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www.tacebook.ecm/y Edman



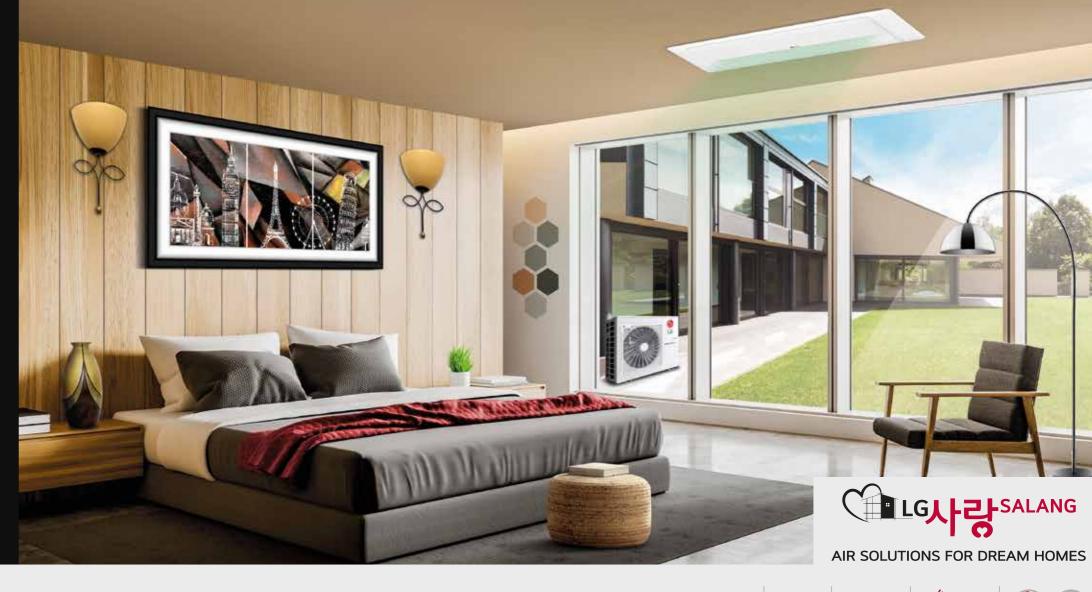
To know more about LG, visit www.lg.com/in/business/air-solution For Corporate/Institutional enquiries, please write to **sac marketing@lge.com** 

CIN No. U32107DL1997PTC220109





1 LG















SYSTEM AIR CONDITIONING

Regd. Office: LG Electronics India Pvt. Ltd., A-24/6, Mohan Cooperative Industrial Estate, Mathura Road, New Delhi-110044 \*Images shown are for representation purposes only, Actual product image may vary as per continuous product enhancement. Please contact us at North: 9717117716, South: 7824805486, East: 7875759665, West: 9923108310



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# ABOUT LG

Ever since manufacturing of Korea's first ever air conditioner began in 1968, LG has remained at the forefront of air conditioning innovation. LG has not only been the leading manufacturer of top notch energy efficient solution provider, but also has been amongst the top selling air conditioning brands globally.

With more and more focus on providing superior quality products, our team of experts work tirelessly to create solutions based on latest technologies to provide faster and smarter solutions.

LG India through its world-class manufacturing facilities in Greater Noida & Pune, has been reaching out to its customers with its comprehensive product portfolio that includes VRF systems, ducted splits, rooftop units, cassette units, floor standing units, chillers and building management systems (BMS).

The company also produces outstanding air conditioning professionals at its esteemed academies located in Delhi, Noida, Greater Noida, Pune & Bengaluru India. It has nearly 80 academies worldwide. These centres of excellence, provide workshops and training programs that offer invaluable hands-on experience. To cater the needs of our ever-evolving consumers, we have crafted innovative cooling solutions for commercial as well as for residential homes.

