

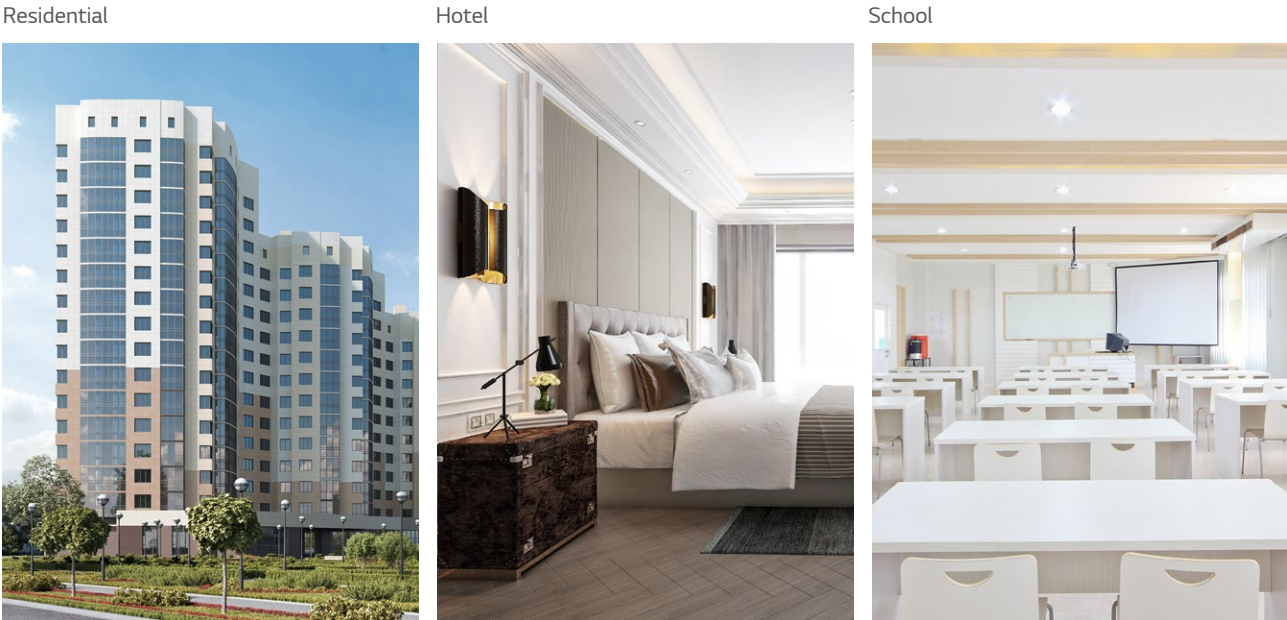
COMMERCIAL

SINGLE SPLIT

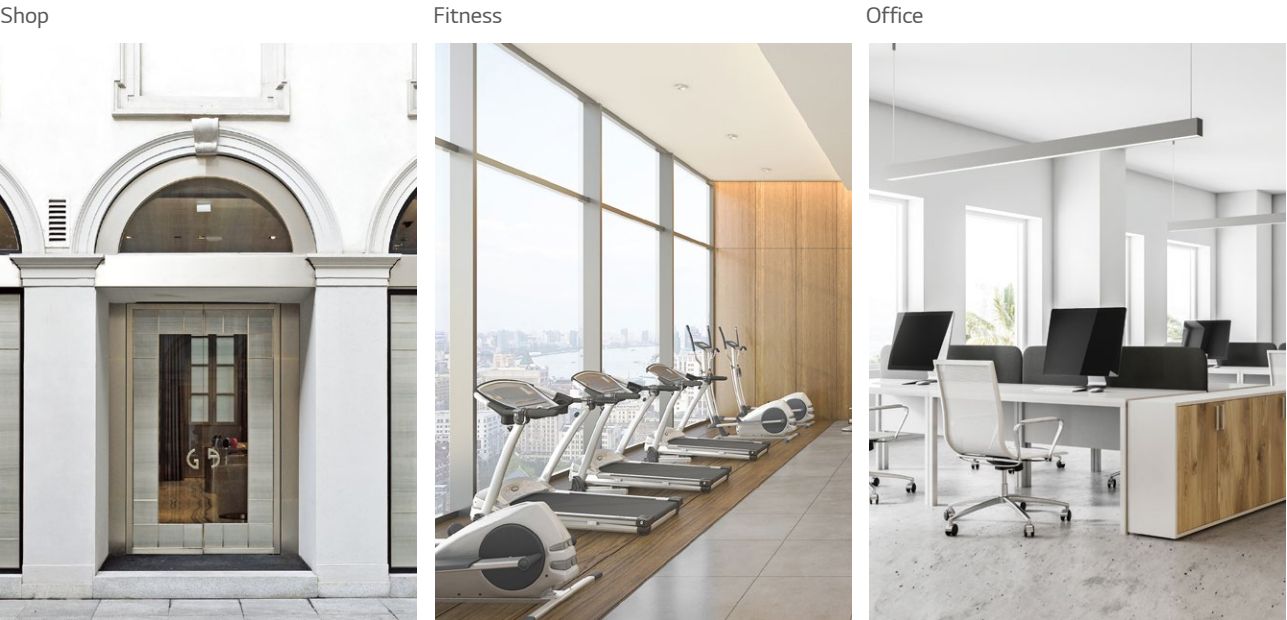


APPLICATION SOLUTIONS

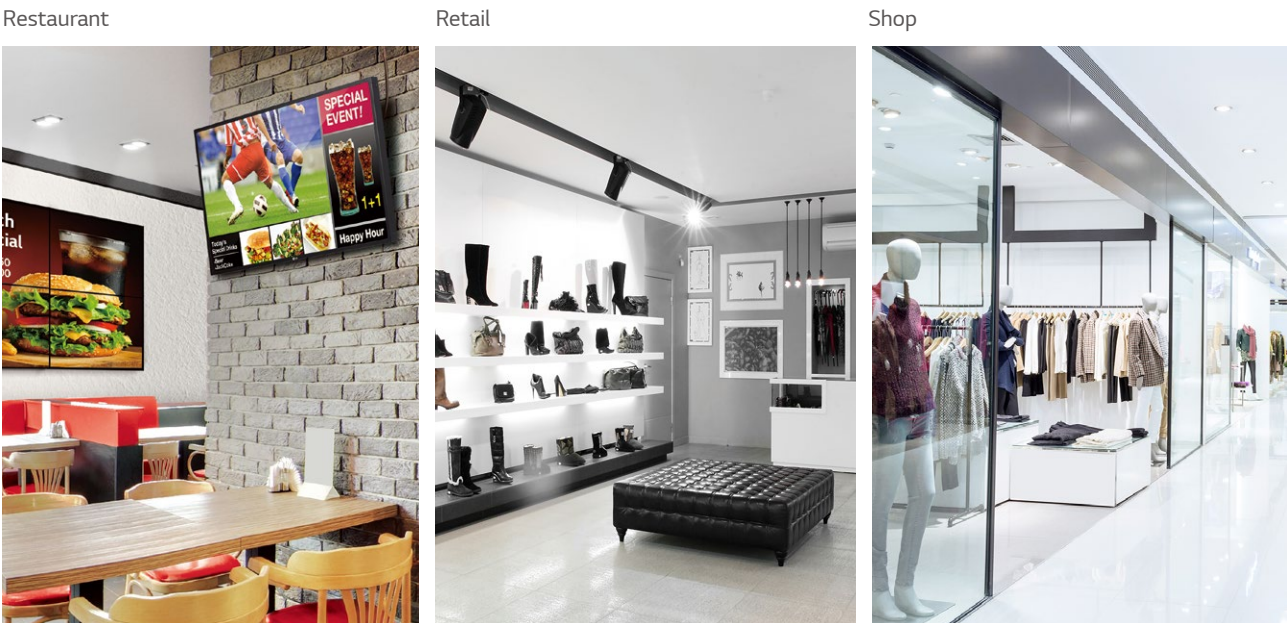
 Ducted



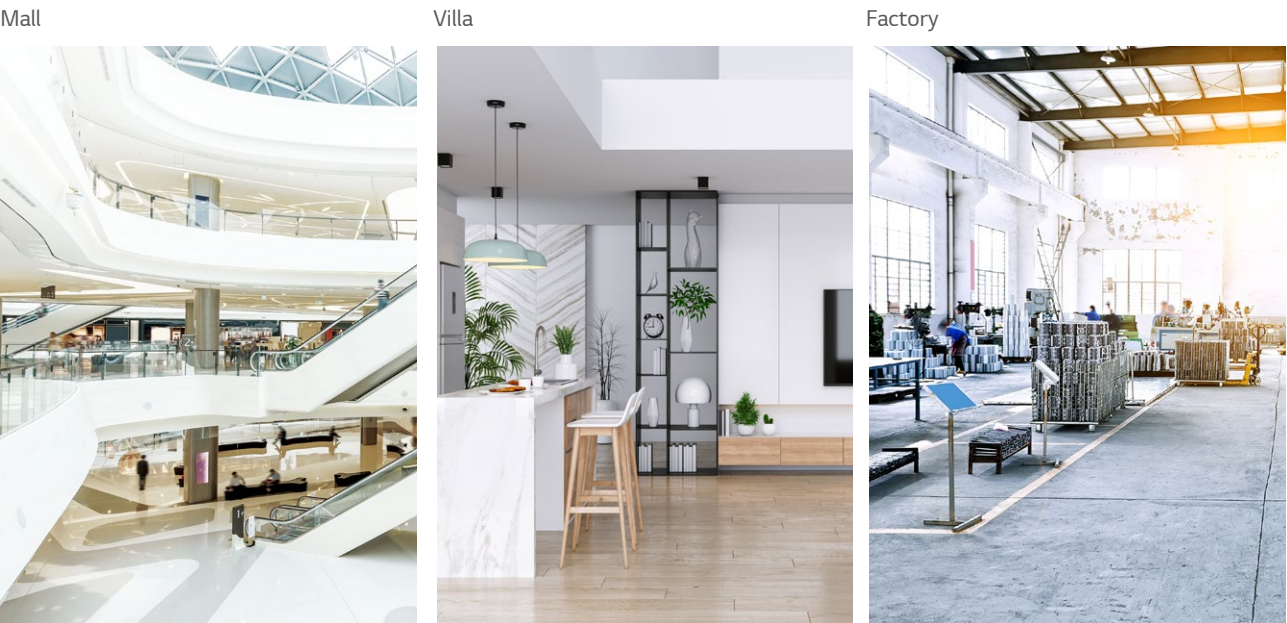
 Cassette



 Ceiling Suspended



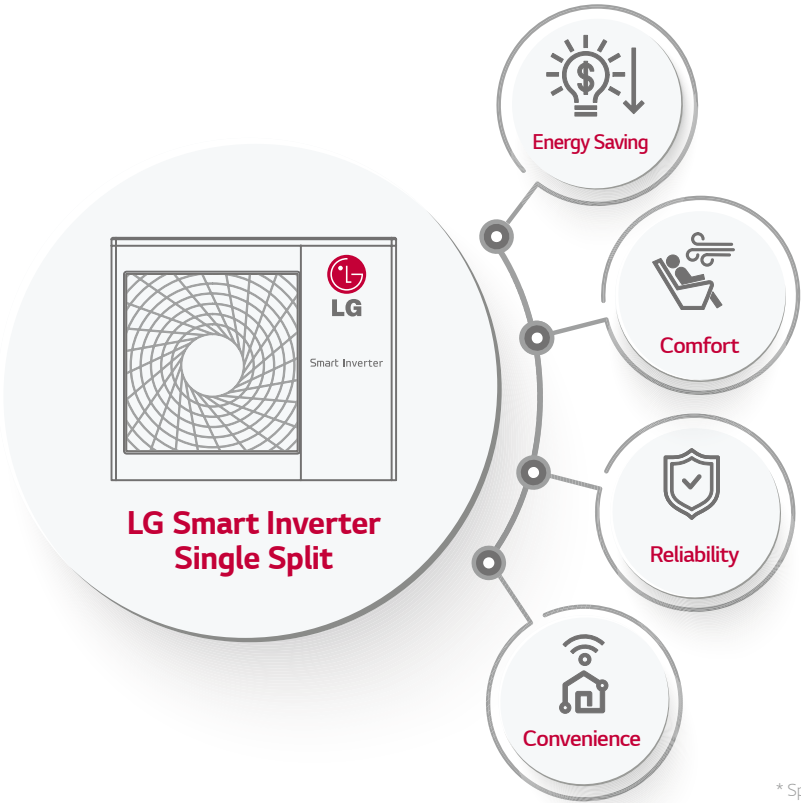
 Single Package





WHY LG SMART INVERTER?

LG Inverter technology is applied to various electronics including refrigerators and washing machines which continuously draw global attention. The best quality is the excellent level of technology provided by LG, a reputable electronic provider. LG is also known for its comprehensive HVAC provider. LG's latest Smart Inverter Single Split solutions are all equipped with the company's advanced Smart Inverter Technology.



* Specifications may vary for each model.

ENERGY SAVING



Comfort Cooling with Humidity Sensor

Comfort cooling is a energy saving function that changes evaporation temperature in accordance with temperature & humidity.



Human Detection Sensor

Automatic direction of air flow & operation by sensing human body.



Quick Cooling

At the same condition, the inverter reaches the set temperature about 30% faster than the constant speed.



Low Noise

Inverter makes lower noise than constant speed due to adjustable frequency according to the load.

COMFORT



High and Low Voltage Protection

Below low voltage limit, inverter compressor reduces frequency(Hz) and boost DC voltage, over high voltage limit, cuts off the relay to prevent damage of DC capacitor.



Corrosion Resistant Heat Exchanger

The fin of heat exchanger covered with gold-colored special coating prevents corrosion, extending the lifespan of the unit.

RELIABILITY



ThinQ

Control your air conditioners via using the smart internet devices such as Android or iOS based smartphones. This advanced technology provides you the best convenience.



Simple Test Run Via LGMV

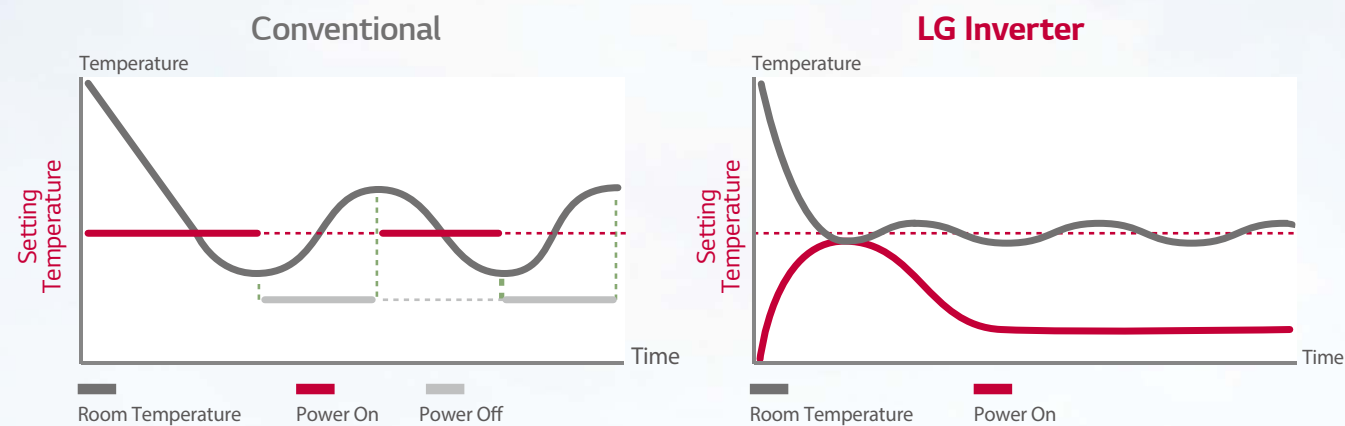
Fast and accurate auto test run can be executed and the professional installer running the test can receive test results via email, which shortens installation hours and increases overall efficiency in installation processes.

CONVENIENCE

WHY LG SMART INVERTER

COMFORTABLE OPERATION

Once the desired temperature is achieved, unlike conventional air conditioners that turn the compressor on and off, LG inverter units adjust and constantly vary the compressor speed to maintain the desired temperature with minimal fluctuation to ensure that your comfort is not compromised.



