

ADHUNIK

POWVERTECH[®]

QUALITY THAT SPEAKS



HVAC SOLUTION UNDER ONE ROOF

Toll Free No: 8287-885-885

WHO WE ARE?

Adhunik Cooling System (P) Ltd is a brand in the market of HVAC Systems that goes hand in hand with technology to provide services like heating, ventilation, air conditioning, and refrigeration.

The company was established in the year 2005 corporate office in DLF Corporate Greens, Sector-74a, Gurgaon (Haryana), presently it has its own three-story Manufacturing building in Plot no.98 Sec-9 IMT Bawal Distt.Rewari (Haryana) and in house R & D department.

Adhunik Cooling System (P) Ltd is a manufacturer of air cooling & air conditioning products, which available in the market with the brand Adhunik Powertech.

We offers a wide range of air cooling products like Ducted & Non Ducted industrial Air Cooler, Air Washer Unit, Portable Air Cooler, Axial Flow Fan, Exhaust Fan etc. and air conditioning products like- Panel Air Conditioner, Oil Chiller, Water Chiller etc.

WHY ADHUNIK POWERTECH'S PRODUCTS

- Manufacture of India's first stainless steel (304 grade) air washer & ducted air cooler
- Wide range of products from budget friendly to premium one
- Our products are cost effective & energy saving products
- Our products are Eco Friendly because they provide fresh outside air without harming the environment
- Standard 1 year warranty with 10 year spare parts supports
- Our products are made in India with best quality
- Our products are available all over the India and we export too

