

1500 Sq. Ft. Cooling at just ₹5 an hour.*

KAAVA®
Xtraordinary Quality Super Coolers



**Fresh & Cool
Air Like Forest**

5G



**RESIDENTIAL
HYPER COOLER**

7G



**SPECIALIZED
HYBRID COOLER**

4G



**COMMERCIAL
SUPER COOLER**

3G



**INDUSTRIAL
ECO COOLER**

**GREEN & COOL
INDOORS**

PAYBACK
PERIOD
3-6
MONTHS

Based on Power
Saving against AC

**15
YEAR
WARRANTY**
ON SHELL

IAQTM

Indoor Air Quality
Improvement Technology

A Vision For A Sustainable Future
And Climate Positive Development

www.kaava.in

Make Your Summers A Celebration.

7G
HYBRID COOLER

Ultra Cool Specialized Applications

DRYKOOL 2K/4K

Cool Airflow-2000/4000 CMH



MOP-2,99,900/-*

Available In Side Air Discharge

IAQ**0%**
HUMIDITY
ADDITION**Up To**
50
FEET
Airflow

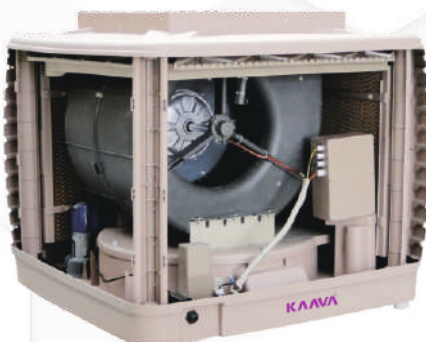
Area Coverage 300-900/500-1500 SQFT
Super Silent Operations 57/59 DB
Cooling Efficiency Upto 100%
Cool Air Delivery of 22°C at DB° 45°C & 10% RH

**Two Stage**
Cooling
Technology**Microprocessor**
Inverter
Technology**Hybrid**
Silicowood
Cooling Pads**Intelligent**
Auto Cleaning
Technology**5G**
HYPER COOLER

Zero Noise Premium Applications

TORNADO 20K

Cool Airflow-20000 CMH



MOP-1,99,900/-*

Available In Top & Down Air Discharge

IAQ**15**
YEAR
WARRANTY
ON SHELL**Up To**
150
FEET
Airflow

Area Coverage 1000 to 2500 SQFT
Zero Noise Operations 25-55 DB
Cooling Efficiency Upto 95%
Cool Air Delivery of 24°C at DB° 45°C & 10% RH

**Quadraflow**
Cooling
Technology**Microprocessor**
Inverter
Technology**Hyper Rigid**
Media
Cooling Pads**Intelligent**
Auto Cleaning
Technology**4G**
MEGA COOLER

Heavy Duty Industrial Applications

HURRICANE 35/50K

Cool Airflow-35000/50000 CMH



MOP-2,99,900/-*

Available In Side & Top Air Discharge

IAQ**15**
YEAR
WARRANTY
ON SHELL**Up To**
250
FEET
Airflow

Area Coverage upto 3000/5000 SQFT
Moderate Sound Operations 80/85 DB
Cooling Efficiency Upto 90%
Cool Air Delivery of 26°C at DB° 45°C & 10% RH

**Quadraflow**
Cooling
Technology**Pre**
Cooling
Technology**Super Rigid**
Media
Cooling Pads**Remote**
Cleaning
Technology**4G**
SUPER COOLER

Heavy Duty Multipurpose Applications

TURBO 25K

Cool Airflow-25000 CMH



MOP-1,29,900/-*

Available In Side, Top & Down Discharge

IAQ**10**
YEAR
WARRANTY
ON SHELL**Up To**
125
FEET
Airflow

Area Coverage 1200 to 2500 SQFT
Low Sound Operations 40-78 DB
Cooling Efficiency Upto 90%
Cool Air Delivery of 26°C at DB° 45°C & 10% RH

**Quadraflow**
Cooling
Technology**Microprocessor**
Inverter
Technology**Super Rigid**
Media
Cooling Pads**Intelligent**
Auto Cleaning
Technology**4G**
SUPER COOLER

Silent High Performance Applications.

