

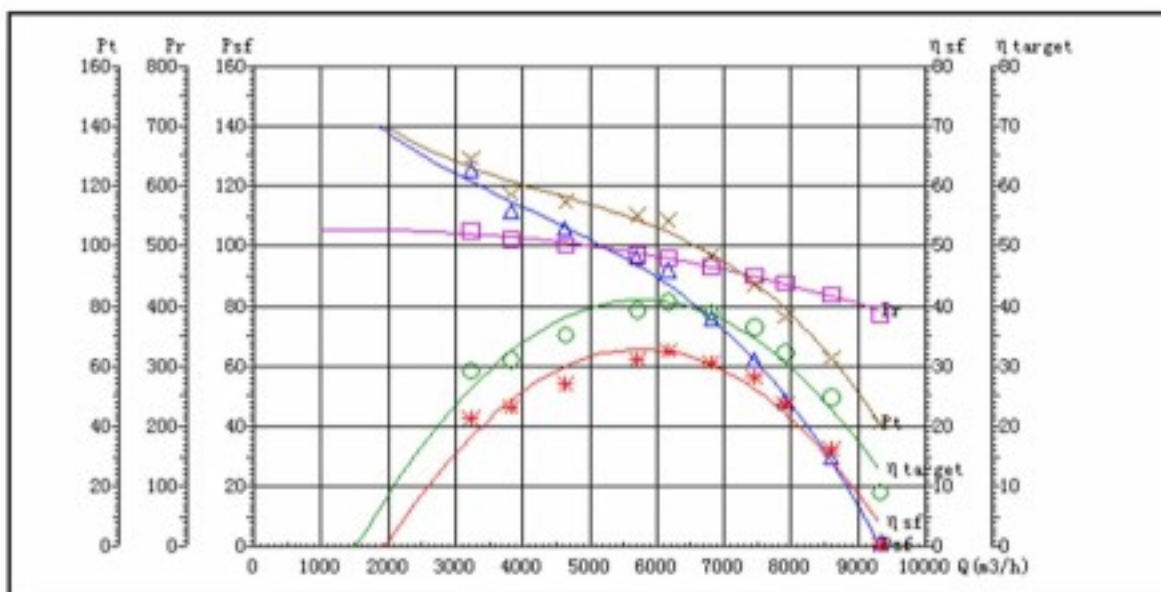


## Fan Air-dynamic Performance Test Report

Test No	20141218-630D-P6-01	Product No	01	Flow Test Method	Motor Model	220V-50HZ-YD	
Flow(m <sup>3</sup> /h)	12000.0	Total Pressure(Pa)	1.00	Rotate Speed(rpm)	930	Electric Current(A)	2.500
Noise(dB(A))	72.00	Outlet Area(m <sup>2</sup> )	0.316	Impeller Dia. (m)	0.6300	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=0.630m											
Air Flow	m <sup>3</sup> /h	3231.5	3838.8	4640.2	5714.8	6176.4	6820.0	7458.3	7918.2	8602.5	9332.5
Total Pressure	Pa	128.86	117.06	114.57	110.09	108.29	96.35	86.67	76.17	62.65	40.81
Static Pressure	Pa	124.01	110.23	104.58	94.95	90.57	74.78	60.84	47.10	28.30	0.39
Electric Current	A	2.414	2.355	2.308	2.239	2.215	2.154	2.093	2.044	1.962	1.827
Input Power	W	524.3	511.0	500.3	484.7	478.8	464.8	449.8	438.0	418.2	385.9
Output Power	W	325.1	316.8	310.2	300.5	296.9	288.2	278.9	271.6	259.3	239.2
Rotate Speed	rpm	903	909	913	918	919	924	928	933	938	946
Total Pt. Eff.	%	22.06	24.43	29.52	36.05	38.80	39.27	39.92	38.24	35.80	27.42
Total Eff.	%	13.68	15.15	18.30	22.35	24.06	24.35	24.75	23.71	22.19	17.00
Fan Noise	dB(A)	/	/	/	/	/	/	/	/	/	/
Energy Efficiency		29.2	31.0	35.0	39.3	40.7	38.8	36.4	32.1	24.8	9.1

Performance Curve



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

Y: Δ Psf (Pa)

\* ηsf (%)

□ Pr (Pa)

○ η target

× Pt (Pa)