



# Evaporative Cooling System

IDEAL FOR  
RESIDENTIAL AND  
COMMERCIAL  
USE

SINGLE & DOUBLE SKIN

# Air Washers



# AIR WASHERS

AIREF AIR WASHERS are highly engineered, effectively designed, thoughtfully manufactured and thoroughly tested evaporative cooling units, that are crafted to provide an efficient means of cooling at the least of expense.

Designed for compactness and rigid construction, these units are just ideal for any type of residential as well as commercial structures.

The constructional features include:

RANGE	:	2000 CFM TO 60000 CFM
FRAME	:	G.I. FRAME WITH 3D CORNERS
BLOWERS	:	STATICALLY AND DYNAMICALLY BALANCED, DIDW, CENTRIFUGAL, IMPORTED / INDIGENOUS
BEARINGS	:	SELF ALIGNING, PILLOW BLOCK TYPE
FILTERS	:	SYNTHETIC, WASHABLE
<i>PANELS</i>		
SINGLE SKIN	:	18 SWG, POWDER COATED
DOUBLE SKIN	:	24 SWG SKINS WITH SANDWICHED INSULATION

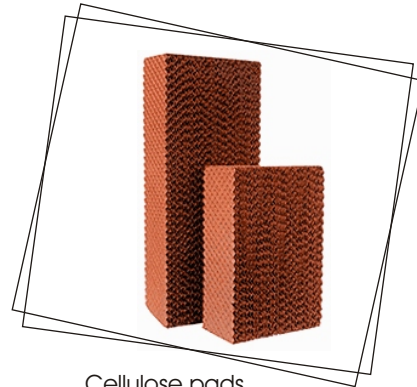


Rear View

## COOLING MEDIA - Cellulose Paper Pads

The cellulose paper pads, cross-sectional, specially treated flute media, is capable of absorbing and retaining water to provide maximum cooling efficiencies.

The cooling pad is cross-corrugated to maximize the mixing of air and water and eliminate the excess water carried over.



Cellulose pads

## APPLICATIONS

RESIDENTIAL BUILDINGS  
SCHOOLS & INSTITUTES  
AUDITORIUMS  
BANQUET HALLS  
POULTRY FARMS  
SHOPPING PLAZAS  
HOTEL KITCHENS  
GENERATOR ROOMS  
PHARMACEUTICAL PLANTS  
FOOD PROCESSING UNITS

HOTELS  
BANKS  
OFFICES  
CANTEENS  
TEMPLES  
HOSPITALS  
BAKERIES  
FACTORIES  
RESTAURANTS  
SHOWROOMS etc.



## **AIREF ENGINEERS**

The Air Management Experts....Since 1982

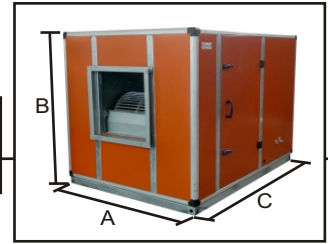
AIR HANDLING UNITS | AIR WASHERS | FAN COIL UNITS  
CLEAN ROOM HVAC UNITS | AIR CURTAINS | HEATING UNITS

Authorised representative:



Since 1982

# TECHNICAL SPECIFICATIONS



## AIR WASHERS

### COMMERCIAL / INDUSTRIAL MODELS

AIR VOLUME (CFM)	CELLULOSE PAD AREA (sq. Ft.)	MOTOR POWER (H.P.)	DIMENSIONS (Inches)		
			A (WIDTH)	B (HEIGHT)	C (DEPTH)
2000	4	0.75	33	31	60
2500	5	1	33	37	60
3000	6	1.5	39	37	63
4000	8	2	51	37	63
5000	10	3	51	43	72
6000	12	3	51	49	72
7000	14	3	51	55	78
8000	16	5	51	61	78
9000	18	5	57	61	78
10000	20	5	63	61	84
12000	24	7.5	75	61	84
15000	30	7.5	75	73	84
18000	35	10	87	73	96
20000	40	10	99	73	96
22000	44	12.5	99	79	96
25000	50	15	111	79	96
27000	54	15	111	85	96
30000	60	20	123	85	96

The higher models of 40000 CFM, 50000 CFM and 60000 CFM are supplied as two units of 20000 CFM, 25000 CFM and 30000 CFM respectively.

### RESIDENTIAL MODELS

AIR VOLUME (CFM)	CELLULOSE PAD AREA (sq. Ft.)	DIRECT DRIVE				BELT DRIVE			
		MOTOR POWER (Watts)	A (WIDTH)	B (HEIGHT)	C (DEPTH)	MOTOR POWER (H.P.)	A (WIDTH)	B (HEIGHT)	C (DEPTH)
1500	3	250 W	27	31	48	0.5	27	31	54
2000	4	370 W	27	37	48	0.5	33	31	60
2500	5	560 W	33	37	48	0.75	33	37	60
3000	6	746 W	39	37	48	1	39	37	63
4000	8	370 W x 2	51	37	48	1.5	51	37	63
5000	10	560 W x 2	51	43	48	2	51	43	72
6000	12	746 W x 2	51	49	48	2	51	49	72
7000	14	-	-	-	-	2	51	55	78
8000	16	-	-	-	-	3	51	61	78
9000	18	-	-	-	-	3	57	61	78

All dimensions in inches. Specifications are subject to change without notice.

## AIREF ENGINEERS

The Air Management Experts....Since 1982

AIR HANDLING UNITS | AIR WASHERS | FAN COIL UNITS  
 CLEAN ROOM HVAC UNITS | AIR CURTAINS | HEATING UNITS