# **GLOBAL PRESENCE**



# Pune Academy Pune Academy







# NABL CERTIFIED TEST BED

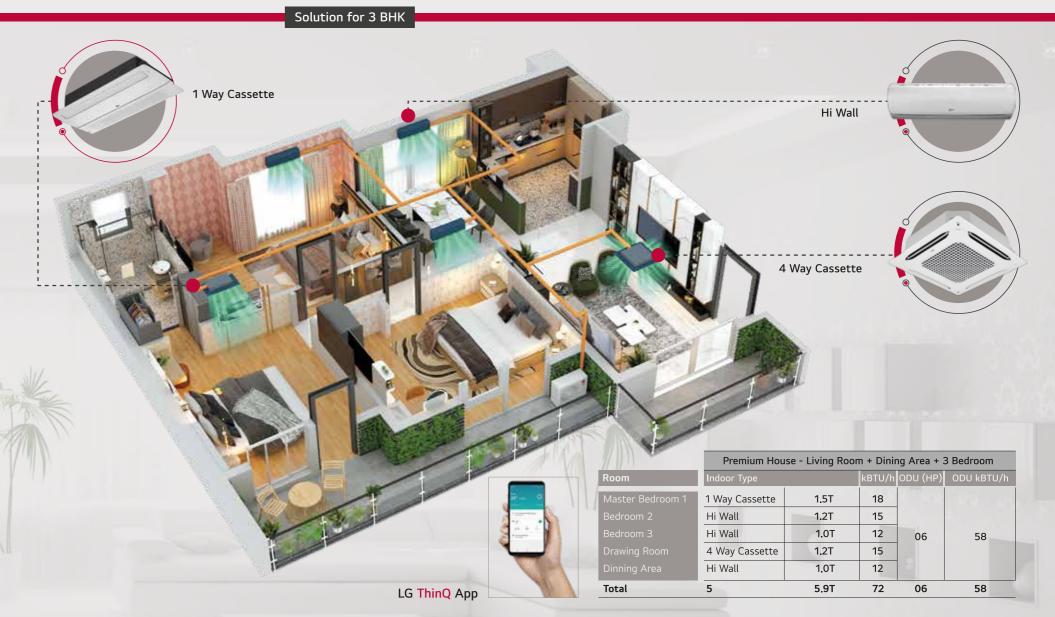
A fully automatic psychrometric lab in compliance with AHRI/IS standards accredited by NABL



# AIR SOLUTIONS FOR DREAM HOMES

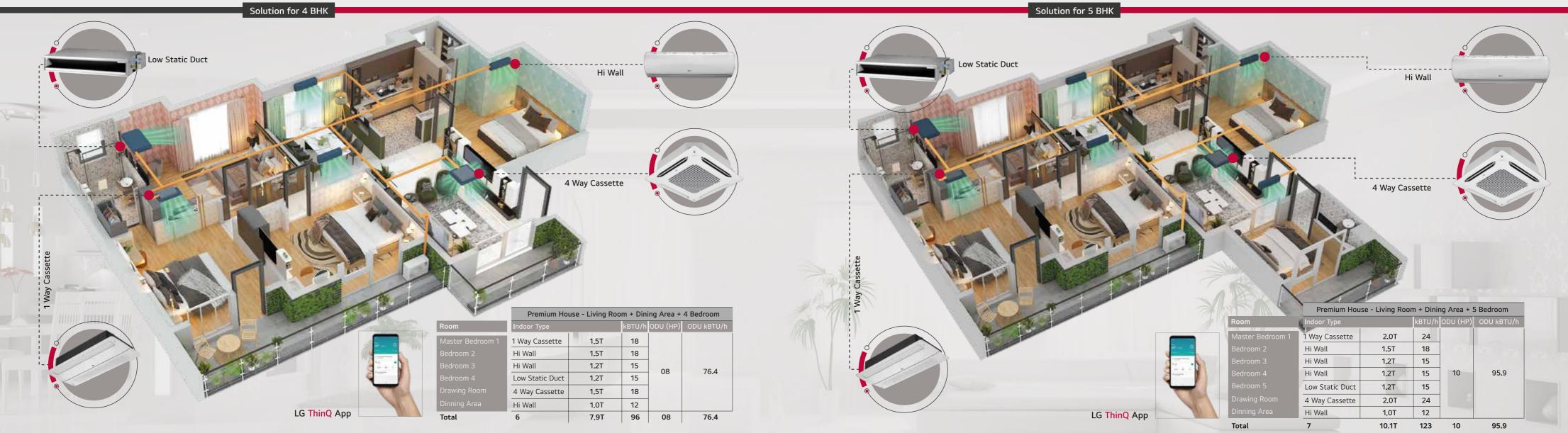
It's time to dwell deep into luxury and experience comfortable cooling. Our premium-looking product is thoughtfully designed for modern residences & commercial spaces. It provides unmatched comfort, extraordinary cooling, and convenience just the way you have imagined. Our range of indoor units is connected to a single system, and is centrally controlled, making it easy for you to choose as per your requirement.





# LGY-SALANG

# AIR SOLUTIONS FOR DREAM HOMES



# PRODUCT RANGE

# **MULTI V S INDOOR**

Туре	kW		1.5	2.2	2.8	3.6	4.5	5.6	6.2	7.1	8.2	9.0	10.6	12.3	14.1
Туре	BTU/	h	5k	7k	9k	12k	15k	18k	21k	24k	28k	30k	36k	42k	48k
	1 Way Cassette			•	•	•		•		•					
	2 Way Cassette				•	•		•		•					
Ceiling Mounted Cassette	4 Way Cassette (570 x 570)		•	•	•	•	•	•							
	4 Way Cassette (840 x 840)				•	•	•	•		•		•	•	•	•
	Round Cassette	<b></b>								•			•		•
Ceiling Concealed	High Static			•	•	•	•	•		•	•		•	•	•
Duct	Low Static				•	•	•	•		•					
Wall Mounted Unit	Standard				•	•	•	•		•		•	•		
Floor Standing	Floor Standing	=													•

<sup>1)</sup> If 4th generation indoor units are combined to 2nd generation indoor units, several functions are not available. More detailed information, refer to the "MULTI V S Indoor units Compatibility Table"

