



HEATING | VENTILATION | AIR CONDITIONING SYSTEM

# Reliable Air Conditioning Solutions That Guarantee Lasting Performance.

Engineered for Comfort Driven by Reliability.





## About US

- **Serving 2,000+ Clients Across Residential, Commercial, and Industrial Segments.**
- **10+ Years of Focused Expertise in Cooling and Climate Innovation.**

At **AirServe Engineering**, is driven by a team of dedicated professionals who are committed to delivering reliable, efficient, and innovative climate solutions. We provide end-to-end expertise—from design to robust after-sales support—ensuring peak performance for every client, across all segments.

**AirServe Engineering** is recognized for setting the standard in climate control. We specialize in engineering and delivering precision cooling for every environment—from private residences to large-scale industrial projects. This legacy is reinforced by our partnership as an Authorized Dealer for leading brands, ensuring both reliability and quality.



# Why Us?



## Our Vision

To drive innovation in climate control, delivering precision and efficiency across every segment with unmatched, long-term operational reliability.



## Our Mission

Our mission is to execute every project with technical excellence, ensuring superior client satisfaction and long-term reliability in climate control.



## Our Goal

To sustainably expand our leadership and become the first-choice provider for reliable, custom-engineered cooling solutions across all sectors.



## Committed to Excellence

**Guaranteed Excellence** We are committed to achieving excellence in every service. Our 21+ years of experience combined with our status as an Authorized Dealer ensures reliability and quality. We are driven by the principles of precision, efficiency, and earning long-term client trust.

# Our Services

## Comfort Applications (Home & Office)

We engineer personalized climate solutions using a comprehensive range of systems (Split, Cassette, Tower, VRF, Ducted). Our expertise ensures efficient, reliable performance and precise, zone-specific cooling tailored for optimal comfort in your home or office.



## Institutional Segment

Institutional Segment We provide reliable, high-efficiency HVAC solutions specifically designed for institutional demands (Hotels, Schools, Offices). Our systems ensure seamless multi-zone cooling, optimized energy performance, and superior air quality for staff and patrons alike.



## Industrial Segment

Industrial Segment Trusted experts in industrial climate control. We provide end-to-end high-capacity HVAC and refrigeration, focusing on precise cooling, optimized air quality, and the long-term reliable performance required by manufacturing and logistics sectors.