OUR CERTIFICATION



EXPORTED TO



Bangladesh



UAE



Saudi Arrbia



Iraq

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AIR WASHERS



HAILSTORM



STORM

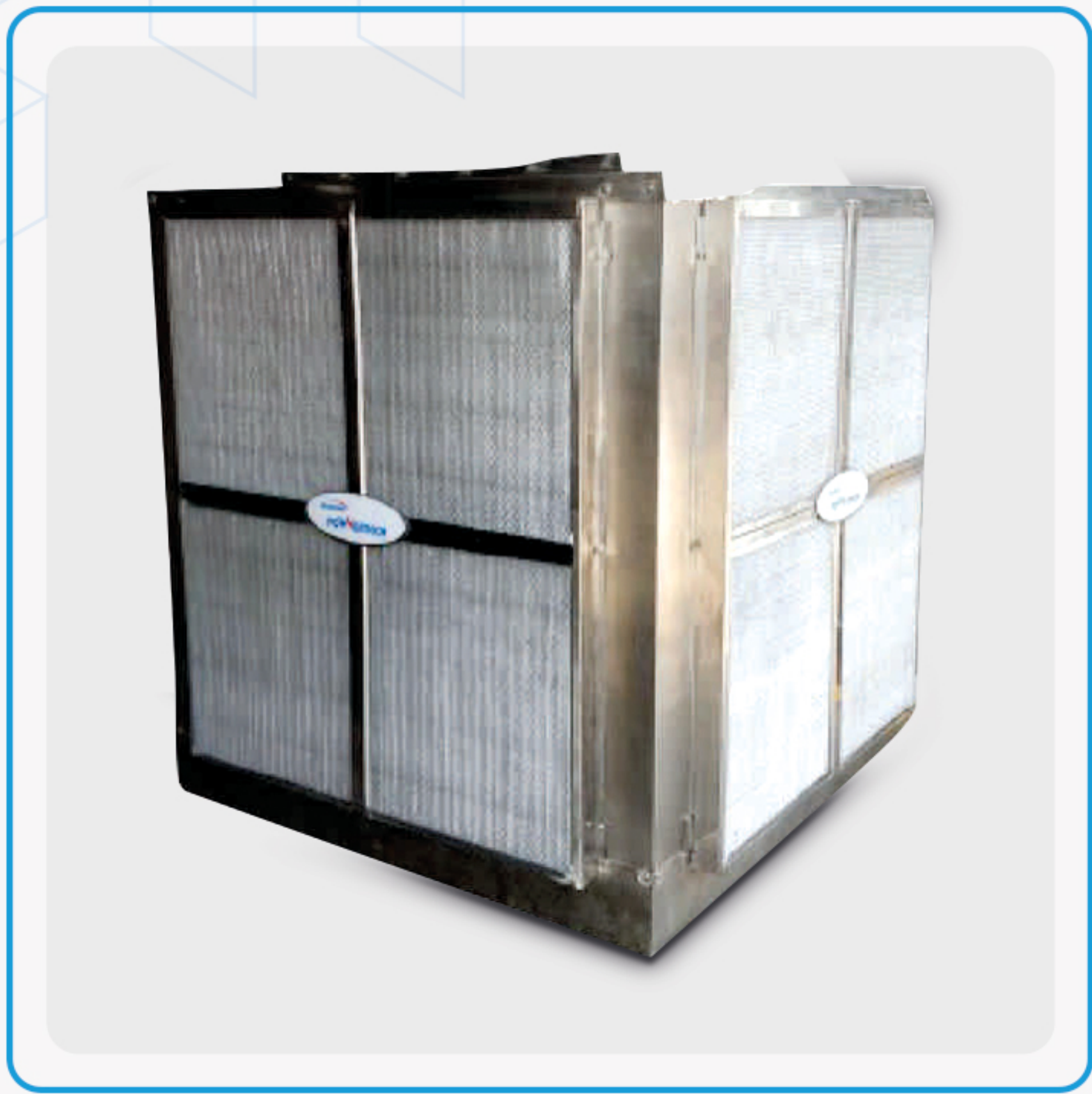
PRODUCT FEATURES

- India's first stainless steel (304 grade) air washer with 80% extra cooling pad and filter, model Hailstorm
- Model Storm, made of Galvanized steel. Its Entire floor area made with SS 304 with 20% extra cooling pad and filter
- Base frame having C channel with thickness of 3 mm to 5 mm
- It has an induction motor which is the TEFC Squirrel cage type and functions for 50/60 cycle, 415+10% volts with AC supply in 3 phase or 1 phase
- Water pump are made of SS 304 which are reliable & durable
- All spare parts have rust free anti cozen coating
- Customization Available

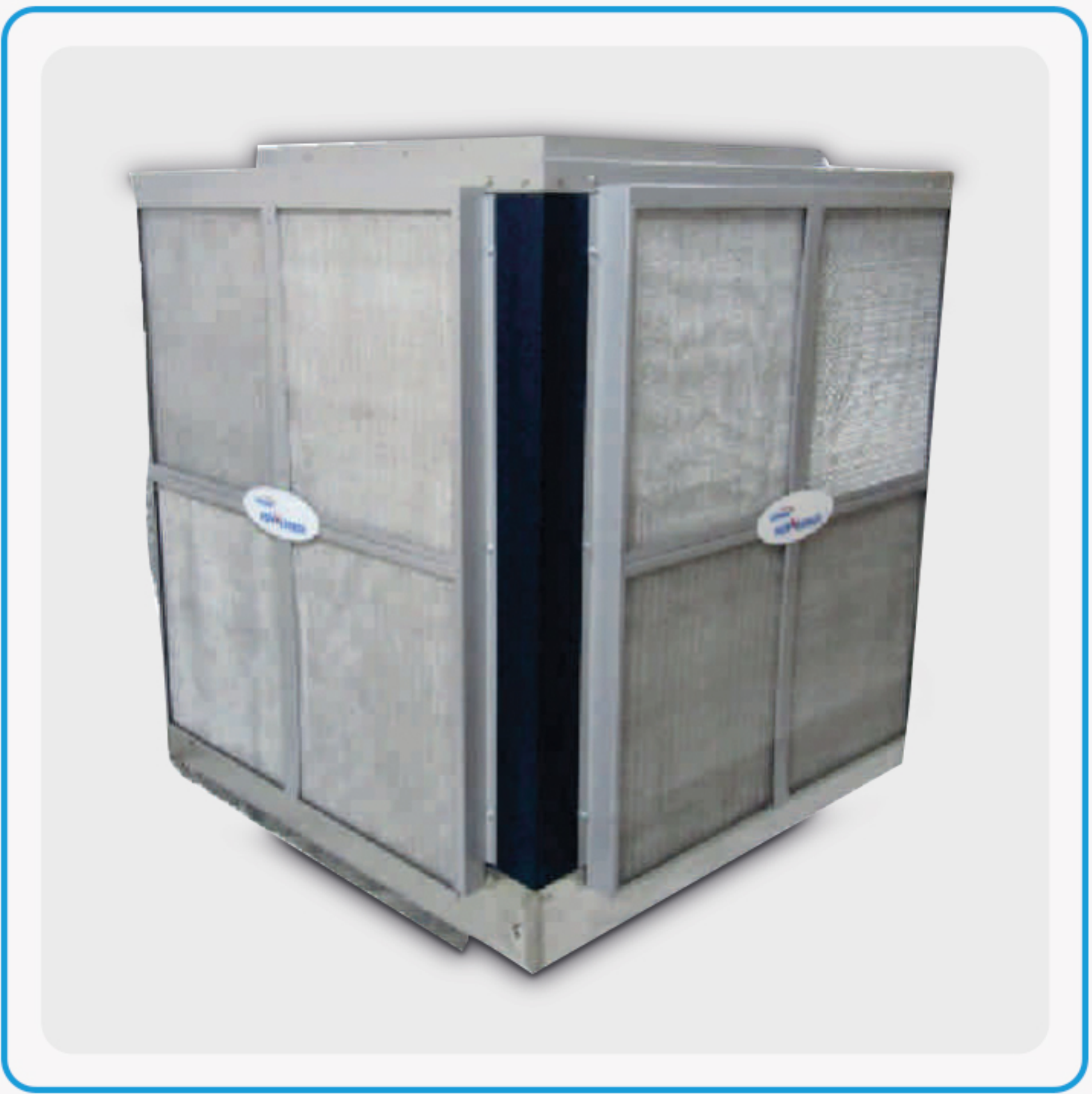
Note: Technical specifications of each air washer depends on customization & requirements

