15 – 8 E / E65-6

Single Inlet , 3000 CFM
220V 1N~ 50 Hz

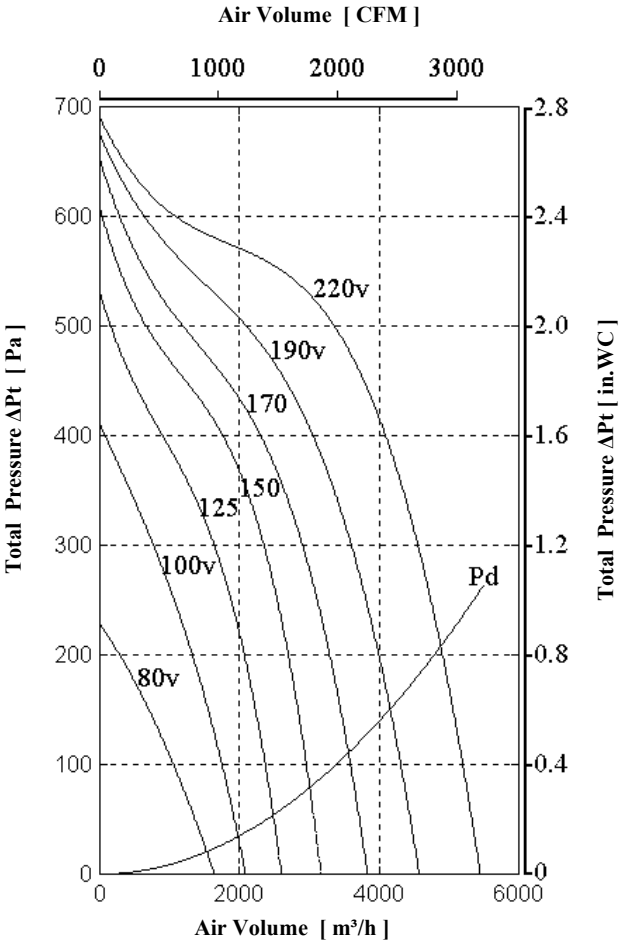

Diagram is based on standard air ρ=1.2 kg/m³. ***Pd*** is system curve for dynamical pressure part related to Fan Outlet Area (Curve for free blowing fan). *Total Pressure* (the sum of the dynamic and static pressures) is shown in relation to the *Air Volume*, Dynamic pressure is shown below system line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

- Voltage Range 100 ~ 220 [V]
- Frequency 50 [Hz]
- Current *max* *@ free air* 4.5 [A]
- Power *max* *@ free air* 950 [W]
- Speed *@ free air* 700 [rpm]
- Insulation Class H
- Protection Class IP65
- Power Factor (cos φ) 0.95
- Capacitor 30 [µF] 400 [V]
- Net Weight 29.5 [kg]
- Starting Torque 4 [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	1530	1050				
100	1980	1740	1060	90		
125	2490	2360	1880	910	150	
150	3000	2960	2550	1770	670	40
170	3560		3110	2300	1180	280
190	4160		3820	3050	2090	650
220	4880		4720	4100	3360	1080

Wheel Diameter = 380 mm = 15 "
51 Blades , 35 mm = 1 3/8 " Chord Width
Tip Speed = rpm * 0.019 [m/s]
= rpm * 3.95 [FPM]
Outlet Area = 0.070 [m²] = 0.75 [SQ.FT.]

Voltage [V]	Sound Pressure Level dB(A)						
	80	*100*	*125*	*150*	*170*	*190*	*220*
Inlet	46	50	54	59	62	66	68
Outlet	45	51	56	60	64	67	70

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