TURBO 21K

Cool Airflow-21000 CMH



MOP-1,09,500/-*

Available In Top & Down Air Discharge

IAQ**10**
YEAR
WARRANTY
ON SHELL**Up To**
110
FEET
Airflow

Area Coverage 800 to 2100 SQFT
Silent Operations 35-65 DB
Cooling Efficiency Upto 90%
Cool Air Delivery of 26°C at DB° 45°C & 10% RH

**Quadraflow**
Cooling
Technology**Microprocessor**
Inverter
Technology**Super Rigid**
Media
Cooling Pads**Intelligent**
Auto Cleaning
Technology**4G**
SUPER COOLER

High Performance Multipurpose Applications.

TURBO 18K

Cool Airflow-18000 CMH



MOP-99,500/-*

Available In Top & Down Air Discharge

IAQ**10**
YEAR
WARRANTY
ON SHELL**Up To**
90
FEET
Airflow

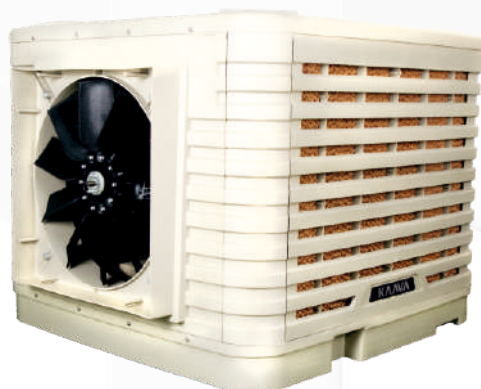
Area Coverage 500 to 1800 SQFT
Low Sound Operations 74 DB
Cooling Efficiency Upto 90%
Cool Air Delivery of 26°C at DB° 45°C & 10% RH

**Quadraflow**
Cooling
Technology**Microprocessor**
Triac
Technology**Super Rigid**
Media
Cooling Pads**Remote**
Cleaning
Technology

4G Premium Residential Applications

CYCLONE 16K

Cool Airflow-16000 CMH



MOP-1,09,900/-* Available In Side Air Discharge



Area Coverage 500 to 1500 SQFT
Low Sound Operations 44-69 DB
Cooling Efficiency Upto 90%
Cool Air Delivery of 26°C at DB* 45°C & 10% RH



3D Cooling Technology



Microprocessor Triac Technology



Super Rigid Media Cooling Pads



Remote Cleaning Technology

4G Multi Purpose Applications

THUNDER 10K-ss

Cool Airflow-10000 CMH



MOP-59,500/-* Available Top Air Discharge



Area Coverage 300 to 1000 SQFT
Super Silent Operations 50-70 DB
Cooling Efficiency Upto 90%
Cool Air Delivery of 26°C at DB* 45°C & 10% RH



Quadraflow Cooling Technology



Microprocessor Triac Technology



Super Rigid Media Cooling Pads



Auto Humidity Control Technology

4G Heavy Duty Industrial Applications

TOOFAN 19K

Cool Airflow-19000 CMH



MOP-79,500/-* Available In Top & Down Air Discharge



Area Coverage 800 to 2000 SQFT
Low Sound Operations 72 DB
Cooling Efficiency Upto 90%
Cool Air Delivery of 26°C at DB* 45°C & 10% RH



Quadraflow Cooling Technology



Remote Cleaning Technology



Super Rigid Media Cooling Pads



Trapeze Water Distributor Technology

3G High Performance Commercial Applications.

TYPHOON 23K

Cool Airflow-23000 CMH



MOP-89,900/-* Available In Side, Top & Down Discharge



Area Coverage 900 to 2300 SQFT
Low Sound Operations 65-75 DB
Cooling Efficiency Upto 80%
Cool Air Delivery of 28°C at DB* 45°C & 10% RH



Quadraflow Cooling Technology



Microprocessor Triac Technology



Cellulose Honeycomb Cooling Pads



Intelligent Auto Cleaning Technology

3G Economic Commercial Applications.