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DUCTED COOLERS



CYCLONE



HURRICANE



AIROSTA

- High air flow and long distance air delivery
- Washable Type Pre-Filter having efficiency of 90% down to 10 micron
- Four Side honeycomb / celdek pads with 100mm Thickness
- Axial flow fan of 30 inches diameter along with 9 blades
- Rust free stainless steel tank with larger capacity
- 100% copper wounded electric motor with three phase
- Saves energy and recover your investment in few months

TECHNICAL SPECIFICATION OF DUCTED AIR COOLERS

| Description | Cyclone | Hurricane | Airosta |
|------------------|----------------------|----------------------|----------------------|
| Body Material | Stainless Steel 304 | GI & SS304 | Poly-Propylene |
| Air Discharge | Top/Bottom Discharge | Top/Bottom Discharge | Top/Bottom Discharge |
| Air Volume | 40000 CMH | 40000 CMH | 40000 CMH |
| Motor Power | 4 kw | 4 kw | 4 kw |
| Power Supply | 380 v | 380 v | 380 v |
| Wind Pressure | 250~280 pa | 250~280 PA | 250~280 pa |
| Outlet Size | 900x900 mm | 900x900 mm | 900x900 mm |
| Filter | 16 no. | 16 no. | NA |
| Pad Thickness | 100 mm | 100 mm | 100 mm |
| Pad Surface Area | 50 sq.ft. | 50 sq.ft. | 40 sq.ft. |
| Noise | <=87 DB | <=87 DB | <=87 DB |
| Tank Capacity | 180 ltr | 180 ltr | 180 ltr |
| Water Pump Power | 100 watts | 100 w | 100 w |
| Cooling Effect | 3~18°C | 3~18°C | 3~18°C |
| Water Inlet | Mechanical | Mechanical | Mechanical |
| Fan Type | Axial | Axial | Axial |
| Weight | 175 Kg | 175 Kg | 125 Kg |
| Dimension | 1430x1430x 1535 (mm) | 1430x1430x 1535 (mm) | 1420x1420x 1320 (mm) |

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NON DUCTED AIR COOLERS



ALASKA MINI



ALASKA



SUPER ALASKA



THUNDER MINI



THUNDER

- 3 to 5 blades fans with 24 & 30 inches diameter respectively
 - High quality wheels with MS material stand
 - High Quality Honeycomb Pads
- Auto Drain
 - Zinc plated heavy grill
 - 150 to 250 ltr water tank

TECHNICAL SPECIFICATION OF NON DUCTED AIR COOLERS

| Parameters | Specification | Specification | Specification | Specification | Specification |
|--------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| Brand | Adhunik Powertech | Adhunik Powertech | Adhunik Powertech | Adhunik Powertech | Adhunik Powertech |
| Product Name | Alaska | Alaska Mini | Alaska Super | Thunder Mini | Thunder |
| Air Flow | 18000 CMH | 14000 CMH | 22000 CMH | 15000 CMH | 19000 CMH |
| Dimensions in mm (LxWxH) | 1143x609x1752 | 1003x1615x614 | 1120x1620x690 | 1181x596x1587 | 1404x660x1684 |
| Fan | Axial | Axial | Axial | Axial | Axial |
| Fan Blades | 3 | 4 | 5 | 4 | 3 |
| Fan Diameter | 30 inches | 24 inches | 30 inches | 24 inches | 30 inches |
| Material | PP | PP | PP | PP | PP |
| Motor Power | 600 watt | 490 watt | 750 watt | 490 watt | 600 watt |
| Pad Size (mm) | L 1195 x H 1105 | L 1280 x H 1000 | L 1105 x H 1105 | L 1075 x H 1055 | L 1155 x H 1285 |
| Pad Thickness | 100 mm | 100 mm | 100 mm | 100 mm | 100 mm |
| Usage | Industrial/ Commercial | Industrial/ Commercial | Industrial/ Commercial | Industrial/ Commercial | Industrial/ Commercial |
| Water Tank Cap. | 150 Ltr | 150 Ltr | 150 Ltr | 150 Ltr | 250 Ltr |
| Product Weight | 52 Kg. | 43 Kg. | 61 Kg. | 57 Kg. | 61 Kg. |

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PANEL AIR CONDITIONERS



TOP MOUNT



WALL MOUNT



STAND ALONE UNIT

FEATURES OF PANEL AIR CONDITIONING

- Wide range of products starts from 250 watt to 7000 watts
- Using eco friendly refrigerant R134a
- Hermetic sealed reciprocating with make of Emerson/Danfoss/Tecumseh
- Capacity of running 24 hours smoothly
- Low noise level & aesthetically appealing
- Compact design which save huge space
- MS powder coated body and SS 304 also available as per requirement
- Energy saving Microprocessor based controller which is easy to operate

