

India's First Patented Hybrid Cooling Machine

PROPELLING THE FRONTIER OF
SCIENCE WITH INNOVATION...



ECO
FRIENDLY



SAVE 80%
ELECTRICITY



ECONOMICAL



Hybrid
Vaayu
Air
Cooling
Technology

Air Conditioner + Cooler = HVACT
Compressor Based Technology



Awarded as
SuperStartUp



EXCLUSIVE CHANNEL PARTNER



Transforming Imagination...

With the ever progressive evolution and modernization , a new age Alternative Technology termed as **Hybrid Vaayu Air Cooling Technology (HVACT)** has been uniquely designed and integrated.

Features

Reduces Power Consumption Upto 80% Against Similar Tonnage AC

Patented Aqua Kit With UV-C & Pre Water Filtration System

No Direct Heat Emission

Provides Instant Cooling During High Ambient Temperature

Induces Fresh Air In The Room

Consumes Less Water

Sustainable Low Noise

Hassle Free Ductable

Full Installation Support

Efficient After Sales Service

Applications



Industries



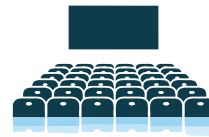
Hospitals



Schools / Colleges



Malls / Showrooms



Auditorium



Bungalows



Places of Worship



Restaurants



Warehouses



Commercial complexes

THE PROCESS

1

As soon as the power is switched on, the COMPRESSER starts and the refrigerant flows in the cooling coil to chill the water

2

Chilled water gets circulated on the Pads of the machine by PUMPS

3

Outside hot air comes in contact with the chilled water, the molecules present in the hot air loose the temperature and become chilled

4

THERMOSTAT helps to put the compressor on and off as per the requirement of the water temperature to be maintained and prevents the compressor from overheating.

5

CONDENSER cools down the refrigerant and helps in dehumidification of excess RH to control the humidity level

6

Chilled air is pushed inside the area where the unit is installed through a fan of the machine

COOLING REVOLUTION UNLEASHED !

Features:



UV water filtration:
Eliminates insects & mosquitos



Water saving by Fuzzy logic:
Environment-friendly cooling



Dust filter: Breathe clean &
fresh air every time



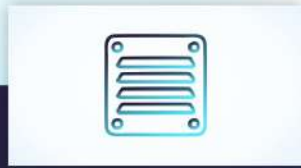
Water level & pump
protection sensor:
Smart & hassle-free cooling



Touchscreen display &
remote control: Effortless
precision cooling at your fingertips



