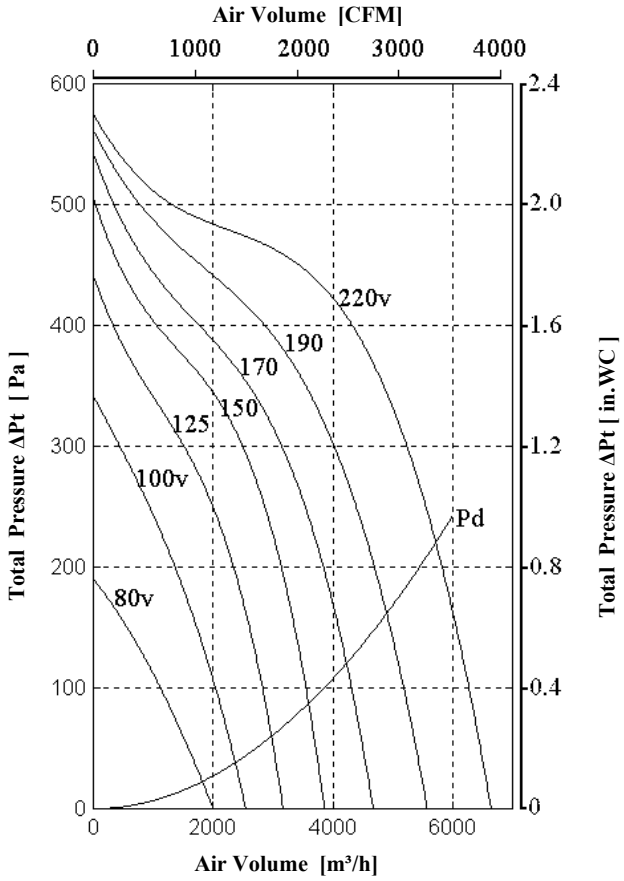
D544 / E65-6

Double Inlet Centrifugal Fan
3500 CFM , 220V 1N~ 50 Hz



- Voltage Range 100 ~ 220 [V]
- Frequency 50 [Hz]
- Current *max* *@ free air* 4.5 [A]
- Power *max* *@ free air* 950 [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 30 [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	1820	1120				
100	2360	2020	1350	440		
125	2945	2820	2340	1510	330	
150	3580	3530	3130	2490	1060	
170	4220		3840	3130	1770	340
190	4890		4680	4020	2880	760
220	5700			5240	4320	1290

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.

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 = 0.084 [m²] = 0.90 [SQ.FT.]

Voltage [V]	Sound Pressure Level dB(A)						
	80	***100***	***125***	***150***	***170***	***190***	***220***
Inlet	47	53	58	62	65	68	71
Outlet	48	55	59	63	66	70	72

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