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TECHNICAL SPECIFICATION OF PANEL AIR CONDITIONER

WALL MOUNT

| Capacity in Watt | | 250 Watt | 500 Watt | 1000 Watt | 1500 Watt | 2000 Watt | 2500 Watt | 3000 Watt | 3500 Watt | 5000 Watt | 7000 Watt |
|------------------|------------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Model No. | UNITS | WMS-025 | WMS-005 | WMS-0010 | WMS-0015 | WMS-0020 | WMS-0025 | WMS-0030 | WMS-0035 | WMS-0050 | WMS-0070 |
| Cooling Capacity | BTU | 853 | 1706 | 3413 | 5121 | 6824 | 8525 | 10352 | 12000 | 17064 | 24000 |
| Dimension in mm | H | 550 | 550 | 710 | 710 | 1220 | 1220 | 1400 | 1400 | 1500 | 1500 |
| | D | 290 | 290 | 390 | 390 | 257 | 257 | 395 | 395 | 545 | 545 |
| | W | 420 | 420 | 420 | 420 | 400 | 400 | 300 | 300 | 425 | 425 |
| Power Input | Watts/Amp. | 475/2.2 | 689/3.2 | 754/3.5 | 906/4.2 | 1010/4.4 | 1290/5.6 | 1405/6.5 | 1470/6.8 | 2115/9.2 | 2594/12 |
| Air-Flow | CMH | 68 | 68 | 221 | 221 | 320 | 485 | 544 | 595 | 1076 | 1326 |
| Gross Weight | KG. | 24 | 27 | 38 | 42 | 52 | 55 | 70 | 84 | 100 | 105 |

TOP MOUNT

| Capacity in Watt | | 250 Watt | 500 Watt | 1000 Watt | 1500 Watt |
|------------------|------------|----------|----------|-----------|-----------|
| Model No. | UNITS | TMS-025 | TMS-005 | TMS-0010 | TMS-0015 |
| Cooling Capacity | BTU | 853 | 1707 | 3413 | 5120 |
| Dimension in mm | H | 555 | 555 | 605 | 605 |
| | D | 438 | 438 | 463 | 463 |
| | W | 465 | 465 | 505 | 505 |
| Power Input | Watts/Amp. | 475/2.2 | 689/3.2 | 754/3.5 | 906/4.2 |
| Air-Flow | CMH | 68 | 68 | 221 | 221 |
| Gross Weight | KG. | 26 | 28 | 39 | 43 |

STAND ALONE

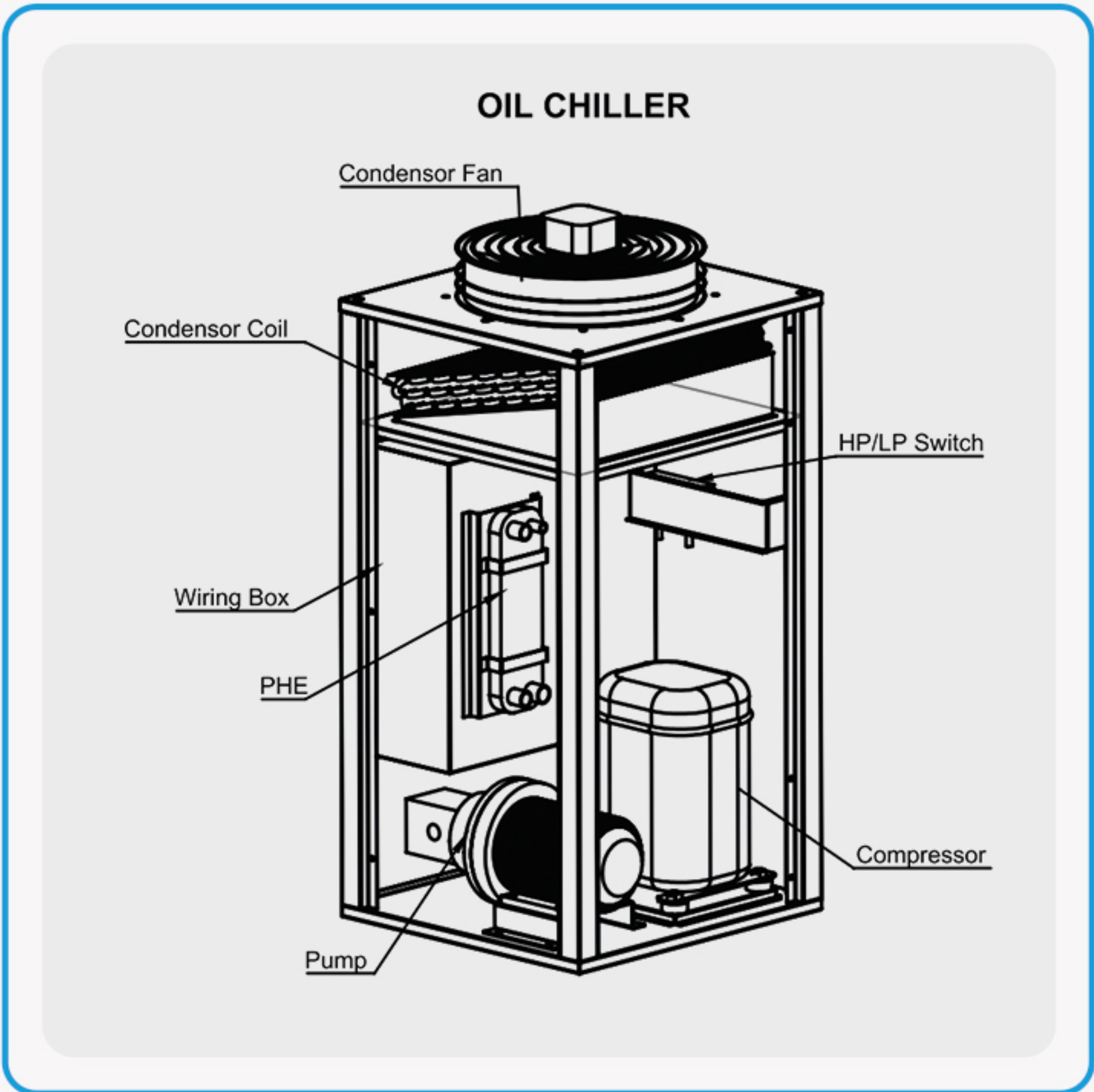
| Capacity in Watt | Parameters | 1000 watt | 1500 watt | 3000 watt | 3500 watt | 5000 watt | 7000 watt |
|------------------|------------|-----------|-----------|-----------|-----------|-----------|-----------|
| Model No. | UNITS | TMS-010 | TMS-015 | TMS-025 | TMS-350 | SMS-0050 | TMS-070 |
| Cooling Capacity | BTU | 3413 | 5121 | 10230 | 12000 | 17064 | 24000 |
| Dimension in mm | H | 710 | 710 | 1150 | 1400 | 1150 | 1500 |
| | D | 390 | 390 | 550 | 395 | 550 | 545 |
| | W | 420 | 420 | 550 | 300 | 550 | 425 |
| Power Input | Watts/Amp. | 754 /221 | 906 /4.2 | 1729/6.5 | 1405/6.8 | 2053/9.5 | 2594/12 |
| Air-Flow | CMH | 38 | 221 | 714 | 595 | 883 | 1326 |
| Gross Weight | KG. | 3.5 | 42 | 72 | 84 | 82 | 105 |