# **MULTI V S OUTDOOR**

								Unit: HP
Туре	Appearance	4	5	6	8	10	12	14
Multi V S	Side Discharge Outdoor Unit	•	0	0	•	•	•	

# Heat Pump (H/P), 380V, 3Ø ○ Heat Pump (H/P), 220V, 1Ø □ Cooling Only (C/O), 380V, 3Ø ■ Cooling Only (C/O), 220V, 1Ø

# PRODUCT RANGE

# LIGHT COMMERCIAL

Туре	Appearance	1.0 T	1.5 T	2.0 T	3.0 T	4.0 T
4 Way Cassettes			•	•	•	•
1 Way Cassettes		•	•	•		
Low Static Duct			•	•		
Floor Standing						

# **CONTROL SOLUTIONS**

## WIRELESS REMOTE

- On/Off, Temperature Setting, Fan Speed, Auto Swing Vane Angle Control, Reservation, Time Display
- Can be used for Duct Models also (by using IR Accessory)





## SIMPLE WIRED REMOTE CONTROLLER

- On/Off, Temperature Setting
- Fan Speed, Mode Change

### AC EZ TOUCH

AC SMART 5

Feature

PREMIUM REMOTE

Energy Management

64 units, 5 inch Touch Screen & Web Access.

• 5 inch Touch Screen with Premium Design

Yearly Scheduling, Group Control up to 16 IDU

Schedule Events, Error History, Remote Lock

• 128 units, 10.2 inch Touch Screen, Dynamic UI

Interlocking, Peak Control, Time Limit, Yearly Schedule

Energy Statistics, Operation Report, Emergency Stop

Energy Save Mode, Emergency Stop



# / Door Sensor SMART SOLUTION

■ Cooling Only (C/O), 220V, 1Ø □ Cooling Only (C/O), 380V, 3Ø

INTEGRATION DEVICE (DRY CONTACT)

to Control Various Functions

Key Tag, Fire Alarm, Motion / Lighting

- System Air Conditioner Mobile App to Control & Monitor the Device from Anywhere and Anytime
- Compatible with iOS or Android Devices

Connection Between IDU & External Devices





S

# COST SAVING

LG's revolutionary Inverter technology boasts powerful yet quiet performance while minimizing energy consumption.



# SPACE SAVING

LG central unit offers a sleek, modern and compact design that can be safely placed outside of your house. This offers more space for you to enjoy indoor activities.



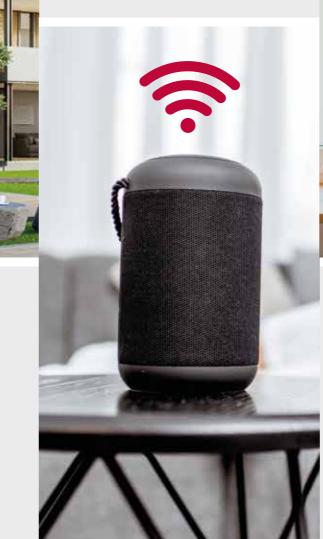
# SMART CONTROLS

Control your air conditioners using smart internet devices like smartphones and smart speakers via LG ThinQ App.



VOICE CONTROL

Simple, time-saving voice control for easy access adding to your convenience and comfort.



BLACK FIN

# MODERN DESIGN\*

#Reddot & iF award winning design enhances luxury house interior.







# SUPERIOR AIR QUALITY

-----

Provide fresh air with powerful air cleaning process and offer real time air quality monitoring system.





# SILENT OPERATIONS

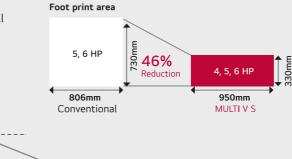
Enjoy noise free environment at anytime with low noise operation function. At night mode, noise reduced maximum 14% compared to normal mode.

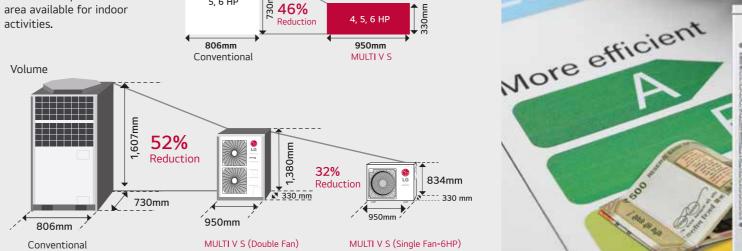




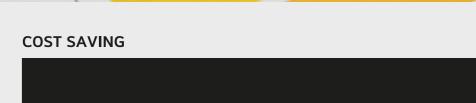
# SPACE SAVING

MULTI V S provides the optimal solution for your loved spaces-homes, small offices and shops with reduced footprint & more area available for indoor activities.









Max.10% Energy Saving by Smart Load Control

※ Indoor air discharge temperature

- Energy efficiency increased by 3-step Smart Load Control during start-up phase.
   Discharge air temperature adjusted according to outdoor and indoor temperature.
   Comfort level in cooling / heating operations ensured.

