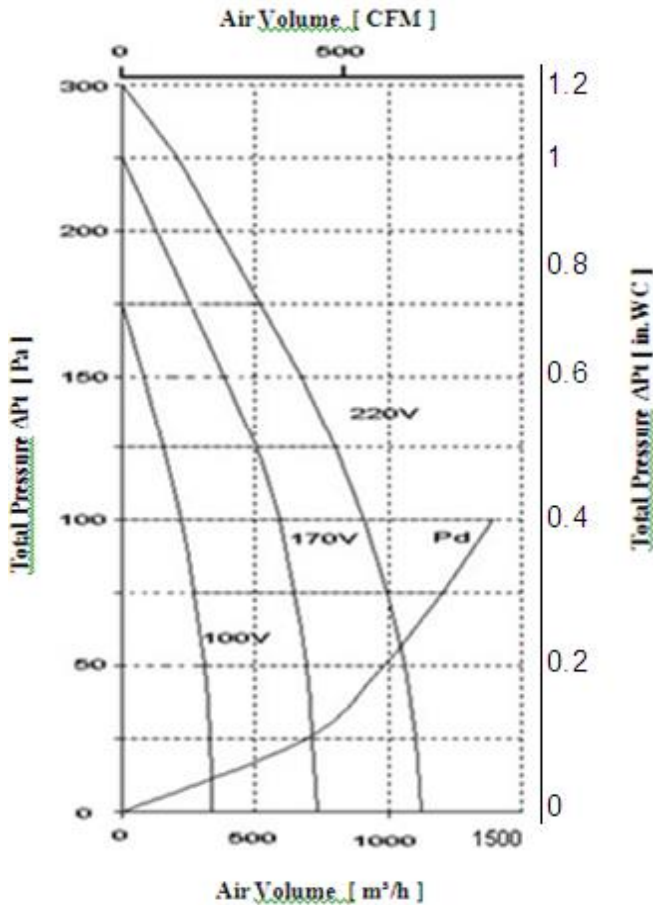


E221/ E25-6 (9-5)

Single Inlet Centrifugal Fan 700 CFM 220V 1N~ 50 Hz



- Voltage Range 100 ~ 220 [V]
- Frequency 50 [Hz]
- Current *max @ free air* 1.5 [A]
- Power *max @ free air* 300 [W]
- Fan speed *@ free air* 920 [rpm]
- Insulation Class H
- Protection Class IP65
- Power Factor (cos ϕ) 0.90
- Capacitor 10 [μ F] 400 [V]
- Net Weight 12.5 [kg]
- Starting Torque 1.5 [nm]
- Starting Current *max* 4 [A]
- Air Temperature *max* 60 [°C]

| Voltage [V] | Air Volume [m³/h] @ $\rho=1.2$ kg/m³ | | | | | | |
|-------------|--------------------------------------|-----|-----|-----|-----|-----|-----|
| | Free Air | 50 | 100 | 150 | 175 | 200 | 225 |
| 100 | 325 | 310 | 225 | 80 | | | |
| 170 | 695 | 690 | 592 | 385 | 255 | 125 | |
| 220 | 1050 | | 910 | 670 | 520 | 365 | 210 |

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 = 0.03 [m²] = 0.32 [SQ.FT.]

| Voltage [V] | Sound Pressure Level in dB(A) | | |
|-------------|-------------------------------|-----|-----|
| | 100 | 170 | 220 |
| Inlet | 40 | 57 | 61 |
| Outlet | 41 | 57 | 62 |

Measured in distance of 3m , @ free air

Diagram is based on standard air $\rho=1.2$ kg/m³. **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.