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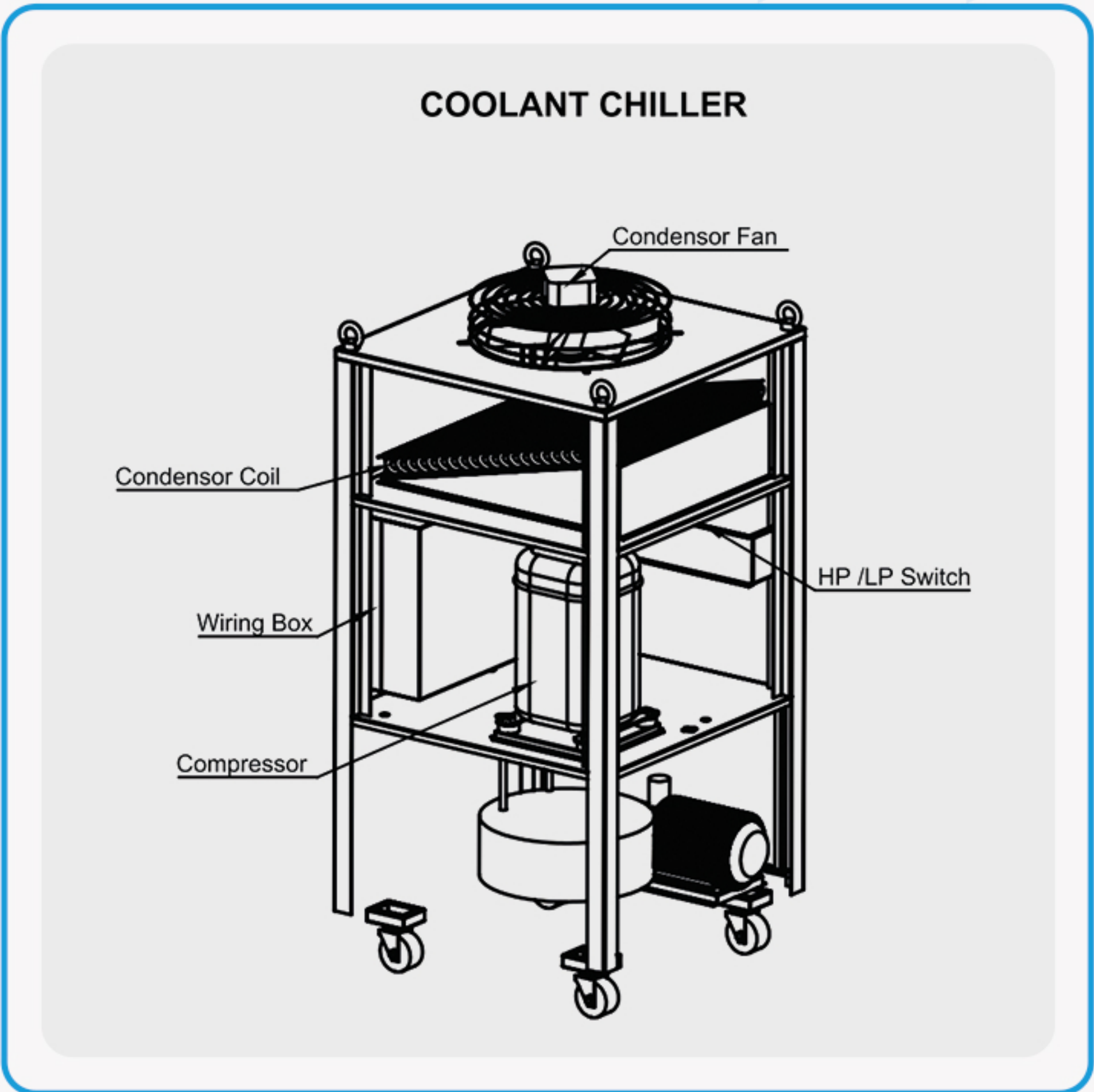
FEATURES OF OIL & COOLANT CHILLER



