

FATHIMUTHU AMMA MILLS PRIVATE LIMITED
B Unit spinning H.plant TEXCONN Fan Change details

Date : 07.08.25

Sl no	Description	Exhaust 1		Exhaust 1		Supply - 1		Supply - 2	
		Before	After	Before	After	Before	After	Before	After
1	Installed Motor KW	7.5		7.5		15		15	
2	Fan dia	1200	1196	1200	1196	1200	1196	1200	1196
3	No of Leaf	4	3	4	3	4	3	4	3
4	Fan Blade Angle in degree		22		20		26		26
5	Air volume in CMH	61592	64432	65287	65213	130448		148440	
6	Motor Actual Load in KW	8.33	5.98	6.93	5.2	12.1	9.39	12.52	9.8
7	Toatal Units per day	191.59	137.54	159.39	119.6	278.3	215.97	287.96	225.4
8	Savings units per day		54.05		39.79		62.33		62.56
9	Savings units in %		28.21		24.96		22.40		21.73
10	Savings cost per month in Rs (@ Rs 6.00 per Unit)		9729		7162			17992	
11	Air volume in CMH increased		2840		-74			17992	
12	Air volume in CMH increased %		4.61		-0.11			13.79	

B Unit Spinning Plant

	Supply Fan - 1			Supply Fan - 2			Exhaust Fan - 1			Exhaust Fan - 2		
	Before	After	Savings	Before	After	Savings	Before	After	Savings	Before	After	Savings
No of Leaf	4			4			4			4		
Fan Dia in mm	1200			1200			1200			1200		
Ring dia in mm	1210			1210			1210			1210		
Motor KW	15			15			7.5			7.5		
Motor RPM	1455			1455			1450			1450		
Motor frame size	160 M			160 M			132 M			132 M		
Motor load Amps	21.2	18.69		24.3	22.75		10.2	9.96		11.7	9.8	
Type of drive	Non Inverter			Non Inverter			Non Inverter			Non Inverter		
KW	3.39, 4.26, 4.49	3.05, 3.32, 3.03		3.5, 4.44, 4.51	3.06, 3.58, 3.19		2.71, 2.91, 2.77	1.89, 2.14, 1.87		2.08, 2.42, 2.44	1.59, 1.87, 1.72	
Units per hour	12.1	9.39	2.71	12.52	9.8	2.72	8.33	5.98	2.35	6.93	5.2	1.73

Savings per Hour		9.51	Units
Per day		219	Units
per month		6562	Units