

Hitachi VRF Cooling System

Variable Refrigerant Flow Technology

Precision comfort. Intelligent efficiency.
Engineered for India's climate.

Explore:

[hitachi vrf cooling system](#)

[Hitachi 5-star inverter split ac](#)

Energy
Saving

Multi-Zone
Control

Smart
Inverter

5-Star
Rating

Silent
Operation

What is a VRF Cooling System?

Variable Refrigerant Flow — reimagining large-scale comfort

Variable Refrigerant Flow (VRF) is an advanced HVAC technology that uses refrigerant as the cooling and heating medium. Unlike traditional central air systems, VRF allows multiple indoor units to be connected to a single outdoor unit, each independently controlled to deliver precise temperature management across large buildings.

01

Refrigerant Circulates

Through copper piping connecting outdoor to multiple indoor units

02

Variable Flow Rate

Outdoor unit adjusts refrigerant flow based on real-time load demand

03

Independent Zone Control

Each indoor unit sets its own temperature without affecting others

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Hitachi VRF — Key Features

Engineered for performance, built for India

Inverter Compressor

Variable-speed compressor adjusts output continuously, eliminating energy spikes and delivering up to 40% energy savings vs conventional systems.

Wide Capacity Range

From 8 HP to 96 HP outdoor units, Hitachi VRF scales effortlessly for offices, hotels, hospitals, and large commercial spaces.

Long Piping Length

Up to 165 m total piping length and 50 m height difference between outdoor and indoor units — perfect for high-rise buildings.

Smart BMS Integration

Seamless connection to Building Management Systems with centralised monitoring, scheduling, and remote diagnostics via the web.

Ultra-Low Noise

Outdoor units operate as quietly as 52 dB(A) and indoor units from just 22 dB(A) — virtually silent in occupied spaces.

Eco-Friendly R32/R410A

Uses environment-responsible refrigerants with lower GWP, meeting India's green building and energy compliance standards.

Explore the full range: [hitachi vrf cooling system](#)

Hitachi 5-Star Inverter Split AC

Premium cooling. BEE 5-star rated.
Maximum energy savings for homes.



BEE 5-STAR RATED

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[hitachi vrf cooling system](#)

Capacity Range

0.75 TR – 2.0 TR

Ideal for bedrooms, living rooms & offices

ISEER Rating

Up to 5.20

Among the highest in India for split ACs

Inverter Tech

Variable Speed

Compressor adjusts to exact cooling load

Auto Clean

Self-cleaning filter

Prevents mould & keeps coil hygienic

Wi-Fi Control

Smart App ready

Control from anywhere via Hitachi
SmartHome app

Turbo Cool

Rapid Cooling mode

Reaches set temperature 30% faster

VRF System vs Split AC — Which Suits You?

Choose the right Hitachi solution for your space

	Hitachi VRF System	Hitachi 5-Star Inverter Split AC	Best For
Application	Commercial buildings, high-rises, campuses	Homes, small offices, shops	Small space → Split AC Large space → VRF
Capacity	8 HP – 96 HP (multi-zone, up to 64 units)	0.75 TR – 2.0 TR (single room)	Large multi-room → VRF
Energy Rating	Inverter, up to 40% energy savings	BEE 5-Star (ISEER 5.2) high efficiency	Both are inverter-based
Installation	Complex piping, professional setup required	Simple wall mount, fast install	Quick start → Split AC
Control	Central BMS / App, zone-by-zone control	Remote + Wi-Fi SmartHome App	Smart home → Split AC BMS → VRF
Cost	Higher initial CAPEX, lower long-term OPEX	Lower upfront cost, good long-term savings	Budget-first → Split AC

VRF Systems: [hitachi vrf cooling system](#) | Split ACs: [Hitachi 5-star inverter split ac](#)

Applications & Energy Performance

Where Hitachi VRF delivers the greatest impact

Hotels & Hospitality

Independent room control minimises waste in unoccupied rooms, cutting bills by 35–45%.

Hospitals & Healthcare

Quiet, precise zoning maintains sterile environments and patient comfort 24/7.

Corporate Offices

Floor-by-floor zoning and BMS tie-in reduces energy use across entire buildings.

Retail & Malls

High-capacity outdoor units serve hundreds of indoor cassettes from rooftop plant rooms.

Industrial Facilities

Robust units handle extreme ambient temperatures up to 52°C, built for Indian summers.

Energy Savings at a Glance

40%

Less energy vs
non-inverter systems

Up to 5.2

ISEER — highest BEE
rating for split ACs

52°C

Max ambient temp
operating capability

165 m

Maximum refrigerant
piping length (VRF)

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CHOOSE YOUR HITACHI COMFORT SOLUTION

Experience the Future of Cooling

From single-room split ACs to enterprise-scale VRF systems —
Hitachi delivers precision, efficiency, and reliability.

VRF Cooling Systems

Multi-zone commercial cooling
for large buildings & campuses

[Explore VRF Range →](#)

<https://www.hitachiaircon.com/in/ranges/vrf-sy...>

5-Star Inverter Split AC

BEE 5-star rated home cooling
with smart Wi-Fi control



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