



TRIPTI Evaporative Air Cooling

Superior Cooling, Quality, Reliability & Durability

Climate Wizard



TRIPTI

Eco Aircooling



Advantages

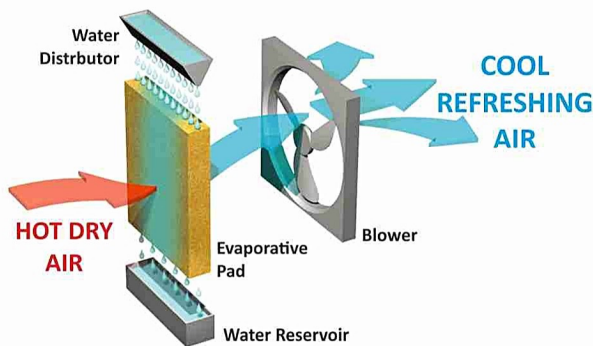
- ◆ Comfort cooling with high airflow
- ◆ Fresh, Filtered, Cool & Oxygen Rich Air
- ◆ Energy saving upto 80%
- ◆ Environmental Friendly
- ◆ Low Capex
- ◆ Dust protection Nylon Mesh
- ◆ Innovative Design & Engineering
- ◆ Humidity controller/Temperature controller/optional
- ◆ Auto Draining & Cleaning optional
- ◆ Open Space Cooling
- ◆ Factory Built Modular Construction for long life

About Us

Tripti is a leading supplier of Dehumidifier, Air conditioner, Aircurtain, Cooling & Ventilation System for industries, Commercial, Food & Agro Industries Air Cooling products etc.

Tripti Air Cooling is completely environment friendly and provides Cool, Fresh & Filtered air at extremely low running cost.

Cooling System Concept



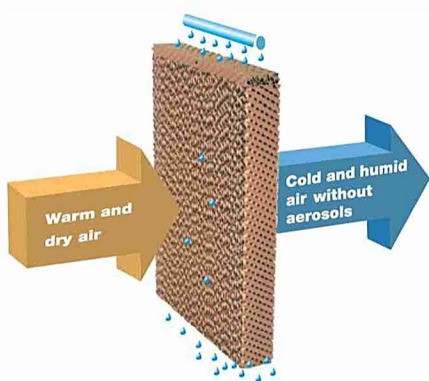
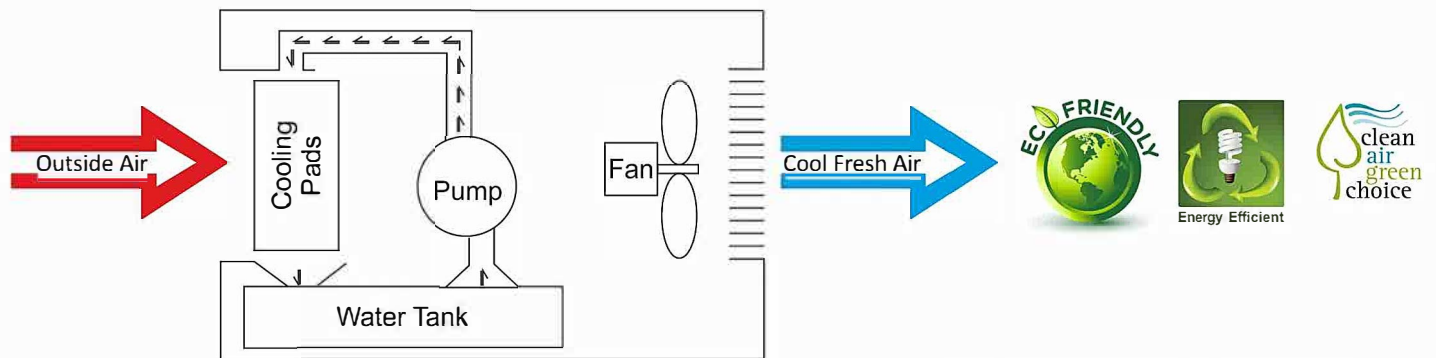
		HUMIDITY %													
		20%	25%	30%	35%	40%	45%	50%	55%	60%	65%	70%	75%	80%	
INLET AIR TEMPERATURE	31.0°C	18.3°C	18.9°C	20.0°C	21.1°C	21.7°C	22.8°C	23.3°C	24.4°C	25.0°C	26.1°C	26.7°C	27.2°C	27.8°C	
	32.0°C	19.4°C	20.6°C	21.1°C	22.2°C	23.3°C	23.9°C	25.0°C	25.6°C	26.7°C	27.2°C	28.3°C	28.9°C	29.4°C	
	34.0°C	20.6°C	21.1°C	22.8°C	23.3°C	24.4°C	25.6°C	26.7°C	27.2°C	28.3°C	28.9°C	29.4°C	30.6°C	31.1°C	
	36.0°C	22.2°C	23.3°C	24.4°C	25.6°C	26.7°C	27.8°C	28.9°C	30.0°C	30.6°C	31.7°C	32.2°C	33.3°C	33.9°C	
	37.0°C	22.8°C	23.9°C	25.5°C	26.1°C	27.2°C	28.3°C	29.4°C	30.0°C	31.1°C	31.7°C	32.8°C	33.3°C	34.4°C	
	39.0°C	23.9°C	25.0°C	26.1°C	27.2°C	28.3°C	29.4°C	30.6°C	31.7°C	32.8°C	33.3°C	34.4°C	35.0°C	36.1°C	
	41.0°C	25.0°C	26.1°C	27.8°C	28.9°C	30.0°C	31.1°C	32.2°C	33.3°C	33.9°C	35.0°C	36.1°C	36.7°C	37.8°C	
	42.0°C	26.1°C	27.2°C	28.9°C	30.0°C	31.1°C	32.2°C	33.3°C	34.4°C	35.6°C	36.7°C	37.8°C	38.3°C	38.9°C	
	44.0°C	27.2°C	28.9°C	39.0°C	31.7°C	32.8°C	33.9°C	36.1°C	35.0°C	36.1°C	37.8°C	38.9°C	39.4°C	40.6°C	
	45.0°C	28.3°C	30.0°C	31.1°C	32.8°C	33.9°C	35.0°C	36.7°C	37.8°C	38.3°C	39.4°C	40.0°C	41.1°C	42.2°C	
■ TYPICAL CASE: CENTRAL PLAINS & DRY CONDITIONS ■ TYPICAL CASE: COASTAL AREA & HUMID CONDITIONS															

