

D324/ E35-6 (9-13)

Double Inlet Centrifugal Fan 1600 CFM 220V 1N~ 50 Hz

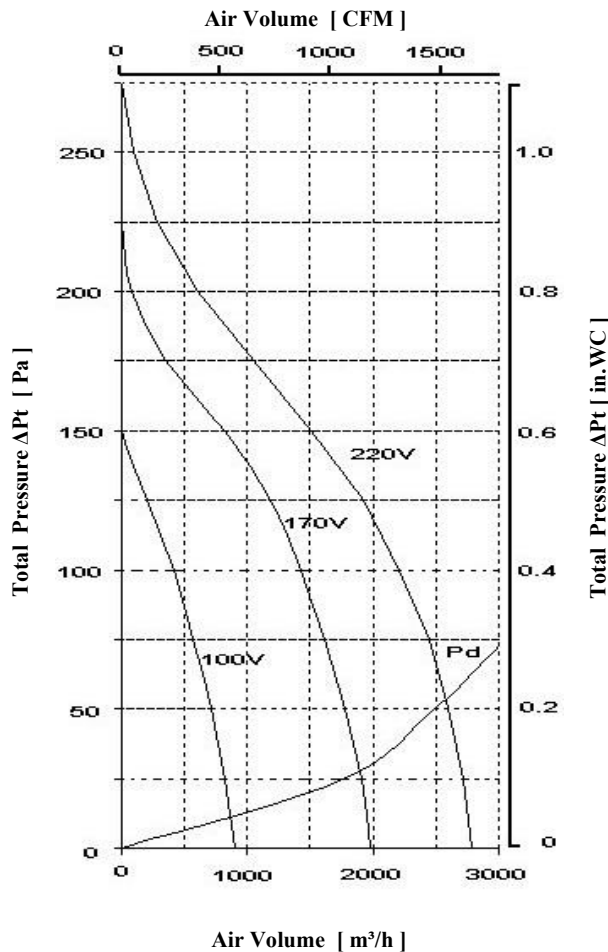
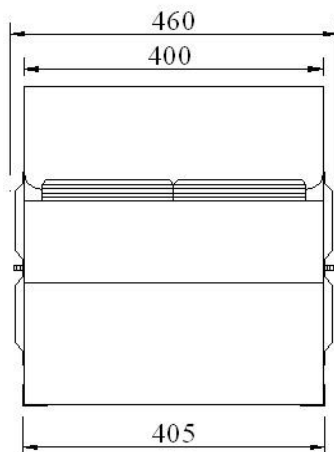


Diagram is based on standard air $\rho=1.2 \text{ kg/m}^3$. **Pd** is system curve for dynamical pressure part related to Fan Outlet Area (Curve for free blowing fan). **Total Pressure** (the sum of the dynamic and static pressures) is shown in relation to the **Air Volume**. Dynamic pressure is shown below system line Pd and Static Pressure is shown above that line.



- Voltage Range 100 ~ 220 [V]
- Frequency 50 [Hz]
- Current *max @ free air* 2.1 [A]
- Power *max @ free air* 420 [W]
- Fan speed *@ free air* 750 [rpm]
- Insulation Class H
- Protection Class IP65
- Power Factor ($\cos \phi$) 0.90
- Capacitor 20 [μF] 400 [V]
- Net Weight 16.5 [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	225	250
100	895	715	420				
170	1890	1780	1425	825	85		
220	2560		2200	1510	605	280	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 = 0.076 [m^2] = 0.82 [SQ.FT.]

Voltage [V]	Sound Pressure Level in dB(A)		
	100	170	220
Inlet	46	57	61
Outlet	47	58	62

Measured in distance of 3m , @ free air

