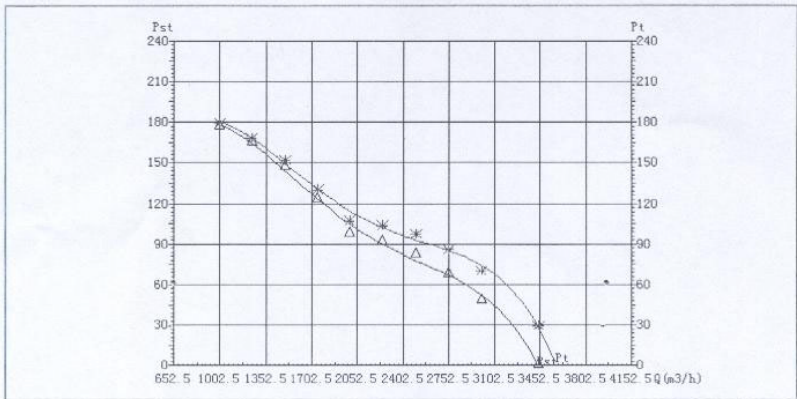


The ventilator aerodynamic performance test results

Fan Model : 4E1-400S-5L-E				Motor Model : Single-phase			
Air Flow (m ³ /h) : 4000.0		Pressure (Pa) : 90.00		Speed (rpm) : 1380		Current (A) : 1.500	
Noise (dB(A)) : 75.00		Output Area (m ²) : 0.138544236		Impeller Dia (m) : 0.4000			
Test Unit : Type A		Air Flow Test :		Test Standard : GB/T 1236-2000			

Physical Qty	Unit	1	2	3	4	5	6	7	8	9	10
p=101325.00Pa θ=20.0°C ρ=1.2000kg/m ³ Dc=0.400m											
Air Flow	m ³ /h	1002.8	1249.9	1502.1	1751.2	1996.0	2249.0	2504.2	2753.3	3002.6	3438.5
Full Pressure	Pa	179.24	168.08	151.94	129.92	108.97	103.75	97.46	85.88	69.93	28.96
Static Pressure	Pa	176.79	164.29	146.47	122.48	97.29	91.44	82.20	67.43	48.00	0.17
Current	A	1.372	1.303	1.223	1.127	1.079	1.070	1.050	1.022	0.993	0.933
Input Power	W	308.6	295.2	276.4	253.8	243.5	241.4	236.9	229.1	223.3	208.7
Shaft Power	W	185.2	177.1	165.8	152.3	146.1	144.9	142.1	137.4	134.0	125.2
Speed	rpm	1273	1302	1325	1350	1367	1367	1371	1378	1385	1400
Full Pressure Efficiency	%	27.03	32.97	38.20	41.49	40.64	44.86	47.81	47.87	43.58	22.14
Total Efficiency	%	16.22	19.78	22.92	24.89	24.39	26.91	28.69	28.72	26.15	13.28
Fan Noise	dB(A)	/	/	/	/	/	/	/	/	/	/

Performance Curve



X: Q (m³/h)
 Y: Δ Pst (Pa) * Pt (Pa)