OUTLET AIR TEMPERATURE

How it Works

Evaporative cooling is a physical phenomenon in which evaporation of a liquid, typically into surrounding air, cools an object or a liquid in contact with it. Latent heat describes the amount of heat that is needed to evaporate the liquid; this heat comes from the liquid itself and the surrounding gas and surfaces. When considering water evaporating into air, the wet-bulb temperature, as compared to the air's dry-bulb temperature, is a measure of the potential for evaporative cooling.

The greater the difference between the two temperatures, the better the evaporative cooling effects. When the temperatures are the same, no net evaporation of water in air occurs, thus there is no cooling effect.



Healthy
Fresh
Cool &
Clean Air
Eco Friendly
Energy Efficient



Air Discharge	Top / Down / Side	Top	Top / Down / Side
Power	1.1 KW	3 KW	1.1 KW
Air Flow (m ³ /h)	18000	30000	18000
Fan Type	Axial	Axial	Axial
Voltage	3 Phase/220V	3 Phase 380/415	3 Phase/220V
Frequency	50 Hz	50 Hz	50 Hz
Size (M) (L x W x H)	1.08* 1.08* 0.95	1.3* 1.3* 1.18	1.08* 1.08* 0.95
Cooling Area	1000-1500 Sq. Ft.	1600-2000 Sq. Ft.	1000-1500 Sq. Ft.
Noise	70 DB	70 DB	70 DB
Water Tank	25 L	40 L	220 L
Water Consumption	20-25 L	30-35 L	20-25 L
Weight	55 Kg	100 Kg	75 Kg
Air Outlet Size	670x370 mm	800x800 mm	670x370 mm
Temperature	10 Degree	10 Degree	10 Degree
Duct Output	660 x 660 mm	800 x 800 mm	660 x 660 mm

Applications

Bakery
Canteen



Farm House
Cinema Hall



Marriage Hall
Factory



Schools
Domestic

Poltry Farm
Electronic Industries



Offset Printing
Hotels / Restaurants



Conference Hall
Plastic Moulding Industry
Steel Industries



Offices
Ware House
Textile Industries

TRIPTI

Eco Aircooling



Climate Wizard

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