

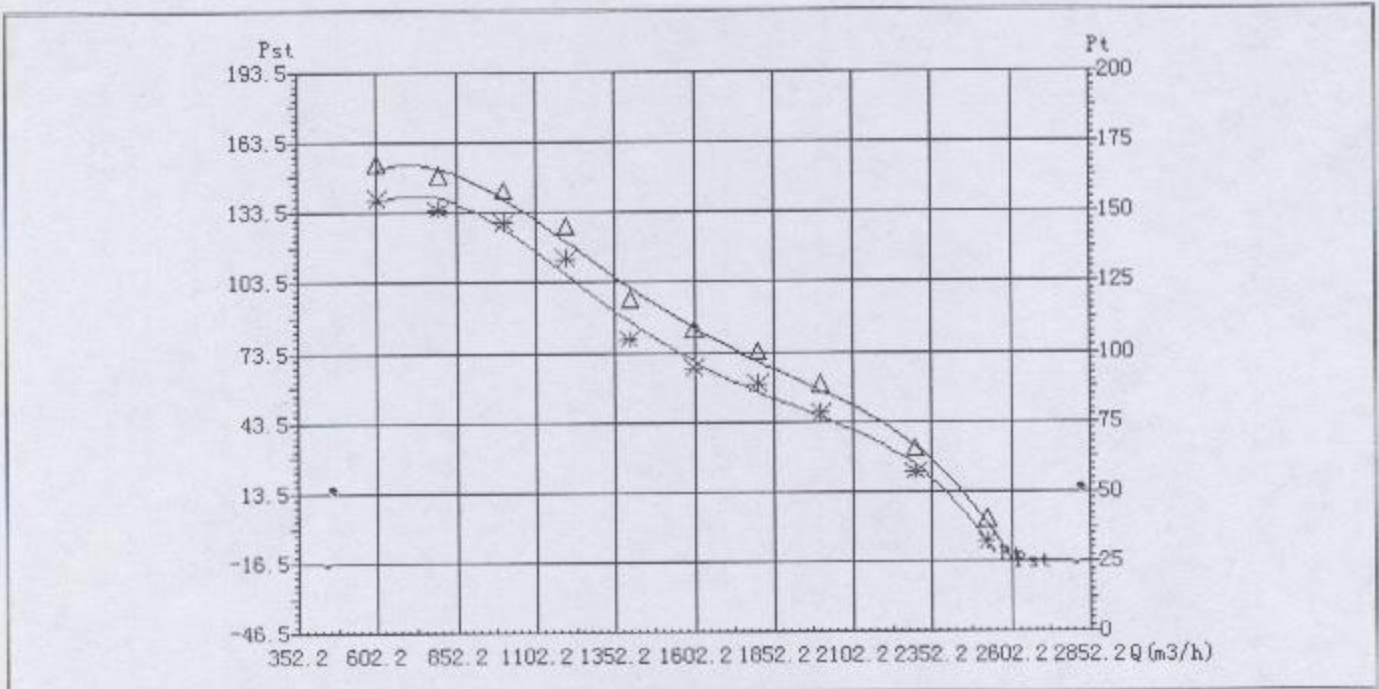
The ventilator aerodynamic performance test results

Fan Model: DY4E-350MS-5L				Motor Model: Single-phase			
Air Flow (m ³ /h): 2500.0		Pressure (Pa): 65.00		Speed (rpm): 1350		Current (A): 0.800	
Noise (dB(A)): 65.00		Output Area (m ²): 09.6211275016187		Impeller Dia (m): 0.3500			
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
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$p=101325.00\text{Pa}$ $\theta=20.0\text{°C}$ $\rho=1.2000\text{kg/m}^3$ $D_e=0.350\text{m}$											
Air Flow	m ³ /h	602.4	798.9	1003.9	1201.1	1401.4	1603.6	1802.2	2003.2	2299.6	2526.8
Full Pressure	Pa	154.38	150.50	146.04	133.01	104.62	94.14	88.39	77.83	57.00	31.96
Static Pressure	Pa	152.57	147.32	140.99	125.79	94.78	81.26	72.12	57.75	30.54	-0.01
Current	A	1.206	1.144	1.075	1.014	0.869	0.812	0.798	0.776	0.753	0.722
Input Power	W	266.8	252.4	237.7	224.1	192.9	179.2	175.6	170.1	163.6	156.1
Shaft Power	W	160.1	151.5	142.6	134.4	115.7	107.5	105.3	102.0	98.2	93.7
Speed	rpm	1171	1216	1257	1287	1349	1370	1374	1382	1389	1400
Full Pressure Efficiency	%	16.15	22.10	28.64	33.11	35.32	39.15	42.13	42.54	37.15	24.00
Total Efficiency	%	9.69	13.26	17.19	19.87	21.19	23.49	25.28	25.52	22.29	14.40
Fan Noise	dB(A)	/	/	/	/	/	/	/	/	/	/

Performance Curve



X: Q (m³/h)
 Y: Δ Pst (Pa) * Pt (Pa)