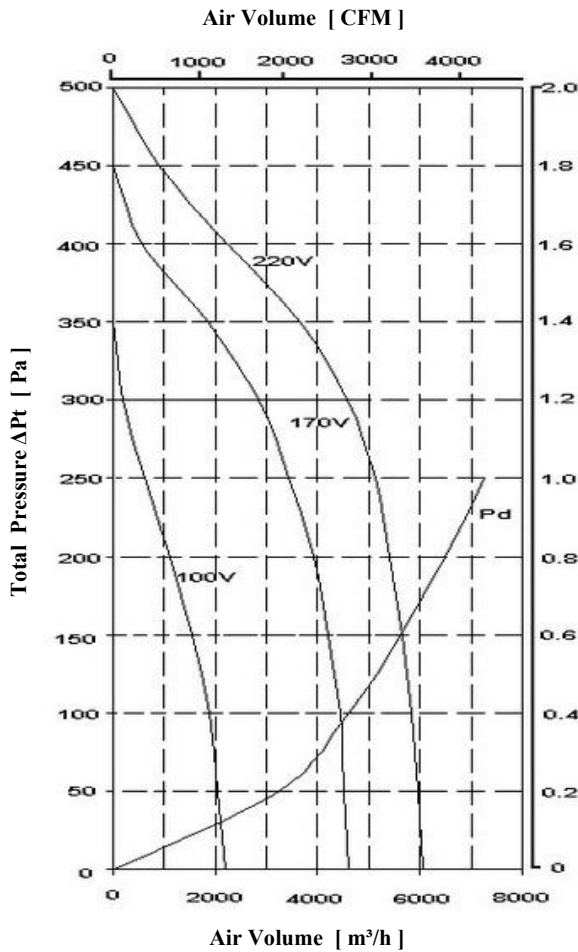


# D446 / E65-6 (13-15)

## Double Inlet Centrifugal Fan 3300 CFM 220V 1N~ 50 Hz



- Voltage Range 100 ~ 220 [V]
- Frequency 50 [Hz]
- Current *max @ free air* 4.7 [A]
- Power *max @ free air* 1000 [W]
- Fan speed *@ free air* 700 [rpm]
- Insulation Class H
- Protection Class IP65
- Power Factor (cos  $\phi$ ) 0.90
- Capacitor 30 [ $\mu$ F] 400 [V]
- Net Weight 30 [kg]
- Starting Torque 4 [nm]
- Starting Current *max* 7 [A]
- Air Temperature *max* 60 [°C]

Voltage [V]	Air Volume [m³/h] @ $\rho=1.2 \text{ kg/m}^3$						
	Free Air	Total Pressure $\Delta Pt$ [Pa]					
		100	200	300	350	400	450
100	2080	1880	1125	180			
170	4560	4450	3910	2850	1850	550	
220	5620		5405	4570	3660	2225	900

Wheel Diameter = 330 mm = 13 1/8in  
 40 Blades , 25 mm = 1 " Chord Width  
 Tip Speed = rpm \* 0.017 [m/s]  
 = rpm \* 3.40 [FPM]  
 Outlet Area = 0.099 [m²] = 1.06 [SQ.FT.]

Voltage [V]	Sound Pressure Level in dB(A)		
	100	170	220
Inlet	55	66	71
Outlet	57	68	72

Measured in distance of 3m , @ free air

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.

