

# Evaporative Cooling Modules for AHUs



FIRE RETARDANT

CNC  
Manufactured  
Compact module

**DRI™ EcoCool™**  
Evaporative Cooling Modules



Incorporating *EcoCool* Fire Retardant  
Evaporating Cooling Pads

# Evaporative Cooling Modules for AHUs

## Engineering Data Sheet

## Product Selection Chart, ECM 600-600 to 2400-2400



FIRE RETARDANT

**Incorporating the new Fire Retardant EcoCool Evaporative Cooling Pads:**  
Special flame retardant material ensures total safety in a hazardous environment.



**High Water Retention:**  
Engineered from cross-sectional, specially treated fluted media capable of absorbing and retaining more water to provide maximum cooling efficiency. EcoCool Evaporative Cooling Pads take on more water almost 20 to 40% higher amount of water than many other international pads.



**Long and extended life:**  
Special protective edge coating lessens build-up of dust particles, thus, enhancing the life of pads.



**High Structural Strength:**  
Stiffening and rot resisting agents provide exceptional structural strength.



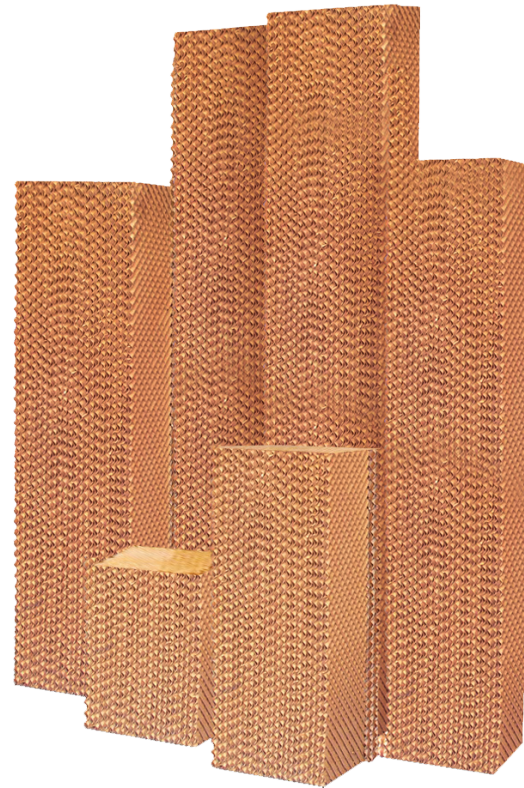
**High Cooling Efficiency:**  
Pads are designed, engineered and manufactured from a specially treated inorganic material which ensures exceptionally high evaporative efficiency.



**Easy Maintenance:**  
Low and very easy maintenance.



**Low Operating Cost**



**DRI ECO-COOL™**

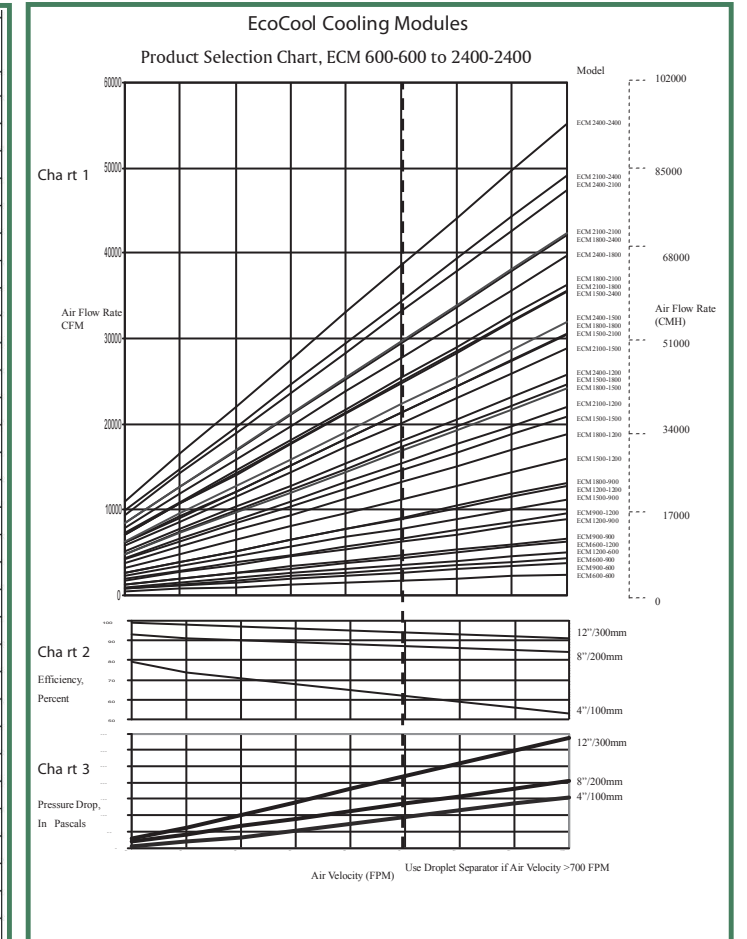
Evaporative Cooling Pads (ECPs)