# Our Products



**High Wall Split AC**



**Window AC**



**Cassette AC**



**Tower AC**



**Central Airconditioning**



**VRF Systems**

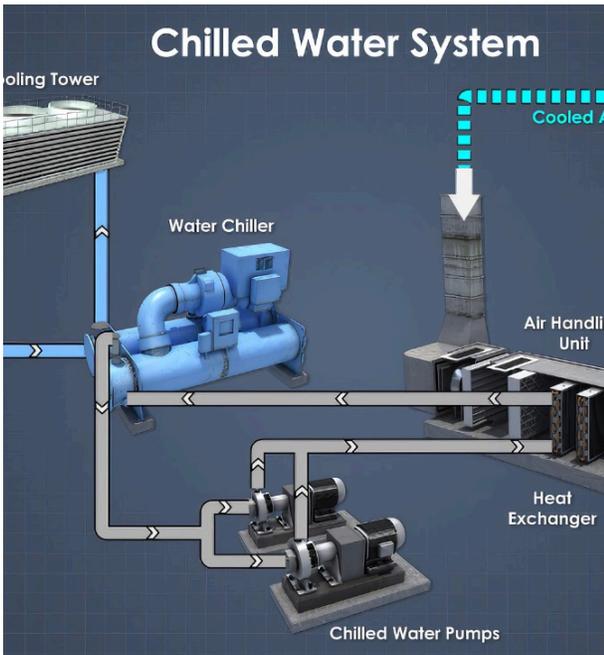
# Our Products



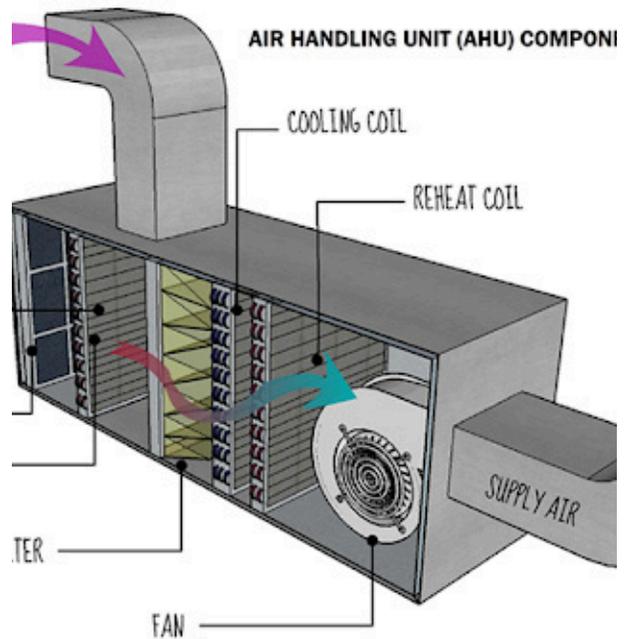
**Ducted Splits AC**



**Package Air Condition**



**Chilled Water System**



**AHU System  
(Air Handling Unit)**

# Our Products



**Walk-in Cold/Freezer Room**



**Aircon Area**



**Mechanical Ventilation System**

# High Wall Split AC

**High Wall Split AC** An effective, versatile cooling solution for individual rooms in homes, offices, and institutions. These units provide consistent, zone-specific cooling with low noise levels and high energy savings, making them a smart choice for comfort.

## Product Profile & Key Features:

- **Format:** Two-piece system with a sleek indoor evaporator unit and a robust outdoor condensing unit.
- **Aesthetics:** Discreet, low-profile design that seamlessly integrates into modern interiors; only the stylish air handler is visible indoors.
- **Key Advantage:** The outdoor placement of the compressor ensures exceptional tranquility and comfort inside the room.
- **Efficiency:** Utilizes advanced inverter technology for variable speed operation, resulting in significant energy savings and reduced utility costs.
- **Functionality:** Equipped with intelligent features such as programmable timers, sleep modes, and precise, fine-tuned temperature control.
- **Ideal Application:** Perfect for residences, individual hotel rooms, small offices, and any area requiring high efficiency and localized climate control.



**Trust us for expert installation and dependable, full-scope warranty support, ensuring guaranteed, reliable comfort and optimal AC performance in every space.**

- **Precision Installation:** Meticulous setup and seamless integration for guaranteed long-term efficiency and performance.
- **Guaranteed Support:** Dependable maintenance and rapid, full-scope repair service fully aligned with manufacturer warranties.

# Window AC

Window AC Valued for its straightforward design and ease of use, this all-in-one unit provides an efficient, economical cooling solution for individual rooms, apartments, and small commercial spaces, ensuring reliable performance.

## Product Profile & Key Features:

- **Format:** A fully self-contained unit that houses all components, eliminating the need for external piping.
- **Installation:** Fastest setup time, designed to fit seamlessly into standard window or wall openings.
- **Cost-Effectiveness:** Lowest initial investment, providing immediate and highly cost-effective localized cooling.
- **Maintenance:** User-friendly design offers straightforward access for servicing, simple filter changes, and reduced repair time.
- **Durability:** Known for resilient, reliable operation and strong cooling output even in challenging conditions.
- **Ideal Application:** Perfect for small residential spaces, rental properties, auxiliary rooms, or any application prioritizing budget and simplicity.



## At AirServe Engineering, we specialize in:

- **Safe Installation** – Meticulous fitting into the wall or window aperture with precision sealing to prevent air leaks and guarantee maximum system efficiency.
- **System Overhaul** – Deep cleaning and maintenance to remove debris, optimize air filtration, and significantly extend the unit's operational lifespan.

Deal for small shops, apartments, and auxiliary spaces, our Window AC solutions provide fast, dependable, and essential spot cooling where you need it most.

# Cassette AC

Cassette AC Designed for seamless integration into the ceiling void, these units are ideal for open-plan institutional lobbies and large commercial spaces. They provide a powerful, multi-directional airflow that ensures uniform temperature distribution and reliable, effective cooling across the entire zone.

