

TECHNOLOGY NEXT



IAPL GROUP

Vision for a Global Perspective

“Our determination to conduct business on a global scale is supported by, and reflected in, a fundamental philosophy: utilization of inherent business acumen & technological expertise accumulated over more than 40 years to assess changes that occur with the passage of time while continuously developing previously unexplored areas.



Shri. Jeevan Singh Chouhan
Chairman

Company Philosophy

We firmly believe that simple & direct method of operation brings about confidence in doing business more cohesively which strengthens our relation with our Dealers, our Channel partners in growth. Our increased involvement & deep collaboration with our Channel Partners makes the business simpler.”



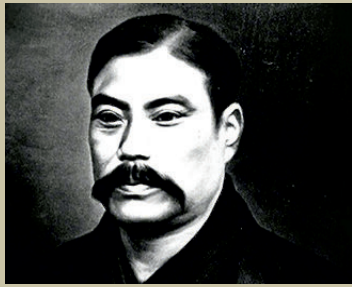
Shri. Aman Chouhan
Managing Director

Mitsubishi Heavy Industries- IAPL Group is a Strategic alliance of Mitsubishi Heavy Industries - Mahajak Airconditioners Co. Ltd. & IAPL Group , for sales, marketing & service of Mitsubishi Heavy Ind. Heavy Duty Room, Commercial Airconditioners & VRF Systems in India.

IAPL Group with its nationwide network has supported a wide array of projects including residential & large commercial establishment, Offices, Business establishments, Hotels, Hospitals, Schools, Commercial Complexes, Industries, etc. We have participated in projects for large Air Conditioning Systems requiring SYSTEM INTEGRATION of imported air conditioning equipment as per the international standards lay down by our principal- M/s. Mitsubishi Heavy Industries Thermal Systems Ltd. We ensure much superior quality of workmanship with advanced engineering skills. We have full - fledged team of qualified engineers and technical staff in the air- conditioning divisions to meet all kind of requirements. IAPL has consistently provided Channel Partners with timely and high value service, competitively priced products without sacrificing quality.

Mitsubishi Heavy Industries Japan - Global Activity

136 years of technological innovations



Yataro Iwasaki,
founder of Mitsubishi



1884: the Nagasaki shipyards at the time
the company was founded

quality products through untiring technological research and development. From new energy development and environmental concerns to the exploration of space, with the advent of the 21st century MHI is confronting a variety of issues to ensure the realisation of a society in which there is harmony between mankind and technology.



- Ultra-High Steel Stacks
- Refuse Incineration Plants
- Night Soil Treatment Plants
- Electrostatic Precipitators
- Flue Gas Desulfurization System
- Fluidized Incinerators
- CFC Collecting Equipment



- Crude Oil Storage Barges
- LNG Tanks
- Boilers & Turbines
- Oil Production Plants
- Contra-Rotating Propellers
- Thermal Power Plants
- Combined Cycle Plants
- Fuel Cells
- Water Turbines
- Wind Turbines
- Geothermal Power Plants
- PWR Nuclear Power Plants
- Uranium Enrichment Equipment
- FBRs
- Co-Generation Systems



- Spillway Radial Gates
- Steel Bridges
- Penstocks
- Desalination Plants
- Physical Distribution Equipment
- Engines



- Unloader & Container Cranes
- Mechanical Parking Facilities
- Integrated Automated Storage Systems
- Rubber & Tyre Machinery
- Skyrails
- Monorail Cars
- New Transportation Systems
- Passenger Boarding Bridges

- Toll Collection Machine Systems
- Forklift Trucks
- Helicopters
- Aircraft
- Railway Maintenance Equipment
- LNG Carrier
- Container Ships



TRANSPORTATION
LOCAL DEVELOPMENT
ENVIRONMENT
RESOURCES/ENERGY



Futuristic
Design
Comfort
Control



HYBRID⁺ Cassette

HYBRID AC gives 1.5 times bigger area coverage compared to Conventional AC & still gives electricity saving



8 Meters
Air Flow



ECONOMY MODE



ENERGY SAVING MODE

Temperature is set to optimize to save energy without losing comfort.

COMFORT



Automatic Operation

This function automatically selects the required cooling function based on the current room conditions.



Motion sensor (optional)

This sensor detects human activity and shifts the temperature setting according to the amount of activity in the room.

AIRFLOW



Individual Flap Control System

Wired remote controller allows you to set the upper and lower limit positions of the flap at each air outlet individually, providing you with complete control over air flow inside the room.



