

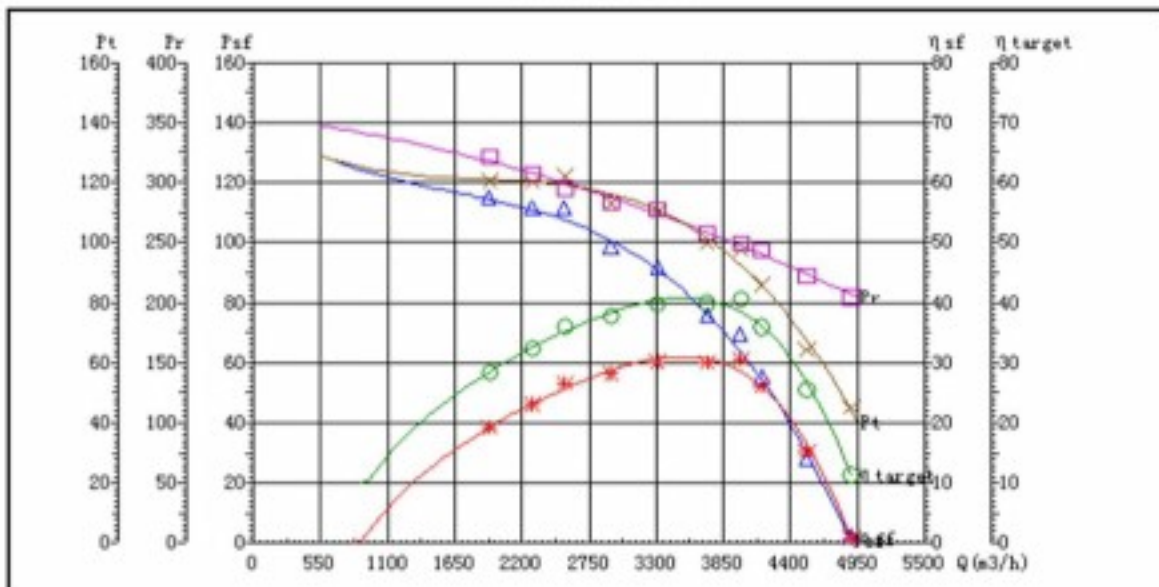


## Fan Air-dynamic Performance Test Report

Test No	20141217-4500-P4-5	Product No	01	Flow Test Method	Motor Model	220V-50HZ-YD	
Flow(m <sup>3</sup> /h)	5580.0	Total Pressure(Pa)	1.00	Rotate Speed(rpm)	1390	Electric Current(A)	1.080
Noise(dB(A))	68.00	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	1940.8	2293.2	2553.9	2935.0	3315.3	3719.4	3993.5	4165.1	4534.1	4899.9
Total Pressure	Pa	120.37	119.91	121.98	112.87	110.23	99.51	97.27	85.68	83.93	44.84
Static Pressure	Pa	113.53	110.36	110.14	97.22	90.28	74.41	68.31	54.16	26.64	1.09
Electric Current	A	1.459	1.393	1.339	1.284	1.259	1.168	1.129	1.102	1.007	0.927
Input Power	W	320.8	306.6	294.9	282.8	277.2	257.2	248.7	242.7	221.7	203.8
Output Power	W	198.9	190.1	182.8	175.3	171.9	159.4	154.2	150.5	137.5	126.4
Rotate Speed	rpm	1199	1236	1263	1284	1293	1324	1339	1347	1374	1394
Total Pt. Eff.	%	20.23	24.91	29.35	32.54	36.62	39.95	43.38	40.84	36.32	29.94
Total Eff.	%	12.54	15.44	18.20	20.17	22.70	24.79	26.90	25.32	22.52	18.56
Fan Noise	dB(A)	/	/	/	/	/	/	/	/	/	/
Energy Efficiency		28.4	32.3	36.0	37.6	39.7	39.8	40.5	35.9	25.4	11.3

Performance Curve



X: Q(m<sup>3</sup>/h)  
 Y:  $\Delta$  Pst (Pa)    \*  $\eta$  sf (%)     $\square$  Pr (x)     $\circ$   $\eta$  target     $\times$  Pt (Pa)