Recognizing the importance of saving energy, LG has taken the initiative to develop new and, more efficient inverter technology. In addition to consuming less electricity, the company's advanced inverter systems also boast powerful performance and enhanced reliability.

LG's Inverter Single Split lowers energy usage and operational costs, illustrating how smart technology can make a real difference. New model, designed for commercial spaces such as offices and retail stores, can operate for extended periods of time, while providing exceptional energy efficiency.

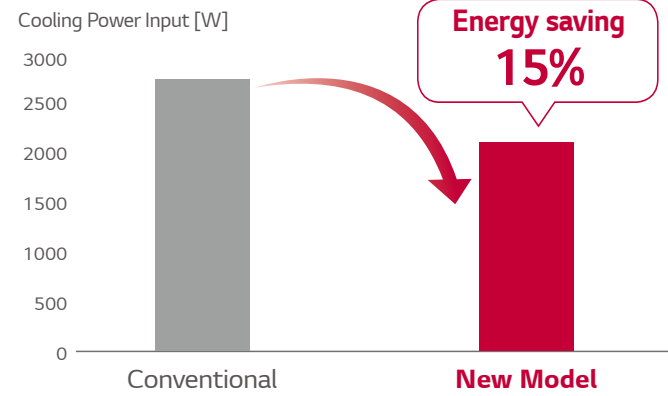
The Inverter Single Split is able to produce an impressive volume of cool air, helping to create the perfect indoor temperature quickly, as well as delivering fast and efficient cooling. LG's latest solution can also minimize electricity consumption.



LG INVERTER SINGLE SPLIT

LG's Inverter Single Split lowers energy usage and operational costs, illustrating how smart technology can make a real difference. New model, designed for commercial spaces such as offices and retail stores, can operate for extended periods of time, while providing exceptional energy efficiency.

Public Facilities (Restaurants, Fitness centers, Conference rooms)
LG Smart Inverter system offers optimal independent air conditioning for large spaces that require an ideal temperature, supply of fresh air, and individual control.



• CEILING SUSPENDED



• CEILING CONCEALED DUCT

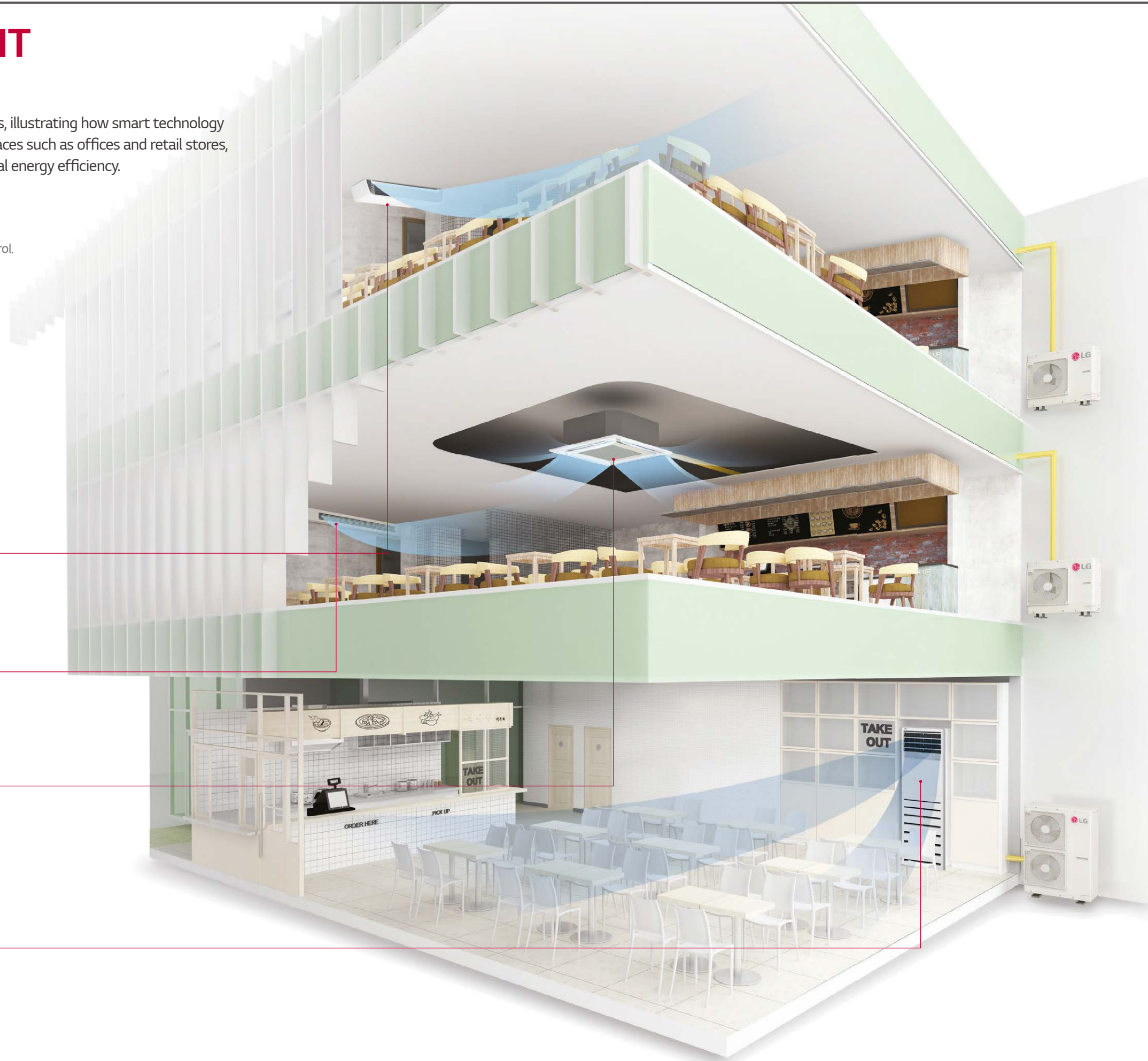


* New Panel : PT-MCHW0

• 4 WAY CASSETTE



• FLOOR STANDING



THE EVOLUTION OF LG TECHNOLOGY

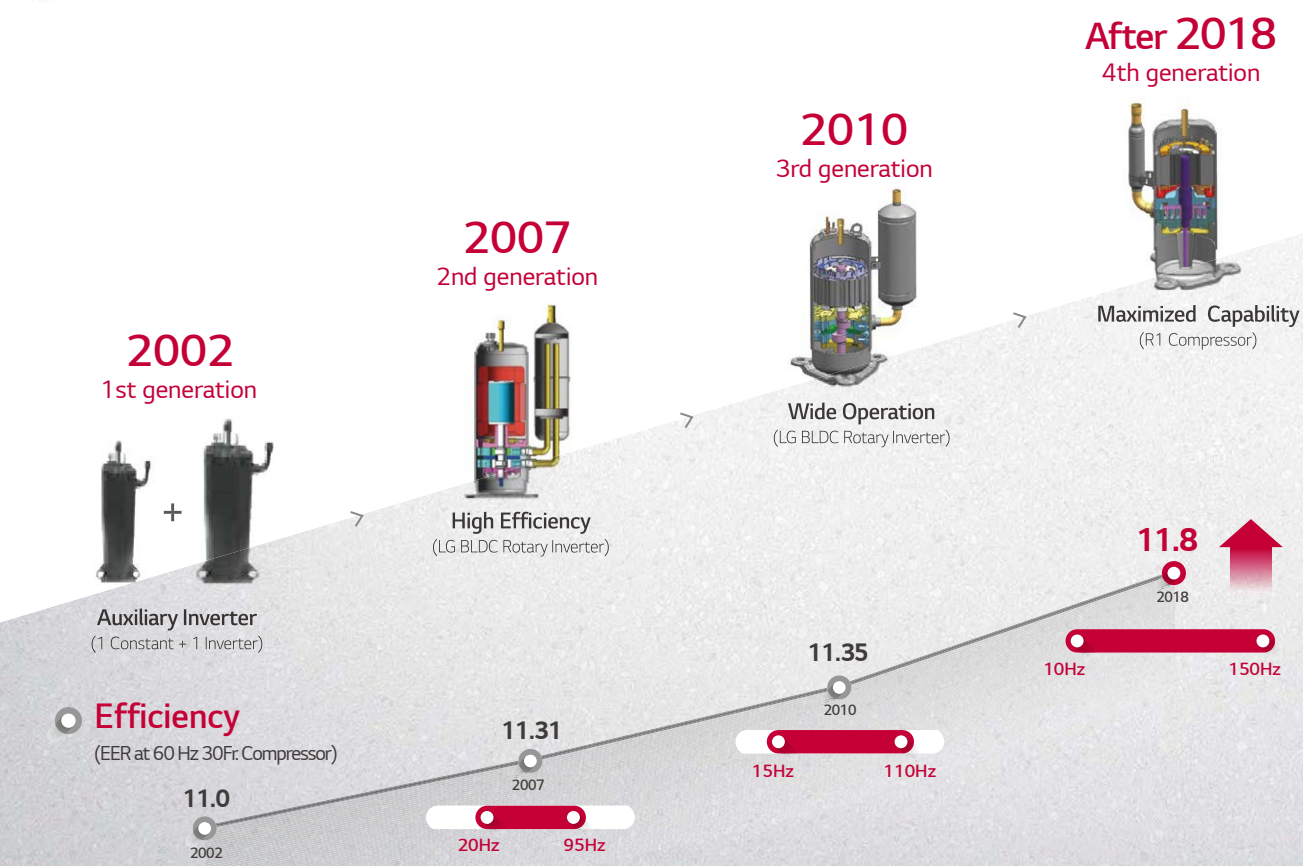
REVOLUTIONARY SCROLL COMPRESSOR

Revolutionary scroll compressor is applied for high-efficiency and reliability.
This type of compressor is more advanced compared to the conventional one. Especially tilting motion of scroll has been improved. Further, the operation range is improved compared to the conventional type.

R1 Compressor™



- Extended Operation Range (max 150Hz)
- High Efficiency (low load at low speed / total efficiency)
- Low Noise (high speed possible)
- 20% Weight Reduction (vs. conventional compressor)
- Scroll Compressor with Simple Structure
- Improved Tilting Motion of Scroll



Operation Range

* All the contents in this material is based on LG single split model.

POWER

Higher Performance
Extended Operation Range (max 150Hz)

SILENCE

Lower Noise & Vibration
- Max 4 dB(A) ↓
- Less Weight (**20% ↓)
- Superior Reliability
- Bottom compression & simple structure

DURABILITY

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

EFFICIENCY

Higher Energy Efficiency (*SEER 20% ↑)
Centrifugal oil return & Oil separating guide for oil discharge reduction

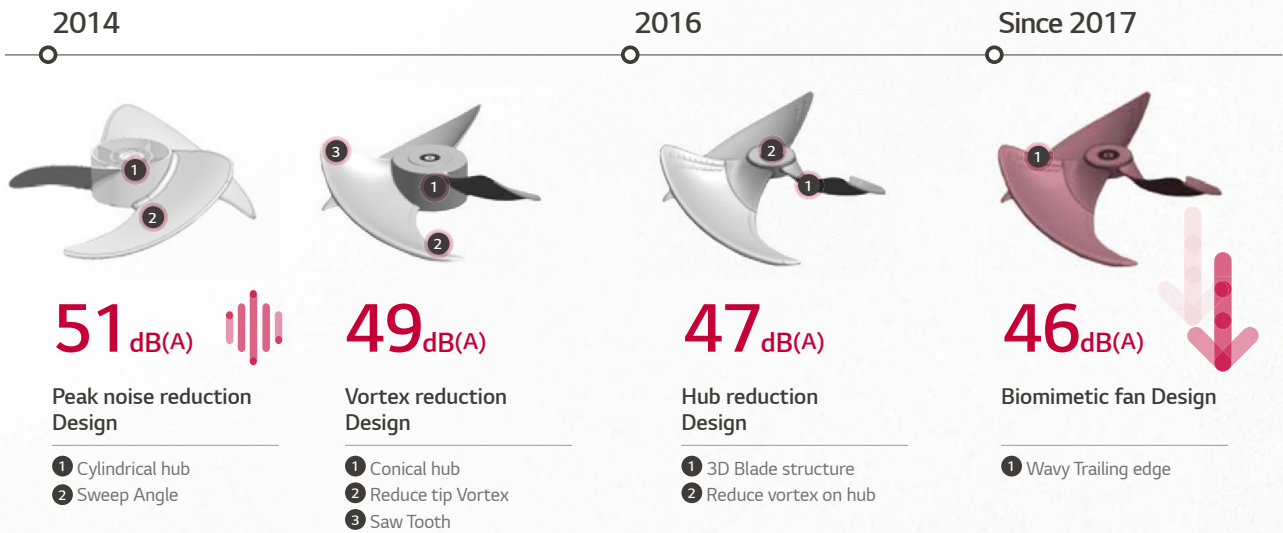
R1 Compressor™

* LG Internal test result, Based on single split 10 kW Cassette
** LG Internal test result, Based on conventional compressor (Rotary type GPT442M)

LG TECHNOLOGY FAN

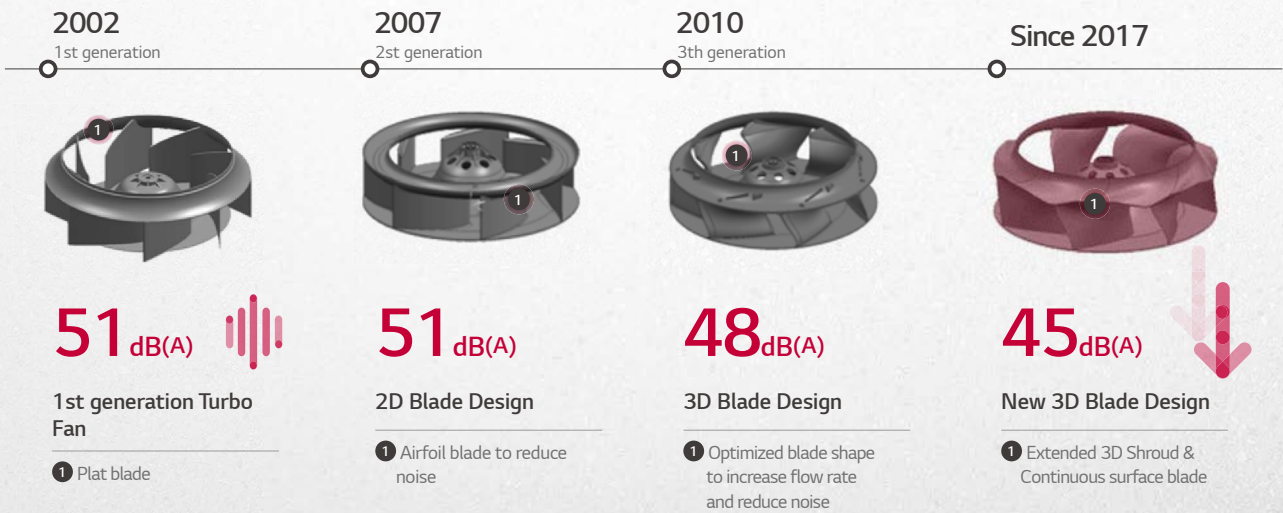
*OUTDOOR FAN (BIOMIMETIC FAN)

Newly developed fan, designed by biomimetic shape, blows higher air volume and noise is reduced accordingly.



INDOOR FAN

Quiet and powerful indoor unit fan through years of fluid dynamic design and manufacturing knowhow.



* All the contents in this material is based on LG single split model.