## Product Profile & Key Features:

- **Format:** The indoor unit is installed entirely above the false ceiling, leaving only a minimalist decorative panel visible below.
- **Air Distribution:** Unique 360-degree or four-way airflow configuration guarantees even temperature distribution and draft-free comfort across the entire cooling zone.
- **Design Integration:** Maximizes usable wall space and blends discreetly with the ceiling, fully preserving the room's architectural design.
- **Functionality:** Advanced pumps and sensors ensure reliable drainage and highly accurate climate control.
- **Efficiency:** Highly efficient operation for large, single zones, actively eliminating uneven cooling and preventing localized hot spots.
- **Ideal Application:** The preferred solution for retail showrooms, large boardrooms, restaurants.



## At AirServe Engineering., we specialize in:

- **Concealed Integration** – Expert installation ensures the unit is perfectly flush with the ceiling, with optimal drain routing for zero visibility and enhanced interior aesthetics.
- **Airflow Balancing** – Meticulous air vane adjustment guarantees draft-free, uniform cooling across the entire space.

For retail floors, hotel lobbies, banquet halls, and large institutional spaces, our Cassette AC solutions guarantee an ideal balance of elegant aesthetics, consistent comfort, and powerful cooling performance.

# Tower AC

**Tower AC (Floor Standing)** Characterized by their powerful airflow and high cooling capacity, these units are robust solutions for challenging environments. They are ideal for spaces where traditional wall mounting is impractical, such as large commercial floors or temporary industrial setups.

## Product Profile & Key Features:

- **Format:** Vertical floor-standing indoor unit connected to a separate outdoor condensing unit.
- **Capacity:** Engineered for very high tonnage and powerful air delivery, effectively reaching large distances and far corners..
- **Placement Flexibility:** Requires no complex structural alterations (wall or ceiling), allowing for easy installation and rapid relocation when needed.
- **Service Access:** Components are easily accessible via the front panel, simplifying maintenance and reducing service time without ceiling disruption.
- **Air Delivery:** Provides a powerful, concentrated column of air, ideal for quickly mixing and cooling large volumes of air.
- **Ideal Application:** Perfect for banquet halls, factory corners, and large event setups needing high-tonnage spot cooling.



## At AirServe Engineering , we specialize in:

- **Capacity Sizing** – Detailed cooling load calculation for high-ceiling or dynamic environments to guarantee effective temperature reduction and optimal energy use.
- **Hassle-Free Setup** – Quick deployment and connection to the outdoor unit, providing powerful spot cooling with zero structural alteration to the existing facility.

# Central Air Conditioning

**Central Air Conditioning** We deliver highly efficient, centralized cooling systems essential for large commercial and institutional complexes. These solutions ensure uniform thermal stability and streamlined management for multi-floor offices, educational facilities, and expansive retail centers.

## Product Profile & Key Features:

- **Format:** Large-scale centralized cooling plant (DX or Chilled Water) connected to a precisely engineered air distribution network.
- **Key Advantage:** Provides precise, consistent temperature and humidity regulation across the entire facility from a single source.
- **Scalability:** Designed to efficiently manage massive and sustained cooling loads, easily scalable for future building expansion.
- **Efficiency:** Allows for unified monitoring and management, optimizing energy consumption across the entire building envelope for maximum savings.
- **Discretion:** All major equipment and distribution lines are fully concealed, preserving interior aesthetics and usable floor space.
- **Ideal Application:** The essential climate solution for high-rises, malls, and large campuses.



## At AirServe Engineering., we specialize in:

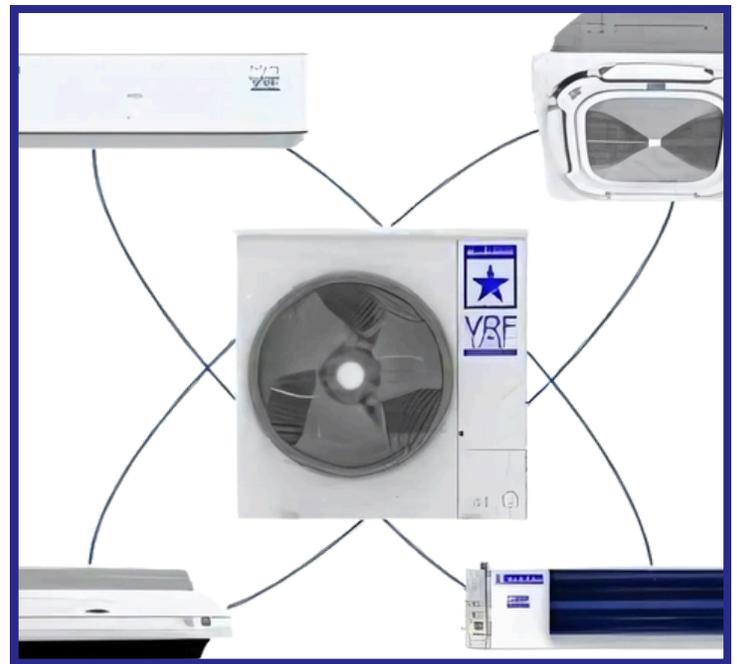
- **System Architecture Design** – Full engineering and detailed load calculation to determine the optimal infrastructure (Ducted Splits, Package Units, or Chilled Water systems).
- **Seamless Integration** – Expert coordination and installation of all major components into a quiet, efficient, and fully cohesive central climate network.

