

5G HYPER COOLER

Zero Noise Premium Applications.

TORNADO 20K

KAAVA®

Xtraordinary Quality Super Coolers

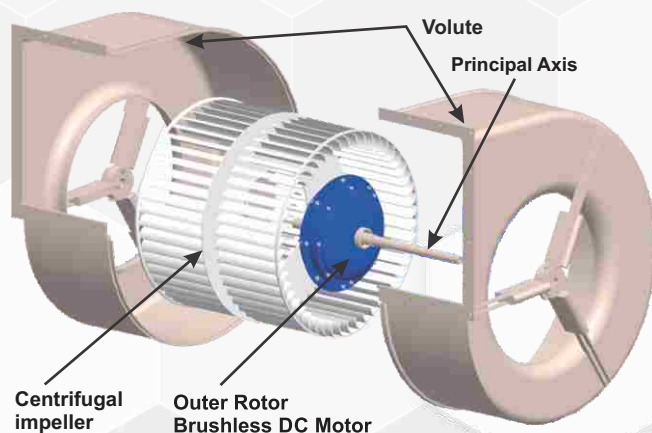


BND Body 'N' Design

Beautifully designed, strongest, durable, compact and lightweight engineered body cabinet. Made from high quality 100% virgin UV stabilized polymer. Slanted water tank design for ease of self cleaning. Maintenance free, rust free, shock free and deformation free quality.

Invertachill DD Motor

100% copper Direct Drive Brush less Direct Current Inverter Technology fan motor. Highest energy efficiency ratio, heavy duty, exceptional powerful and zero noise performance. Water proof, moisture proof, long life & negligible maintenance.



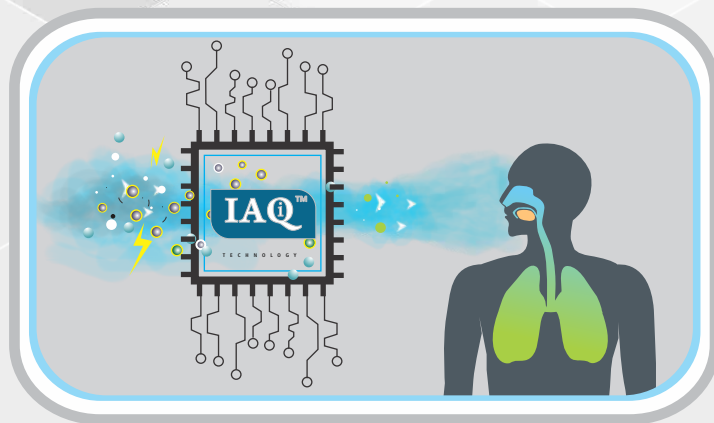
Advance Sensitech Blower

World's 1st lightest and quietest centrifugal blower fan made of ABS polymer. High static pressure, minimum running parts, maintenance free operation & great airflow upto 150 feet with upto 50% less noise than any other model.



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.



Up To
150
FEET
Airflow

15
YEAR
WARRANTY
ON SHELL



Available in
Top & Down
Air Discharge

LCD Remote Panel
With IR Remote



Salient Features -

Cooling Capacity Upto 20000 CMH

0 CMH 5000 10000 15000 20000 25000 30000

Area Coverage 1000 to 2500 SQFT

0 Sq. Ft. 500 1000 1500 2000 2500 3000

Cooling Efficiency Upto 95%

40 Percent. 50 60 70 80 90 100

24°C Air Delivery at Outside Temp 45°C & 10% RH

20 °Celsius 25 30 35 40 45 50

25-59 DB Ultra Quiet 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 PM10 to invade. Cooling media has an antibacterial, antifungal & anti microbial 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.



Quadraflow Cooling Technology A unique four dimensional air suction body design, with the largest cross section pad area to maximize the evaporation process, resulting in increasing the cooling Efficiency by up to 25% and moisture addition lower up to 50% than the conventional air coolers.



5th Generation Hyper Rigid Media Cooling Pads are made from virgin aspen wood in a new 4x4 intercross radiator pattern to deliver extreme cooling performance. Highest cooling efficiency of up to 95% and lowest humidity addition ratio in the Industry. Long life span up to 7 years.*



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



Humidity and Temperature Control Sensor The machine can automatically operate, switch on & off at desired temperature and humidity via installation of an optional module of HTC sensor.



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



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.



Integrated Water Distributor in the body itself. No hanging water pipes, no loose or risky water dripping from trays. Protection from water blockage & leakage risks.



On & Off Timer 24 X 7 days programmable timer for your super comfort and power savings.



Auto weather shield damper A shutter system which seals the air vent of the machine automatically when not operational. Prevents cold air drafts and dust to enter inside.



Memory Restart Function. Restarts the machine on last operational settings after a sudden power break.

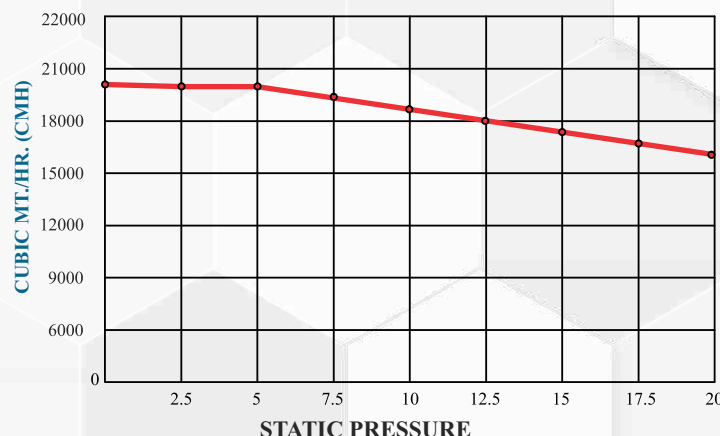


Smart Group Control Connect and Control upto 40 units by a smart hub and one remote.

Technical Specification

Description	Spec.	Description	Spec.
Air Flow	20,000 CMH	Noise (db)	25 - 59
Air Pressure	200 PA	Water Tank	30 litres
Motor	BLDC Copper	Rated Current	Yes
Power(watts)	300 - 1500	Remote Controller	LCD Panel
Phase	Single	Dimensions (wxdxh)	43x43x38 In
Speed	10	Net Weight	80 Kgs
Fan Type	C. Blower	Operating Weight	110 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	2.0	2.5	3.5	4.0	5.0	5.5	6.0	7.0	7.5
15	5.5	6.5	7.5	8.5	9	10	11	11.5	12.3
20	8	10	11	12.5	13.5	14.5	15.5	16.5	17
25	12.5	14	15	16.5	18	19	20	21	22
30	15.5	17.5	19	20.5	22	23	24.5	26	27
35	18	21	23	24.5	26.5	28	29.5	30.5	32
40	21	24.5	27	29	30.5	32.5	34.5	N/A	N/A
45	24	27	31	34	38	42	N/A	N/A	N/A
50	27	31	35	38	41	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.