D642 A / E65-6

Double Inlet Centrifugal Fan
4000 CFM. 220V. 1N~ 50 Hz

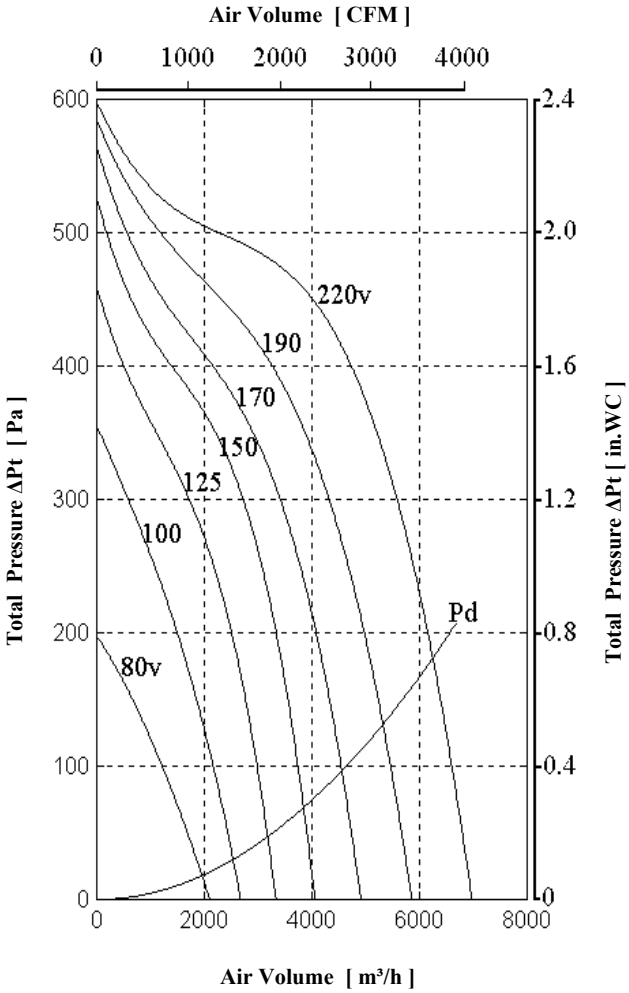

Diagram is based on standard air ρ=1.2 kg/m³. ***Pd*** is system curve for dynamical pressure part related to Fan Outlet Area (Curve for free blowing fan). *Total Pressure* (the sum of the dynamic and static pressures) is shown in relation to the *Air Volume*, Dynamic pressure is shown below system line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

- Voltage Range 100 ~ 220 [V]
- Frequency 50 [Hz]
- Current *max* *@ free air* 5.0 [A]
- Power *max* *@ free air* 1050 [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 32 [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	*200*	*300*	*400*	*500*
80	1970	1210				
100	2540	2160	1500	610		
125	3170	2980	2510	1720	510	
150	3850	3740	3340	2730	1390	180
170	4550	4540	4080	3410	2130	560
190	5320		4980	4310	3240	1170
220	6240		6150	5570	4730	2260

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 = 0.10 [m²] = 1.07 [SQ.FT.]

Voltage [V]	Sound Pressure Level dB(A)						
	80	***100***	***125***	***150***	***170***	***190***	***220***
Inlet	46	53	57	60	64	66	69
Outlet	48	54	58	62	65	68	70

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