# VRF SYSTEMS

**VRF Systems** The premier modern solution for multi-zone buildings (hotels, boutique offices, large residential complexes). This highly sophisticated, direct-expansion system utilizes inverter technology to precisely regulate refrigerant flow, guaranteeing customized comfort in every zone while delivering maximum energy savings.

## Product Profile & Key Features:

- **Format:** A single outdoor unit connected to multiple individual indoor units (up to 60 or more) via a compact refrigerant piping network.
- **Key Advantage:** Variable speed compressors drastically reduce energy consumption, providing substantial cost savings.
- **Zoning Control:** Allows for simultaneous heating and cooling in different building zones from one system.
- **Installation:** Requires minimal ductwork, simplifying integration and making it highly suitable for retrofit projects in existing structures.
- **Flexibility:** Offers a wide variety of indoor unit styles (Cassette, High Wall, Ducted) that can be easily mixed and matched for customized aesthetics and performance.
- **Ideal Application:** The leading choice for large multi-zone buildings with variable thermal demands.



**At AirServe Engineering , we specialize in:**

- **Mitsubishi Excellence** – As an Authorized Dealer for leading brands, we deploy cutting-edge VRF technology to guarantee system reliability and optimal performance.
- **Pipework Optimization** – Meticulous installation and calibration of refrigerant lines to maximize system efficiency and eliminate pressure loss.

**For zones requiring granular climate control and maximum energy savings, our VRF Systems are the definitive, high-efficiency solution.**

# Ducted Splits AC

**Ducted Splits AC** The premier choice for high-end homes, banks, and mid-sized offices that demand seamless aesthetics and uniform comfort. This system achieves total concealment by housing the indoor unit above the ceiling, distributing quiet, conditioned air through architecturally integrated vents.

## Product Profile & Key Features:

- **Format:** Consists of an outdoor unit connected to a high-capacity, ceiling-concealed indoor unit via refrigerant lines.
- **Aesthetics:** Only minimalist air grilles are visible; bulky equipment and noise sources are completely concealed, ensuring a pristine interior aesthetic.
- **Air Quality:** Facilitates seamless integration with specialised filters and purification units for optimal health and air quality.
- **Uniformity:** Provides even, balanced air temperature across the entire area, actively eliminating hot/cold spots and ensuring consistent comfort.
- **Scalability:** Powerful enough to cool large, multi-zone residences to entire mid-sized commercial floors with a single system.
- **Ideal Application:** The premium solution for high-end residences, corporate suites.



## At AirServe Engineering, we specialize in:

- **Custom Duct Design** – Precision duct engineering guarantees every vent delivers the correct air volume silently and efficiently.
- **Acoustic Treatment** – Implementing specialized noise reduction techniques to ensure the concealed indoor unit and airflow remain whisper-quiet in all occupied spaces.

**Ducted Splits** are the definitive choice for a powerful cooling solution that seamlessly blends premium performance with pristine interior design.

# Package Air Condition

**Package Air Conditioner** A robust, high-capacity, self-contained solution engineered for demanding, large-volume environments like warehouses, factory floors, and expansive retail complexes. The efficient "all-in-one" design houses the entire refrigeration cycle within a single, durable outdoor cabinet.

