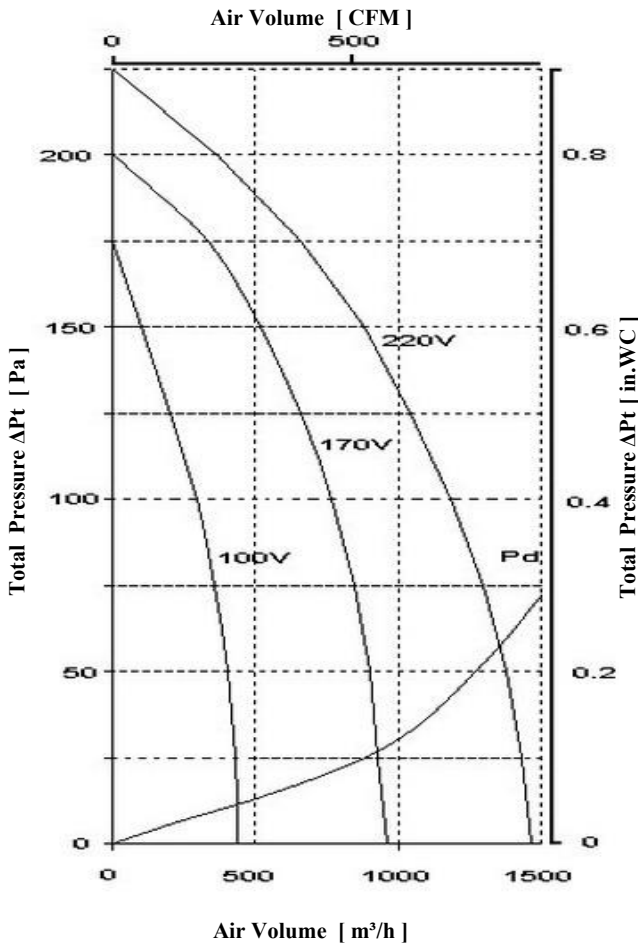


E223/ E25-6 (9-7)

Single Inlet Centrifugal Fan 850 CFM 220V 1N~ 50 Hz



- Voltage Range 100 ~ 220 [V]
- Frequency 50 [Hz]
- Current *max @ free air* 1.8 [A]
- Power *max @ free air* 350 [W]
- Fan speed *@ free air* 850 [rpm]
- Insulation Class H
- Protection Class IP65
- Power Factor (cos φ) 0.90
- Capacitor 10 [μF] 400 [V]
- Net Weight 13.5 [kg]
- Starting Torque 1.5 [nm]
- Starting Current *max* 4 [A]
- Air Temperature *max* 60 [°C]

Voltage [V]	Air Volume [m³/h] @ ρ=1.2 kg/m³						
	Free Air	50	100	125	150	175	200
100	425	405	295	200	100		
170	905	900	770	660	520	335	
220	1365		1185	1040	880	660	365

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 = 0.038 [m²] = 0.40 [SQ.FT.]

Voltage [V]	Sound Pressure Level in dB(A)		
	100	170	220
Inlet	41	57	61
Outlet	42	58	62

Measured in distance of 3m , @ free air

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.

