

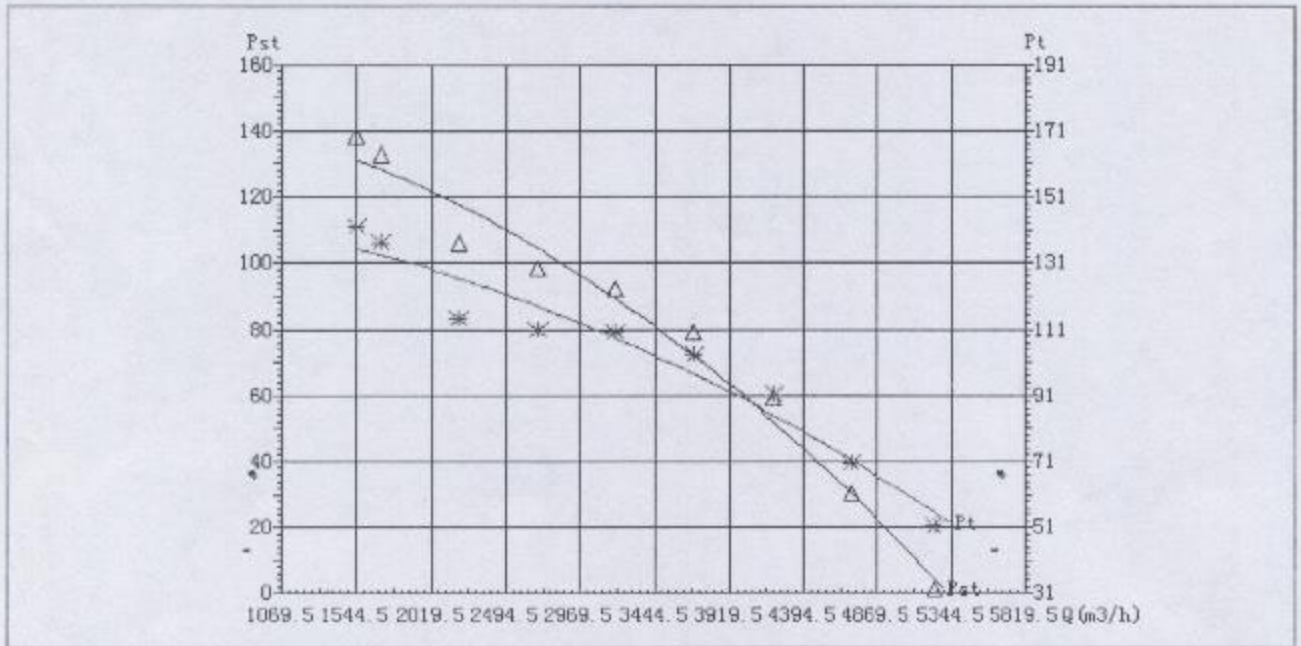
The ventilator aerodynamic performance test results

Fan Model : 4E-450M				Motor Model : Single-phase			
Air Flow (m ³ /h):	5000.0	Pressure (Pa):	120.00	Speed (rpm):	1350	Current (A):	1.500
Noise (dB(A)):	65	Outlet Area (m ²):	0.159	Impeller Dia (m):	0.4500		
Test Device	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=101325.00Pa		θ=20.0℃		ρ=1.2000kg/m ³		Dc=0.450m			
Air Flow	m ³ /h	1544.7	1698.6	2198.3	2703.6	3198.0	3700.5	4204.7	4704.9	5237.0	
Full Pressure	Pa	141.68	136.89	113.81	110.72	109.99	103.29	90.94	70.30	51.21	
Static Pressure	Pa	137.25	131.54	104.86	97.09	90.93	77.76	57.96	29.05	0.13	
Dynamic Pressure	Pa	4.42	5.35	8.96	13.62	19.06	25.53	32.98	41.24	51.06	
Shaft Power	W	214.5	211.6	197.7	198.8	200.1	204.8	208.9	204.3	196.3	
Speed	rpm	1281	1286	1316	1327	1322	1315	1306	1319	1336	
Full Pressure Efficiency	%	28.64	30.81	35.47	42.43	49.53	52.59	51.61	45.59	38.44	
Dynamic Pressure Efficiency	%	27.74	29.61	32.68	37.21	40.95	39.60	32.90	18.84	0.10	
Comprehensive Noise	dB(A)	/	/	/	/	/	/	/	/	/	
Fan Noise	dB(A)	/	/	/	/	/	/	/	/	/	

Performance Curve



X: Q (m³/h)

Y: Δ Pst (Pa) * Pt (Pa)