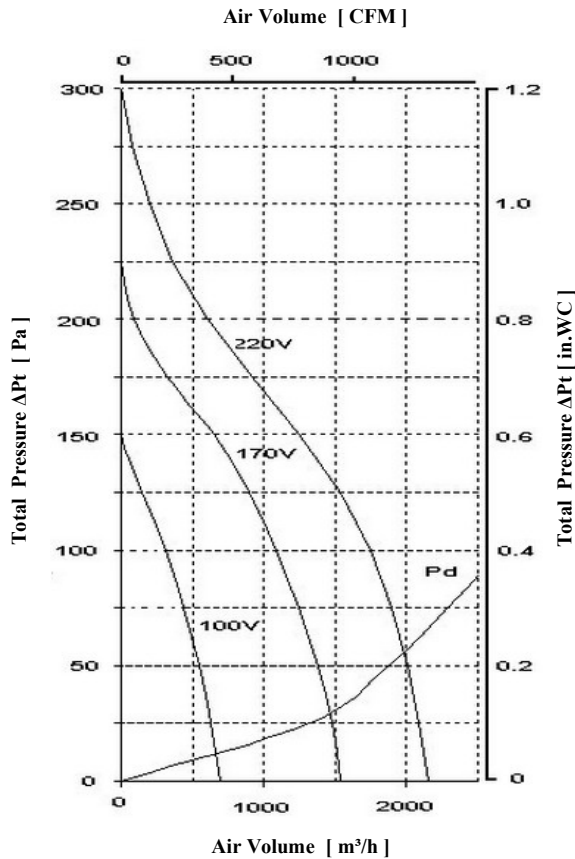


E323 / E35-4 (9-7)

Single Inlet Centrifugal Fan 1150 CFM 220V 1N~ 50 Hz



- Voltage Range 100 ~ 220 [V]
- Frequency 50 [Hz]
- Current *max @ free air* 2.3 [A]
- Power *max @ free air* 550 [W]
- Fan speed *@ free air* **1200 [rpm]**
- **Insulation Class H**
- Protection Class IP65
- Power Factor (cos ϕ) 0.90
- Capacitor 20 [μ F] 400 [V]
- Net Weight 15.5 [kg]
- Starting Torque 1.5 [nm]
- Starting Current *max* 4 [A]
- Air Temperature *max* 60 [°C]

Voltage [V]	Air Volume [m³/h] @ $\rho=1.2 \text{ kg/m}^3$						
	Free Air	Total Pressure ΔP_t [Pa]					
		50	100	150	200	250	275
100	685	550	310				
170	1465	1375	1090	650	85		
220	1980		1745	1240	600	200	75

Wheel Diameter = 230 mm = 9 in
 35 Blades , 20 mm = 4/5 " Chord Width
 Tip Speed = rpm * 0.012 [m/s]
 = rpm * 2.37 [FPM]
 Outlet Area = 0.057 [m²] = 0.61 [SQ.FT.]

Diagram is based on standard air $\rho=1.2 \text{ kg/m}^3$.
Pd 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 Pd and Static Pressure is shown above that line.

Voltage [V]	Sound Pressure Level in dB(A)		
	100	170	220
Inlet	45	56	61
Outlet	46	58	62

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

