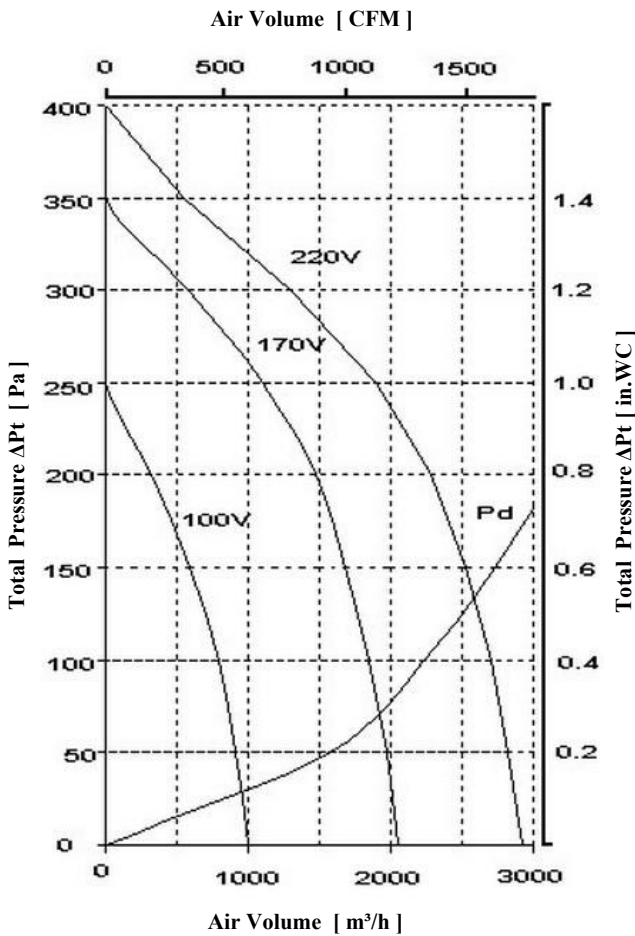


# D222 / E25-4 (9-9)

# Double Inlet Centrifugal Fan

**1300 CFM 220V 1N~ 50 Hz**



- Voltage Range 100 ~ 220 [V]
- Frequency 50 [Hz]
- Current *max @ free air* 2.5 [A]
- Power *max @ free air* 500 [W]
- Fan speed *@ free air* 1100 [rpm]
- Insulation Class H
- Protection Class IP65
- Power Factor (cos φ) 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 [°C]

Voltage [V]	Air Volume [m³/h] @ ρ=1.2 kg/m³						
	Free Air	50	100	150	200	250	300
100	920	910	800	590	320		
170	1910		1850	1675	1475	1100	580
220	2640			2520	2285	1900	1290

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.

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 = 0.048 [m²] = 0.52 [SQ.FT.]

Voltage [V]	Sound Pressure Level in dB(A)		
	100	170	220
<b>Inlet</b>	46	59	64
<b>Outlet</b>	48	60	65

Measured in distance of 3m , @ free air

