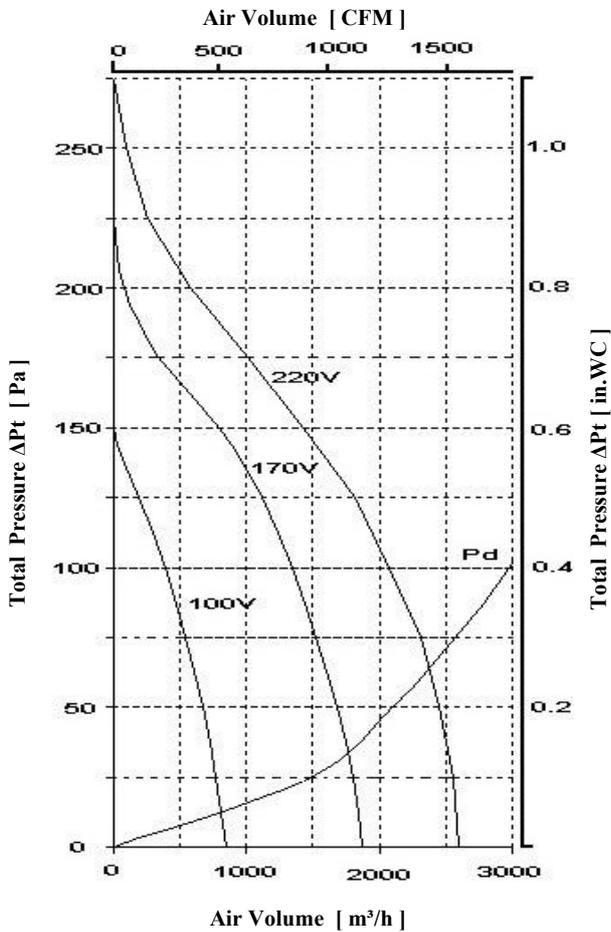


D224/ E25-6 (9-13)

Double Inlet Cntrifugal Fan

1500 CFM 220V 1N~ 50 Hz



- Voltage Range 100 ~ 220 [V]
- Frequency 50 [Hz]
- Current *max @ free air* 2 [A]
- Power *max @ free air* 400 [W]
- Fan speed *@ free air* 750 [rpm]
- Insulation Class H
- Protection Class IP65
- Power Factor (cos ϕ) 0.90
- Capacitor 10 [μF] 400 [V]
- Net Weight 16 [kg]
- Starting Torque 1.5 [nm]
- Starting Current *max* 4 [A]
- Air Temperature *max* 60 [°C]

| Voltage [V] | Air Volume [m^3/h] @ $\rho=1.2 \text{ kg/m}^3$ | | | | | | |
|-------------|--|------|------|------|-----|-----|-----|
| | Free Air | 50 | 100 | 150 | 200 | 225 | 250 |
| 100 | 840 | 670 | 395 | | | | |
| 170 | 1775 | 1675 | 1345 | 800 | 80 | | |
| 220 | 2410 | | 2075 | 1430 | 580 | 250 | 90 |

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 = 0.064 [m^2] = 0.69 [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 | 57 | 60 |
| Outlet | 47 | 57 | 62 |