## Product Profile & Key Features:

- **Format:** All major refrigeration and air handling components are contained within a single, self-contained cabinet (typically mounted on a rooftop or ground slab).
- **Installation:** Less labor-intensive and faster to install than complex central systems, requiring only simple duct connections and power access.
- **Reliability:** Built to withstand harsh outdoor conditions and expertly handle demanding, constant cooling loads without interruption.
- **Maintenance:** Centralized outdoor components streamline service, reducing downtime and internal disruption.
- **Application:** Provides powerful, focused cooling via ductwork for large, open single-zone climate management.
- **Ideal Application:** The robust solution for manufacturing, large retail, and high-demand industrial workshops.



## At AirServe Engineering, we specialize in:

- Detailed sizing to precisely determine the tonnage required to overcome thermal gain in expansive, high-ceilinged industrial and commercial spaces.
- Duct Interface –Expertly connecting the outdoor package unit to the duct network, guaranteeing a secure seal and maximum airflow delivery to the conditioned space.

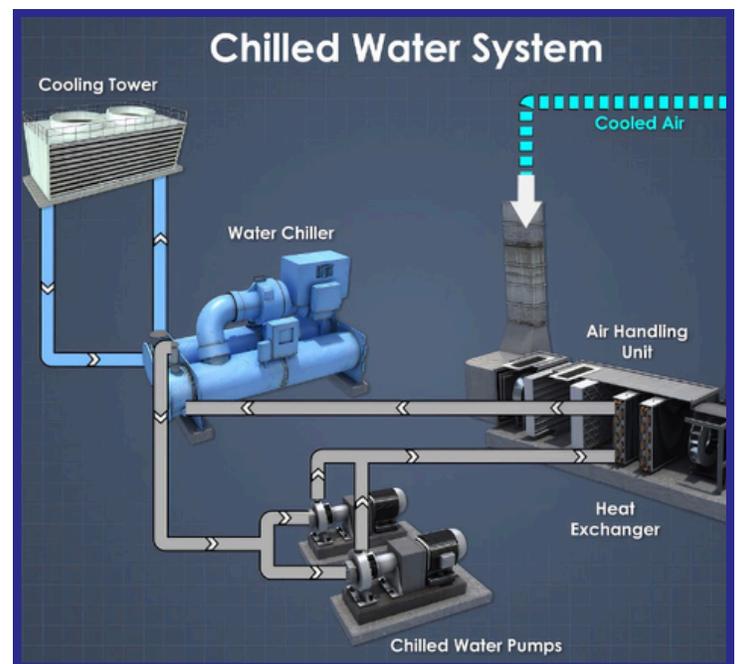
**Rely on our Package Air Conditioner service for dependable, high-volume cooling in your most demanding industrial and commercial zones.**

# Chilled Water System

**Chilled Water System** The critical infrastructure for meeting the massive, sustained cooling demands of major facilities like hospitals, large university campuses, and large-scale industrial plants.

## Product Profile & Key Features:

- **Format:** Composed of a central Chiller Plant (Chiller, pumps, cooling tower) and a complex distribution network of water piping connected to AHUs/FCUs.
- **Key Advantage:** Provides the highest tonnage cooling available, engineered for massive, sustained loads and the longest operational lifespan in the industry.
- **Efficiency at Scale:** Highly energy efficient for massive, constant cooling loads and effective heat transfer over long distribution distances.
- **Safety:** Keeps refrigerant contained solely within the central plant, circulating only safe chilled water to all occupied areas.
- **Management:** Facilitates unified monitoring and precise climate control for the entire complex from a single point.
- **Ideal Application:** The robust solution for Airports, high-rise towers.



## At AirServe Engineering, we specialize in:

- **Chiller Sizing & Installation** – Expertly selecting and installing industrial-grade Chillers, leveraging our proven track record of installing 10,000+ tons of cooling capacity.
- **Piping & Commissioning** – Meticulous piping and welding guarantees flawless system start-up and long-term operational integrity.