SINGLE SPLIT **LINE-UP**

CEILING CASSETTE						
						
kBtu / kW	18 / 5.3	24 / 7.0	30 / 8.8	36 / 10.6	48 / 14.1	60 / 15.8
Indoor Model Name	UT18WC	UT24WC	UT30WC	UT36WC	UT48WC	UT60WC
Outdoor Model Name	UU18WC	UU24WC	UU30WC	UU36WC	UU49WC1	UU61WC1

CEILING CONCEALED DUCT (MIDDLE STATIC)						
						
kBtu / kW	18 / 5.3	24 / 7.0	30 / 8.8	36 / 10.6	48 / 14.1	60 / 15.8
Indoor Model Name	UM18WC	UM24WC	UM30WC	UM36WC	UM48WC	UM60WC
Outdoor Model Name	UU18WC	UU24WC	UU30WC	UU36WC	UU49WC1	UU61WC1

SINGLE PACKAGE				
Capacity (RT)				20, 25 RT
Single Package				
Model Name				AK-W240LC00 AK-W300LC00

CEILING SUSPENDED			
			
kBtu / kW	36 / 10.6	48 / 14.1	60 / 15.8
Indoor Model Name	UV36WC	UV48WC	UV60WC
Outdoor Model Name	UU36WC	UU49WC1	UU61WC1

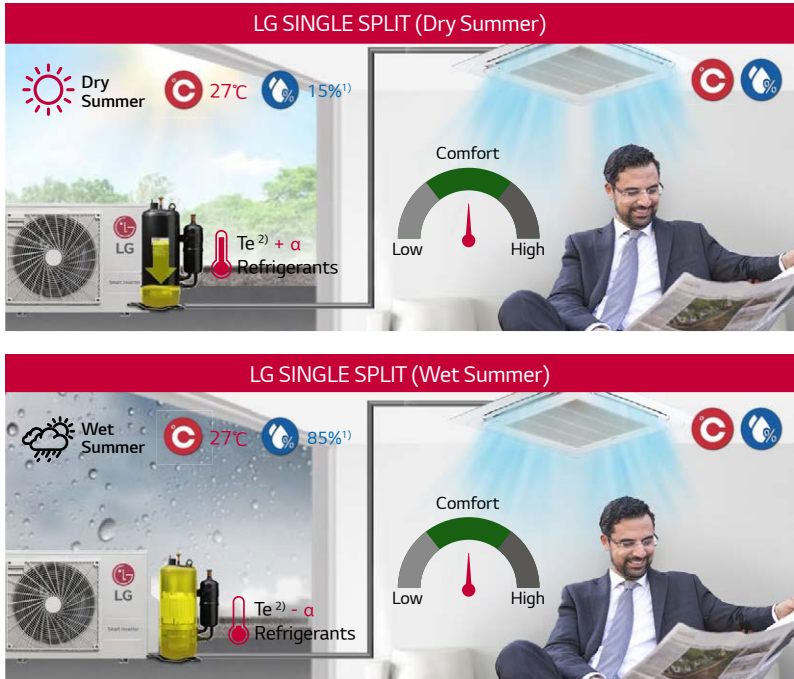
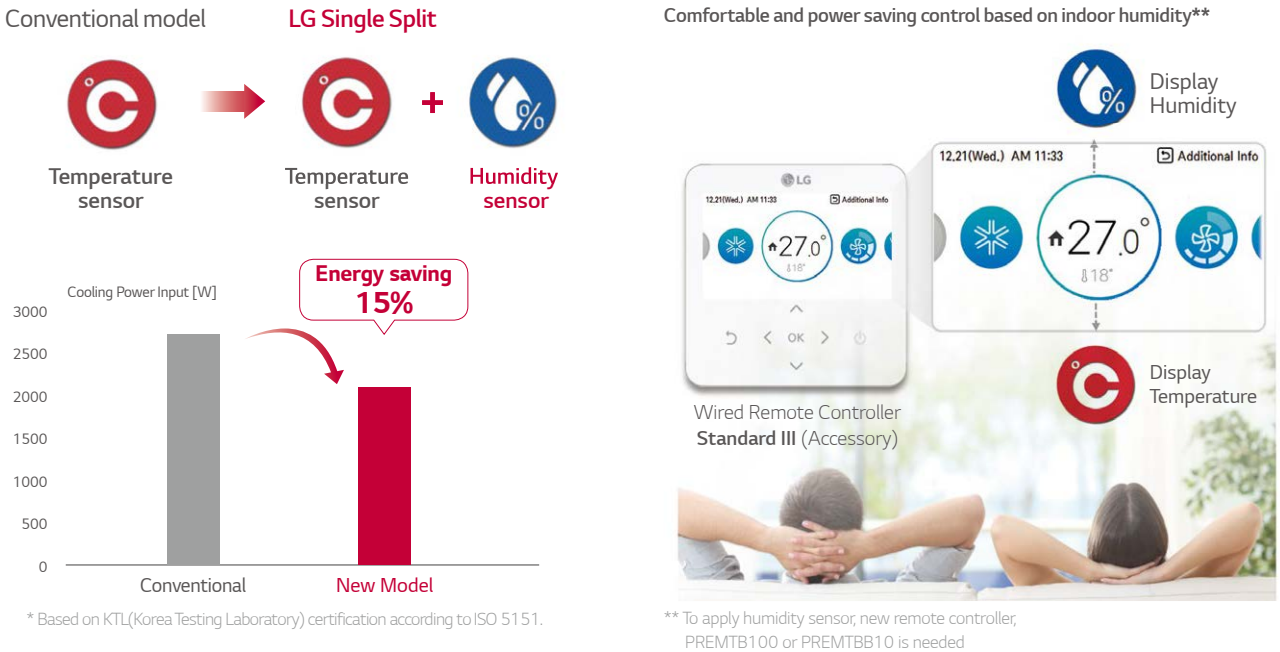
SINGLE SPLIT



ENERGY SAVING

Comfort Cooling with Humidity Sensor

'Comfort Cooling' is a energy saving function that changes evaporation temperature according to temperature & humidity.



1) Indoor Condition
2) Evaporation Temperature

Comfortable Environment
By making the room less dry

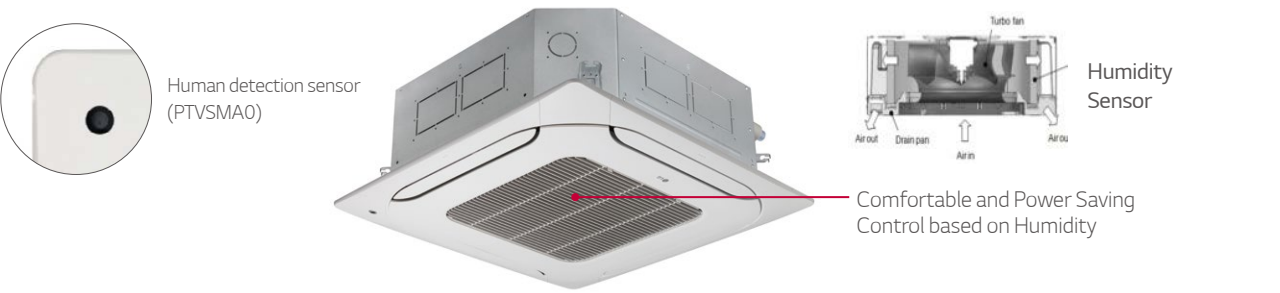
Increased Energy Efficiency
Provide optimized cooling and save energy considering humidity

Max.18 % Energy Saving*



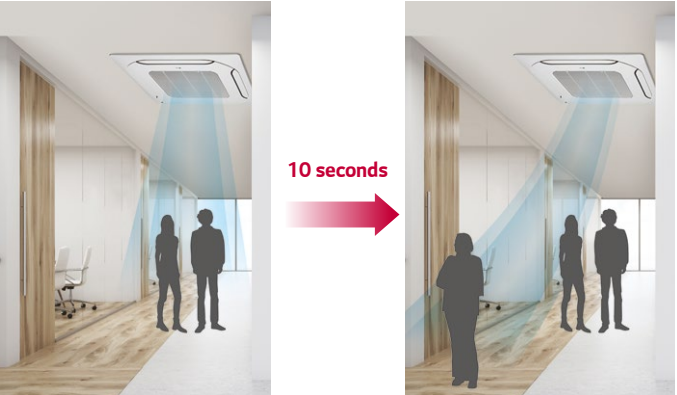
ENERGY SAVING

Energy Saving with Human Detection Sensor



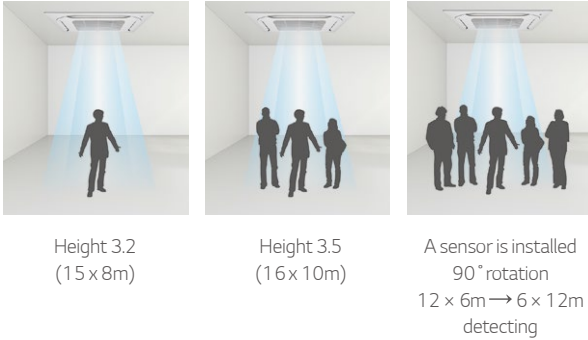
Direction control based on human motion

Air flow direction is controlled automatically by motion sensor that detects the activity of people every 10 seconds.



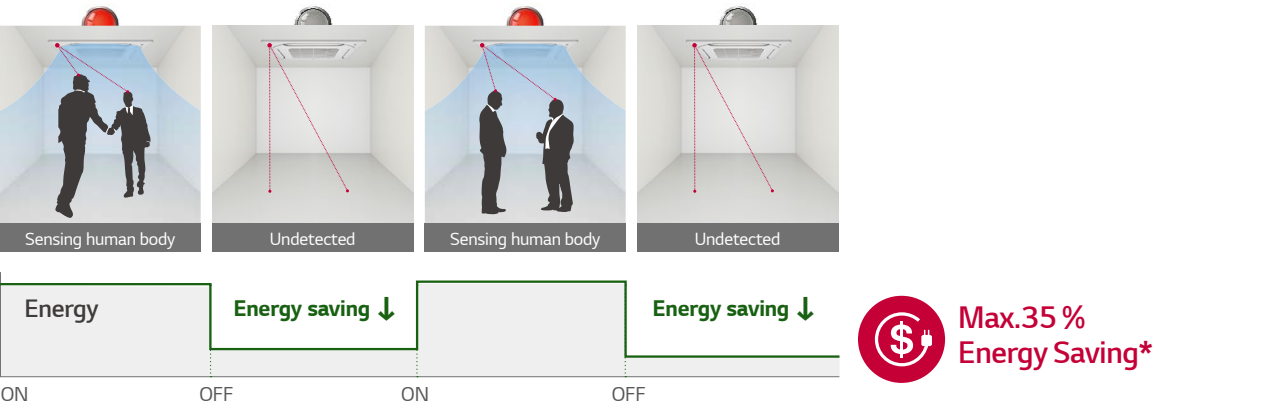
Compressor control based on real load

Discharge temperature is controlled by the number of occupancy.



Auto on/off mode

The indoor unit automatically stops when detecting absence. It runs as the same as previous mode when sensing human body.

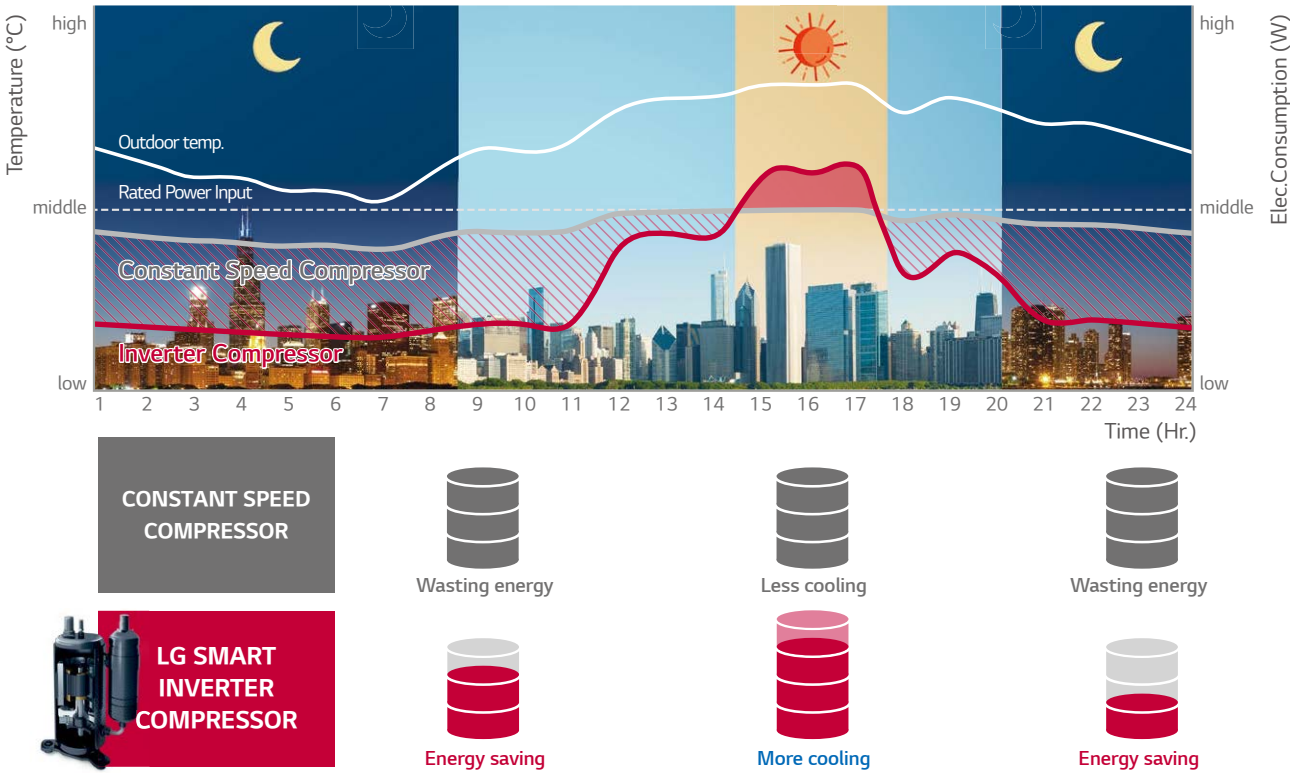


* Sensor is optional accessory (PTVSM0) : only can be applied to PT-MCHW0(CST Panel)
* To use this function, new remote controller, PREMTB100 or PREMTBB10 is needed
* This mode can be operated when you select "On/Off power saving"

ENERGY SAVING

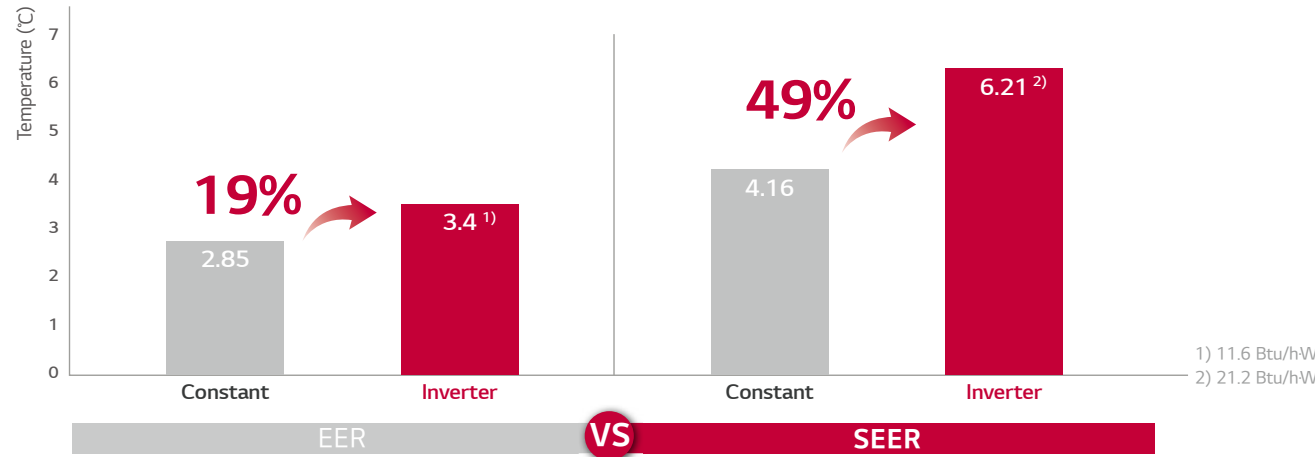
COMFORT

Benefit of Partial Load Performance



EER vs SEER

The difference of EER is very small, but the difference of SEER is much bigger. This means that inverter air conditioner saves annual operation cost a lot more than constant speed air conditioner.



* EER : Indoor Temp. 27°C (DB) / 19°C (WB), Outdoor Temp. 35°C (DB) / 24°C (WB)
* SEER (seasonal energy efficiency ratio) :
- Indoor Temp. 26.7°C (DB) / 19.4°C (WB)
- Outdoor Temp. 35°C / 27.8°C / 30.6°C / 27.8°C / 19.4°C (DB)
* LG internal simulated data

* Model : 4 Way Cassette (48 kBTU/h)
* This result can be different depending on actual environment.

