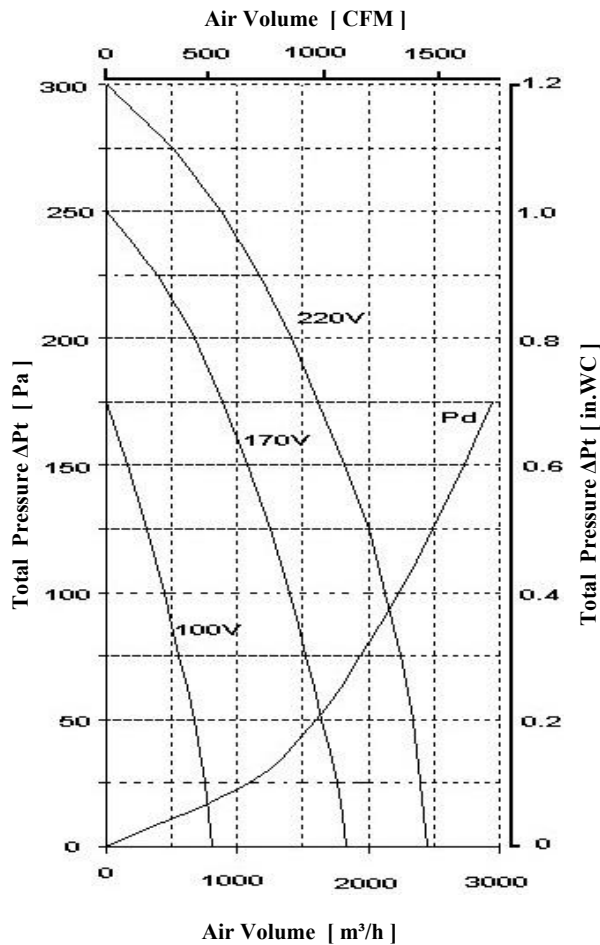


E225 / E25-4 (9-8)

Single Inlet Centrifugal Fan 1300 CFM 220V 1N~ 50 Hz



- 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* 1100 [rpm]
- Insulation Class H
- Protection Class IP65
- Power Factor ($\cos \phi$) 0.90
- Capacitor 10 [μF] 400 [V]
- Net Weight 14.5 [kg]
- Starting Torque 1.5 [nm]
- Starting Current *max* 4 [A]
- Air Temperature *max* 60 [$^{\circ}C$]

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	250	275
100	780	675	445	155			
170	1625	1640	1395	1075	675		
220	2170		2130	1820	1410	875	505

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 = 0.042 [m^2] = 0.45 [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	44	62	66
Outlet	45	63	68

Measured in distance of 3m , @ free air