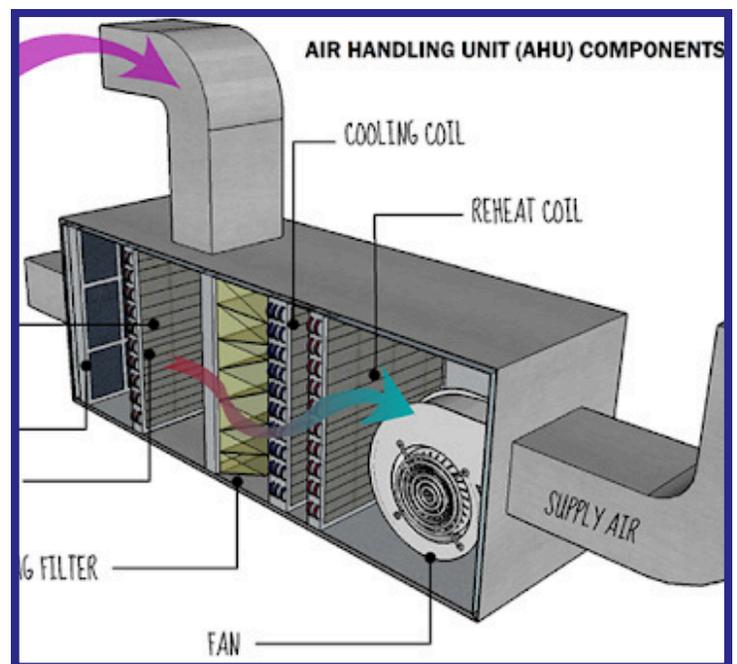
**We provide the engineering excellence required to deploy robust, centralized, and highly efficient Chilled Water Systems.**

# AHU System (Air Handling Unit)

**AHU System (Air Handling Unit)** The critical component in Central AC and Chilled Water Systems, essential where superior air quality and non-negotiable temperature control are paramount.

## Product Profile & Key Features:

- **Format:** A large, self-contained unit housing fans, cooling coils, advanced filters, dampers, and air mixing chambers.
- **Primary Function:** Filters, cools (via chilled water), dehumidifies, and manages the precise mixing of fresh outdoor air with return air.
- **Air Quality Control:** Facilitates the integration of specialized filters (e.g., HEPA) to achieve the most stringent air cleanliness and infection control standards.
- **Air Distribution:** Robust fans overcome high static pressure, ensuring powerful, uniform air delivery across vast duct networks.
- **Ideal Application:** Essential for Operating Theatres, Clean Rooms, Data Centers, and areas demanding strict environmental control.



## At AirServe Engineering, we specialize in:

- **Custom AHU Specification** –Expertly tailoring the AHU's coils, filtration stages, and construction materials to meet unique process, hygiene, and regulatory requirements.
- **Ventilation & Pressure Management** – Advanced engineering ensures precise air pressure management between critical zones (e.g., operating rooms).

We provide the expertise to integrate high-performance AHU Systems that guarantee a clean, controlled, and precise indoor environment.

# Walk-in Cold/Freezer Room

Walk-in Cold/Freezer Room Custom-built refrigeration solutions essential for food processing, logistics, pharmaceuticals, and hospitality. These insulated structures provide controlled, large-volume storage (above or below freezing), guaranteeing product integrity and compliance with rigorous safety standards.

## Product Profile & Key Features:

- **Format:** Features modular, heavily insulated panel construction with a dedicated, high-capacity industrial refrigeration unit.
- **Temperature Range:** Cold Rooms provide stable temperature control (typically 0°C to 5°C); Deep Freezer Rooms reach critical low temperatures (down to -40°C).
- **Key Advantage:** Critical Bulk Preservation: Guarantees the long-term integrity and freshness of high-volume, temperature-sensitive goods.
- **Customization:** Fully customizable in dimensions, capacity, and features (doors, shelving) based on your product load and workflow.
- **Ideal Application:** Essential infrastructure for food logistics, pharmaceutical storage, and large-scale retail supply chains.



## At AirServe Engineering, we specialize in:

- **Thermal Design & Sizing** – Detailed calculation guarantees consistent, energy-efficient temperature stability.
- **Panel & Door Integrity** – Expert construction, sealing of all insulated panels, and vapor barriers to prevent leaks and maximize long-term thermal efficiency.

Trust our expertise for the installation of critical refrigeration infrastructure, ensuring both the safety of your valuable inventory and strict operational compliance.

# Aircon Area

**Aircon Area (Industrial Zone Cooling)** This specialized service involves managing and conditioning designated zones within factories, warehouses, and industrial units that require cooling beyond standard comfort levels. Distinct from process cooling,

## Product Profile & Key Features:

- **Format:** Utilizes robust systems (Ducted Splits, Package Units, or VRF) engineered to handle higher thermal loads and larger cubic volumes than typical commercial units.
- **Key Advantage:** Maintains a stable environment to prevent heat stress on personnel and safeguard heat-sensitive electronics or materials.
- **Load Management:** Systems are precisely sized to efficiently handle significant internal heat gains originating from heavy machinery, industrial lighting, and production processes.
- **Air Distribution:** Solutions are engineered to deliver conditioned air effectively across large, open industrial floors or through challenging high-ceiling structures.
- **Ideal Application:** Essential for Industrial Assembly, Quality Control Labs, and IT Server Rooms requiring stable, precise temperatures.