OIL/COOLANT CHILLER



INTERNAL VIEW OF OIL & COOLANT CHILLER



- Oil Temperature can be maintained between 25°C to 35°C
- Its usage to cool Coolant oil, Hydraulic oil, Spindle oil, Cutting oil
- PHE's are around 10 times compact, massive space saving
- The plate design facilitates turbulent flow for optimum heat exchange.
- Microprocessor based digital display controller
- High efficient compressor & pump for smooth & continues operation

TECHNICAL SPECIFICATION OF OIL & COOLANT CHILLERS

| Model No. | Cooling Capacity (Kcal/hr) | W | D | H | Refrigerant | Power | Pump LPM | No. of Refrigerant Circuit |
|---------------|----------------------------|-----|-----|------|----------------|----------------|----------|----------------------------|
| AOC-407-20C+T | 2000 | 600 | 600 | 1100 | 134a/R134-407C | 415V,50Hz, 3PH | 10 | 1 |
| AOC-407-30C+T | 3000 | 600 | 600 | 1100 | R-134a/R-407c | 415V,50Hz,3Ph | 15 | 1 |
| AOC-407-45C+T | 4500 | 750 | 750 | 1100 | R-134a/R-407c | 415V,50Hz,3Ph | 20 | 1 |
| AOC-407-60C+T | 6000 | 750 | 750 | 1100 | R-134a/R-407c | 415V,50Hz,3Ph | 30 | 1 |
| AOC-407-75C+T | 7500 | 750 | 750 | 1100 | R-134a/R-407c | 415V,50Hz,3Ph | 40 | 1 |

