

4G SUPER COOLER

Premium Residential Applications

CYCLONE 16K

KAAVA®

Xtraordinary Quality Super Coolers



BD

Body Design

Beautifully crafted, super compact beige color body design to suit all types of elevations. Cool your whole home with this premium, powerful and energy-efficient evaporative super cooler. Made from high quality 100% virgin UV stabilized polymer. Maintenance free, rust free, shock free and deformation free quality.



IM

Inverter Motor

Induction technology 100% copper high quality fan motor. Super Quiet, great energy efficiency ratio and build to provide many years of trouble free performance.



VAF

Van Axial Fan

Specially designed Vaneaxial 9 fin fan for high performance. Made of high quality industrial polymer, powerful and low noise air breeze. Optimized motor and fan design delivers airflow of upto 80 feet.



MIT

Microprocessor TRIAC Technology. TRIAC technology operates the machine on 9 speeds via Digital LCD panel. It can run on power inverter, solar systems, generator etc.



IT

Induction Technology 100% copper high quality fan motor. Super Quiet, great energy efficiency ratio and build to provide many years of trouble free performance.



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

4th Generation super rigid media cooling pads. 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 3G honeycomb pads. Long life span upto 5 years*



SFD

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

Up To
80
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 1200 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

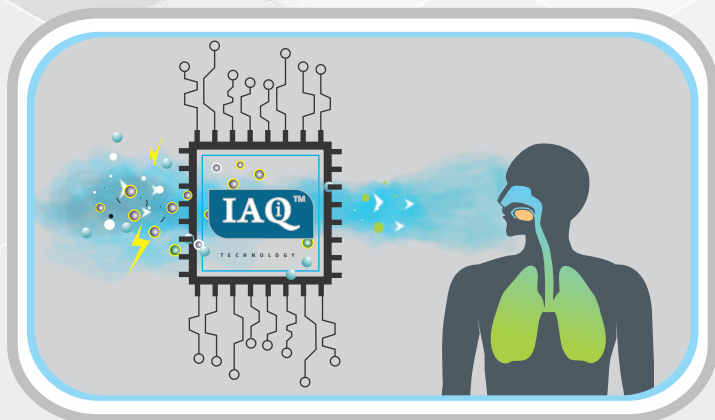
35-65 DB Silent Operations

10 Decibels 20 30 40 50 60 70

IAQ™

Indoor Air Quality Improvement Technology

Microprocessor Inverter technology. Multi stage air filtration technology for pure, prestene and filtered air all summer long. Non recycled outside fresh air is passed via super rigid media cooling pads which has an antibacterial coating which cleans the air from PM 10 pollutants. 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.





Intelligent Auto Cleaning Technology. Selectable 0-72 hours of self tank cleaning timer can be set 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.



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



Water level display technology. Displays real time water level in the tank and has water overflow protection valve installed.



Water Shortage Alarm. 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.



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.



Remote Cleaning Technology. Remote controlled self tank cleaning function. It restrain dust and bacteria accumulation, prevents scaling and provides smell & bacteria free air.



Digital Information Display. LCD panels displays real time air temperature and current status of the machine.

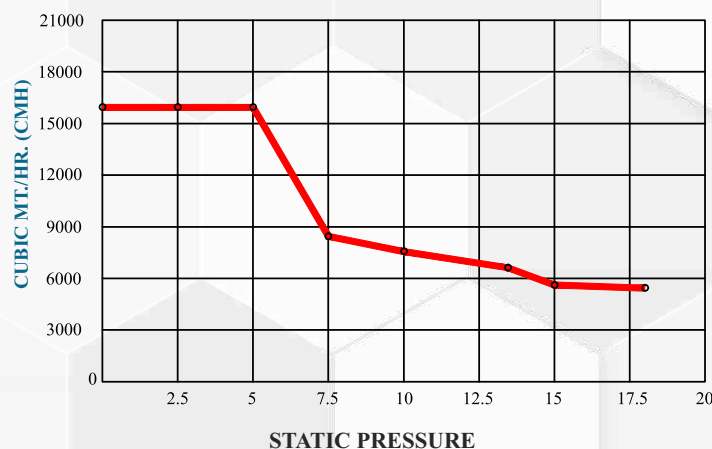


Super Smart Remote Controller. LCD touch screen panel with full features and controls.

Technical Specification

Description	Spec.	Description	Spec.
Air Flow	16000 CMH	Noise (db)	45 - 69
Air Pressure	160 PA	30 Liters	30 litres
Motor	HD Copper	Water Level Sensor	5.5 Amp.
Power(watts)	750 W	LCD Panelr	LCD T Panel
Phase	Single	Dimensions (wxhxd)	43x43x36 In
Speed	9	55KG	77 Kgs
Fan Type	Turbo axial	90KG	107Kgs

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.