## At AirServe Engineering, we specialize in:

- **Heat Load Analysis** – Detailed analysis of process heat and machinery output to accurately size tonnage for guaranteed effective cooling.
- **Durable Equipment Selection** – Specifying rugged cooling units built to withstand the dust, vibration, and harsh conditions of industrial environments.

**We provide tailored solutions to ensure your industrial and manufacturing spaces are cooled efficiently and reliably, maximizing both comfort and uptime.**

# Mechanical Ventilation System

**Mechanical Ventilation System** The essential infrastructure for controlling Indoor Air Quality (IAQ), managing airflow, and guaranteeing safety in all commercial, institutional, and industrial buildings.

## Product Profile & Key Features:

- **Format:** Consists of powerful supply/exhaust fans, specialized ductwork, air intake/outflow louvers, and precision dampers, operating separately from the cooling system.
- **Key Advantage:** Actively removes stale air, humidity, and contaminants (fumes, dust), guaranteeing compliance with local building codes for Air Changes per Hour (ACH).
- **Pressure Control:** Used to meticulously create positive or negative air pressure relationships in specific zones to contain or isolate contaminants.
- **Ideal Application:** Essential infrastructure for Parking Basements, Commercial Kitchens, Chemical Storage, and general commercial spaces requiring continuous, regulated fresh air intake.

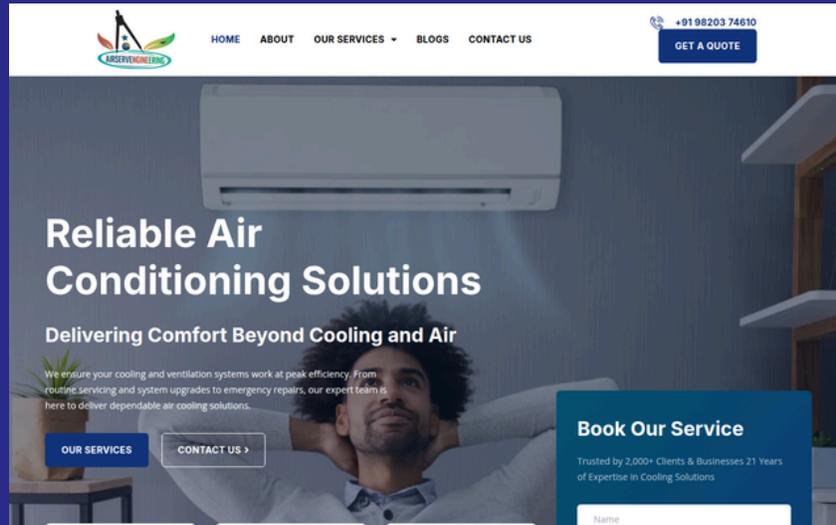


## At AirServe Engineering, we specialize in:

- **Air Change Calculation** – Precisely engineering the system to meet specific industry standards for Air Changes per Hour (ACH), guaranteeing health, safety, and regulatory compliance.
- **Fume/Exhaust Design** – Installation of dedicated, chemically resistant exhaust systems for the safe removal of industrial contaminants.

Trust us to design and install compliant, effective ventilation systems that secure the health of your occupants and guarantee the longevity of your facility.

# CONTACT US



## Let's keep in touch

Connect with AirServe Engineering for professional updates, expert advice, and the latest in reliable climate solutions!

**Call:** +91 98203 74610

**Email:** [info@airserve.in](mailto:info@airserve.in)

**Email:** [shakeel@airserve.in](mailto:shakeel@airserve.in)

**Address:** Unit No. G-6, Ground Floor, Tirupati Udyog Premises Co. Op. Hsg society, Opp. H.P. Petrol Pump, I.B. Patel Road, Off Western Express Highway, Goregaon (East), Mumbai-400063



[www.airserve.in](http://www.airserve.in)