

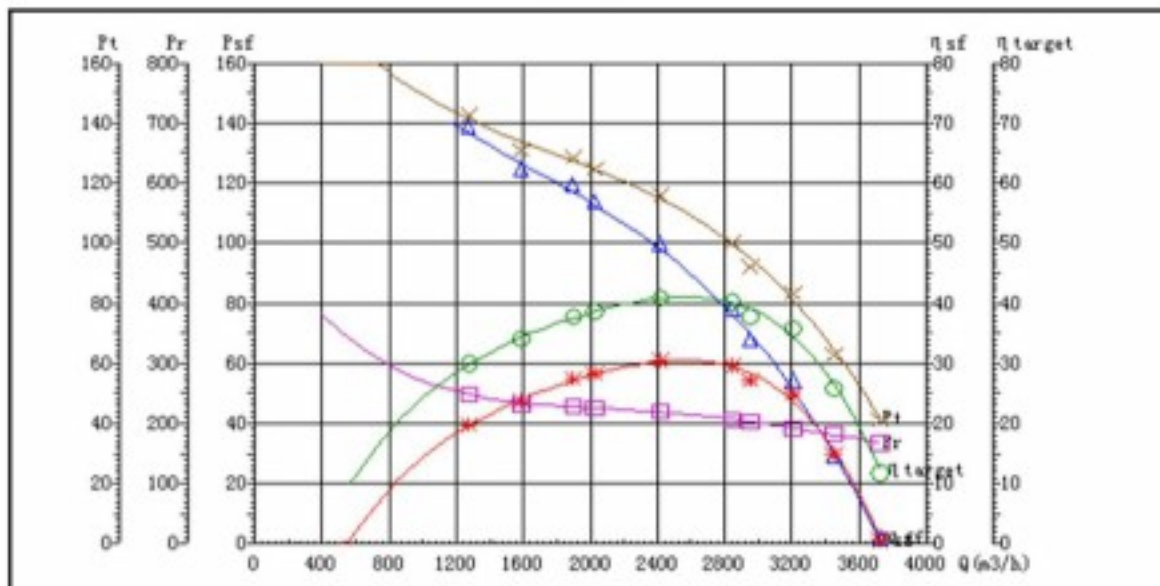


## Fan Air-dynamic Performance Test Report

Test No	20141127-400D-03	Product No	03	Flow Test Method	Motor Model	220V-50HZ-YD	
Flow(m <sup>3</sup> /h)	4235.0	Total Pressure(Pa)	1.00	Rotate Speed(rpm)	1400	Electric Current(A)	0.910
Noise(dB(A))	1.00	Outlet Area(m <sup>2</sup> )	0.126	Impeller Dia. (m)	0.4000	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=0.400m											
Air Flow	m <sup>3</sup> /h	1277.6	1590.0	1896.9	2024.9	2417.0	2846.7	2952.6	3206.8	3455.2	3727.5
Total Pressure	Pa	142.30	130.73	128.53	124.44	115.74	100.13	91.69	82.89	62.65	41.17
Static Pressure	Pa	137.56	123.39	118.09	112.54	98.79	76.64	66.42	53.07	28.01	0.85
Electric Current	A	1.127	1.049	1.037	1.024	0.995	0.937	0.919	0.873	0.838	0.772
Input Power	W	247.9	230.8	228.2	225.0	218.6	205.5	201.3	190.9	182.5	166.7
Output Power	W	153.7	143.1	141.5	139.5	135.5	127.4	124.8	118.3	113.2	103.4
Rotate Speed	rpm	1309	1333	1339	1343	1352	1368	1374	1386	1397	1413
Total Pt. Eff.	%	20.37	25.01	29.67	31.11	35.54	38.53	37.35	38.69	32.94	25.57
Total Eff.	%	12.63	15.51	18.40	19.29	22.04	23.89	23.16	23.99	20.42	15.85
Fan Noise	dB(A)	/	/	/	/	/	/	/	/	/	/
Energy Efficiency		29.8	33.9	37.6	38.5	40.8	40.1	37.8	35.6	25.7	11.8

Performance Curve



X: Q(m<sup>3</sup>/h)  
 Y: Δ Psf (Pa)    \* ηsf (%)    □ Pr (w)    ○ ηtarget    × Pt (Pa)