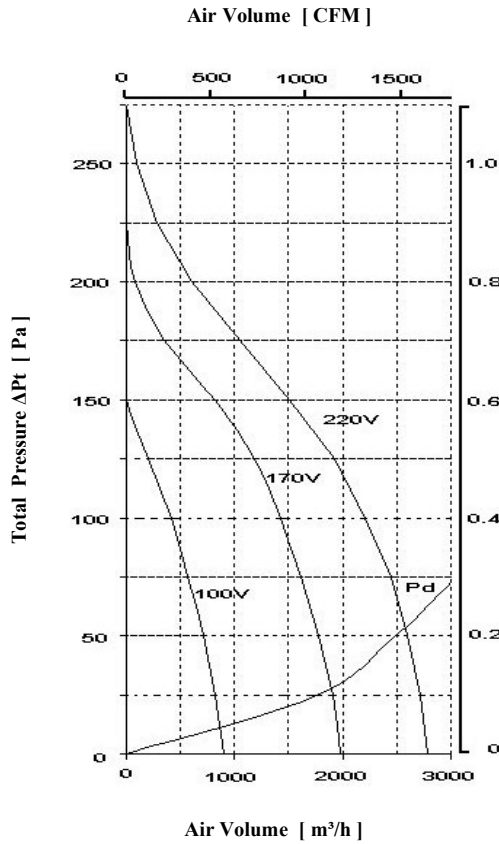


E321 / E35-6 (9-5)

Single Inlet Centrifugal Fan 750 CFM 220V 1N~ 50 Hz



- Voltage Range 100 ~ 220 [V]
- Frequency 50 [Hz]
- Current *max @ free air* 2.7 [A]
- Power *max @ free air* 400 [W]
- Fan speed *@ free air* 820 [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	50	100	150	200	250	300
100	1025	970	850	625	340		
170	2025		1965	1780	1550	1155	590
220	2795			2670	2400	1968	1360

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	46	60	64
Outlet	48	61	66

