

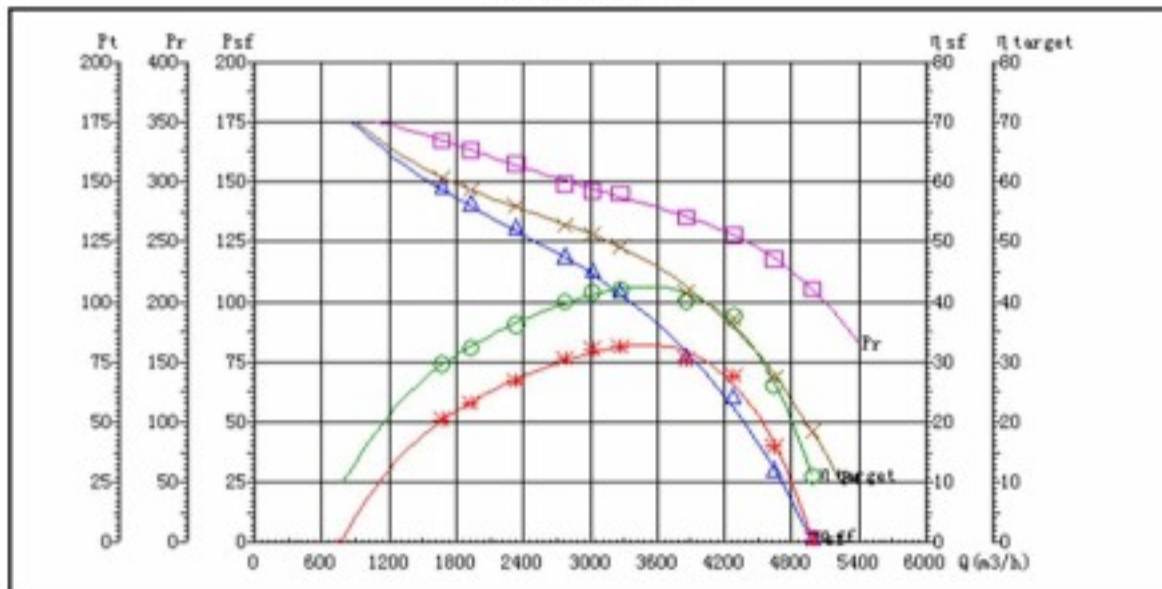


## Fan Air-dynamic Performance Test Report

Test No	20141206-4505-01	Product No	01	Flow Test Method	Motor Model	380V-50HZ-Y5
Flow(m <sup>3</sup> /h)	5590.0	Total Pressure(Pa)	1.00	Rotate Speed(rpm)	1380	Electric Current(A) 0.600
Noise(dB(A))	1.00	Outlet Area(m <sup>2</sup> )	0.16	Impeller Dia. (m)	0.4500	Standard ISO5801-2000

Items	Unit	1	2	3	4	5	6	7	8	9	10
p=101325.00Pa    θ=20.0°C    ρ=1.2000kg/m <sup>3</sup> Dc=0.450m											
Air Flow	m <sup>3</sup> /h	1676.1	1936.5	2335.4	2773.5	3018.9	3275.9	3860.6	4280.4	4639.1	4986.8
Total Pressure	Pa	151.19	146.45	139.63	131.51	127.97	122.62	103.38	92.63	69.13	45.99
Static Pressure	Pa	146.09	139.63	129.72	117.53	111.40	103.07	76.24	59.27	28.96	0.75
Electric Current	A	0.636	0.629	0.618	0.596	0.592	0.591	0.572	0.559	0.536	0.517
Input Power	W	333.7	326.1	314.9	297.7	292.0	289.9	270.2	255.1	235.1	210.2
Output Power	W	206.9	202.2	195.3	184.6	181.1	179.7	167.5	159.2	145.8	130.3
Rotate Speed	rpm	1288	1295	1306	1318	1325	1328	1346	1356	1369	1387
Total Pt. Eff.	%	21.10	24.16	28.76	34.03	36.75	38.49	41.03	43.17	37.34	30.31
Total Eff.	%	13.08	14.98	17.83	21.10	22.78	23.87	25.44	26.76	23.15	18.79
Fan Noise	dB(A)	/	/	/	/	/	/	/	/	/	/
Energy Efficiency		29.6	32.3	36.1	39.9	41.6	42.0	40.1	37.6	26.0	11.0

Performance Curve



X: Q(m<sup>3</sup>/h)

Y1: Δ Psf (Pa)

\* ηsf (%)

□ Pr (Pa)

○ ηtarget

× Pt (Pa)