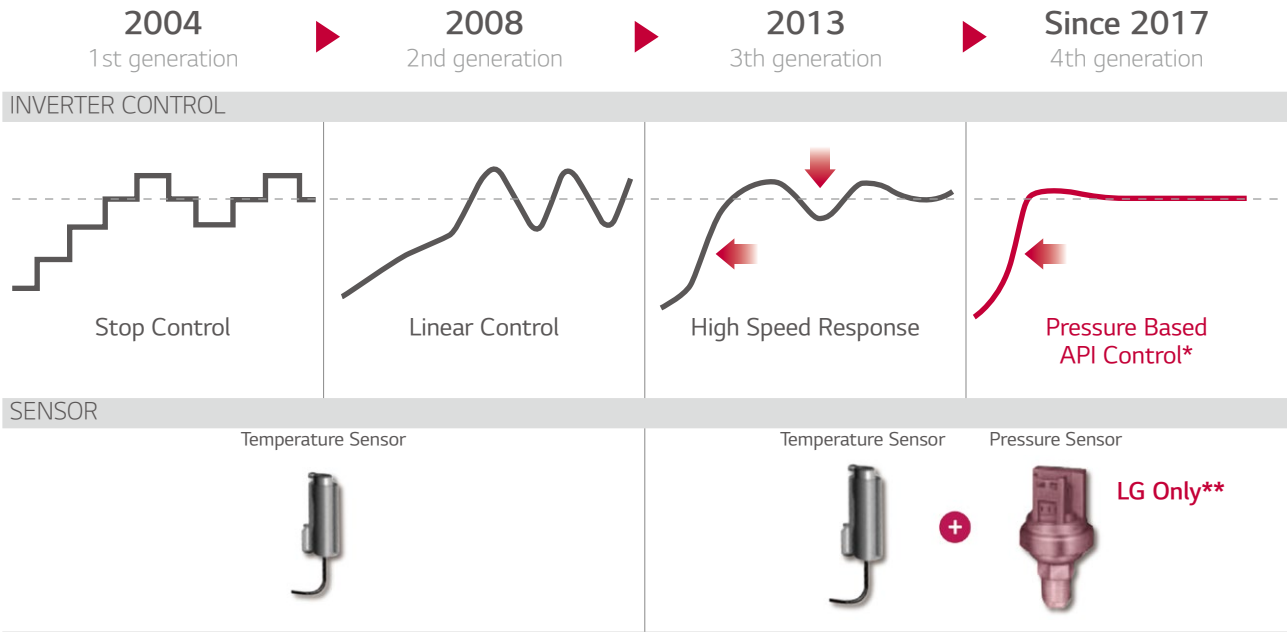
Quick Cooling with Smart Sensor

At the same condition, the inverter reaches the set temperature about 30% faster than the constant speed.



Inverter Control

Smart sensors make quick and precise cooling possible. (Same sensor with Multi V)

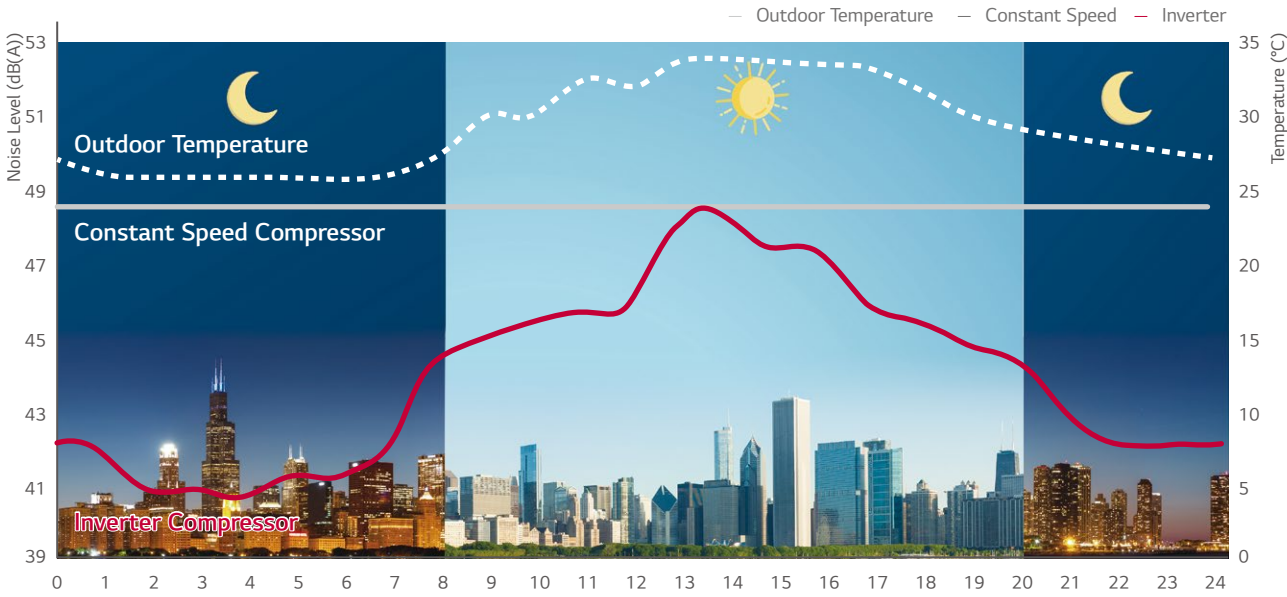


* API Control : Adaptive Proportional Intergrated control.

COMFORT

Low Noise

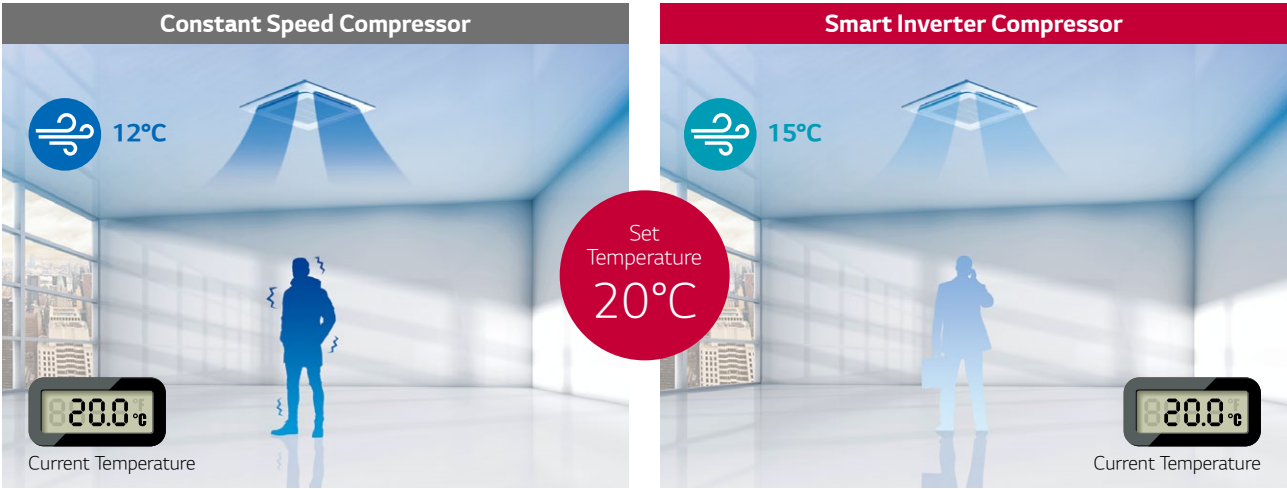
Inverter makes lower noise than constant speed due to adjustable frequency according to the load.



* Noise level in residential environment : 60dB(A) : Normal conversation, 50dB(A) : office, 40dB(A) : Livingroom
* This result can be different depending on actual environment.
* The value of noise level is based on "A*UW18G**T2"

Optimum Cooling

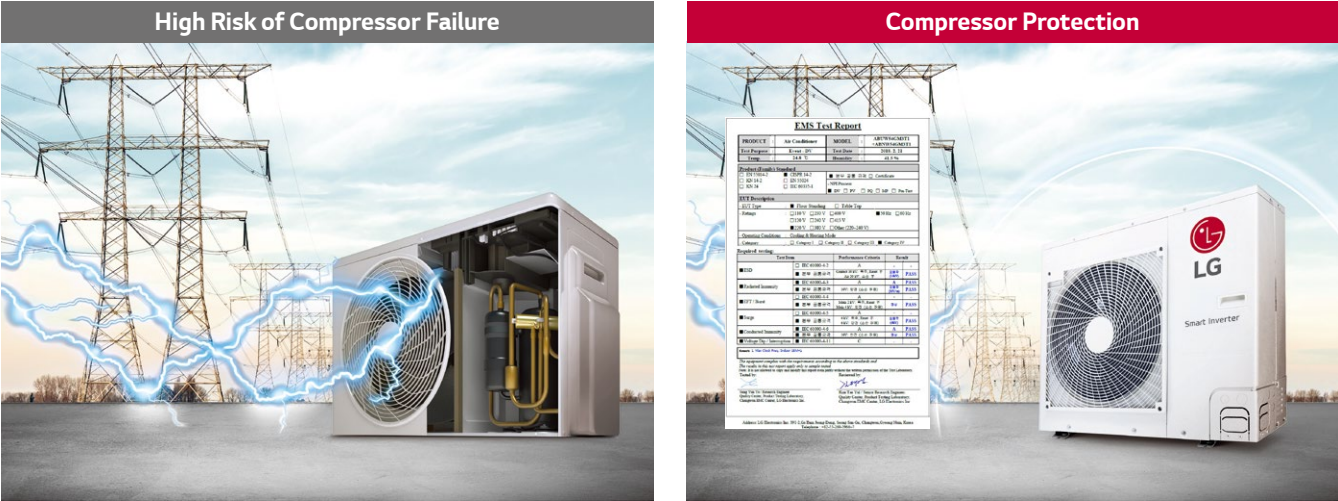
When indoor temperature reaches near to the target temperature, LG Smart Inverter adjusts its discharge air temperature to prevent the indoor from being overcooled.



RELIABILITY

High and Low Voltage Protection

Below low voltage limit, inverter compressor reduces frequency(Hz) and boost DC voltage, over high voltage limit, cuts off the relay to prevent damage of DC capacitor.



Wide Operation Range

Be able to operate at extreme conditions.

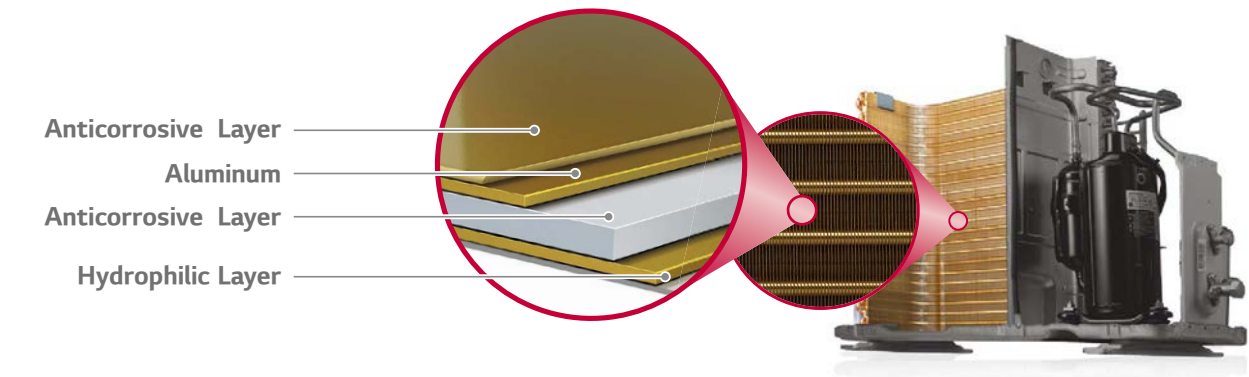


※ Differences of operation range by model type.

RELIABILITY

Corrosion Resistant Heat Exchanger

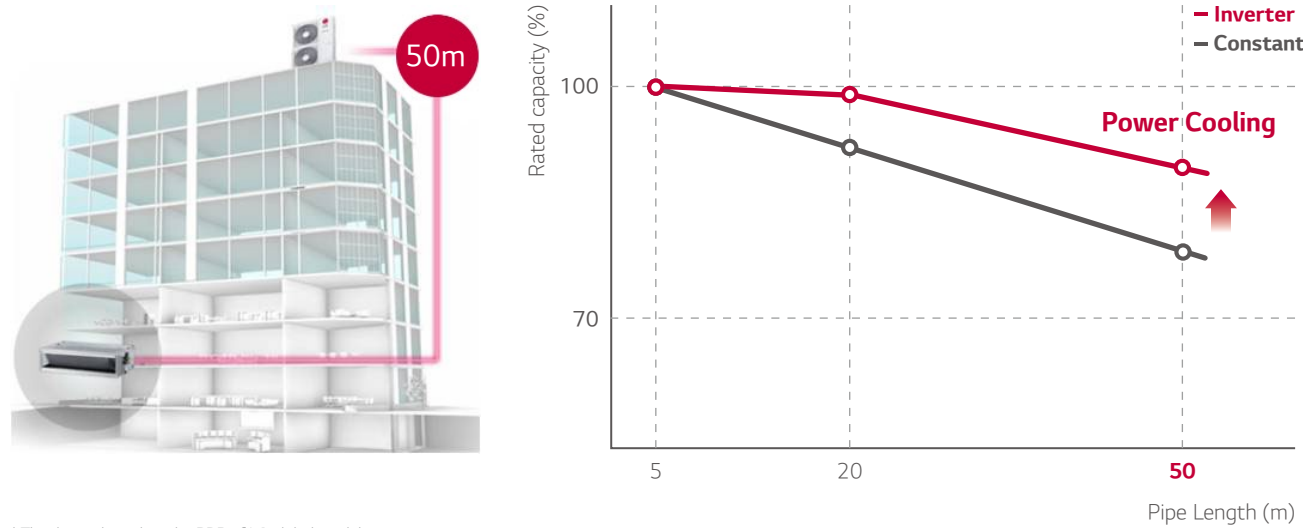
The fin of heat exchanger covered with gold-colored special coating prevents corrosion, extending the lifespan of the unit.



* Only for Tropical models.

Power Cooling at the Long Pipe

It has capacity of 10% higher more than constant model at the 50m pipe length.



* The data is based on the PDB of LG global model.
* Test condition (Temperature) : 27 / 35 °C (Indoor / Outdoor)

Detection of Refrigerant Shortage

Detect the refrigerant level continuously and judge if the refrigerant is insufficient. If the amount of refrigerant is under 60% in the system, it can check the error display of remote controller and running will be stopped.



Black box for emergency

Quick Service can be done because operation data is saved before system failure.

Without Black Box Function	With Black Box Function
Check many reasons of failure and error codes in person Take much service time and undergo trial and error	Record operation data for Autosave function before system failure! Search for a reason of failure easily by using recorded data Save service time and diagnose product more accurately

* It can be checked by using SIMs or LG MV

CONVENIENCE

CONVENIENCE

LG ThinQ

Control your air conditioners via using the smart internet devices such as Android or iOS based smart phones. This advanced technology provides you the best convenience.



Simple operation for various functions



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

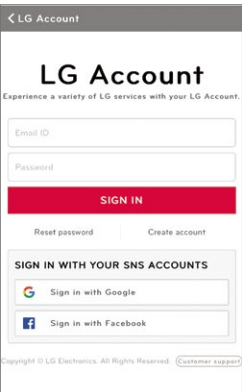
* Search "LG Smart ThinQ" on Google market or Appstore then download the app.
* Wi-Fi modem (PWFMD200) is required by option.

Access your air conditioner anytime and from anywhere



Easy Registration and Log-in

Follow the easy set-up steps. It will show LG ThinQ's impressive features.



Simple operation for various functions

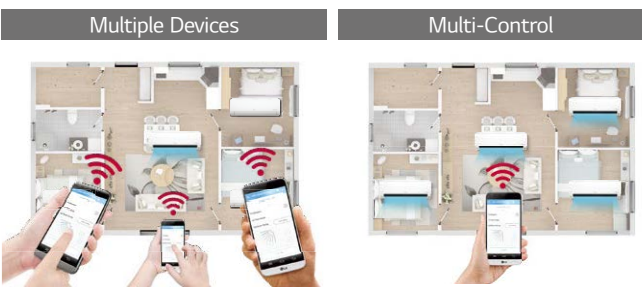


On / Off, Current Temp.

