

E325 / E35-6

(9-8)

Single Inlet Centrifugal Fan 1200 CFM 220V 1N~ 50 Hz

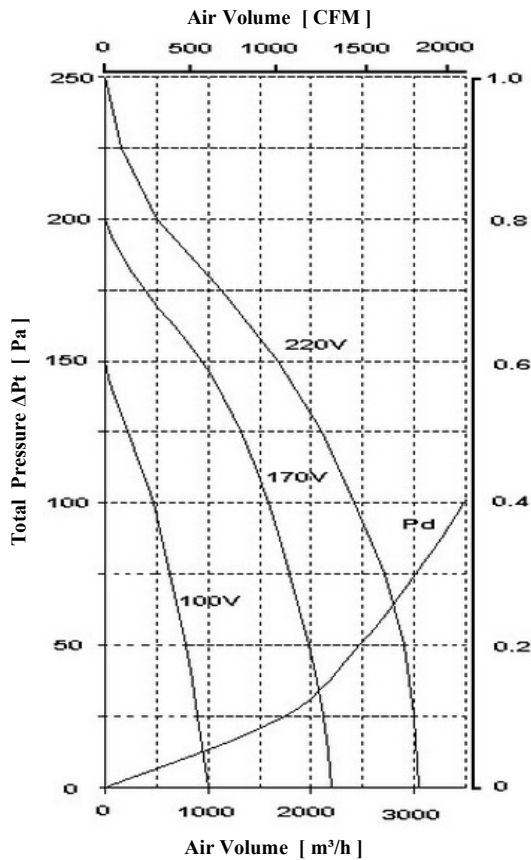


Diagram is based on standard air $\rho=1.2 \text{ kg/m}^3$.
 P_d is system curve for dynamical pressure part related to Fan Outlet Area (Curve for free blowing fan).
Total Pressure (the sum of the dynamic and static pressures) is shown in relation to the *Air Volume*, Dynamic pressure is shown below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

- Voltage Range 100 ~ 220 [V]
- Frequency 50 [Hz]
- Current *max @ free air* 2.4 [A]
- Power *max @ free air* 470 [W]
- Fan speed *@ free air* 800 [rpm]
- Insulation Class H
- Protection Class IP65
- Power Factor ($\cos \phi$) 0.90
- Capacitor 20 [μF] 400 [V]
- Net Weight 17.5 [kg]
- Starting Torque 1.5 [nm]
- Starting Current *max* 4 [A]
- Air Temperature *max* 60 [$^{\circ}C$]

Voltage [V]	Air Volume [m³/h] @ ρ=1.2 kg/m³						
	Free Air	Total Pressure ΔPt [Pa]					
		50	100	150	175	200	225
100	1040	790	465				
170	2090	1970	1580	945	390		
220	2880		2410	1685	1135	500	150

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 = 0.089 [m^2] = 0.96 [SQ.FT.]

Voltage [V]	Sound Pressure Level in dB(A)		
	100	170	220
Inlet	46	57	62
Outlet	48	58	63

Measured in distance of 3m , @ *free air*

