

# 4G SUPER COOLER

High Performance Multipurpose Applications.

# TURBO 21K

# KAAVA®

Xtraordinary Quality Super Coolers



## BND Body 'N' Design

Beautifully crafted, compact seamlessly blending body and panel design to suit all types of outdoors. Proven high performer, best value for money. Exceptional reliable, built to outlast!. Made from high quality 100% virgin UV stabilized polymer. Sloped water tank design for ease of self cleaning. Maintenance free, rust free, shock free and deformation free quality.

**WORLD'S FIRST**  
AUTO FILTER  
CLEANING  
TECHNOLOGY

Kaava is the pioneer company to introduce digital automatic cleaning technology of the pre air filters and the cooling pad by touch of a button on remote. Reducing manual service requirements, increase in life and trouble free cooling.



## QCT Quadraflow Cooling Technology

A unique four dimensional air suction body design. Larger cross section pad area, maximizes the evaporation process. Increases the cooling efficiency by up to 25% and lowers down the moisture addition by up to 50% than the conventional air coolers.



## MIT Microprocessor Inverter Technology

Operates the machine on various speeds via Digital LCD panel. Unlike traditional coolers, it consumes power in proportion to the speed driven. It can run on power inverter, solar systems, etc.



## ITM Inverter Technology Motor

India's first inverter technology fan motor. Made of 100% copper heavy duty performance. Super quiet operation & great energy efficiency ratio to provide many years of trouble free cooling.



## TAF Turbo Axial Fan

A unique engineered turbo axial 4 leaf fan blade made of ABS polymer. Produces a constant, cool, quiet, refreshing powerful air breeze. Optimized motor and fan design delivers airflow of up to 110 feet with super low noise.

Up To  
**110**  
FEET  
Airflow

**10**  
YEAR  
WARRANTY  
ON SHELL



Available in  
Top & Down  
Air Discharge

LCD Remote Panel  
With IR Remote



Cooling Capacity Upto 21000 CMH

0 CMH 5000 10000 15000 20000 25000 30000

Area Coverage 800 to 2000 SQFT

0 Sq. Ft. 500 1000 1500 2000 2500 3000

Cooling Efficiency Upto 90%

40 Percent. 50 60 70 80 90 100

26°C Air Delivery at Outside Temp 45°C & 10% RH

20 °Celsius 25 30 35 40 45 50

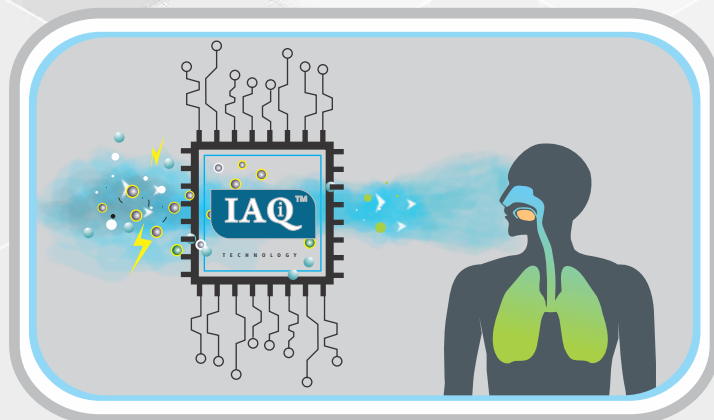
35-65 DB Super Silent Performance

10 Decibels 20 30 40 50 60 70

**IAQ™**

## Indoor Air Quality Improvement Technology

Multi stage air filtration technology for pure, prestene and filtered air all summer long. Non recycled outside air is passed via silver nano coated pre air filters which restricts allergens, bacteria and pollutants up to PM10 to invade. Cooling media has an antibacterial coating which cleans the air from PM 2.5 wash cycle. Microprocessor controlled Ionizer technology releases negative ions which collide with the positively charged air pollutants, mold's, bacteria, dust mites, pet dander, harmful VOCs etc. and removes them from the living spaces via powerful positive air stream and cross ventilation. It can change complete internal air at least every two minutes with zero recycling.