Mode, Set Temp.

Vane Control

Wi-Fi Connectivity



※ Can be controlled by multiple users, but not simultaneously.

Straight forward Management



Reservation

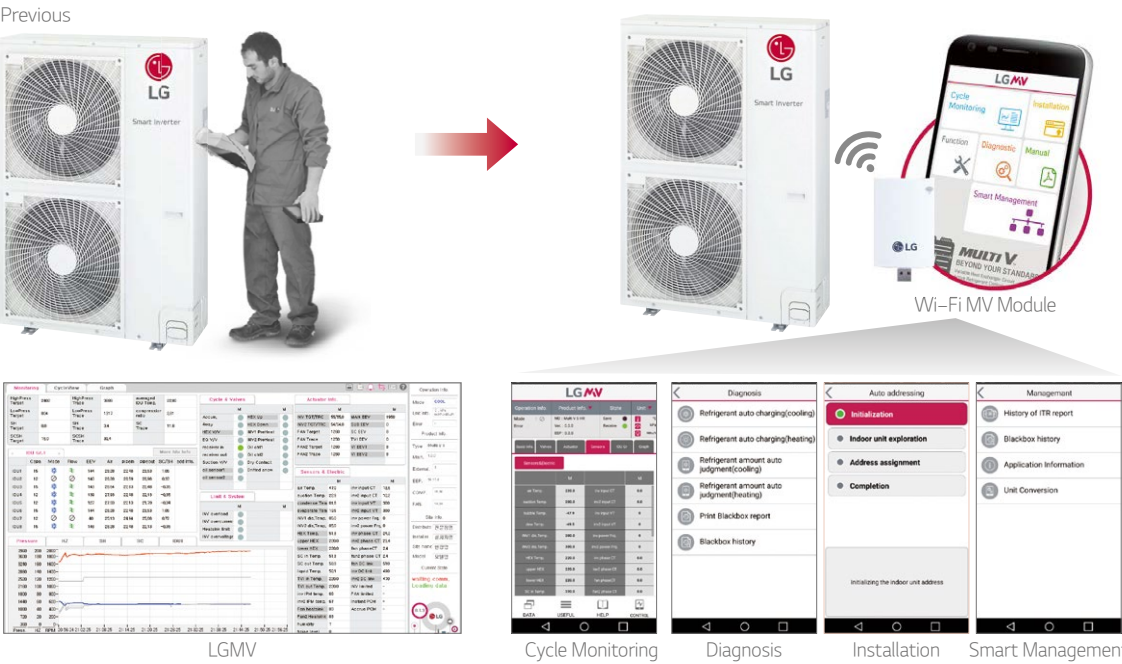
Energy Monitoring

Smart Diagnosis

Filter Management

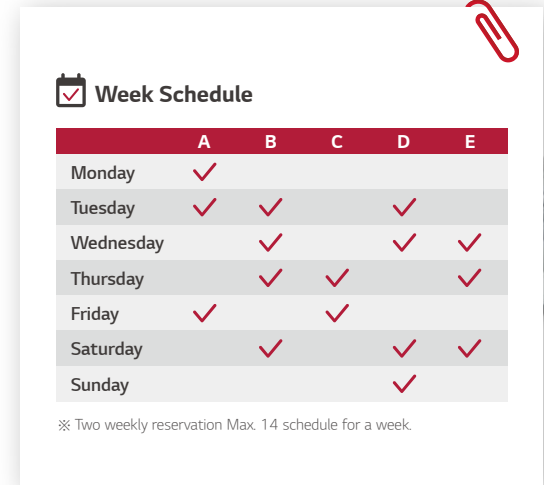
Simple Test Run Via LGMV (Monitoring Viewer)

Fast and accurate auto test run can be executed and the professional installer running the test can receive test results via email, which shortens installation hours and increases overall efficiency in installation processes.



Weekly Program

You can set the daily temperature and automatic on/off time for one week. It will keep running depending on that time before the user changes or cancels it.



Week Schedule

	A	B	C	D	E
Monday	✓				
Tuesday	✓	✓		✓	
Wednesday		✓		✓	✓
Thursday		✓	✓		✓
Friday	✓		✓		
Saturday		✓		✓	✓
Sunday				✓	

※ Two weekly reservation Max. 14 schedule for a week.



SINGLE SPLIT

- Ceiling Mounted Cassette
- Ceiling Concealed Duct
- Ceiling Suspended Unit
- Single Package



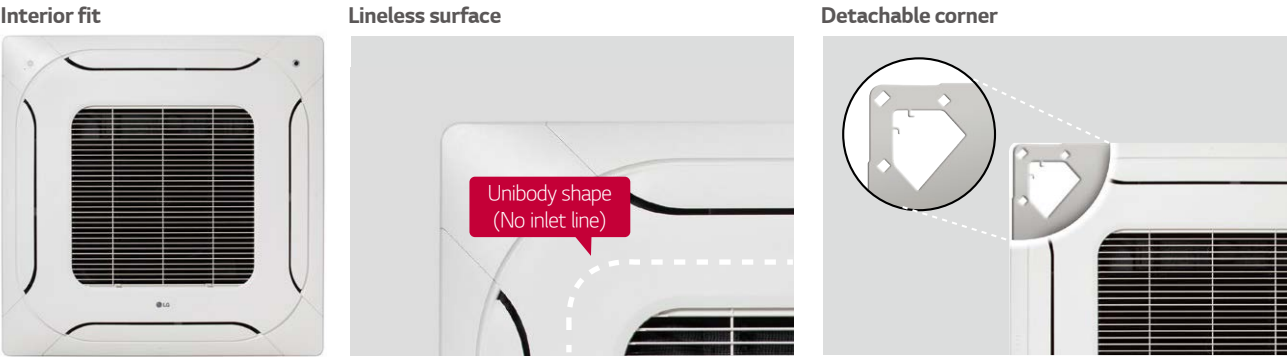
CEILING MOUNTED CASSETTE



CEILING MOUNTED CASSETTE

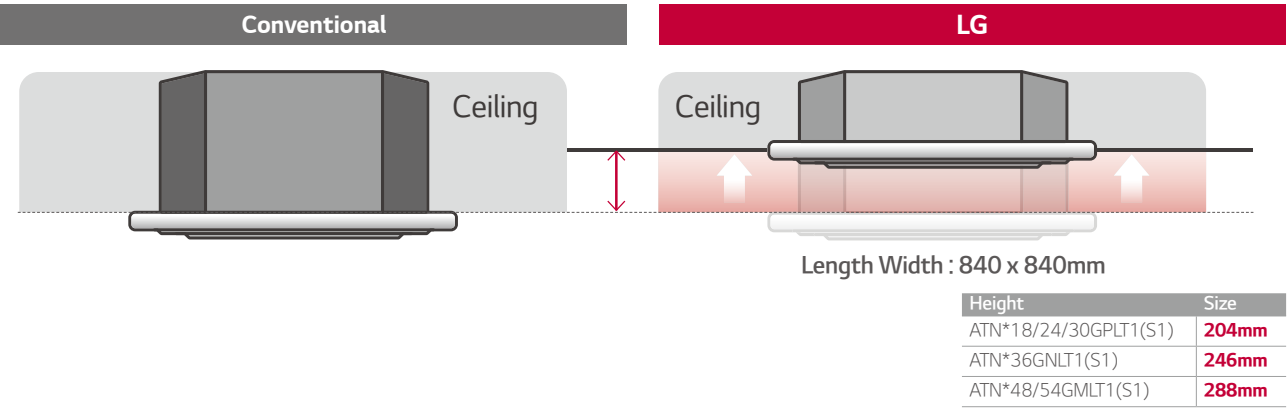
Stylish Design Panel

New 4 way cassette panel adapted a unibody shape that matches with the ceiling.



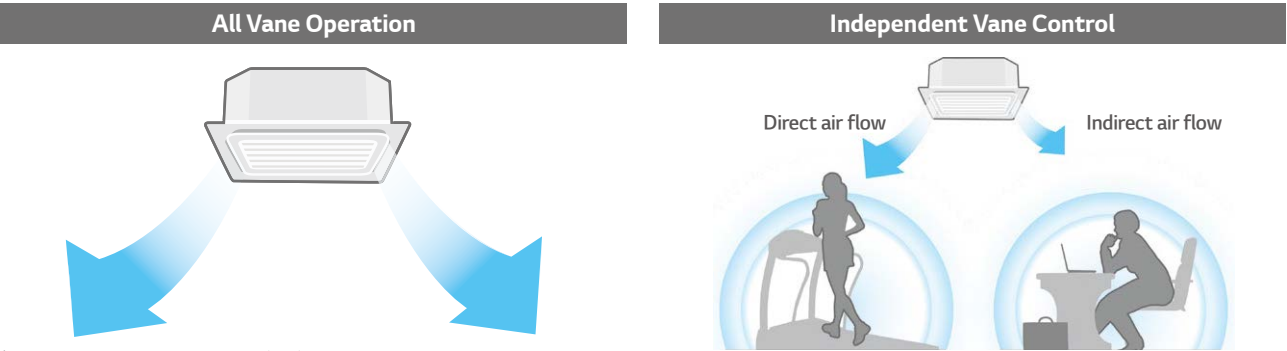
Compact Size

Slim & compact design not only saves space but also reduces installation costs. It's designed to be suitable for most of building designs and fits into various spaces.



Independent Vane Operation

The independent vane operation feature uses separate motors, making it possible to control all four vanes independently.

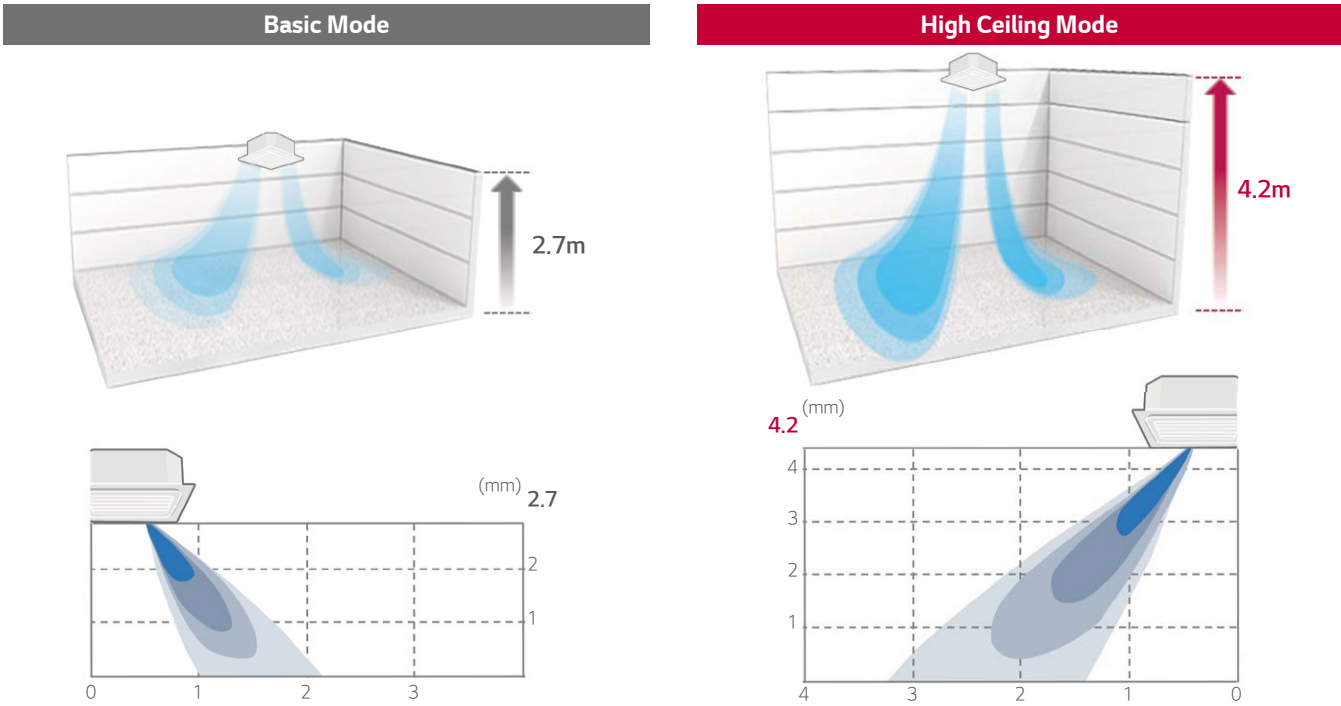


* Wired remote controller PQRCVSL0(QW) applied

CEILING MOUNTED CASSETTE

High Ceiling Mode

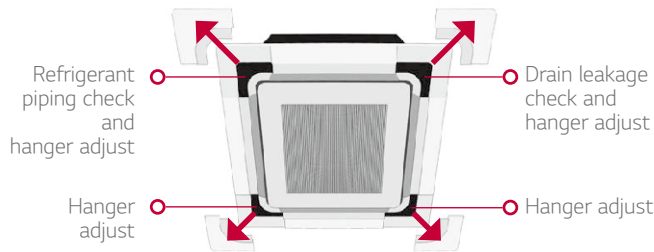
Airflow in a space with a 4.2m ceiling height is available with this indoor unit. Further, air flow can be strengthened by adjusting the fan speed.



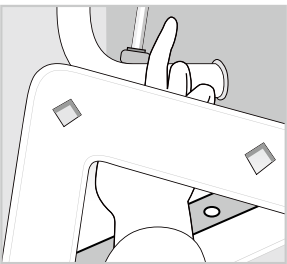
Convenient Panel Installation

The detachable corner design makes it easy to adjust the hanger during installation and to check leakages in the drain connection pipe. It is easy to install the panel to the body, using the button type panel design.

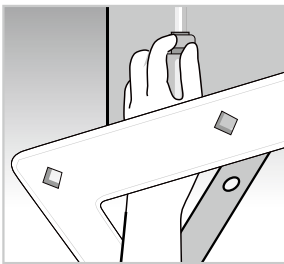
Detachable Corner Design



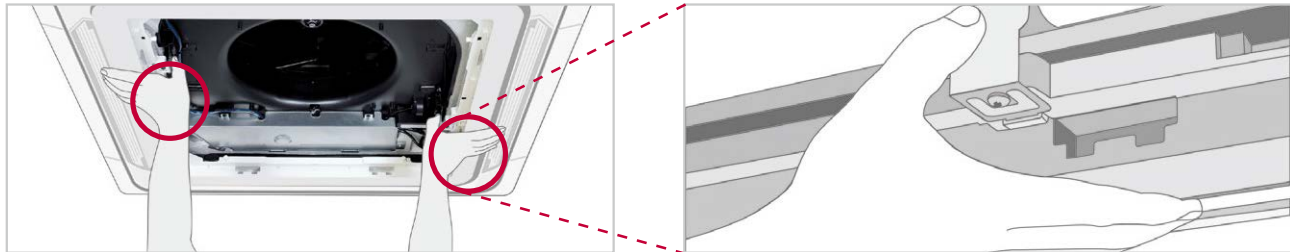
Drain Leakage Check



Hanger Adjust



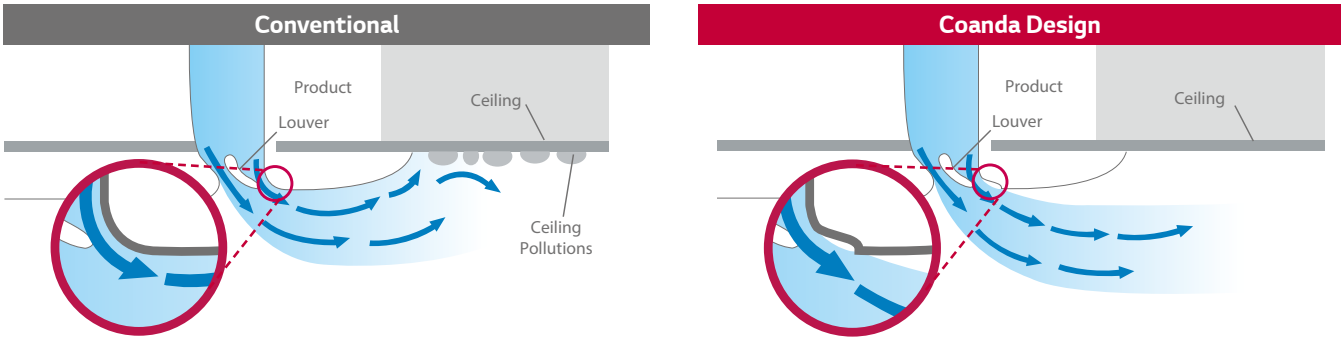
It is easy to install the panel to the body, using the button type panel design.



