RD 645 / E65-6

Roof Down Discharged, 2500 CFM
220V 1N~ 50 Hz

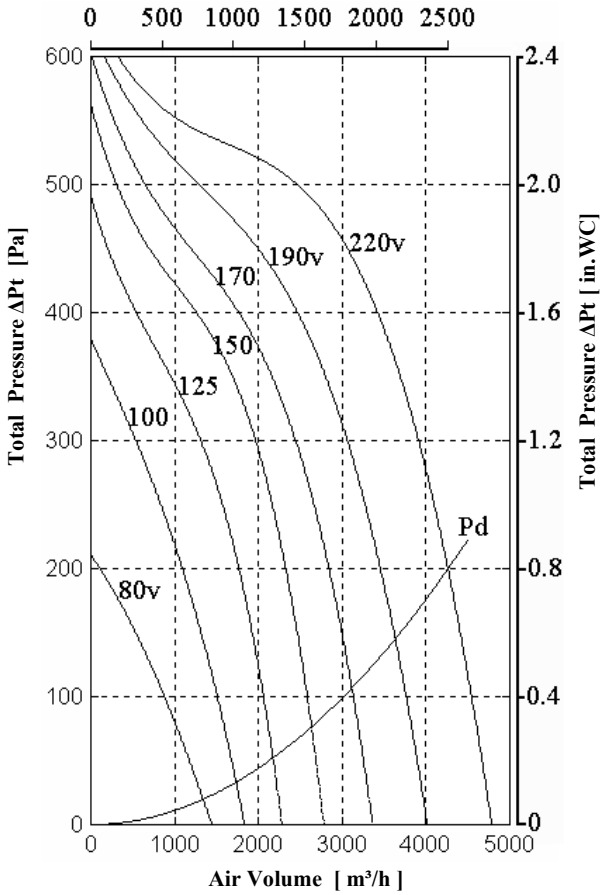

Diagram is based on standard air ρ=1.2 kg/m³. ***Pd*** is system curve for dynamical pressure part related to Fan Outlet Area (Curve for free blowing fan). *Total Pressure* (the sum of the dynamic and static pressures) is shown in relation to the *Air Volume*, Dynamic pressure is shown below system line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

- Voltage Range 100 ~ 220 [V]
- Frequency 50 [Hz]
- Current *max* *@ free air* 4.0 [A]
- Power *max* *@ free air* 850 [W]
- Speed *@ free air* 850 [rpm]
- Insulation Class H
- Protection Class IP65
- Power Factor (cos φ) 0.98
- Capacitor 25 [µF] 400 [V]
- Net Weight 24 [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	*200*	*300*	*400*	*500*
80	1340	870	100			
100	1740	1500	1090	540		
125	2180	2070	1770	1320	540	
150	2640	2580	2330	1970	1270	310
170	3110		2840	2440	1750	640
190	3640		3450	3060	2470	1280
220	4260		4260	3910	3420	2460

Wheel Diameter = 333 mm = 13 1/8"
40 Blades , 25 mm = 1 " Chord Width
Tip Speed = rpm * 0.017 [m/s]
= rpm * 3.45 [FPM]
Outlet Area = 0.058 [m²] = 0.63 [SQ.FT.]

Voltage [V]	Sound Pressure Level dB(A)						
	80	*100*	*125*	*150*	*170*	*190*	*220*
Inlet	44	52	56	60	65	67	69
Outlet	45	53	57	62	66	69	71

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