Top Discharge



**4th Generation super rigid media cooling pads.** Made from virgin aspen wood, high cooling efficiency of upto 90% and low humidity addition ratio. upto 13% more cooling in comparison to honeycomb pads. Long lifespan upto 5 years.\*



**Intelligent Auto Cleaning Technology.** Selectable 0-99 hours of self tank cleaning timer for auto maintenance of the machine. It restrain dust and bacteria accumulation, prevents scaling and provides smell free, bacteria free air. Remote controlled, manual water drain function also available.



**Self fault diagnosis and display** on the remote panel with error code for quick and speedy service support.



**Trapeze water distributor technology.** Non clogging uniform water distribution on all pads without leakages.



**Water Shortage Alarm.** If the water goes short in the tank, the LCD panel beeps, blinks red light and stops the water pump for protection. Display live water level and has water overflow protection valve installed.



**Pre-Cooling Technology.** It Saturates the cooling pads before the fan starts, for instant cooling and avoids odors.



**Digital Information Display.** LCD panels displays real time air temperature and power consumption display. Easy knowledge of service requirements and possible future problems.

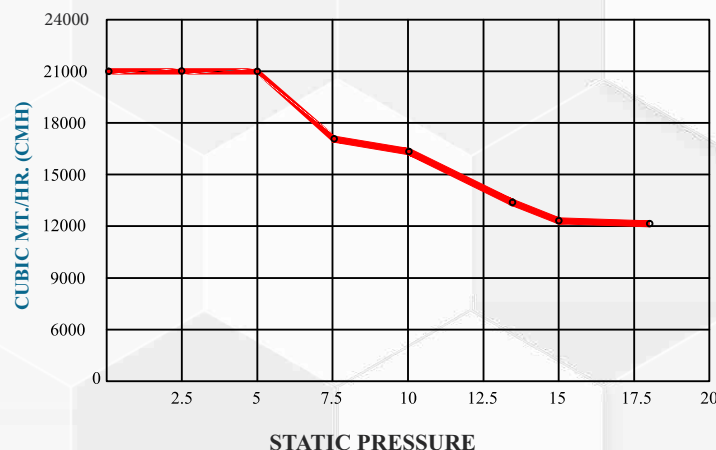


**Multiple Safety Protections.** Flame retardant & waterproof control box. Gel Sealed PCB and IC. Electric phase lack protection, safety fuse mechanism, overheat protection & many more for long life and trouble free safe performance.

## Technical Specification

Description	Spec.	Description	Spec.
Air Flow	21,000 CMH	Noise (db)	35 - 65
Air Pressure	220 PA	Water Tank (its)	30 litres
Motor	HD Copper	Rated Current	5.5 Amp
Power(watts)	500 - 1300	Remote Controller	LCD T Panel
Phase	Single	Dimensions (wxdxh)	43x43x36 In
Speed	12	Net Weight	77 Kgs
Fan Type	Turbo Axial	Operating Weight	107 Kgs

## CMH at Various static pressure (mm)



## Supply Air Temperature Chart

Ambient Dry Bulb Temp. (°C)	Relative Humidity (RH %)								
	10%	20%	30%	40%	50%	60%	70%	80%	90%
10	4.0	4.5	5.5	6.0	7.0	7.5	8.0	9.0	9.5
15	7.5	8.5	9.5	10.5	11	12	13	13.5	14.3
20	11	12	13	14.5	15.5	16.5	17.5	18.5	19
25	14.5	16	17	18.5	20	21	22	23	24
30	17.5	19.5	21	22.5	24	25	26.5	28	29
35	20	23	25	26.5	28.5	30	31.5	32.5	34
40	23	26.5	29	31	32.5	34.5	N/A	N/A	N/A
45	26	29	32.5	35	N/A	N/A	N/A	N/A	N/A
50	29	32.5	36.5	N/A	N/A	N/A	N/A	N/A	N/A

\*Supply air temperature is taken at outlet of fan.

\* In Low Tds Sweet Water If Maintained Periodically As Per Co. Standards.