CEILING MOUNTED CASSETTE

Prevent Ceiling Pollution

Coanda design of air outlet can prevent contamination of ceiling.



Cassette Panel

Key Features

Stylish designed panels make more unique space by various applications.

4 Way Cassette Panel



PT-QCHW0, PT-MCHW0



PT-MCGW0,
PT-MPGW0 (Air Purification)

Specification

Model		Suction Type	Color (RAL)	Gloss	Weight (kg)	Dimension (mm)			Applied model capacity (kW)*				
						W	H	D	MULTI V	Single Split		Multi Split	
									R410A	R32	R410A	R32	R410A
4 Way	PT-QCHW0	Grill	Morning Fog (RAL 9001)	-	3.0	620	35	620	1.6 ~ 6.2	2.5 ~ 5.0	2.5 ~ 5.0	1.5 ~ 5.3	1.5 ~ 5.3
	PT-MCHW0	Grill	Morning Fog (RAL 9001)	-	6.3	950	35	950	7.1 ~ 15.8	6.8 ~ 14.6	6.8 ~ 14.6	6.7	-
	PT-MCGW0	Grill	Morning Fog (RAL 9001)	-	5.0	950	35	950	7.1 ~ 15.8	6.8 ~ 14.6	6.8 ~ 14.6	6.7	6.7
	PT-MPGW0 (Air Purify)	Grill	Morning Fog (RAL 9001)	-	5.0	950	35	950	7.1 ~ 15.8	6.8 ~ 14.6	6.8 ~ 14.6	6.7	6.7

CEILING MOUNTED CASSETTE

CEILING MOUNTED CASSETTE



Combination		Outdoor unit		Unit	UU18WC	UU24WC
		Indoor unit			UT18WC	UT24WC
Capacity	Cooling ¹	Min. ~ Rated ~ Max.	kW	1.8 ~ 5.2 ~ 5.5	2.8 ~ 7.0 ~ 8.1	
		Min. ~ Rated ~ Max.	Btu/h	6,100 ~ 17,700 ~ 18,800	9,600 ~ 23,900 ~ 27,600	
	Cooling ²	Rated	kW	4.20	5.75	
		Rated	Btu/h	14,300	19,600	
	Heating	Min. ~ Rated ~ Max.	kW	1.9 ~ 5.3 ~ 5.8	3.0 ~ 7.6 ~ 8.6	
		Min. ~ Rated ~ Max.	Btu/h	6,500 ~ 18,100 ~ 19,800	10,200 ~ 25,900 ~ 29,300	
Power Input	Cooling ¹	Rated	kW	1,620.00	2,325.00	
	Cooling ²	Rated	kW	1,750.00	2,600.00	
	Heating	Rated	kW	1,560.00	2,235.00	
EER / COP	Cooling ¹ / Heating		W / W	3.21 / 3.41	3.01 / 3.40	
Outdoor Unit					UU18WC	UU24WC
Power Supply			V , Ø , Hz	220-240 , 1 , 50	220-240 , 1 , 50	
Power Supply Cable (included Earth)			No.x mm ² (AWG)	3C × 2.5 (12)	3C × 2.5 (12)	
Casing Color				Warm Gray	Warm Gray	
Dimensions		W x H x D	mm	770 × 545 × 288	870 × 650 × 330	
Net Weight		Body	kg (lbs)	35.5 (78.3)	44.8 (98.8)	
Compressor	Type			Twin Rotary	Twin Rotary	
Refrigerant	Type			R410A	R410A	
Fan Motor	Type			BLDC	BLDC	
Sound Pressure Level	Cooling	Rated	dB(A)	53	55	
	Heating	Rated	dB(A)	54	56	
Piping Connections	Liquid	Outer Dia.	mm (inch)	Ø 6.35 (1/4)	Ø 9.52 (3/8)	
	Gas	Outer Dia.	mm (inch)	Ø 12.7 (1/2)	Ø 15.88 (5/8)	
Piping Length		Max.	m (ft)	25 (82.0)	30 (98.4)	
Maximum Height Difference	Outdoor Unit - Indoor Unit	Max.	m (ft)	15 (49.2)	30 (98.4)	
Indoor			Unit	UT18WC	UT24WC	
Power Supply			V, Ø, Hz	220-240 , 1 , 50	220-240 , 1 , 50	
Dimensions	Body	W x H x D	mm	840 × 204 × 840	840 × 204 × 840	
Net Weight			kg (lbs)	21 (46.3)	21 (46.3)	
Air Flow Rate		H / M / L	m ³ /min	16.5 / 14.5 / 13.0	17.0 / 15.0 / 13.0	
Fan Motor	Type			BLDC	BLDC	
Sound Pressure Level	Cooling	H / M / L	dB(A)	38 / 36 / 34	40 / 38 / 36	
	Heating	H / M / L	dB(A)	38 / 36 / 34	40 / 38 / 36	
Safety Devices				Fuse	Fuse	

Notes
- Cooling¹⁾ : Indoor Temperature 27°C (80.6°F) DB / 19°C (66.2°F) WB, Outdoor Temperature 35°C (95°F) DB / 24°C (75.2°F) WB
- Cooling²⁾ : Indoor Temperature 29°C (84.2°F) DB / 19°C (66.2°F) WB, Outdoor Temperature 46°C (114.8°F) DB / 24°C (75.2°F) WB
- Heating Temperature : Indoor 20°C (68°F) DB / 15°C (59°F) WB, Outdoor 7°C (44.6°F) DB / 6°C (42.8°F) WB

UU30WC	UU36WC	UU49WC1	UU61WC1
UT30WC	UT36WC	UT48WC	UT60WC
3.0 ~ 7.8 ~ 8.4	4.0 ~ 10.5 ~ 11.0	5.6 ~ 14.0 ~ 15.0	6.0 ~ 15.0 ~ 16.0
10,200 ~ 26,600 ~ 28,700	13,600 ~ 35,800 ~ 37,500	19,100 ~ 47,800 ~ 51,200	20,500 ~ 51,200 ~ 54,600
6.40	8.70	12.10	12.40
21,800	29,700	41,300	42,300
3.2 ~ 8.4 ~ 8.8	4.3 ~ 11.2 ~ 11.7	6.1 ~ 15.3 ~ 16.5	6.8 ~ 16.9 ~ 18.2
10,900 ~ 28,700 ~ 30,000	14,700 ~ 38,200 ~ 39,900	20,800 ~ 52,200 ~ 56,300	23,200 ~ 57,700 ~ 62,100
2,590.00	3,490.00	4,380.00	4,950.00
3,150.00	3,500.00	5,140.00	5,250.00
2,770.00	3,190.00	4,490.00	5,450.00
3.01 / 3.01	3.00 / 3.51	3.20 / 3.41	3.03 / 3.10
UU30WC	UU36WC	UU49WC1	UU61WC1
220-240 , 1 , 50	220-240 , 1 , 50	220-240 , 1 , 50	220-240 , 1 , 50
3C x 2.5 (12)	3C x 2.5 (12)	3C x 6.0 (10)	3C x 6.0 (10)
Warm Gray	Warm Gray	Warm Gray	Warm Gray
870 x 650 x 330	950 x 834 x 330	950 x 1,380 x 330	950 x 1,380 x 330
44.8 (98.8)	58.0 (127.9)	90.0 (198.4)	90.0 (198.4)
Twin Rotary	Twin Rotary	Twin Rotary	Twin Rotary
R410A	R410A	R410A	R410A
BLDC	BLDC	BLDC	BLDC
55	56	55	55
56	58	57	57
Ø 9.52 (3/8)	Ø 9.52 (3/8)	Ø 9.52 (3/8)	Ø 9.52 (3/8)
Ø 15.88 (5/8)	Ø 15.88 (5/8)	Ø 19.05 (3/4)	Ø 19.05 (3/4)
30 (98.4)	40 (131.2)	50 (164.0)	50 (164.0)
30 (98.4)	30 (98.4)	30 (98.4)	30 (98.4)
UT30WC	UT36WC	UT48WC	UT60WC
220-240 , 1 , 50	220-240 , 1 , 50	220-240 , 1 , 50	220-240 , 1 , 50
840 x 204 x 840	840 x 288 x 840	840 x 288 x 840	840 x 288 x 840
21 (46.3)	28 (61.7)	28 (61.7)	28 (61.7)
19.0 / 17.0 / 15.0	28.5 / 24.5 / 21.0	32.0 / 30.0 / 27.5	32.0 / 30.0 / 27.5
BLDC	BLDC	BLDC	BLDC
42 / 39 / 37	48 / 46 / 44	52 / 51 / 48	52 / 51 / 48
42 / 39 / 37	48 / 46 / 44	52 / 51 / 48	52 / 51 / 48
Fuse	Fuse	Fuse	Fuse

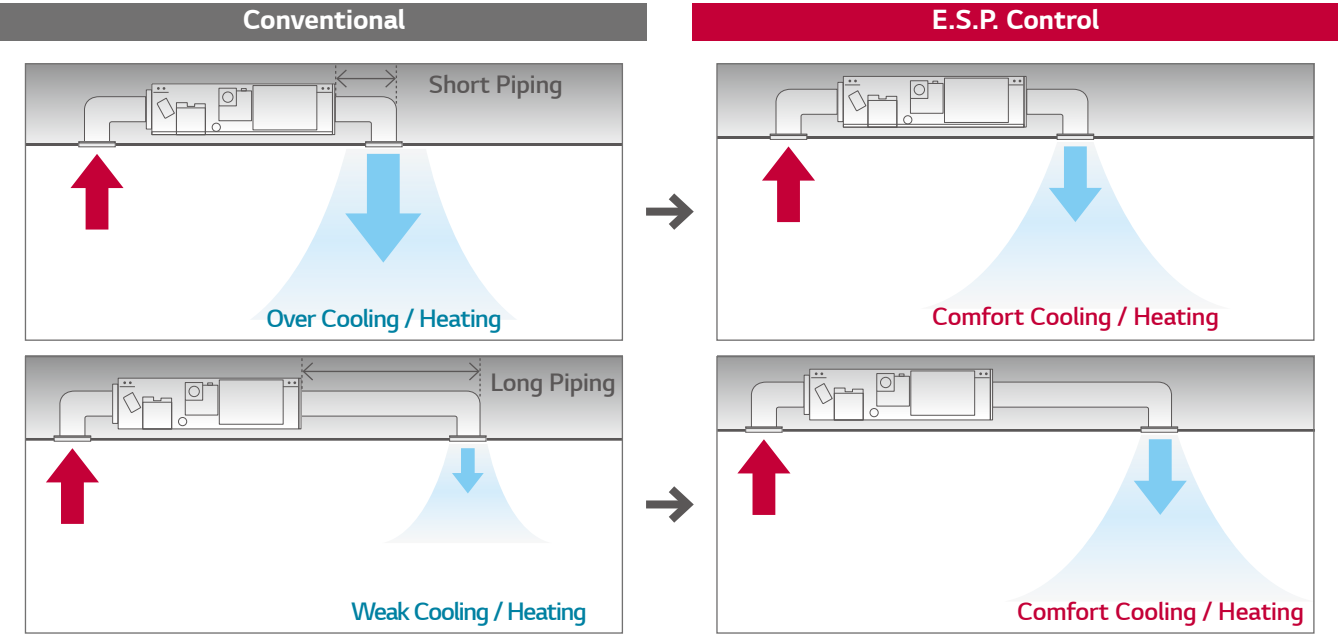
CEILING CONCEALED DUCT



CEILING CONCEALED DUCT

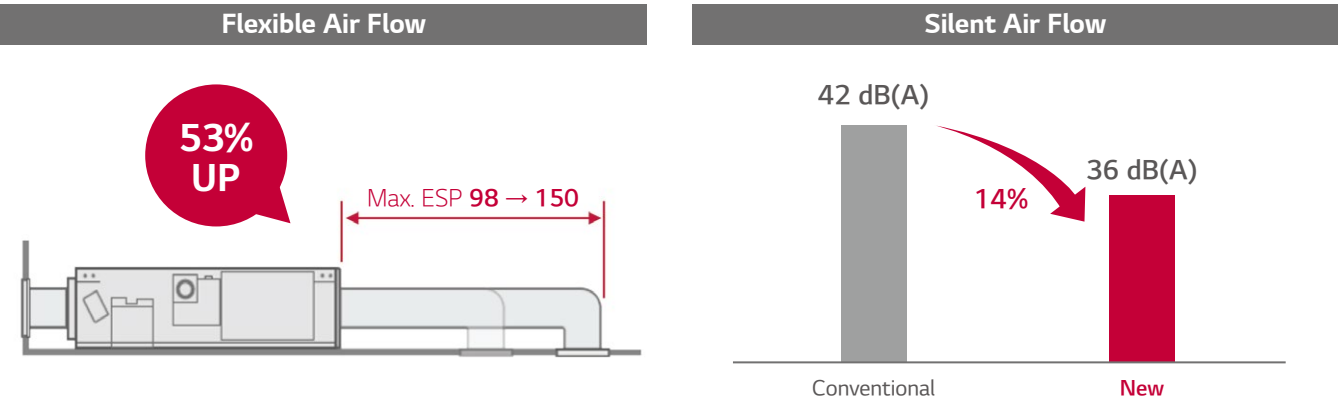
E.S.P. (External Static Pressure) Control

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 air flow.



Maximized E.S.P. (External Static Pressure)

With new indoor tool, connectable duct length is more longer than current running unit because the maximum E.S.P. is improved. Noise level also decreased about 14%

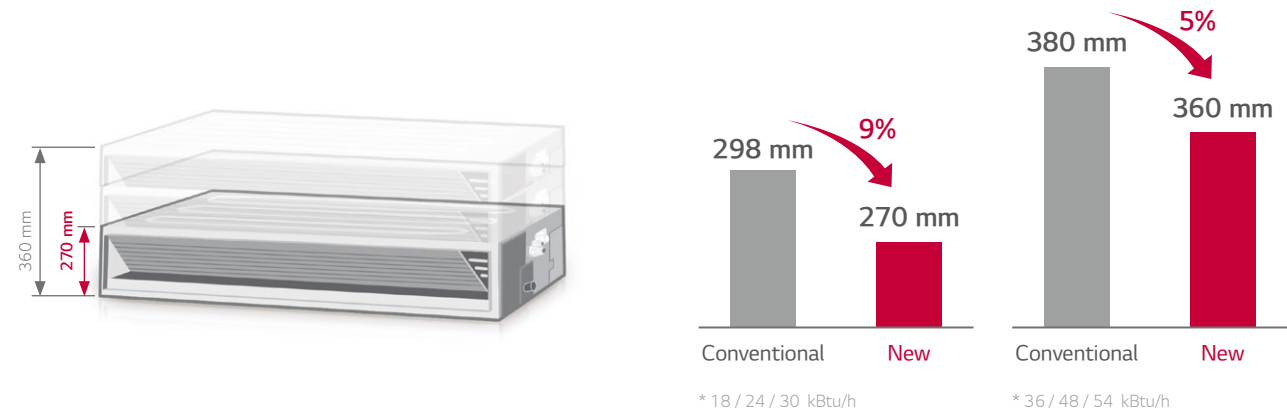


* Model : 36 kBtu/h (ABN*36GM3T1)