EcoCool Cooling Modules for AHU's

## for Standard Cooling Modules

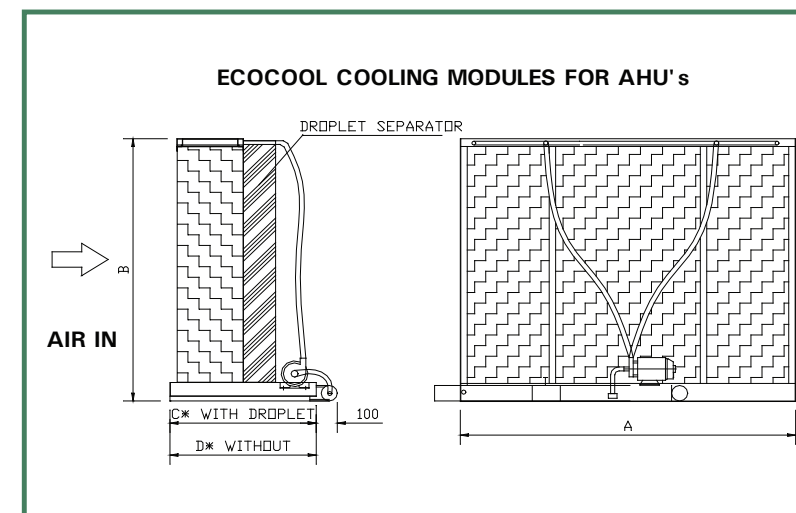
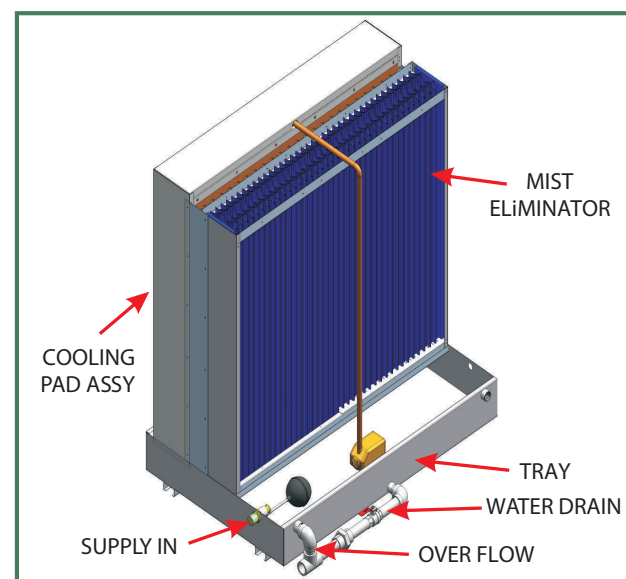
S No.	Model Number	A	B	C	D	ECM - 60% D = 100 Weight (kg)		ECM - 85% D = 200 Weight (kg)		ECM - 95% D = 300 Weight (kg)			
						Wet	dry	Wet	dry	C		D	
1	ECM 600-600	600	600	775	575	48	25	55	29	875	675	84	31
	ECM 600-900		900			54	29	63	33			77	36
	ECM 600-1200		1200			57	31	70	36			88	42
2	ECM 900-600	900	600	775	575	66	32	76	36	875	675	92	43
	ECM 900-900		900			73	35	86	42			110	51
	ECM 900-1200		1200			80	39	100	47			128	58
3	ECM 1200-600	1200	600	775	575	84	39	97	45	875	675	117	53
	ECM 1200-900		900			92	43	110	51			142	62
	ECM 1200-1200		1200			101	46	127	57			163	70
4	ECM 1500-900	1500	900	775	575	113	53	136	62	875	675	175	74
	ECM 1500-1200		1200			124	56	156	68			202	87
	ECM 1500-1500		1500			135	61	175	78			229	99
	ECM 1500-1800		1800			147	66	196	87			261	112
	ECM 1500-2100		2100			155	70	217	97			315	135
	ECM 1500-2400		2400			165	75	233	105			315	135
5	ECM 1800-900	1800	900	775	575	130	55	156	67	875	675	204	84
	ECM 1800-1200		1200			147	65	186	81			240	100
	ECM 1800-1500		1500			161	70	206	90			272	114
	ECM 1800-1800		1800			174	77	231	101			309	130
	ECM 1800-2100		2100			182	81	256	112			330	143
	ECM 1800-2400		2400			195	87	275	120			372	156
6	ECM 2100-1200	2100	1200	775	575	172	75	217	95	875	675	279	118
	ECM 2100-1500		1500			186	81	241	106			317	133
	ECM 2100-1800		1800			202	89	270	119			361	152
	ECM 2100-2100		2100			212	94	298	130			398	168
	ECM 2100-2400		2400			227	100	321	141			435	184
7	ECM 2400-1200	2400	1200	775	575	193	83	243	105	875	675	315	130
	ECM 2400-1500		1500			210	90	271	117			358	147
	ECM 2400-1800		1800			227	98	304	131			407	168
	ECM 2400-2100		2100			238	103	337	144			448	186
ECM 2400-2400	2400	255	111	362	155	491	204						

