D442 / E65-6

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

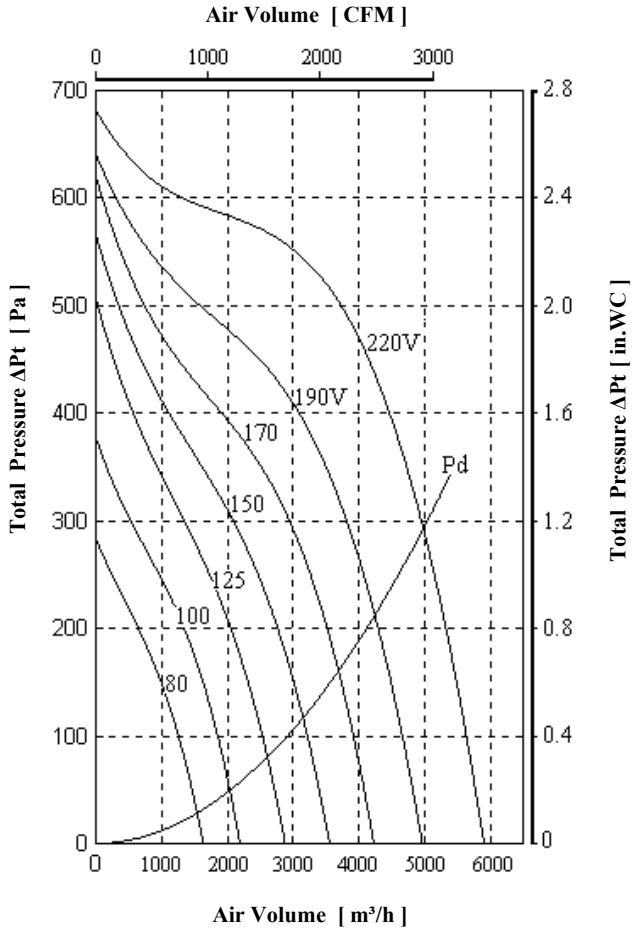

Diagram is based on standard air ρ=1.2 kg/m³. ***Pd*** is system curve for dynamical pressure part related to Fan Outlet Area (Curve for free blowing fan). *Total Pressure* (the sum of the dynamic and static pressures) is shown in relation to the *Air Volume*, Dynamic pressure is shown below system line Pd and Static Pressure is shown above that line

- Voltage Range 100 ~ 220 [V]
- Frequency 50 [Hz]
- Current *max* *@ free air* 3.5 [A]
- Power *max* *@ free air* 750 [W]
- Speed *@ free air* 850 [rpm]
- Insulation Class H
- Protection Class IP65
- Power Factor (cos φ) 0.95
- Capacitor 25 [μF] 400 [V]
- Net Weight 22 [kg]
- Starting Torque 3.5 [nm]
- Starting Current *max* 7 [A]
- Air Temperature *max* 60 [ºC]

Voltage [V]	Air Volume [m³/h] @ ρ=1.2 kg/m³					
	Free Air	Total Pressure ΔPt [Pa]				
		100	*250*	*400*	*500*	*600*
80	1525	1260	230			
100	2040	1845	925			
125	2610	2530	1720	560	25	
150	3135		2450	1095	340	
170	3710		3260	1905	730	90
190	4250		4065	3080	1585	310
220	4980			4475	3710	1320

Wheel Diameter = 333 mm = 13 1/8 "
50 Blades , 20 mm = 4/5 " Chord Width
Tip Speed = rpm * 0.017 [m/s]
= rpm * 3.45 [FPM]
Outlet Area = 0.063[m²] = 0.67[SQ.FT.]

Voltage [V]	Sound Pressure Level dB(A)						
	80	*100*	*125*	*150*	*170*	*190*	*220*
Inlet	51	55	60	64	66	69	71
Outlet	52	57	61	65	67	70	73

Measured in distance of 3m , *@ free air*