TYPHOON 20K

Cool Airflow-20000 CMH



MOP-74,500/-* Available In Top, & Down Air Discharge



Area Coverage 800 to 2000 SQFT
Low Sound Operations 75 DB
Cooling Efficiency Upto 80%
Cool Air Delivery of 28°C at DB* 45°C & 10% RH



Quadraflow Cooling Technology



Remote Cleaning Technology



Cellulose Honeycomb Cooling Pads



Trapeze Water Distributor Technology

3G Economic Commercial Applications.

TYPHOON 17K

Cool Airflow-17000 CMH



MOP-69,500/-* Available In Top, & Down Air Discharge



Area Coverage 700 to 1700 SQFT
Low Sound Operations 70 DB
Cooling Efficiency Upto 80%
Cool Air Delivery of 28°C at DB* 45°C & 10% RH



Quadraflow Cooling Technology



Remote Cleaning Technology



Cellulose Honeycomb Cooling Pads



Trapeze Water Distributor Technology

Why Choose Kaava ?

Fresh Air - No Stale & Recycled Air Like Ac.

Source Of Fresh, Filtered,cool, Oxygen Rich Air.

Lowest Investment - Air Cooling Plant Cost

Is A Fraction Of Ac Cost.

Huge Power Savings - Reduces Opex Cost Up To

90% Every Day , Every Month & Year After Year.

Highly Durable - Negligible Maintenance .

Green Cooling: Environmental & Ozone Friendly.

Improves Indoor Air Quality

Healthy Air : Nourishes Body & Skin.does Not Dry Air Or Irritate Your Skin,throat & Eyes.

Ideal For: All Those Places Or Open Spaces Where People Congregate & It Is Not Practical & Economical To Install Refrigerated Air Conditioning.

All In All: Evaporative Cooling Scores Over Refrigerated Air Conditioning In Low Capital Cost, Low Running Cost, Low Maintenance Cost, Zero Corrosion, Zero Health Disorders, Zero Global Warming, And A Fresh Environment.

Power Consumption Comparison Chart.

Kaava with Air Conditioner To Cool An Area Of 1500 Sq.Ft.
When Outside Temperature Is 45 C & Relative Humidity is 10%

Parameters	Kaava Cyclone 16	Air Conditioners
Area to be Cooled	1500 sq.ft	1500 sq.ft
Cooling Capacity Required	16000 CMH	6800 CMH (10 Tr)
Quantity Of Units Required	1 Pc	Min 5. Pcs of 2 Ton
Power Consumption @	0.75 KW	10 KW
CAPEX (Approx Investment)	Rs 1 Lakh	Rs 3 Lakh
Electricity Bill 1 Month (12 hours x30 Days x 8RSxPC(KW))	Rs. 2160/-	Rs. 28,800
Total Money Saving in a Year (8 Months usage)	Rs. 2,13,120/-	Rs- 00/-

Supply Air Temperature Chart-Generic

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.

