

D444 / E65-6

Double Inlet Centrifugal Fan 3000 CFM , 220V 1N ~ 50Hz

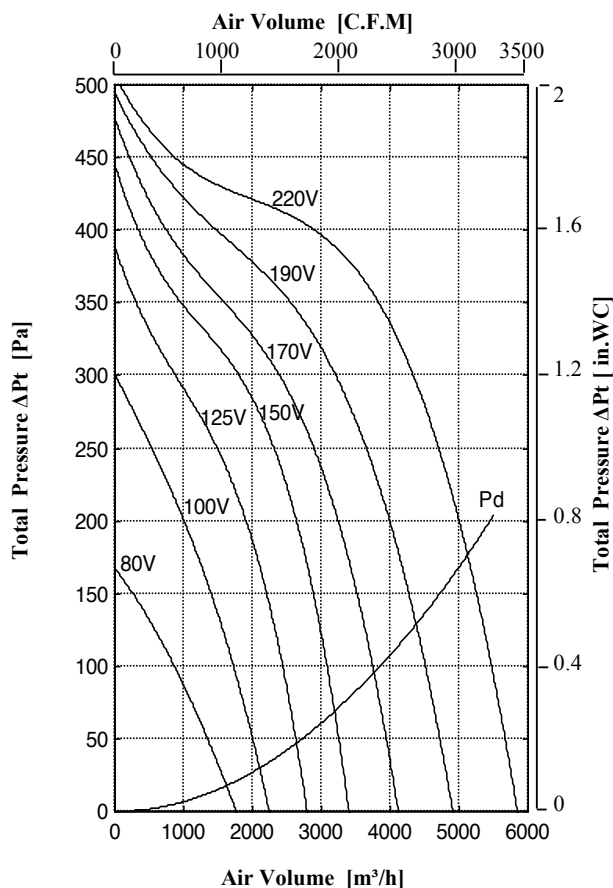


Diagram is based on standard air $\rho=1.2 \text{ kg/m}^3$. **Pd** is system curve for dynamical pressure part related to Fan Outlet Area (Curve for free blowing fan). **Total Pressure** (the sum of the dynamic and static pressures) is shown in relation to the **Air Volume**, Dynamic pressure is shown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

- Voltage Range 100 – 220 [V]
- Frequency 50 [Hz]
- Current *max @ free air* 4.5 [A]
- Power *max @ free air* 950 [W]
- Speed *@ free air* 700 [rpm]
- Insulation Class H
- Protection Class IP65
- Power Factor ($\cos \phi$) 0.95
- Capacitor 30 [μF] 400 [V]
- Net Weight 28 [kg]
- Starting Torque 4 [nm]
- Starting Current *max* 7 [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]				
		100	200	300	400	500
80	1610	870				
100	2080	1710	1000			
125	2620	2440	1900	880		
150	3180	3070	2620	1810	340	
170	3750	3730	3210	2400	720	
190	4360		3980	3200	1510	
220	5100		4980	4330	2930	80

Wheel Diameter = 333 mm = 13 1/8"
 40Blades , 25 mm = 7/8" Chord Width
 Tip Speed = rpm * 0.017 [m/s]
 = rpm * 3.45 [FPM]
 Outlet Area = 0.083 [m^2] = 0.89 [SQ.FT.]

Voltage [V]	Sound Pressure Level dB(A)						
	80	100	125	150	170	190	220
Inlet	48	53	58	62	65	68	71
Outlet	49	55	60	63	67	70	72

Measured in distance of 3m , @ free air

