

MAYA FAN AIR ENGINEERING

LIG - 141, Jawahar Nagar,
A. B. Road, DEWAS - 455 001
Ph : 07272-508942, 328890



Customer : Growth Initiative Limited.
Fan Model : MAYA-CTA-MA06B-J8
Site : _____

Date : 28/08/04

FAN PERFORMANCE REPORT

	Unit	Existing Fan				Maya FRP Fan			
Fan Diameter	mm	2400				2400			
Hub Diameter	mm	450				400			
Fan casing diameter	mm	2460				2460			
Number of Blades	Nos.	06				06			
Blade Angle	Degree	-				5° at tip			
Gross Area of Fan	m ²	4.67				4.67			
Hub Area	m ²	0.159				0.13			
Discharge Area	m ²	4.51				4.54			
Air Velocity	m/sec	S ₁	S ₂	S ₃	S ₄	S ₁	S ₂	S ₃	S ₄
R ₁		2.2	7.4	2.0	2.8	5.5	5.1	5.3	4.2
R ₂		8.2	11.2	8.5	9.0	10.2	9.0	9.8	11.4
R ₃		10.0	10.8	11.0	9.6	13.8	13.6	15.2	13.0
R ₄		9.5	7.2	9.0	6.6	16.8	14.2	17.2	15.6
R ₅		6.0	2.0	3.7	2.3	14.8	11.9	15.7	15.6
Av. Air Velocity	m/sec	6.89				11.89			
Air Flow	m ³ /sec	(31.07) 65834.2 l/min				(53.98) (1,14,378 l/min)			
Connected Motor	kW	11.0				11.0			
Supply Voltage	Volt	410				411			
Motor Current	Ams.	(12.2, 12.6, 13.4) = 12.73				(13.7, 14.0, 15.1) = 14.23			
Consumed Power	kW	(2.1 + 2.2 + 2.7) = 7.0				(2.1 + 2.5 + 2.7) = 7.4			
Power Factor	-	0.75				0.72			
Power Saving	%								
Increase in Airflow	%								

Remark

Engineer [Signature]
Maya Fan Air Engineering, Dewas

[Signature]
28/08/04

Signature