Draft prevention setting (optional)

Draft Prevention setting provides a comfortable air flow without any draft feeling. The remote control can be used to instantly to suppress any warm or cool drafts. This accurately assists how air flow is directed out of the indoor unit.



Vertical Auto Swing

The vertical louvers on your unit will move up and down continuously during operation. This function allows you to set the up/down swing position of the louver to your preferred operation angle.



Automatic Fan Speed

The unit's on-board microcomputer continuously monitors the room's air temperature and adjusts the air flow automatically.

SERVICE FUNCTION



Self Diagnostics

The internal microcomputer automatically runs a diagnostic of the system in the event of a malfunction. This enables your authorised dealer to isolate and repair any issues.



Built in Drain Pump

The built-in drain pump, allows greater flexibility with installation, offering a great solution for applications with limited space.



Improved Serviceability

The fan unit (comprised of impeller and motor) is easily accessible from either the side or bottom of the unit and can be slide out for easy maintenance.

TIMER



Sleep Timer

This function allows you to set a pre-determined amount of time between 30 and 240 minutes that your unit will operate before switching off.

CONVENIENT



Function Switch

From the seven available functions on the unit, this function allows you to set two functions to operate automatically.



Favorite setting

Operation mode, set temperature, fan speed and air flow direction automatically adjust to the programmed favourite setting.



Air Filter

The air filter in the unit traps and removes airborne dust particles and other allergens to provide you with a clean air.



Filter Clean Indicator


This warning alerts you as to when the filter needs to be cleaned.
























































Outside Air Intake Provision

This function provides clean fresh air into the room through the external air intake, avoiding the constant recycling of internal air.

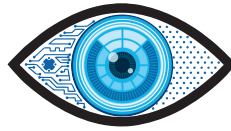
Indoor Units

When using RC-EX3A (Remote control), functions with symbol  are available.

However, for RC-E5 (Remote control), functions  with are not available.

							
Economy	Economy Mode		ENERGY SAVING MODE Temperature is set to optimized to save energy without losing comfort.				
	Comfort	Automatic Operation		This function automatically selects the required cooling function based on the current room conditions.			
		Motion sensor (optional)*		This sensor detects human activity and shifts the temperature setting according to the amount of activity in the room.			Option
Air flow	Individual Flap Control		Wired remote controller allows you to set the upper and lower limit positions of the flap at each air outlet individually, providing you with complete control over interior air flow.				
	Draft prevention setting *		Draft Prevention setting provides a comfortable air flow without any draft feeling. The remote control can be used to instantly suppress any warm or cool drafts. This accurately assists how air flow is directed out of the indoor unit.				
	Vertical Auto Swing		The vertical louvers on your unit will move up and down continuously during operation. This function allows you to set the up/down swing position of the louver to your preferred operation angle.			Option	
	Automatic Fan Speed		The unit's on-board microcomputer continuously monitors the room's air temperature and adjusts the air flow automatically.				
Timer	Sleep Timer		This function allows you to set a pre-determined amount of time between 30 and 240 minutes that your unit will operate before switching off.				
	Weekly Timer		Set your unit to turn on and off automatically on a weekly basis to suit your usual room usage on each day.				
Convenient	Function Switch *		From the seven available functions on the unit, this function allows you to set two functions to operate automatically.				
	Favorite setting *		Operation mode, set temperature, fan speed and air flow direction automatically adjust to the programmed favorite setting.				
	Select the language *		Set the language to be displayed on the remote control.				
	Air Filter		The air filter in the unit traps and removes airborne dust particles and other allergens to provide you with a clean air.			Option	
	Filter Clean Indicator		This warning alerts you as to when the filter needs to be cleaned.				
	Outside Air Intake		This function provides clean fresh air into the room through the external air intake, avoiding the constant recycling of internal air.				
Others	Self Diagnostics		The internal microcomputer automatically runs a diagnostic of the system in the event of a malfunction. This enables your authorised dealer to isolate and repair any issues.				
	Built in Drain Pump		The built-in drain pump, allows greater flexibility with installation, offering a great solution for applications with limited space.				
	Improved Serviceability		The fan unit (comprised of impeller and motor) is easily accessible from either the side or bottom of the unit and can be slid out for easy maintenance.				

