (Pa)