

# 4G

SUPER COOLER

Heavy Duty Multipurpose Applications

# TURBO 25K

# KAAVA®

Xtraordinary Quality Super Coolers



## BND Body 'N' Design

Beautifully crafted, compact seamlessly blending body and panel design with elite white and grey color shade. Proven high performer, best value for money. Exceptional reliable, built to outlast!. Made from high quality 100% virgin UV stabilized polymer. Maintenance free, rust free, shock free and deformation free quality.



## IM Inverter Motor

India's first Inverter Technology control system and 100% copper heavy duty fan motor. Low noise & great energy efficiency ratio to provide many years of trouble free cooling.



## VAF Vaneaxial Fan

Specially designed Vaneaxial 9 fin fan for heavy duty operations. Made of high grade industrial nylon with air dimples for a high static pressure, powerful yet low noise air breeze with ease. Optimized motor and fan design delivers airflow of upto 125 feet.



## MIT Microprocessor Inverter technology.

Operate 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, generator etc.



## 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.



## SRM 4G 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 3G honeycomb pads. Long life span upto 5 years\*

Up To  
**125**  
FEET  
Airflow

**10**  
YEAR  
WARRANTY  
ON SHELL



Available in  
Top, Down & Side  
Air Discharge

LCD Remote Panel  
With IR Remote



### Cooling Capacity Upto 25000 CMH

0 CMH 5000 10000 15000 20000 25000 30000

### Area Coverage 1200 to 2500 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°C Celsius 25 30 35 40 45 50

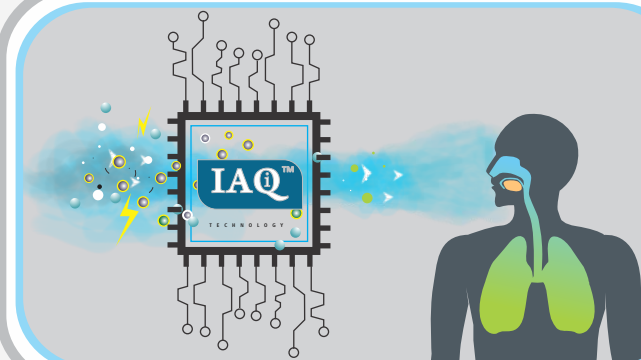
### 40-78 DB Low Sound Operations

20 Decibels 30 40 50 60 70 80

**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 high quality pre air filters which restricts allergens, bacteria and pollutants to invade. Cooling media has an antibacterial coating which cleans the air from PM 10/2.5 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.





### Technical Specification

Description	Spec.	Description	Spec.
Air Flow	25,000 CMH	Noise (DB)	40 - 78
Air Pressure	250 PA	Water Tank	30 litres
Motor	HD Copper	Rated Current	7 Amp.
Power(watts)	700 - 1500	Remote Controller	LCD Panel
Phase	Single	Dimensions (WDXH)	40x40x48 In
Speed	50	Net Weight	90 Kgs
Fan Type	Vaneaxial	Operating Weight	130 Kgs



**Intelligent Auto Cleaning Technology** Selectable 0-72 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 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.



**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.

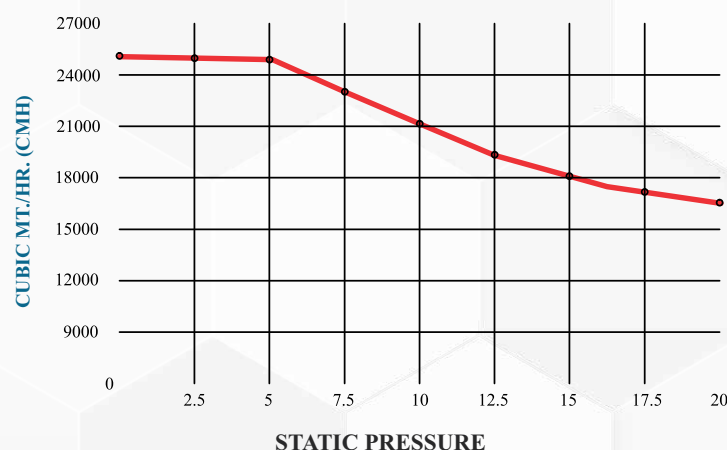


**Digital Information Display** LCD panels displays real time air temperature and power consumption display. Easy knowledge of service requirements and possible future problems.



**Super Remote Controller** LCD touch screen panel with full features and controls. Custom programmable.

### 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.