VENTILATION FANS



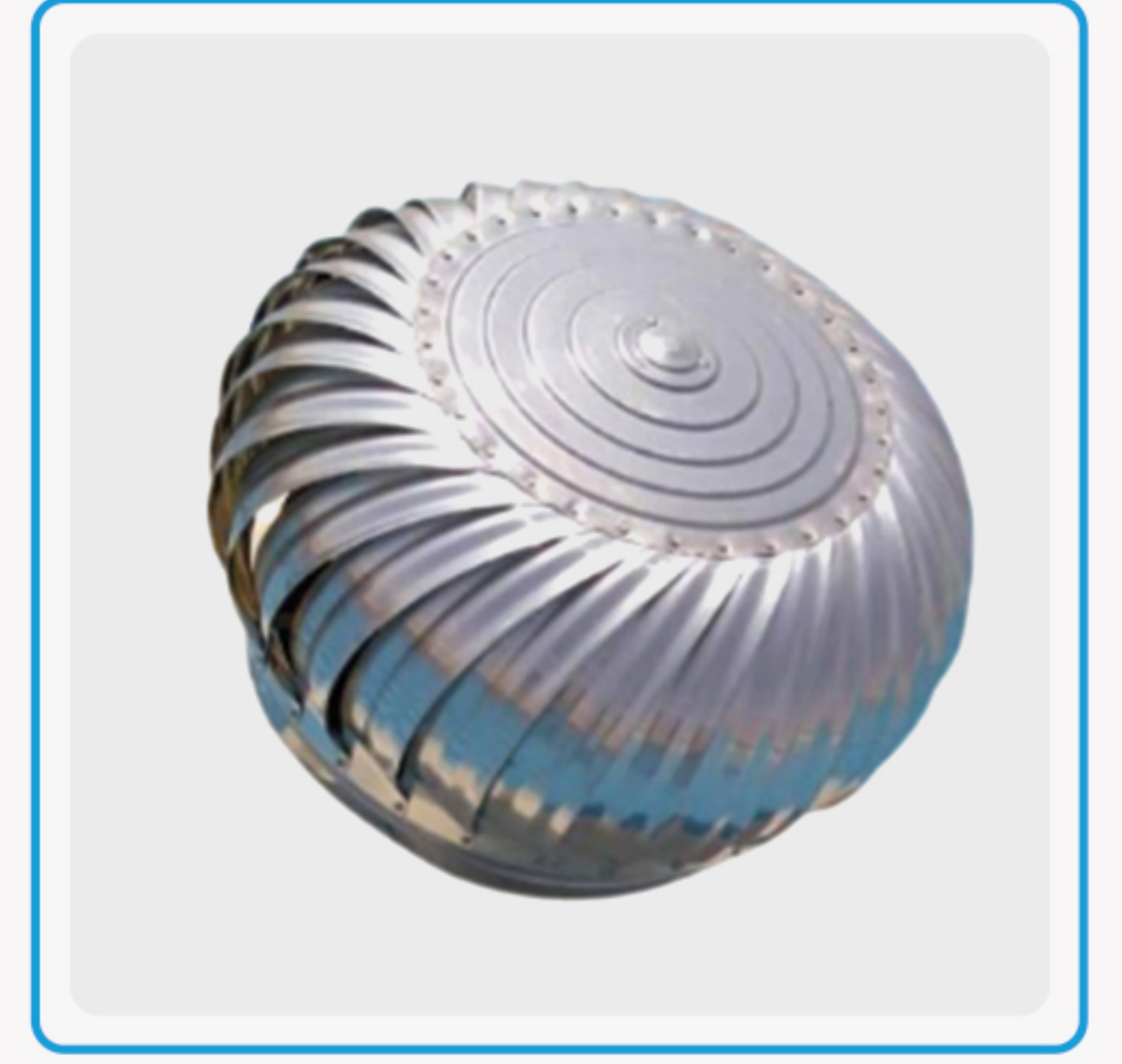
**AXIAL FLOW
FAN**



**EXHAUST FAN
(PP)**



**EXHAUST FAN
(SS)**



**TURBINE
VENTILATORS**

AXIAL FLOW FAN

- Suitable for basement ventilation, Big Kitchens Ventilation, Fresh air supply
- Die Cast Aluminum hub & blades
- Certified for 250°C up to two hours operation
- High performance Kirloskar/ABB IE-2 Motor
- Statically & Dynamically balanced with 8 number of fan blade
- Universal Vertical, Horizontal, Wall & Roof Mounting Arrangement
- Inbuilt bird screen & foot mounting

EXHAUST FAN

- High air flow, low noise, low energy consumption, durable which results to a stable operation
- Suitable for industries where continues welding work done and where high fumes, excessive heat, smoke etc. produce

TURBINE VENTILATOR

- Adhunik Powertech introduce you the India's first electric motor fitted turbine ventilators
- Recommended to industries where high fumes, humidity, heat, smoke etc. produce

TECHNICAL SPECIFICATION

AXIAL FLOW FAN

| Fan Diameter | 450 to 1600mm |
|-----------------------|--|
| Air Pressure | 3000 to 50000 |
| Static Pressure(mmWG) | Up to 40 |
| Fan Casing Material | Cold rolled steel |
| Impeller Material | Aluminium |
| Surface Finish | Painted |
| Mounting | Suitable for Wall, roof, Vertical and Horizontal |
| Bearing | Ball bearing |
| Blade Sweep | 900mm diameter |
| Motor (HP) | Up to 20 |
| Fan Speed(RMP) | 1440 to 960 |
| Warrenty | 12 months |

EXHAUST FAN

| Model No. | Exhaust – PP | Exhaust – SS |
|-------------------|---------------|-----------------|
| Air Volume (M3/H) | 20000 | 20000 |
| Related Voltage | 380V | 380V |
| Power (KW) | 0.75 | 0.55 |
| Dimension(mm) | 1060x1060x550 | 1100x1100x400 |
| Diameter | 900 | 950 |
| Blades | 6 | 6 |
| Material | Plastic | Stainless Steel |
| Speed(RPM) | 550 | 1400 |
| Noise (DBA) | <=48 | <=50 |
| Net Weight(KG) | 37 | 40 |
| Net Weight(KG) | 12 months | 12 months |

TURBINE VENTILATORS

| Description | Platinum |
|---------------|--|
| | GTPSS-610 |
| Turbine Dia | 760 mm |
| Throat Dia | 610 mm |
| Height | 460 mm |
| Vanes/Blades | 42 Vanes Thickness 0.5mm, ALKY 8011 H2 |
| Base Ring | Stainless Steel 430, Thickness 0.5mm |
| Top Plate MOC | Aluminium thickness 1.2 mm Alloy 8011 H2 Aluminium Thickness 0.5mm |
| Rotation | Twin Sealed 6000ZZ bearings & self lubricating bush of Dupont Zytel 101L Polyamide 66 resin to ensure frictionless rotation even at lowest wind velocity |
| Center Shaft | Stainless Steel, 12 mm |
| Inner Arms | M.S with powder coating |
| Outer Arms | Stainless Steel |
| Center Pipe | M.S with elctro zinc palting |
| Weight (Kg) | 8 |

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AIR SHOWER



- Adhunik Powertech’s air shower is a space that uses high-velocity jets, much like a fume hood, to eliminate contaminants from anyone entering or exiting a cleanroom
- These air showers connect to a HEPA filtration system for maximum efficiency. Absolute filter-fan module provide positive pressurization and filtration down to 99.97% efficiency on 0.3 micron.
- These air showers comes with standard door interlocking system and customization can be done as per requirement
- These air showers are available in SS 304 and Powder Coated GI material

