

E115 / E10-4 / (7-15)

Air Volume (CFM)
 500 570 1000

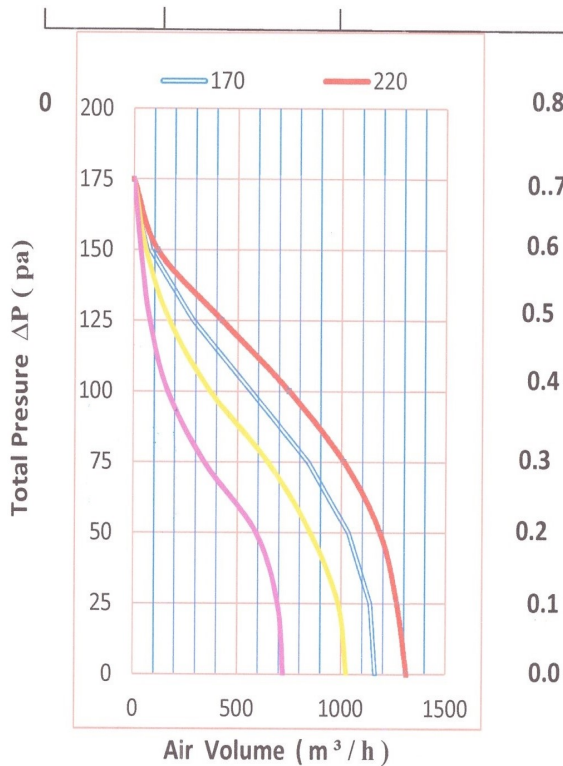


Diagram is based on standard air $\rho=1.2 \text{ kg/m}^3$.
Pd is system curve for dynamical pressure part related to Fan Outlet Area (Curve for free blowing fan). *Total Pressure* (the sum of the dynamic and static pressures) is shown in relation to the *Air Volume*, Dynamic pressure is shown below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

Single Inlet Centrifugal Fan

780 CFM 220V 1N~ 50 Hz

- Voltage Range 100 ~ 220 [V]
- Frequency 50 [Hz]
- Current *max @ free air* 1.1 [A]
- Power *max @ free air* 193 [W]
- Fan speed *@ free air* 1285[rpm]
- Insulation Class H
- Protection Class IP65
- Power Factor ($\cos \phi$) 0.76
- Capacitor 6 [μF] 400 [V]
- Net Weight 9 [Kg]
- Starting Torque 1.5 [nm]
- Starting Current *max* 2 [A]
- Air Temperature *max* 60 [°C]

Voltage [V]	Air Volume [m ³ /h] @ $\rho=1.2 \text{ kg/m}^3$						
	Free Air	Total Pressure ΔP_t [Pa]					
		25	50	75	100	125	150
120	720	690	590	345	75	5	0
150	1025	985	850	645	370	105	0
170	1160	1140	1035	840	565	265	450
220	1310	1265	1185	1010	745	425	115

wheel Diameter = 180 mm = 7 in
 24 Blades , 25 mm = (4/5)" Chord Width
 Tip Speed = rpm * 0.012 [m/s]
 = rpm * 2.37 [FPM]
 Outlet Area = 0.030 [m²] = 0.32 [SQ.FT.]

Measured in distance of 3m , @ free air

Voltage [V]	Sound Pressure Level in dB(A)		
	100	170	220
Inlet			
Outlet			

