

E323/ E35-6 (9-7)

Single Inlet Centrifugal Fan

1000 CFM

220V 1N~ 50 Hz

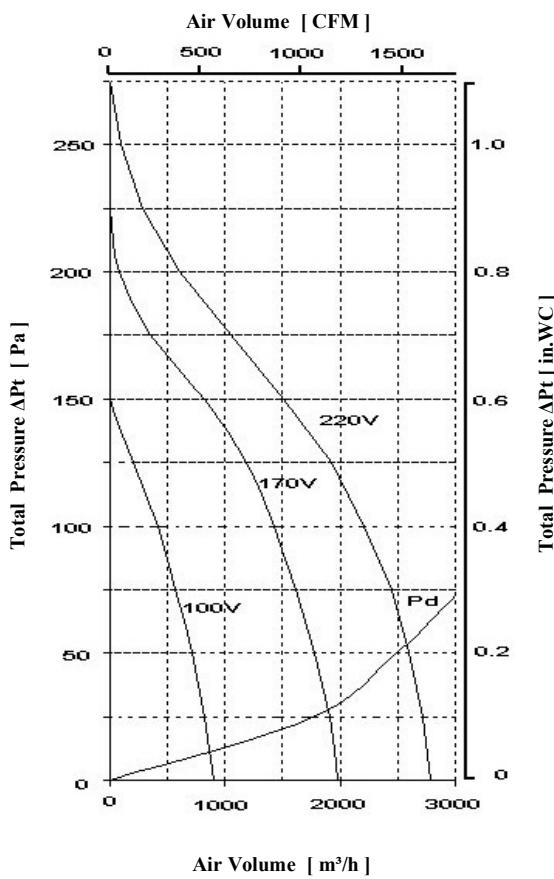


Diagram is based on standard air $\rho=1.2 \text{ kg/m}^3$. **P_d** is system curve for dynamical pressure part related to Fan Outlet Area (Curve for free blowing fan). Total Pressure (the sum of the dynamic and static pressures) is shown in relation to the Air Volume, Dynamic pressure is shown below system line P_d and Static Pressure is shown above that line.

- Voltage Range 100 ~ 220 [V]
- Frequency 50 [Hz]
- Current max @ free air 2.6 [A]
- Power max @ free air 420 [W]
- Fan speed @ free air 800 [rpm]
- Insulation Class H
- Protection Class IP65
- Power Factor ($\cos \varphi$) 0.90
- Capacitor 20 [μF] 400 [V]
- Net Weight 16.5 [kg]
- Starting Torque 1.5 [nm]
- Starting Current max 4 [A]
- Air Temperature max 60 [°C]

Voltage [V]	Air Volume [m ³ /h] @ $\rho=1.2 \text{ kg/m}^3$					
	Free Air	Total Pressure ΔP_t [Pa]				
		50	100	150	200	225
100	895	715	420			
170	1890	1780	1425	825	85	
220	2560		2200	1510	605	280
						90

Wheel Diameter = 230 mm = 9 in

28 Blades , 25 mm = 1 " Chord Width

Tip Speed = rpm * 0.012 [m/s]

= rpm * 2.37[FPM]

Outlet Area = 0.076 [m²] = 0.82 [SQ.FT.]

Voltage [V]	Sound Pressure Level in dB(A)		
	100	170	220
Inlet	46	57	61
Outlet	47	58	62

Measured in distance of 3m , @ free air