TECHNICAL SPECIFICATION OF AIR SHOWER UNIT

| Basic Information | Specification | |
|---------------------------|---|------|
| Dimension in mm | W | 1480 |
| | D | 1500 |
| | H | 2145 |
| Number of Nozzels | 15 Nos. | |
| Fluorescent Lamp | 01 Nos. | |
| Material of Construction. | Stainless Steel 304 Grade/Powder Coated GI | |
| Max. Power | 3.0 Amp. | |
| Electrical Motor | IE2 /IE3 /Flame Proof. | |
| Motor | 2Hp /3Hp | |
| Entry | Human Only/ Human & Trolley Movement/ Material Movement | |
| Number of Users/Cycle | 01/02/03/04/05.....100 | |
| Flooring | Required/Not Required | |
| Application | Pharmacy/Auto/Electronics/Others (Specify) | |
| Input Power Available | 440v/50Hz. | |

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PROUDLY SERVED TO

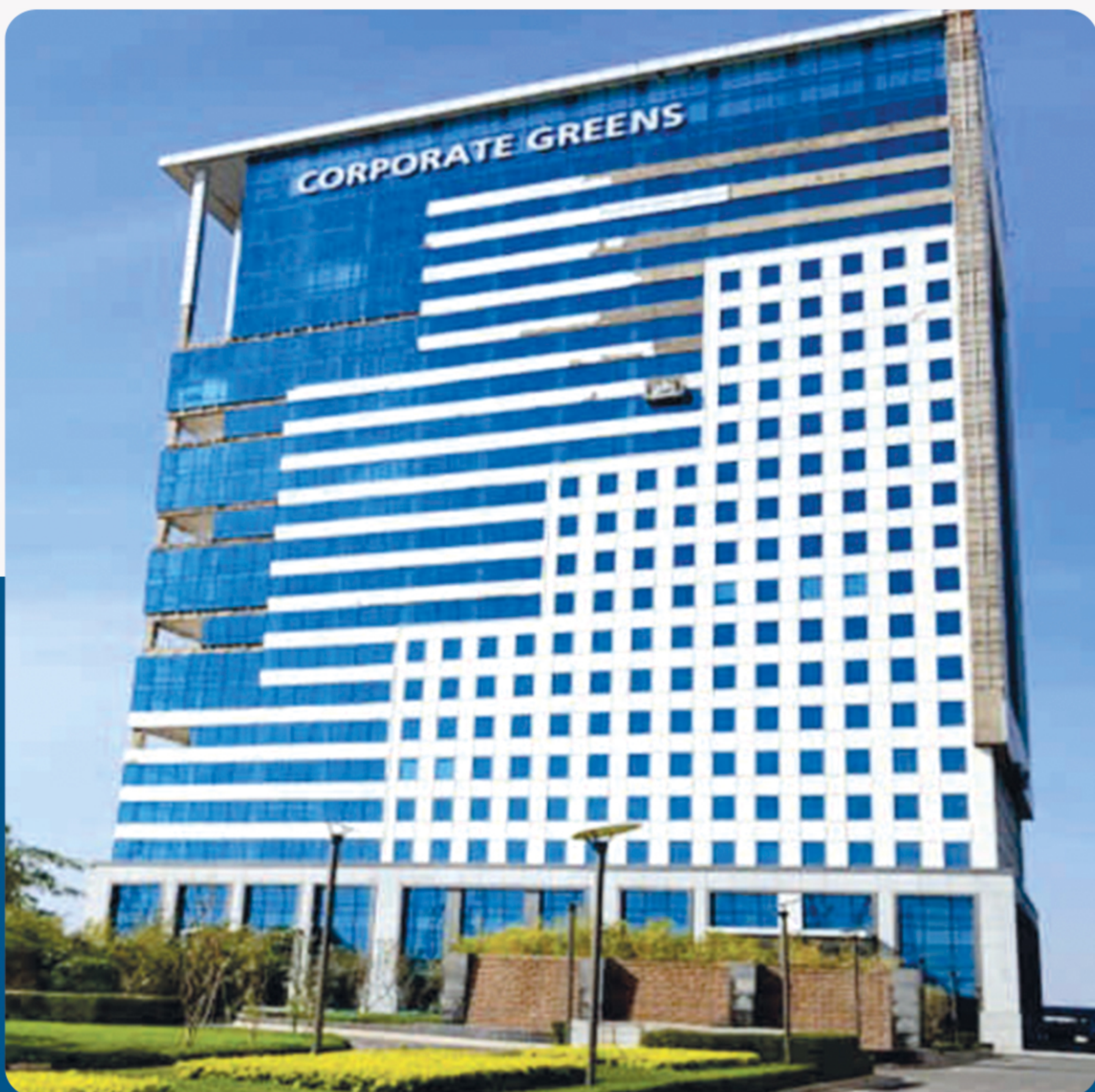
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ADHUNIK

POV[®]ERTECH

QUALITY THAT SPEAKS



CORPORATE OFFICE
DLF CORPORATE GREEN (GURGAON)



MANUFACTURING PLANT
BAWAL (HARYANA)

REACH OUT TO US

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