ALL DATA SUBJECT TO CHANGE WITHOUT NOTICE



Series

(ECM 600-600 to 2400-2400)



## Power Requirement

ECM 600-600 TO ECM 1200-1200	90 Wt, 230v / 1 PH / 50 HZ
ECM 1500-1500 TO ECM 1800-1800	180 Wt, 230v / 1PH / 50 HZ
ECM 2100-2100 TO ECM 2400-2400	370 Wt, 230v / 1PH / 50 HZ

# Make US your HVAC Partner



⊙ Indoor Air Quality ⊙ Humidity Control ⊙ Energy Recovery

## Our **Green Building** Products

- ⊙ Heat Recovery Wheels (HRWs)
- ⊙ Energy Recovery Ventilators (ERVs)
- ⊙ Treated Fresh Air Units (TFAs)
- ⊙ Dedicated Outdoor Air Systems (DOAS)
- ⊙ CO<sub>2</sub> Sensors
- ⊙ Evaporative Cooling Pads
- ⊙ Arctic Evaporative Cooler
- ⊙ Evaporative Cooling Modules for AHUs and Chillers



**DESICCANT ROTORS INTERNATIONAL (DRI)** is the fastest growing Indian HVAC&R company with global footprints providing end to end solution for fresh air treatment. DRI products and systems are maintaining IAQ in prestigious buildings all over the world : Beijing Airport, China; Olympia Technology Park, India; Thai Parliament, Thailand; National Theater, Malaysia; Pacific Controls, Dubai; K.E.M. Hospital, Australia; The City, Brazil; University of North Carolina Science & Media Building, USA . . . and many more.

**DRI products help to achieve LEED and other energy certifications** DRI's "Green" products help to optimize energy performance of air conditioning systems resulting in :

- ⊙ Considerable reduction in installed tonnage.
- ⊙ Reduction in utility bills for entire life cycle.
- ⊙ Enhanced IAQ and productivity.
- ⊙ Reduced health risks.



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