

RD 445 / E65-6

Air Volume [C.F.M]

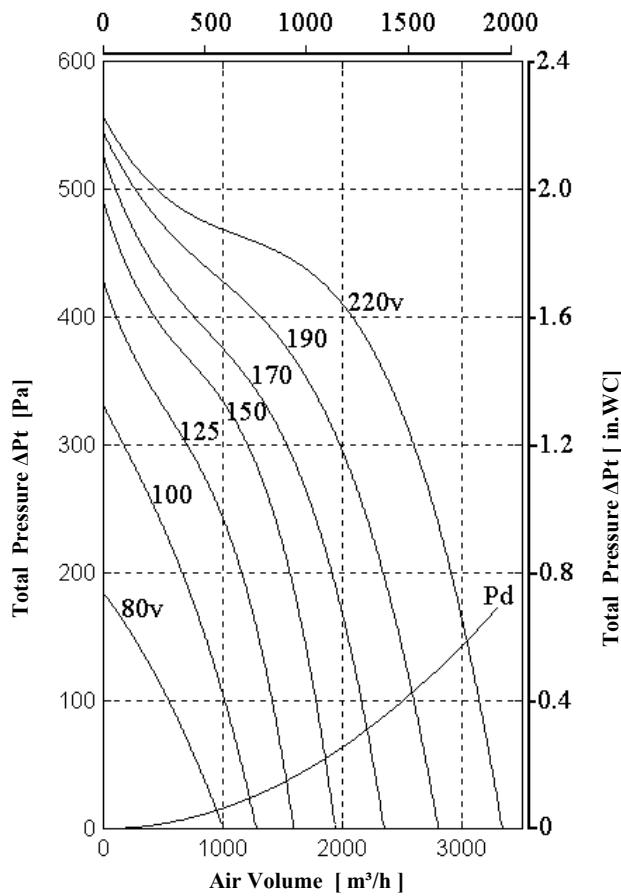


Diagram is based on standard air $\rho=1.2 \text{ kg/m}^3$.
Pd is system curve for dynamical pressure part related to Fan Outlet Area (Curve for free blowing fan). *Total Pressure* (the sum of the dynamic and static pressures) is shown in relation to the *Air Volume*, Dynamic pressure is shown below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

Roof Down Discharged, 1500 CFM 220V 1N~ 50 Hz

- Voltage Range 100 ~ 220 [V]
- Frequency 50 [Hz]
- Current max @ free air 3 [A]
- Power max @ free air 650 [W]
- Speed @ free air 850 [rpm]
- Insulation Class H
- Protection Class IP65
- Power Factor ($\cos \varphi$) 0.98
- Capacitor 25 [μF] 400 [V]
- Net Weight 22 [kg]
- Starting Torque 3.5 [nm]
- Starting Current max 7 [A]
- Air Temperature max 60 [$^{\circ}\text{C}$]

Voltage [V]	Free Air	Air Volume [m^3/h] @ $\rho=1.2 \text{ kg/m}^3$				
		100	200	300	400	500
80	940	550				
100	1220	1020	670	180		
125	1530	1410	1160	710	110	
150	1860	1780	1560	1210	430	
170	2200	2150	1910	1540	750	100
190	2580		2340	2000	1310	270
220	3040		2900	2590	2070	440

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 = 0.049 [m^2] = 0.53 [SQ.FT.]

Voltage [V]	Sound Pressure Level dB(A)						
	80	100	125	150	170	190	220
Inlet	43	52	57	61	66	68	72
Outlet	46	54	59	63	68	71	73

Measured in distance of 3m, @ free air