Max.13% Energy Saving by Real Time Operation

\*\* How to set up: By dip switch in outdoor unit (Referred to Product Data Book) factory default setting is Off.

\* Dual sensing (Temperature & humidity) smart load control is possible with remote controller PTEMTB100 (White).



LG MULTI V S is a compact yet powerful VRF solution for residences and small offices that provides high performance with low operation costs. Discover the smaller, more powerful, and eco-conscious **MULTIV** 



LG

MULTI V. D

# SMART CONTROLS

# LG ThinQ™

Control your air conditioners using smart internet devices like smartphones and smart speakers.



# Simple operation for various functions

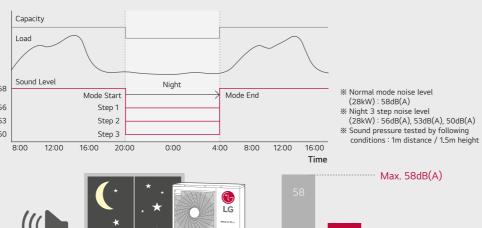
- On / Off Vane Control
- Mode Selection
- Reservation
- Current Temperature
- Energy Monitoring
- Set Temperature Filter Management





# SILENT OPERATIONS

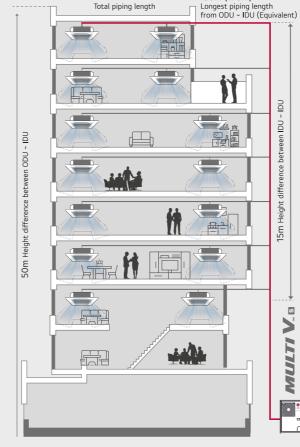
Enjoy noise free environment at anytime with low noise operation function. At night mode, noise reduced maximum 14% compared to normal mode.



# PIPING LENGTH

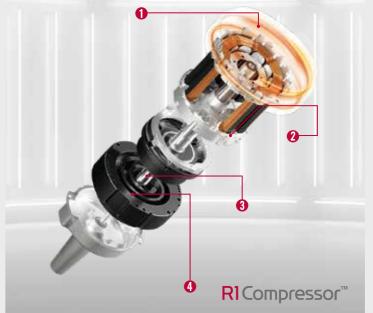
A cooling system that can be implemented with more Flexibility in a high-rise apartment buildings, reducing the designer's work time and providing more efficient

150m (175m)



Standard Model	Compact Model
JRUN(V)_LSS0 (8 ~14HP)	ARUN_L(G)SS5 (4 ~ 6HP)
300m	300m
150m (175m)	80m (100m)
40m (90m)	40m
50m	30m
15m	15m
	JRUN(V)_LSS0 (8 ~ 14HP) 300m 150m (175m) 40m (90m) 50m







Centrifugal oil return & Oil separating guide for oil discharge reduction



Extended operation range (Max. 150Hz)

- Higher Cooling Performance



Shaft-through structure & Support both ends of shaft - Solid compressor operation assuring higher durability



Bottom compression & Simple structure

- Lower Noise & Vibration (Max. 4dB(A)\( ) - Less Weight (20%↓)

- Superior Reliability

# HIGH EFFICIENCY

# \*R1Compressor™

R1 Compressor is one that combines high-efficiency, low sound characteristics of the scroll and the simple compressing structure of the rotary compressor. This technology enables a highly efficient compact model.

**DURABILITY** 

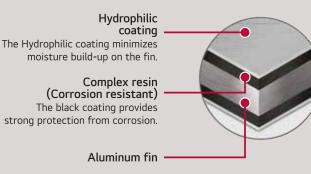
LG's exclusive "Black Fin" heat exchanger is specially designed for durable and long-lasting performance even in corrosive environments.





LG Corrosion Resistance solution passed ISO accelerated corrosion test conducted by an independent test organization and the result has been certified by prestigious global certification organization, TUV.

