

MAYA FAN AIR ENGINEERING Pvt. Ltd. **PERFORMANCE TRIAL ORDER**

Pict No. 53B, Industrial Area No. 1,
 A. B. Road, DEWAS - 455 001
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 Email : info@mayafanfrp.com

Order July 20, 2005

Ist Report
 Commissioning

Customer : MH Mills & Industries Limited, Ahmedabad
 Fan Model : MAYA-HPA-M108-7417
 Plant : Fan No. 1 G5-1 Rfr Exhaust fan
 Tag :

Date 13/08/2005

FAN PERFORMANCE REPORT

Unit	Existing Fan				Maya FRP Fan				
Fan Diameter	mm	1200				1200			
Hub Diameter	mm	385				375			
Fan casing diameter	mm	1210				1210			
No. of Blades	Nos.	06				08			
Blade Angle	Degree	9°				8.5°			
Area at measuring section	m ²	1.1309				1.1305			
Hub Area	m ²	0.1164				0.1104			
Discharge Area	m ²	1.014				1.0205			
Air Velocity	m/sec	S ₁	S ₂	S ₃	S ₄	S ₁	S ₂	S ₃	S ₄
	R ₁	12.4	13.8	13.3	7.3	9.2	13.7	10.8	12.0
	R ₂	19.4	20.0	17.5	17.8	13.1	20.1	17.5	16.5
	R ₃	18.0	20.0	18.3	17.6	18.3	26.0	25.8	23.7
	R ₄	16.8	16.7	15.2	14.6	24.2	30.0	26.7	25.3
	R ₅	9.7	6.5	6.6	5.3	10.1	10.3	10.8	5.0
Av. Air Velocity	m/sec	14.34				17.655			
Air flow	m ³ /sec	14.54 (30811 CFM)				18.016 (38174 CFM)			
Connected Motor	kW	6.75 15 / 20 HP				15 / 20 HP			
Supply Voltage	Volt	411				411			
Motor Current	Ams.	17.9				15.9			
Consumed Power	kW	6.75				5.21			
Power Factor	-	0.53				0.43			
Power Saving	%					22.7 % 1.53 kwh			

Remark

Engineer [Signature]
 Maya Fan Air Engineering Pvt. Ltd.

Signature [Signature]
 SR Singh
 Sup-7
 R.R. Swain
 Sr. Anal

Signature [Signature]
 BH Shah
 CEM Engr

to order
 4/20/05
 to show
 comparison