

## E113 / E10-4 / (7-13)

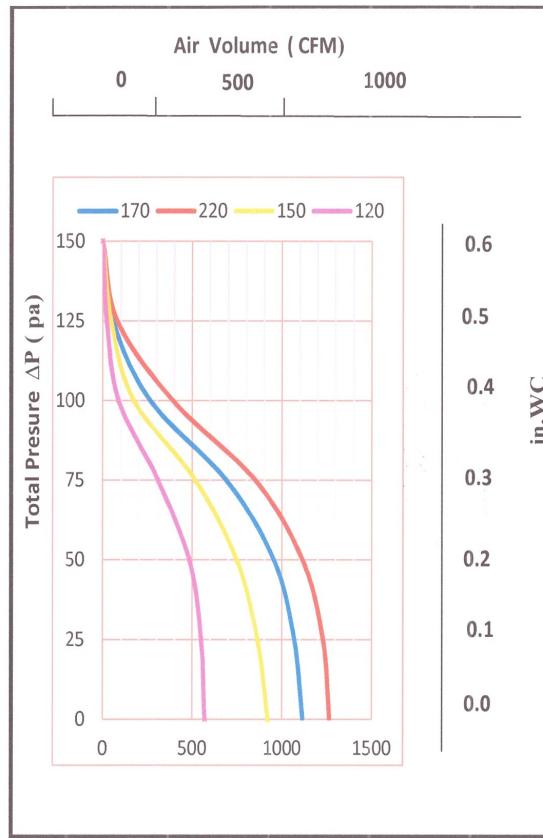


Diagram is based on standard air  $\rho=1.2 \text{ kg/m}^3$ .  
**Pd** is system curve for dynamical pressure part related to Fan Outlet Area (Curve for free blowing fan). **Total Pressure** (the sum of the dynamic and static pressures) is shown in relation to the **Air Volume**, Dynamic pressure is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

### Single Inlet Centrifugal Fan

**760 CFM      220V    1N~    50 Hz**

- Voltage Range                          100 ~ 220 [V]
- Frequency                                50 [Hz]
- Current max @ free air                1.0 [A]
- Power max @ free air                193 [W]
- Fan speed @ free air                1266 [rpm]
- Insulation Class                        H
- Protection Class                        IP65
- Power Factor ( $\cos \phi$ )                0.76
- Capacitor                                6 [ $\mu\text{F}$ ] 400 [V]
- Net Weight                                9 [Kg]
- Starting Torque                        1.5 [nm]
- Starting Current max                2 [A]
- Air Temperature max                60 [ $^{\circ}\text{C}$ ]

Voltage [V]	Free Air	Air Volume [m³/h] @ $\rho=1.2 \text{ kg/m}^3$					
		25	50	75	100	125	150
120	570	550	460	300	45	0	0
150	1025	990	850	575	172	25	0
170	1150	1100	985	700	265	12	0
220	1265	1230	1115	850	390	40	0

wheel Diameter = 180 mm = 7 in  
24 Blades , 20 mm = (4/5)" Chord Width  
Tip Speed = rpm \* 0.012 [m/s]  
= rpm \* 2.37 [FPM]  
Outlet Area = 0.027[m²] = 0.30 [SQ.FT.]

Measured in distance of 3m , @ free air

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