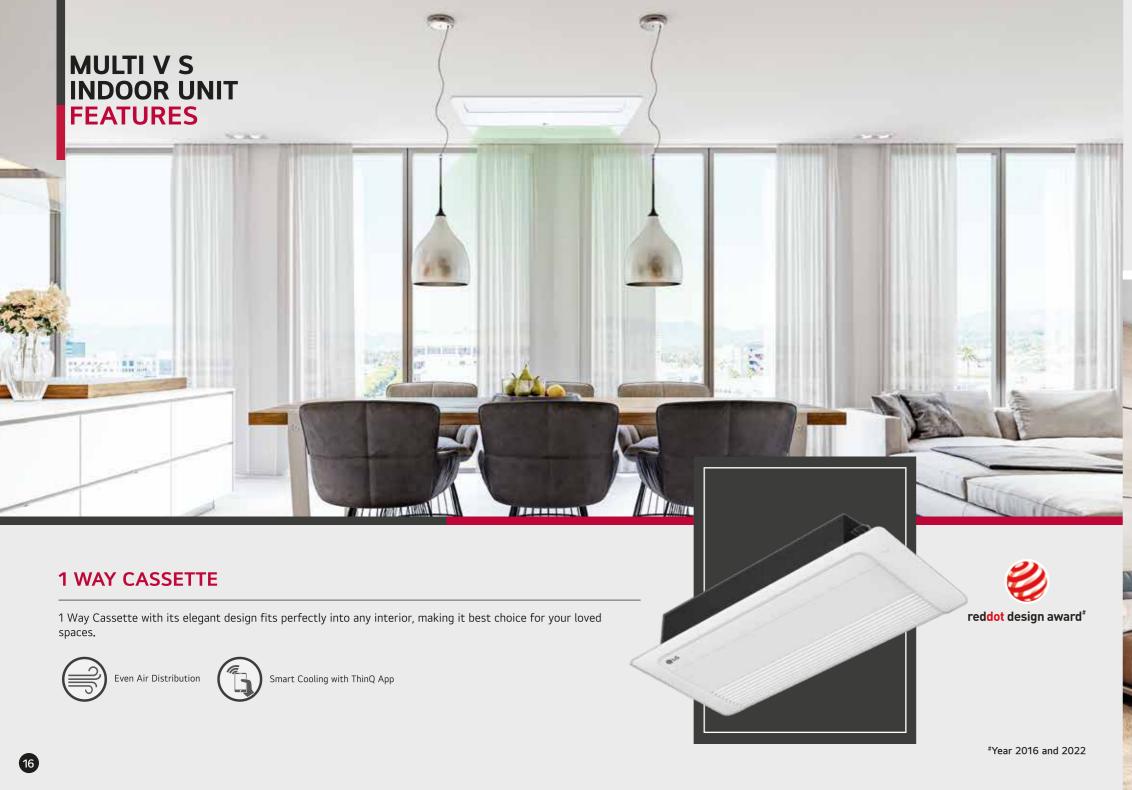
## Black Fin for corrosion resistance







\*T&C apply





# **SLIM & COMPACT INDOOR UNIT**

Slim indoor unit provides flexibility of installation in the narrow ceiling space.



# **SUPERIOR AIR QUALITY**

# 5 STEP AIR FILTERATION\*

Air-purifying filter that removes 99.9% of PM1.0 and also removes 99% of ultra-fine dust particles, bacteria



DUST ELECTRIFICATION

DEODORIZATION FILTER

# 4 WAY AIR BLOW AUTO CONTROL

Auto Up / Down / Left / Right control provides even air distribution.



4 Way Air Blow Control









# AIR PURIFICATION##

Provides fresh air with powerful air cleaning process and offers real time air quality monitoring system.



IONIZER

DEODORIZATION FILTER

DUST ELECTRIFICATION PRE - FILTER

# **REAL TIME AIR QUALITY MONITORING**

# 

Indoor Unit Smart Indicator

##Optional



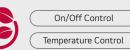
Remote Controller



Mobile Device







Energy Saving

Indirect Airflow

HUMAN DETECTION

REAL TIME AIR QUALITY MONITORING

Direct Airflow

Comfort Air

**Human Detection Sensor** 

**HUMAN DETECTION**#

Energy saving & comfort cooling through human detection.

(PTVSMA0)

#Optional

New multi-functional 4 Way Cassette allows energy saving and comfort through Human Detection and Wind Direction control.

The modern look fits perfectly & add luxury to your interiors.





\*Year 2016 and 2022

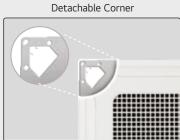


# STYLISH DESIGN PANEL

New 4 Way Cassette panel has a unibody shape that perfectly matches with the ceiling.





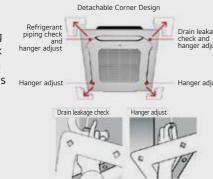


# INTERIOR FIT LINELESS SURFACE



# **CONVENIENT PANEL INSTALLATION**

The detachable corner design makes it easy to adjust the hanger during installation and to check for leakages in the drain connection pipe. And it is Hanger adjust easy to install the panel to the body simply by using our new button-type design.



One Push Panel

# INDEPENDENT CONTROL OF AIR FLOW

The independent vane operation feature uses separate 4 motors, making it possible to control all four vanes independently. The independent control provides optimal comfort for each user. It is capable of handling inclination angles between 20 ° ~ 70 °.





Indirect Air Flow











2-Vane Control

1-Vane Control

Volume Control

Angle Control

Setting screen on the remote controller.





PM1.0 Sensor

Smart Indicator Color display by air quality











# **AIR PURIFICATION KIT**







Deodorization Filter

※ Normally HEPA filter type must be replaced regularly. It means that it costs expensive for maintenance.

Step 3



# **LG Round Cassette**



# Other Brand

# **ROUND AIRFLOW**

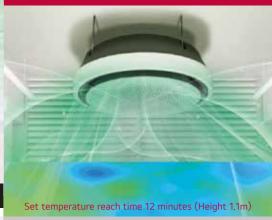
With its 6-step precision control technology and perfect round design, it offers comfortable cooling with natural airflow in every corner.

# **30% FASTER IN COOLING**

With greater airflow, it cools the room 30% faster without missing a spot.

