

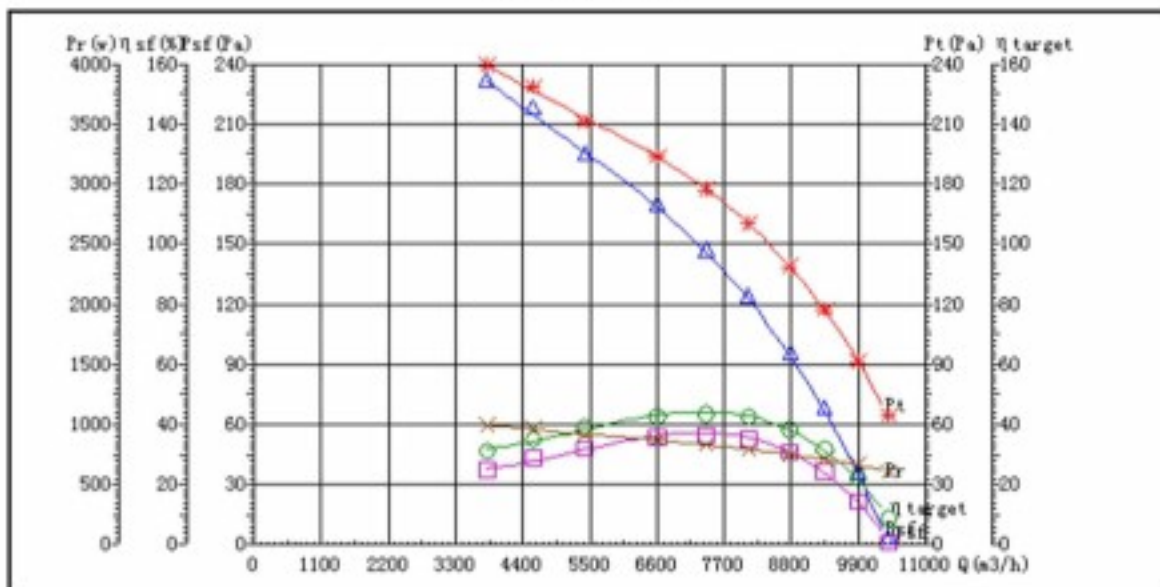


Fan Air-dynamic Performance Test Report

Test No	2016. 7. 1-600	Product No	01	Flow Test Method	Motor Model	380V/50Hz-Y5
Flow(m ³ /h)	12000.0	Total Pressure(Pa)	1.00	Rotate Speed(rpm)	1350	Electric Current(A) 1.520
Power:	3~380V/50Hz	Outlet Area(m ²)	0.283	Impeller Dia. (m)	0.6000	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 ³ Dc=0.600m											
Air Flow	m ³ /h	3821.2	4580.9	5427.8	6614.9	7405.4	8100.4	8780.6	9350.9	9903.8	10402.8
Total Pressure	Pa	239.01	228.42	210.61	193.56	176.98	160.05	138.34	116.89	90.71	63.93
Static Pressure	Pa	230.62	216.37	193.68	168.41	145.47	122.31	94.02	66.56	34.27	1.62
Electric Current	A	1.769	1.727	1.666	1.611	1.562	1.512	1.468	1.425	1.370	1.308
Input Power	W	992.8	961.7	914.7	865.9	825.2	782.9	744.1	709.5	660.3	602.2
Output Power	W	496.4	480.8	457.4	433.0	412.6	391.5	372.1	354.8	330.1	301.1
Rotate Speed	rpm	1327	1335	1345	1356	1365	1374	1381	1389	1398	1407
Total Pt. Eff.	%	25.53	30.22	34.72	41.07	44.12	46.00	45.34	42.79	37.79	30.68
Dynamic Pressure	Pa	8.39	12.05	16.93	25.14	31.51	37.73	44.31	50.32	56.43	62.30
Fan Noise	dB(A)	/	/	/	/	/	/	/	/	/	/
Energy Efficiency		31.1	35.2	38.6	42.6	43.2	42.3	38.1	31.7	21.9	8.6

Performance Curve



X: Q(m³/h)

Y: △Psf(Pa)

*Pt(Pa)

□ηt(%)

○ηtarget

×Pr(w)