CEILING CONCEALED DUCT

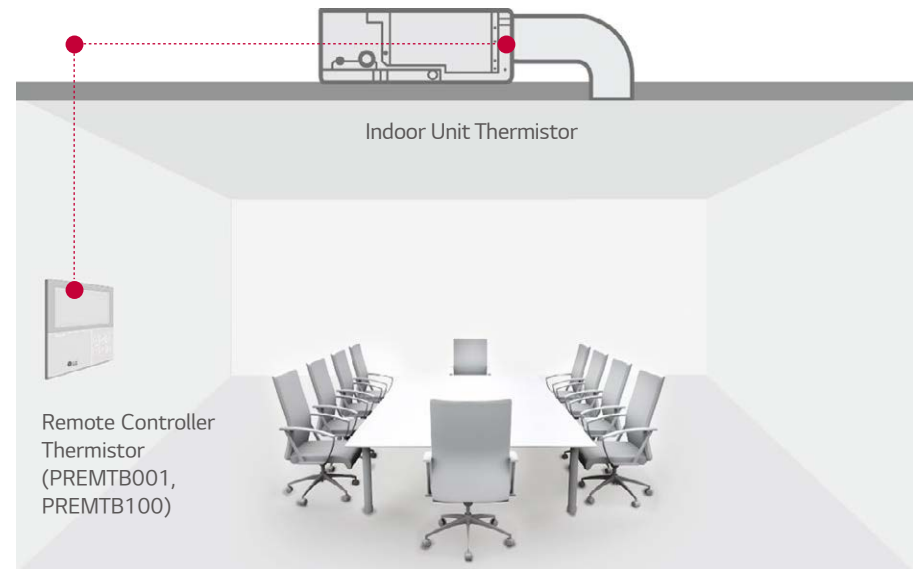
Minimized Height

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



Two Thermistors Control

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



Compares temperatures sensed from different positions, and automatically selects the optimum temperature for users

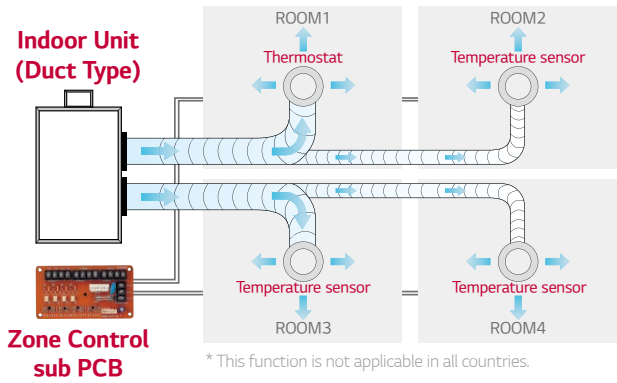
CEILING CONCEALED DUCT

Operation for Multiple Rooms

Using a spiral duct (Embedded or flexible type) and stream chamber, it is possible to operate cooling / heating for several rooms simultaneously. Also, zone control is available with zone controller accessory (ABZCA)

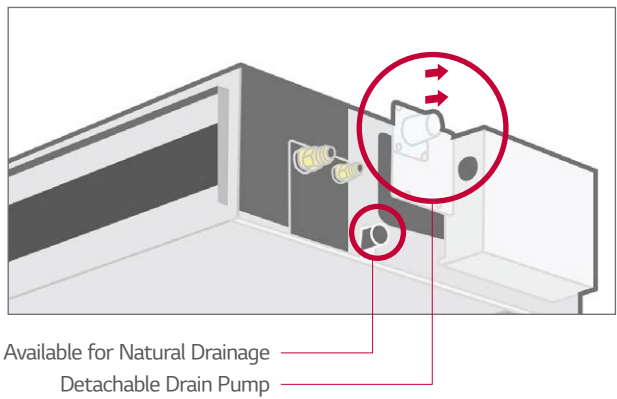
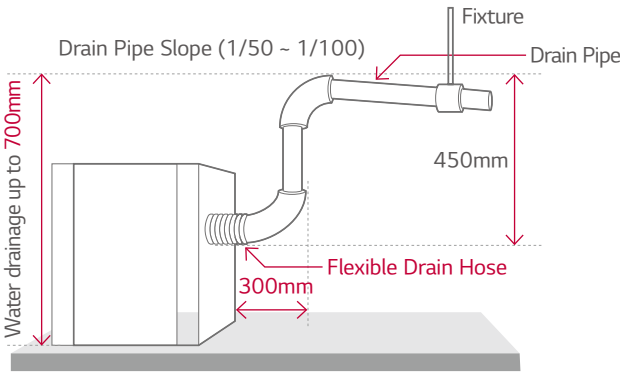
Zone control features

- Controls different zones (up to 4 zones) by external thermostat (AC 24V)
- Maintain proper air volume of each zone
- Auto variation of dampers
- Auto control of fan speed and On / Off operation



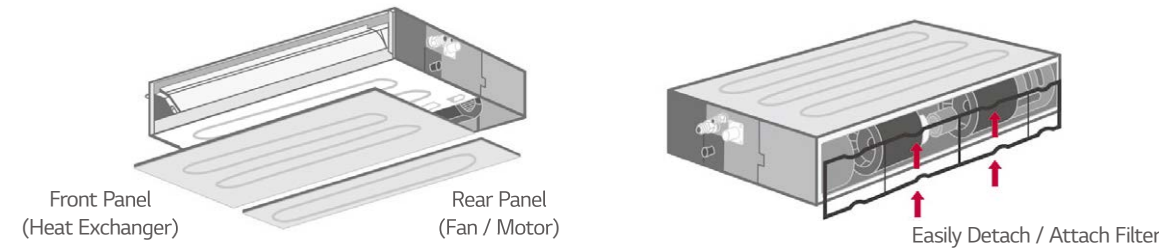
High Head Drain Pump

High head drain pump automatically drains water up to a height of 200mm of drain-head height. It provides the perfect solution for draining of water. (Standard Inverter : Accessory (ABDPG) / Low-Static Duct : Included)



Easy Service & Maintenance

Users are not required to disassemble the whole panel for maintenance; since panel is divided into 2 components; one for heat exchanger and the other for fan/motor. Users can easily detach and re-attach the filter in the available limited space.



CEILING CONCEALED DUCT

CEILING CONCEALED DUCT

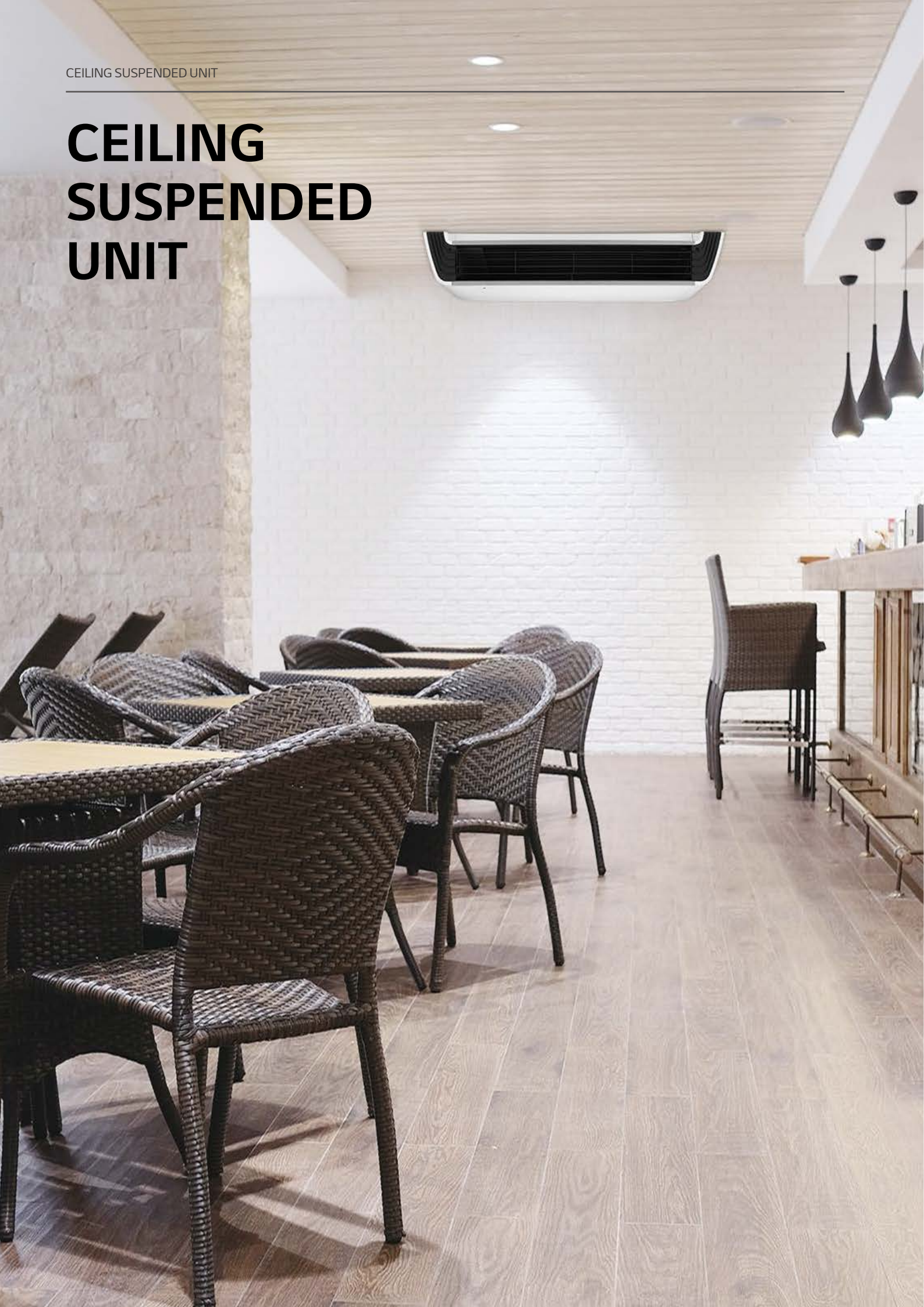


Combination		Outdoor unit		Unit	UU18WC	UU24WC
		Indoor unit			UM18WC	UM24WC
Cooling Capacity ¹⁾		Min. ~ Rated ~ - Max.	kW	1.8 ~ 5.2 ~ 5.5	2.8 ~ 7.0 ~ 8.1	
				Btu/h	6,100 ~ 17,700 ~ 18,800	9,600 ~ 23,900 ~ 27,600
Cooling Capacity ²⁾		Min. ~ Rated ~ - Max.	kW	4.20	5.75	
				Btu/h	14,300	19,600
Heating Capacity ¹⁾		Min. ~ Rated ~ - Max.	kW	1.9 ~ 5.3 ~ 6.1	3.0 ~ 7.6 ~ 8.7	
				Btu/h	6,500 ~ 18,100 ~ 20,800	10,200 ~ 25,900 ~ 29,700
Power Input	Cooling ¹⁾	Rated	kW	1700	2325	
	Cooling ²⁾	Rated	kW	1750	2650	
	Heating ¹⁾	Rated	kW	1650	2300	
EER / COP			W/W	3.06 / 3.21	3.01 / 3.30	
Outdoor			Unit	UU18WC	UU24WC	
Power Supply			V , Ø , Hz	220-240 , 1 , 50	220-240 , 1 , 50	
Power Supply Cable (included Earth)			No. × mm ²	3C × 2.5 (12)	3C × 2.5 (12)	
Casing Color			-	Warm Gray	Warm Gray	
Dimensions	Net	W × H × D	mm	770 × 545 × 288	870 × 650 × 330	
Weight	Net		kg	35.5 (78.3)	44.8 (98.8)	
Compressor	Type			Twin Rotary	Twin Rotary	
Refrigerant	Type			R410A	R410A	
Fan	Air Flow Rate	Rated	m ³ /min × No	Propeller	Propeller	
Fan Motor	Type		-	28 × 1	50 × 1	
Sound Pressure Level	Cooling	Rated	dB(A)	BLDC	BLDC	
	Heating	Rated	dB(A)	53	55	
Piping Connections	Liquid	Outer Dia.	mm (inch)	54	56	
	Gas	Outer Dia.	mm (inch)	Ø 6.35 (1/4)	Ø 9.52 (3/8)	
Piping Length		Rated	m	Ø 12.7 (1/2)	Ø 15.88 (5/8)	
		Max.	m	25 (82.0)	30 (98.4)	
Maximum Height Difference (ODU ~ IDU)		Max.	m	15 (49.2)	30 (98.4)	
Indoor			Unit	UM18WC	UM24WC	
Type				Ceiling Concealed Duct-Mid. Pressure		
Power Supply			V , Ø , Hz	220-240 , 1 , 50	220-240 , 1 , 50	
Dimensions	Net	W × H × D	mm	900 × 270 × 700	900 × 270 × 700	
Weight	Net		kg	23.8 (52.5)	24.2 (53.4)	
Fan Motor	Type			BLDC	BLDC	
External static pressure	High Mode_Factory Set		Pa (mmAq)	58.8 (6)	58.8 (6)	
Safety Device				Fuse	Fuse	
Sound Pressure Level	Cooling	H / M / L	dB(A)	36 / 34 / 32	37 / 36 / 34	
	Heating			36 / 34 / 32	37 / 36 / 34	

Notes
- Cooling ¹⁾ : Indoor Temperature 27°C (80.6°F) DB / 19°C (66.2°F) WB, Outdoor Temperature 35°C (95°F) DB / 24°C (75.2°F) WB
- Cooling ²⁾ : Indoor Temperature 29°C (84.2°F) DB / 19°C (66.2°F) WB, Outdoor Temperature 46°C (114.8°F) DB / 24°C (75.2°F) WB
- Heating Temperature : Indoor 20°C (68°F) DB / 15°C (59°F) WB, Outdoor 7°C (44.6°F) DB / 6°C (42.8°F) WB

UU30WC	UU36WC	UU49WC1	UU61WC1
UM30WC	UM36WC	UM48WC	UM60WC
3.0 ~ 7.8 ~ 8.5	3.6 ~ 9.5 ~ 10.5	5.6 ~ 14.1 ~ 15.1	6.3 ~ 15.6 ~ 16.8
10,200 ~ 26,600 ~ 29,000	12,300 ~ 32,400 ~ 35,800	19,100 ~ 48,100 ~ 51,500	21,500 ~ 53,200 ~ 57,300
6.50	7.80	12.00	13.40
22,200	26,600	40,900	45,700
3.2 ~ 8.0 ~ 9.0	4.0 ~ 10.5 ~ 11.5	6.3 ~ 15.8 ~ 16.8	6.8 ~ 17 ~ 18.2
10,900 ~ 28,700 ~ 30,700	13,600 ~ 35,800 ~ 39,200	21,500 ~ 53,900 ~ 57,300	23,200 ~ 58,000 ~ 62,100
2590	3155	4390	5190
3150	3160	4850	5690
2650	3080	4630	4860
3.01 / 3.01	3.01 / 3.41	3.21 / 3.41	3.01 / 3.50
UU30WC	UU36WC	UU49WC1	UU61WC1
220-240 , 1 , 50	220-240 , 1 , 50	220-240 , 1 , 50	380-415 , 3 , 50
3C x 2.5 (12)	3C x 2.5 (12)	3C x 6.0 (10)	5C x 2.5 (12)
Warm Gray	Warm Gray	Warm Gray	Warm Gray
870 x 650 x 330	950 x 834 x 330	950 x 1,380 x 330	950 x 1,380 x 330
44.8 (98.8)	58.0 (127.9)	90.0 (198.4)	90.0 (198.4)
Twin Rotary	Twin Rotary	Twin Rotary	Twin Rotary
R410A	R410A	R410A	R410A
Propeller	Propeller	Propeller	Propeller
50 x 1	58 x 1	58 x 2	58 x 2
BLDC	BLDC	BLDC	BLDC
55	56	55	55
56	58	57	57
Ø 9.52 (3/8)	Ø 9.52 (3/8)	Ø 9.52 (3/8)	Ø 9.52 (3/8)
Ø 15.88 (5/8)	Ø 15.88 (5/8)	Ø 19.05 (3/4)	Ø 19.05 (3/4)
30 (98.4)	40 (131.2)	50 (164.0)	50 (164.0)
30 (98.4)	30 (98.4)	30 (98.4)	30 (98.4)
UM30WC	UM36WC	UM48WC	UM60WC
Ceiling Concealed Duct-Mid. Pressure			
220-240 , 1 , 50	220-240 , 1 , 50	220-240 , 1 , 50	220-240 , 1 , 50
900 x 270 x 700	1,250 x 270 x 700	1,250 x 360 x 700	1,250 x 360 x 700
25.3 (55.8)	36.0 (79.4)	42.3 (93.3)	42.3 (93.3)
BLDC	BLDC	BLDC	BLDC
58.8 (6)	58.8 (6)	58.8 (6)	58.8 (6)
Fuse	Fuse	Fuse	Fuse
39 / 37 / 36	38 / 36 / 35	41 / 39 / 37	44 / 42 / 41
39 / 37 / 36	38 / 36 / 35	41 / 39 / 37	44 / 42 / 41

CEILING SUSPENDED UNIT



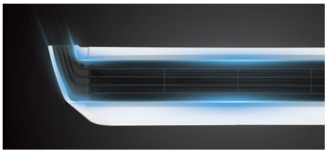
CEILING SUSPENDED UNIT

IF Winning Design

With its stunning V-shaped design and black vane, LG's new ceiling-suspended air conditioner exudes modern elegance which is appropriate for any space.