Sustainable & low noise



PP body: Durability and
style combined



Top / Bottom vent :
Experience even air distribution



Variable speed*

T&C applied

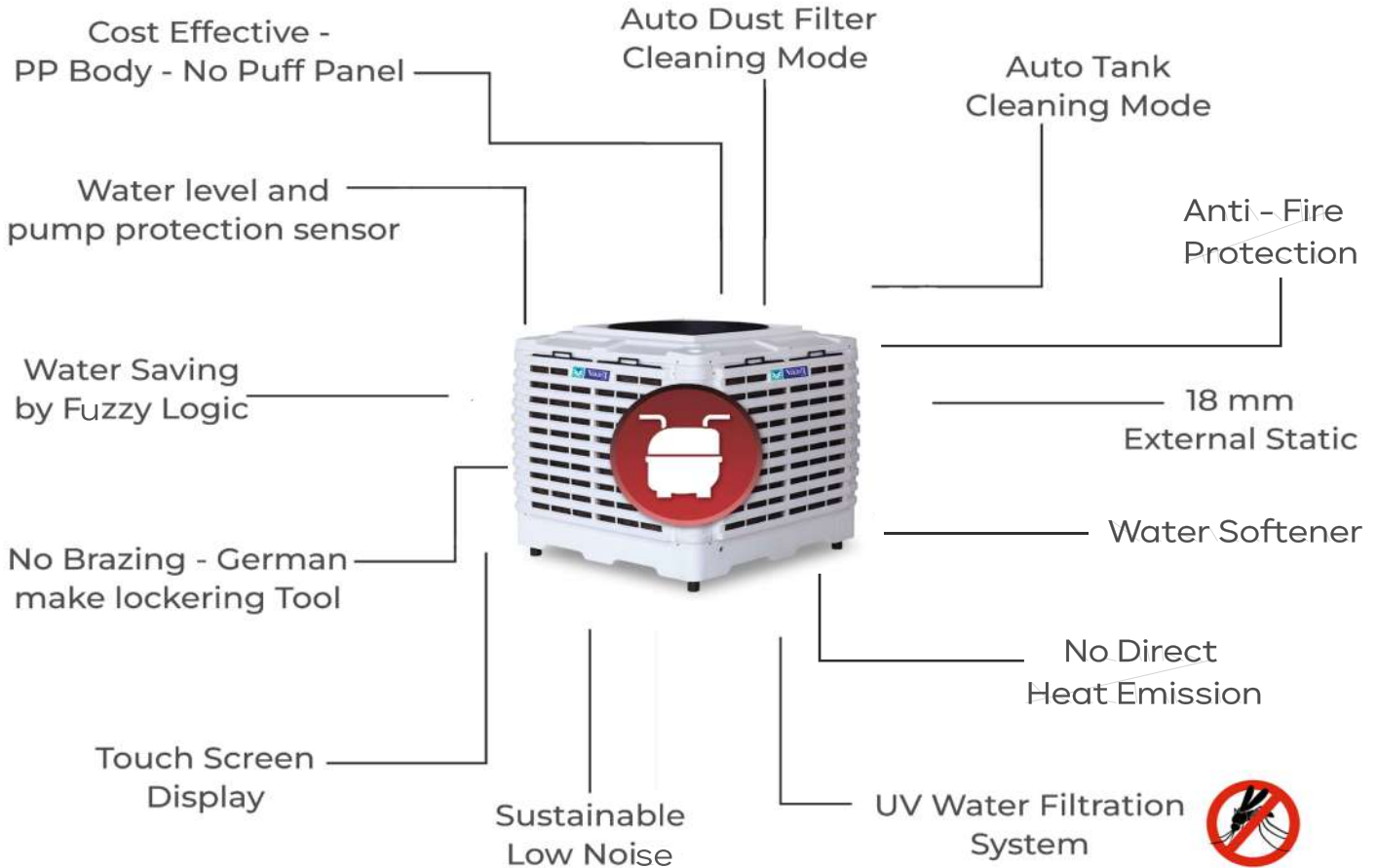


Transforming Imagination

Technology termed as Nano Multistage Hybrid Air Handling Unit has been uniquely designed and integrated.

Features

Hybrid Air Handling Unit



- ◆ Display of - a. Temperature | b. Power Consumption | c. CFM used | d. Error Code
- ◆ Full Installation Support
- ◆ Efficient After Sales Service

World's only cooling machine which generates Carbon Credits.

Applications



Models

DESCRIPTION	MIG 30	MIG 36	MIG 24	MIG 18
Coverage Area (Sq. ft.)	1000 Sq. ft.	1600 Sq. ft.	500 Sq. ft.	300 Sq. ft.
Machine (Tr)	10 Tr	16 Tr	5 Tr	3 Tr
CFM	10,000 CFM	16,000 CFM	5000 CFM	3000 CFM
Variable Speed	12	12	10	10
Power Supply	r	230V, 3PH, 50 Hz	230V, 1PH, 50 Hz	230V, 1PH, 50 Hz
Per Hour Power Consumption	1650 W	3250 W	800 W	600 W
No. of Compressors	2	2	1	1
Size (L x W x H)	3.6ft x 3.6ft x 3.6ft	4ft x 4ft x 4ft	3.6ft x 3.6ft x 3.6ft	3.6ft x 3.6ft x 3.6ft

Commercial Comparison

Vaayu MIG Range V/S Traditional AC

DESCRIPTION	Vaayu	AC
Coverage Area (Sq. ft.)	1000	1000
Air Cooling Required	10 Tr	10 Tr
Machine	MIG	10 Tr AC
Power Input (Watts) Per Machine	1650	10,000
Number of Machines	1	1
Per day (10 Hr.) Power Consumption (Watts)	16,500	1,00,000
Monthly Power Consumption (30 days) (Watts)	4,95,000	30,00,000
Units per Month (Watt/1000)	495	3000
Cost of Electricity INR	7	7
Monthly Bill (Approx)	3,465	21,000
Savings against AC	17,535	
Savings against AC (%)	83.5	

*T&C.: The data shared above is in tested condition.

Hybrid AHU Performance

Ambiant Temperature	Vaayu Performance
25°C to 30°C	Upto 18°C
30°C to 35°C	Upto 20°C
35 C to 40°C	Upto 22 C
40°C plus	24°C to 26°C

Our Prestigious Projects





Awards & Recognitions

Ranked as **SuperStartUp**
by SuperBrands India



Vaayu In Rhythm
with **Mr. A.R. Rahman**

SKOCH AWARD:
India's Best SME &
Order of Merit



Zee Business
Awards 2017 -
Business
Achiever

YOURSTORY
Meet The Power
Couple of India...



Selected under
Top innovations-
7th India
Innovation
Initiative

Mega Launchpad-
Most Innovative
Startup Award



Featured in
Top 100 Innovations of
India from 1947 to 2016
by Design Temple



Selected under
Startup India -
Standup India

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