15-15 D / TE130-6

Double Inlet Centrifugal Fan
6000 CFM , 220V 1N~ 50 Hz

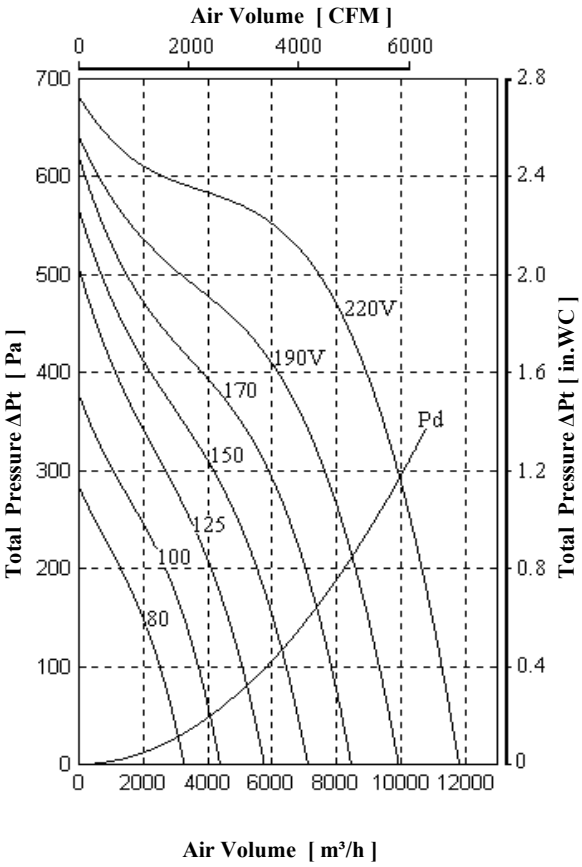

Diagram is based on standard air ρ=1.2 kg/m³. ***Pd*** is system curve for dynamical pressure part related to Fan Outlet Area (Curve for free blowing fan). *Total Pressure* (the sum of the dynamic and static pressures) is shown in relation to the *Air Volume*, Dynamic pressure is shown below system line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

- Voltage Range 100 ~ 220 [V]
- Frequency 50 [Hz]
- Current *max* *@ free air* 10.0 [A]
- Power *max* *@ free air* 2100 [W]
- Speed *@ free air* 700 [rpm]
- Insulation Class H
- Protection Class IP65
- Power Factor (cos φ) 0.95
- Capacitor 2*30 [µF] 400 [V]
- Net Weight 54 [kg]
- Starting Torque 8 [nm]
- Starting Current *max* 14 [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	3060	2510	460			
100	4070	3690	1840			
125	5220	5050	3400	1130	60	
150	6270		4880	2180	670	
170	7400		6520	3810	1450	170
190	8490		8110	6140	3170	610
220	9940			8930	7400	2600

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 = 0.12 [m²] = 1.36 [SQ.FT]

Voltage [V]	Sound Pressure Level dB(A)						
	80	***100***	***125***	***150***	***170***	***190***	***220***
Inlet	46	52	56	61	66	68	71
Outlet	49	54	59	64	68	71	74

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