Kaava Applications



Technical Specification		7G Hybrid Cooler	5G Hyper Cooler	4G Mega Cooler	4G - Super Coolers						3G-Eco Coolers	
Parameters	Units	DRYKOOL 2K/4K	TORNADO 20K	HURRICANE 35/50K	TURBO 25K	TURBO 21K	TURBO 18K	CYCLONE 16K	THUNDER 10K-SS	TOOFAN 19K	TYPHOON 23K	TYPHOON 20K/17K
Nomenclature		KHD-2K/4K	KDT-20-4T/4D	KDH-35/50-3D/4T	KDT-25-3D/4T/4D	KDT-21-4T/4D	KDT-18-4T/4D	KDC-16-3D	KDT-10-3D	KDT-19-4T/4D	KDT-23-3D/4T/4D	KDT-20Y/17-4T/4D
Air Discharge Type		Side	Down/Top	Side/Top	Side/Top/Down	Top/Down	Top/Down	Side	Top	Top/Down	Side/Top/Down	Top/Down
Air Delivery	CMH(M3/H)	2000/4000	20000	35000/50000	25000	21000	18000	16000	10000	19000	23000	20000/17000
Air Capacity	CFM	1175/2350	11765	20500/29500	14706	12353	10588	9412	5882	11176	13529	11765/10000
Static Air pressure	PA	30/50	165	300/500	250	190	200	160	120	200	230	210/180
Input Power Supply	V-Hz-Ph	220-50-1	220-50-1	415-50-3	220-50-1	220-50-1	220-50-1	220-50-1	220-50-1	415-50-3	220-50-1	220-50-1
Motor Power	KW	0.37/1.55	1.5	6.0/15.0	1.5	1.3	1.1	0.75	0.60	1.1	1.3	1.2/1.0
Rated Current	Ampere	1.7/6.8	1.0 - 6.5	11.5/30.5	1.2-7.0	0.8 - 5.5	5.6	4.6	3	2.9	4.0-7.5	7.0/5.2
Fan Speeds	Nos	10	10	1	50	12	10	10	5	1	2	1
Fan / Blower Type	Blwr/F	Centrifugal Blwr	Centrifugal Blwr	Centrifugal Blwr	Vane axial Fan	Turbo Axial Fan	Axial Fan	Vane axial Fan	Turbo Axial Fan	Turbo Axial Fan	Vane axial Fan	Axial Fan
Fan/Blower Size	mm	Ø355*158	Ø770*620	Ø700*695/895	620	620	600	500	600	620	620	600
Sound level @1 ft	db.(A)	57/59	25-55	80/85	40-78	35-65	74	45-69	50-70	72	65-75	75/70
Body Material		AMS GI PC	UV Polymer	Marine Aluminium	UV Polymer	UV Polymer	UV Polymer	UV Polymer	SS 304 Grade	UV Polymer	UV Polymer	UV Polymer
Cooling Pad Media	Cellulose	Hybrid Silicowood	Hyper Rigid 4x4	Rigid Media	Rigid Media	Rigid Media	Rigid Media	Rigid Media	Rigid Media	Rigid Media	Honeycomb	Honeycomb
Max Cooling Efficiency	upto %	100%	95%	90%	90%	90%	90%	90%	90%	90%	80%	80%
Cooling Pad Thickness	mm	1000	100	100	100	100	100	100	100	100	100	100
Surface Area of Cooling pad	Sq. mtr.	4.07	2.05	3.13/3.65	3.04	2.01	2.01	1.39	1.52	2.01	3.04	2.01
Water Consumption	Litres/Hr	15/25	15-30	60-90	20-35	15-30	15-30	15-25	10-20	15-30	15-30	15-30
Water tank Capacity	Litres	NR	30	66/98	30	25	25	25	50	25	30	25
Net wt./Operating Wt.	KG	150/170	103/140	500/700+100	90/130	77/107	75/105	55/90	48/98	75/105	85/120	75/105
Air Duct Mouth size	mm	500x150	660x660	843x747	700x700	660x660	660x660	550x550	560x560	660x660	700x700	660x660
MS Stand inner size	mm	875x825	1065x1065	1600x1750/1830	970x970	1065x1065	1065x1065	1000x1000	815x815	1065x1065	970x970	1065x1065
Dimension WxDxH	mm	820X895X1570	1150x1150x950	1847x1547x1560	1080x1080x1220	1120x1120x920	1120x1120x920	1030x1100x883	800X800X1125	1120x1120x920	1080x1080x1220	1120x1120x920
Container Qty (SKD)	40 HQ	30/20	45	7/6	55	65	65	75	100	65	55	65

1) Above All Technical Data Is Derived Under Ideal Test Conditions Of Db40 Deg. C & 10% Rh. 2) Due To Continuous Research/improvement Above All Specifications Are Subject To Change Without Prior Notice And Measurements May Vary Of The Specified Values. 3) Suitable water supply with TDS less than 400 ppm. 4) Warranty Coverage For All Electronic Parts Against All Kinds Of Manufacturing Defects Only. Kaava Recommends Must Use Of Protective Voltage Corrector And Lack Phase Protector, Spike Buster Etc. 5) Appearances/colour Of Products Depicted In The Catalogue Might Be Different Than The Original Models.

Corporate Office

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