\* Based on test results from LG chamber, this image is designed to help customers understand. Experimental environment: height 3.2m, 48 kBtu, cooling mode, high flow rate, horizontal air flow direction

# LG Round Cassette



# Other Brand



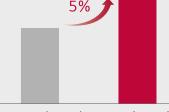
Normal Communication Noise Level 50dB(A) Full 3D Fan, Low Noise



Full 3D Fan. Low Noise



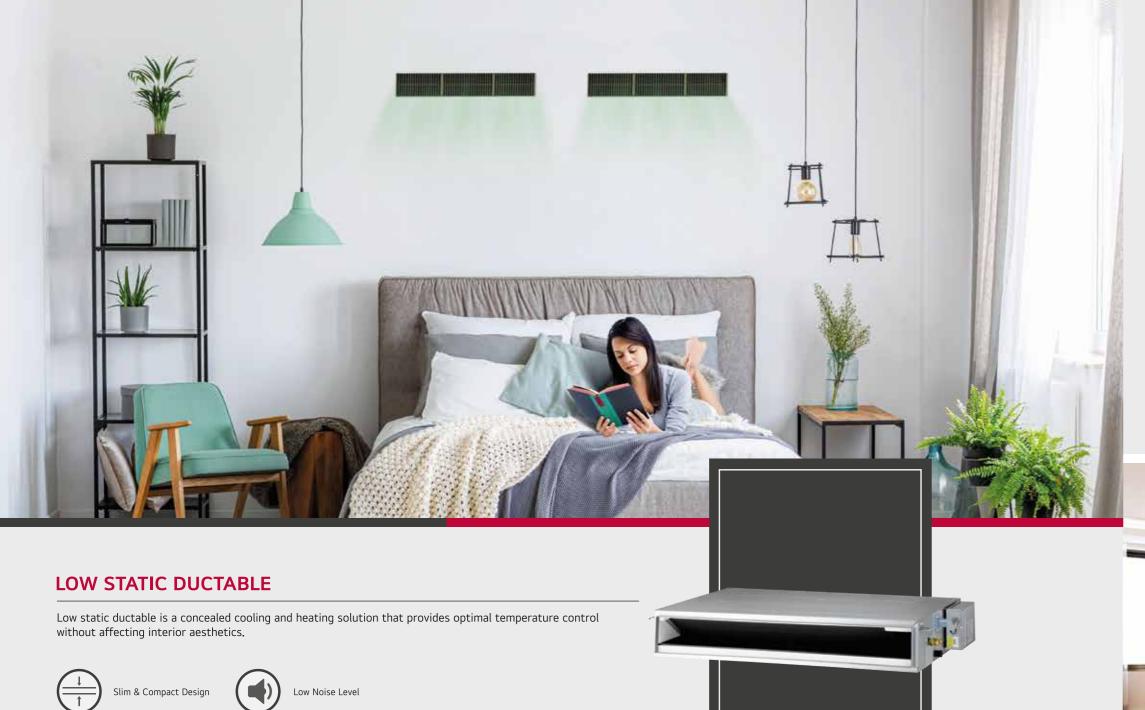
Full 3D Fan, Air flow rate 5% ↑

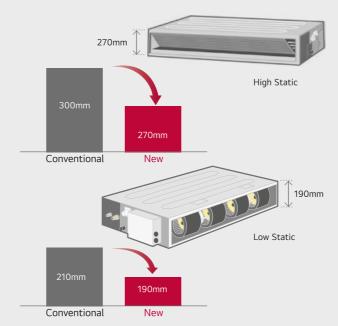


Previous (4 Way) New (Round)

# **POWERFUL AND QUIET AIRFLOW**

3D fan increases airflow by 5% and noise reduction technology makes a quieter, more comfortable space.



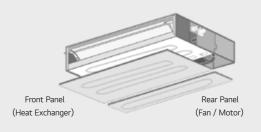


# MINIMIZED HEIGHT

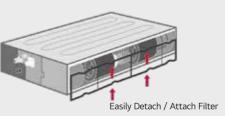
New low-static ducts provide ideal solution for installation in limited space.







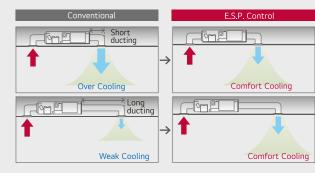
Selective Panel Separation



Easily Detachable Filter

# **EASY SERVICE & MAINTENANCE**

Disassembly of the entire panel is no longer required as the new panel is divided into two parts. One part is for heat exchanger inspection and the other one for fan/motor inspection. The filter can be easily detached and re-attached even in limited spaces.