Motion Sensor Eye



(optional)

Energy saving operation by detecting human movement

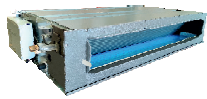
3 Step Control

- 1 Power Control** New motion sensor (option) detects human activity. Energy saving control is achieved by shifting set temperature according to detected amount of activity.
- 2 Stand by** Unit will go on stand-by mode when no activity is detected. When unit will detect activity again, unit will re-start operation automatically.
- 3 Auto Off** Unit will go off automatically when no activity is detected for 12 hours.

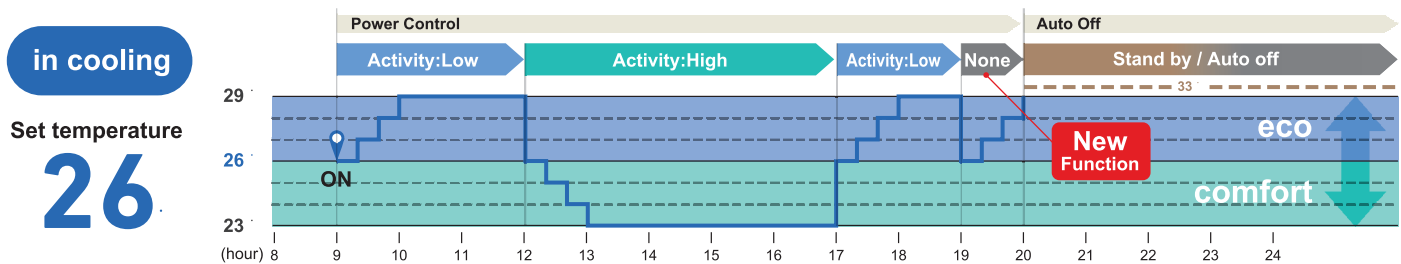
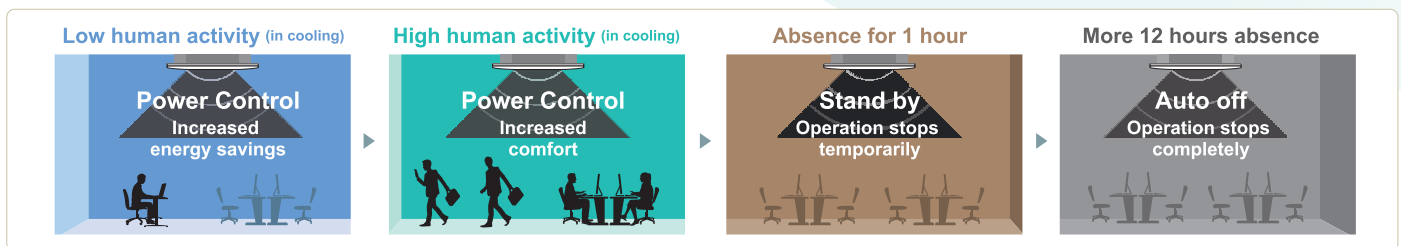
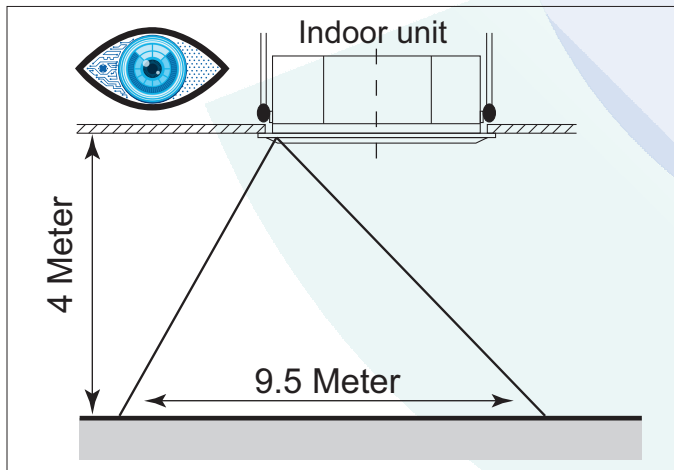
Optional for Models



FDT



FDUM



Operation mode and Control of Motion sensor		eco operation		Operation mode			
		comfort operation		Auto	Cool	Dry	Fan
Power Control ※1	Human activity 	Low	Cooling +3	+3	+3	-	-
		High	Cooling -3 -3	-3	-3	-	-
		None	Cooling +3 -3	+3	-3	-	-
Auto Off ※2				●	●	●	●

※1 Set temperature is revised maximum $\pm 3^{\circ}\text{C}$ at Cooling mode by detecting heat volume movement.

※2 Absence for 1 hour \Rightarrow Operation stops (Stand-by) More 12 hours absence \Rightarrow Operation stops completely