# **E.S.P.** (EXTERNAL STATIC PRESSURE) CONTROL

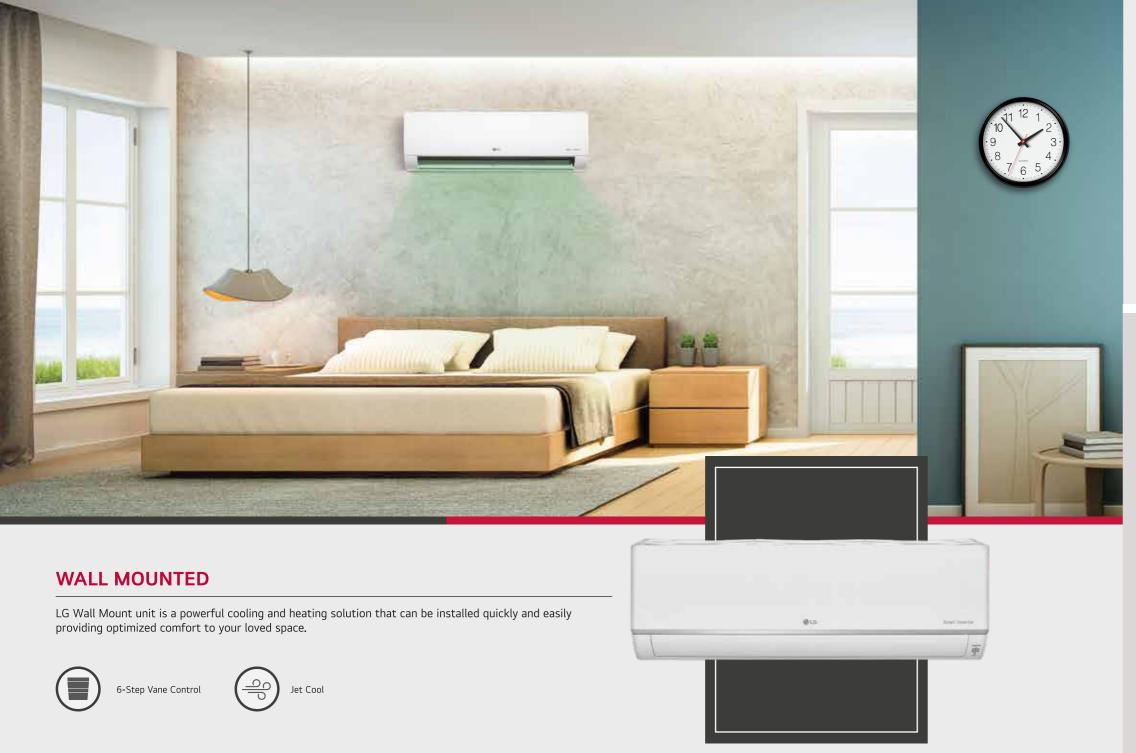
This function easily controls volume of the air by a remote controller. The BLDC motor can control fan speed and air volume regardless of the external static pressure. Additional accessories are not required to control the airflow.











# **AUTO CLEANING**

The auto-cleaning innovative feature prevents bacteria, mold and odour formation in the indoor unit which allows the flow of air free from microbes.







Setting temperature : 21°C

Operation time : 13:00 ~ 18:00

SCHEDULED OPERATION

by the user or after setting period.

\* This function is for wired remote controller only,

\* Wired remote controller is needed to be separately purchased.

You can set the daily temperature, fan speed, the

operation mode and automatic On / Off time for two

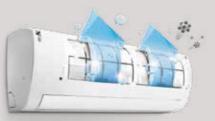
weeks. It will keep running on that time until cancelled

Schedule 1 Setting temperature: 19°C Operation time : 09:00 ~ 12:00

By dehumidifying, the auto cleaning function eliminates substances that might be harmful.

remains odourless with the advanced deodorizing function.

By preventing polluting of the heat exchanger caused by various germs and bacteria, the performance and life span of the air conditioner do not wither away even after a period of 10





Prevention









# TWO THERMISTORS CONTROL

The indoor temperature can be checked using the thermistors in the remote controller as well as from the indoor unit. There may be a significant difference between ceiling and floor air temperature. Two thermistors can optimize indoor air temperature for a more comfortable environment.



6-STEP VANE CONTROL

The vertical vane, which moves up and

down, has 6 different settings including full

**UP TO 70°** 

# One Click "Jet Mode"

Reduces the temperature of outflowing air to 18°C for 30 minutes with just one click.

JET COOL

LG air conditioners provide optimized

rooms faster while delivering cool air

high-speed airflow, which can cool

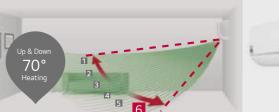
evenly in every direction.

\* Specifications may vary for each model.

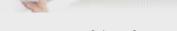
\* Dependning oen thefiexpetrimental conditions.



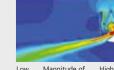
More Powerful Performance 13.0 CMM air flow



\* Angle can be different from each model and working mode.







Low Magnitude of High





# LIGHT COMMERCIAL PRODUCT RANGE **FEATURES**

# **ENVIRONMENT FRIENDLY**

R32 is a highly efficient refrigerant with a lower global warming potential. Eco-friendly refrigerant (R32) has better results in lower quantity and has remarkable lower environmental impact.

# Benifits

Zero Ozone Depletion (ODP) & Lower Global Warming Potential (GWP). The quantity of R32 refrigerant required is appreciably lower compared to the R410A refrigerant. Consequently, this results in decreasing the potential of global warming. Comparative case studies of the different refrigerants are indicated in the table and chart as below:

	R22	R32
ODP	Medium	Nil
GWP	Mid	Low





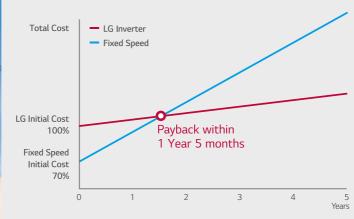
Have the lavish luxury of cool air and save enough for the future. LG's latest Super 5-Star Air Conditioners with 5.2 ISEER rating improve efficiency by 10% as compared to conventional 5-Star Air Conditioners with 4.7 ISEER rating.



# Super 5-Star Normal 5-Star

# **COST AND ENERGY SAVING**

Short Payback period and easy period check with LG PAYBACK App.



Capacity: 4 T Ceiling Mounted

Operating time: 08:00~22:00 Cooling partial load and power consumption calculated based on yearly weather data Target indoor temperature: 23°C) India (Delhi)

- This result can be different depending on actual environment.
- This energy & electric cost saving datas are simulated result with 'LG Inverter payback' application.
- ※ Initial cost of each product is based on market SRP (INR).

# **DURABILITY**

LG's exclusive "Black Fin" heat exchanger is specially designed for durable and long-lasting performance even in corrosive environments.

The black coating is applied for protection from various corrosive external conditions and the hydrophilic film keeps water from accumulating on the heat exchanger's fin, minimizing moisture build-up. This improvement in durability prolongs the product's lifespan and lowers both the operational and maintenance costs.





# **SMART CONTROLS**

Control your air conditioners using the smart internet devices like smartphones and smart speakers via LG ThinQ app.

# Simple operation for various functions

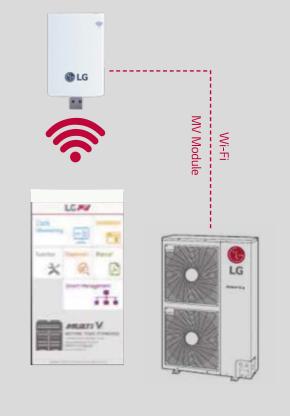
• On / Off

Mode Selection

Vane Control

- Reservation
- Current Temperature
- Set Temperature
- Energy Monitoring Filter Management









A wide range of controllers choice gives you better, precise & efficient control of indoor units in your home, creating a comfortable environment.





# EASY CONTROL

Wired remote controller is easy for usage.



## ISV

- Navigation buttons, easy to use
- Easy installation setting



# Convenient • Flexible display

- Dual display with air conditioner
- Zoom selected directory to increase legibility



# Visible

- Indoor CO<sub>2</sub> level, Air Purify quality level, Humidity
- Alarm for filter change /
  Remained time to change filters



**ENERGY MANAGEMENT** 

Users can check power consumption and running time report (Weekly, Monthly, Yearly). Various energy managing settings such as energy target setting, alarm pop-up indication, time limit control and home leave operation are available for efficient management.



# AIR PURIFY SOLUTION

Anywhere! Anytime! Control IDU with Wi-Fi Modem through LG ThinQ.

# Air Quality Level Monitoring

- Easily Check Air Quality Status - PM10
- PM2.5
- PM1.0
- Graph View of measurement history Day, Week, Month, Year

# Air Purify Control

Air Purify Set / Clear

Purification

# Mobile Remote Control

Using a Wi-Fi modem, control and monitor air purify from your LG ThinQ App.

- Temp. / Mode / Fan / Air Flow and so on

※ Wi-Fi modem (PWFMDD200) is an accessory.







# Living Room

Anytime, anywhere air conditioner control and access

Integrate systems for smart connectivity throughout

# **Bedroom**

Use a familiar residential thermostat

Simple interlocking control by remote control

# Kitchen + Dining Area

Stable system operation.

# HOME

Control your home air conditioner anytime, anywhere

### Function

- On / Off
- Fan speed
- Operation mode
- Vane control
- Reservation (Sleep, Weekly On / Off)
- Error check



PWFMDD200 LG Wi-Fi modem

# D200 modem LIVING ROOM Build a smart house



- Operation
- Indoor temperature
- Error alarm
- Set operation mode
- Set temperatureSet fan speed



PDRYCB500 Modbus RTU (9,600bps)

# BEDROOM

Use a familiar residential thermostat

# Input

- Universal Input
- Operation On / Off
- Thermo On / Off
- Operation mode (Fan / Heat / Cool)
- Fan speed (Low / Middle / High)

# Output

- Operation On / Off status
- Error alarm



PDRYCB320 8 contact point

Use a familiar residential thermostat





# .

• EEV full close function

**APARTMENT** 

operation when indoor

Stable system

unit power is lost



# (PRIPO)

Independent power module will help to simplify individual electricity bill generation.

# BEDROOM

Simple interlocking control by remote control

- 10.92 cms color LCD
- Touch button



PREMTB100
Wired remote controller





# REFERENCE SITES