Black Vane

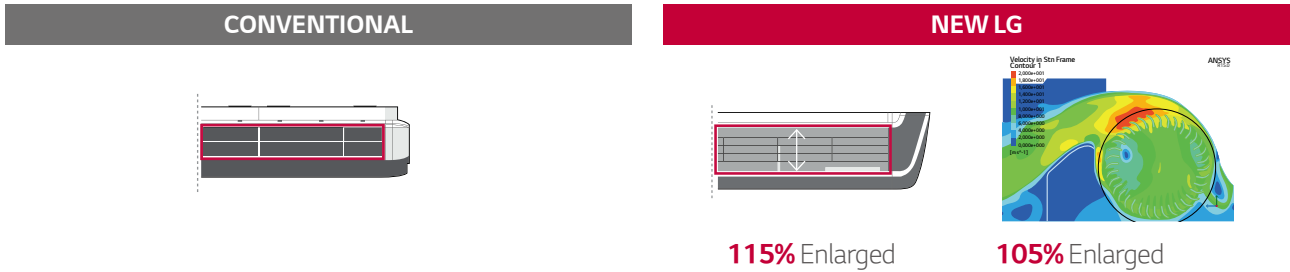


V-Shaped Design

COMMERCIAL

Large Capacity

An enlarged outlet space optimized the air flow path and improved heat exchanger's performance. Its 30 percent faster cooling enables quick & wide cooling.



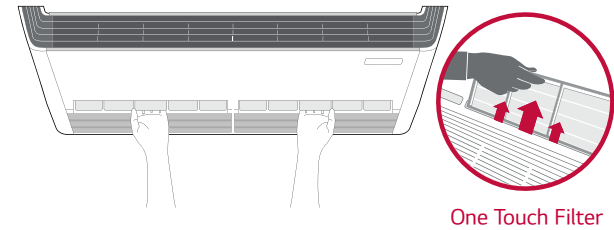
15m Long Air Flow

The powerful air speed and high volume features enhance the flow of air, and it reaches up to 15m away from the air conditioner.



One Touch Filter Changing

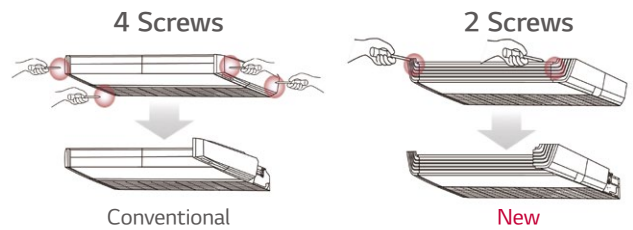
An easy In / Out filter structure as well as a simplified two-piece filter, which slides out for easy cleaning and maintenance.



One Touch Filter

Easy Installation

Installation speed and ease are improved by reducing the total number of screws and placing them on the easily accessible front panel.



Conventional

New

CEILING SUSPENDED UNIT



UU36WC

Combination	Outdoor unit		Unit	UU36WC
	Indoor unit			UV36WC
Power Supply	Φ, Voltage,Hz		-	1,220-240,50
Capacity	Cooling *	Rated	kW	4.00 ~ 8.49 ~ 10.30
		Rated	Btu/h	13,600 ~ 29,000 ~ 35,000
	Heating	Min. ~ Rated ~ Max.	kW	4.30 ~ 10.00 ~ 11.70
		Min. ~ Rated ~ Max.	Btu/h	14,700 ~ 34,000 ~ 39,900
Power Input	Cooling *	Rated	W	2,710
	Heating *	Rated	W	3,050
EER / COP			W/W	3.24 / 3.28
Outdoor			Unit	UU36WC
Power Supply			V , Ø , Hz	220-240, 1, 50
Power Supply Cable (included Earth)			No. × mm²	3C × 2.5 (12)
Casing Color			-	Warm Gray
Dimensions	Net	W × H × D	mm	950 × 834 × 330
Net Weight			kg	58.0 (127.9)
Compressor	Type			Twin Rotary
Refrigerant	Type			R410A
Fan	Air Flow Rate	Rated	m³/min x No.	58 × 1
Fan Motor	Type		-	BLDC
Sound Pressure Level	Cooling	Rated	dB(A)	56
	Heating	Rated	dB(A)	58
Piping Connections	Liquid	Outer Dia.	mm (inch)	Ø 9.52 (3/8)
	Gas	Outer Dia.	mm (inch)	Ø 15.88 (5/8)
Piping Length		Max.	m	40 (131.2)
Maximum Height Difference (ODU - IDU)		Max.	m	30 (98.4)
Indoor			Unit	UV36WC
Power Supply			V , Ø , Hz	220-240, 1, 50/60
Dimensions	Body	W × H × D	mm	1,200 × 235 × 690
Net Weight			kg (lbs)	28.0 (61.7)
Fan	Air Flow Rate	H / M / L	m³/min	20.0 / 18.0 / 16.0
Fan Motor	Type		-	BLDC
External static pressure	High Mode_Factory Set		-	58.8 (6)
Sound Pressure Level	Cooling	Rated	dB(A)	47 / 45 / 42
	Heating	Rated	dB(A)	47 / 45 / 42

Notes
- Cooling ¹⁾ : Indoor Temperature 27°C (80.6°F) DB / 19°C (66.2°F) WB, Outdoor Temperature 35°C (95°F) DB / 24°C (75.2°F) WB
- Cooling ²⁾ : Indoor Temperature 29°C (84.2°F) DB / 19°C (66.2°F) WB, Outdoor Temperature 46°C (114.8°F) DB / 24°C (75.2°F) WB
- Heating Temperature : Indoor 20°C (68°F) DB / 15°C (59°F) WB, Outdoor 7°C (44.6°F) DB / 6°C (42.8°F) WB

CEILING SUSPENDED UNIT



UU49WC1
UU61WC1

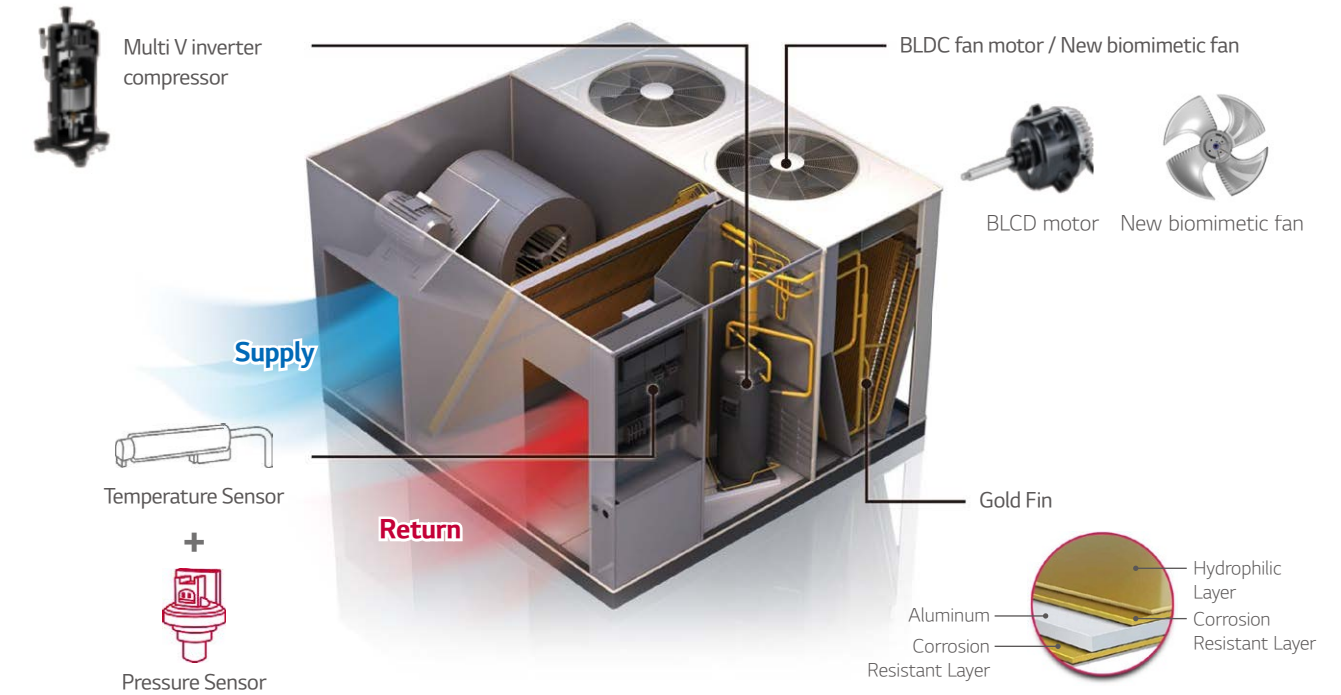
UU49WC1		UU61WC1	
UV48WC		UV60WC	
3,380-415,50		3,380-415,50	
5.60 ~ 13.78 ~ 14.70		6.00 ~ 15.20 ~ 16.70	
19,100 ~ 47,000 ~ 50,000		20,500 ~ 52,000 ~ 57,000	
6.10 ~ 15.30 ~ 16.50		6.80 ~ 17.00 ~ 18.20	
20,800 ~ 52,210 ~ 56,300		23,200 ~ 58,000 ~ 62,100	
4,250		5,010	
4,490		5,150	
3.24 / 3.41		3.03 / 3.30	
UU49WC1		UU61WC1	
220-240, 1, 50		220-240, 1, 50	
3C × 2.5 (12)		3C × 2.5 (12)	
Warm Gray		Warm Gray	
870 × 650 × 330		870 × 650 × 330	
44.8 (98.8)		44.8 (98.8)	
Twin Rotary		Twin Rotary	
R410A		R410A	
58 × 2		58 × 2	
BLDC		BLDC	
55		55	
57		57	
Ø 9.52 (3/8)		Ø 9.52 (3/8)	
Ø 19.05 (3/4)		Ø 19.05 (3/4)	
50 (164.0)		50 (164.0)	
30 (98.4)		30 (98.4)	
UV48WC		UV60WC	
220-240, 1, 50/60		220-240, 1, 50/60	
1,600 x 235 x 690		1,600 x 235 x 690	
35.0 (77.2)		35.0 (77.2)	
30.0 / 25.0 / 20.0		30.0 / 25.0 / 20.0	
BLDC		BLDC	
58.8 (6)		58.8 (6)	
50 / 46 / 42		50 / 46 / 42	
50 / 46 / 42		50 / 46 / 42	

SINGLE PACKAGE

SINGLE PACKAGE

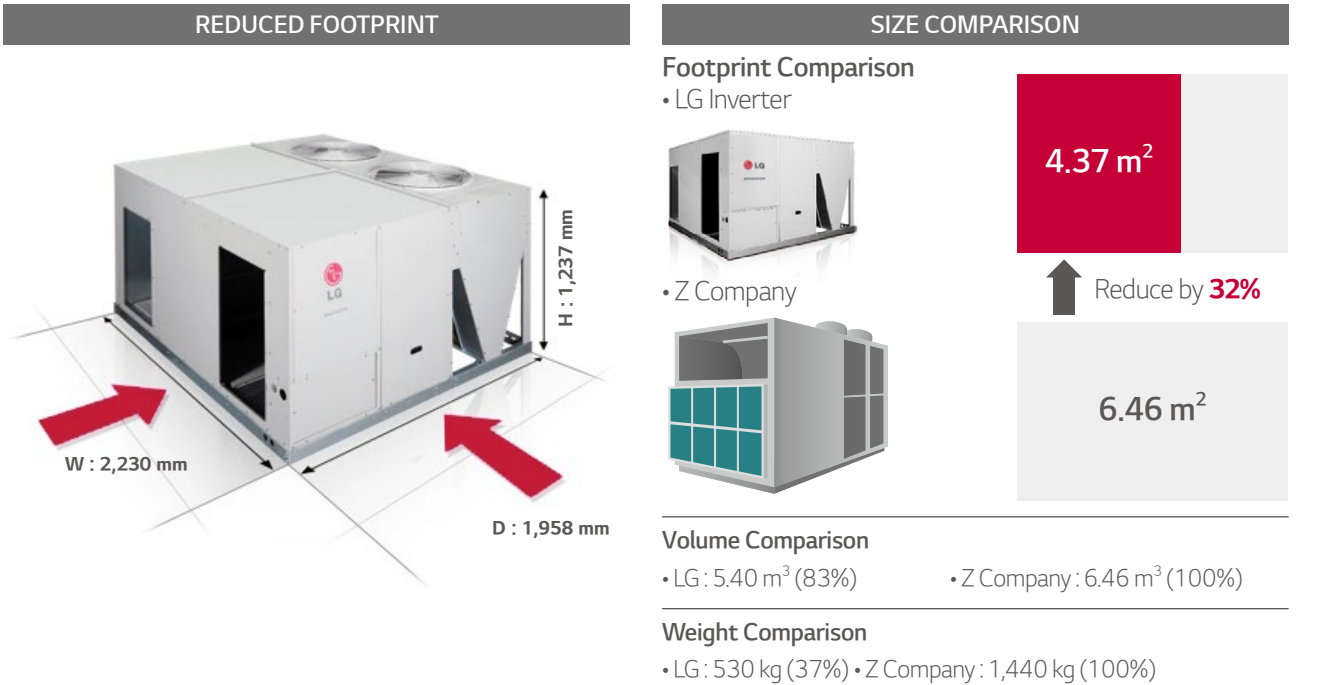
Advanced key components for High energy efficiency

High energy efficiency with LG's cutting-edge core components and Inverter leading technology.



Compact Size

Easy transportation and less space for installation.



SINGLE PACKAGE

Reliable Performance

Field tests in extreme (tropical) conditions are being conducted without failure over a year.

F/Test check list

LG MV Data

Installation Site 1

- Location : Riyadh, Saudi Arabia
- Application : Factory (warehouse)
- Operation period : 23rd April 2012 ~
- Capacity : 12.5RT
- Power : 3phase 380V 60Hz

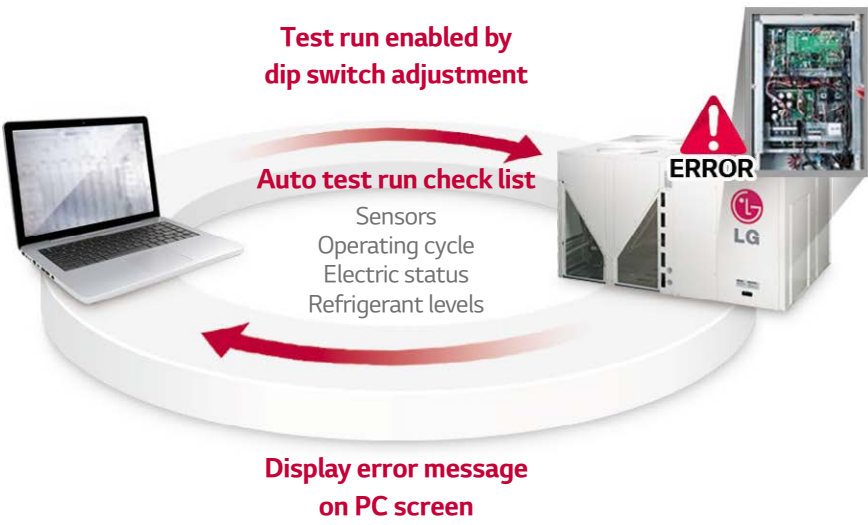
Installation Site 2

- Location : Dubai, UAE
- Application : Mosque (roof)
- Operation period : 8th April 2012 ~
- Capacity : 12.5RT
- Power : 3phase 400V 50Hz

※ Structure / Performance / Noise / Installation / Dew formation.....

Automatic Test Run

Easy and fast automatic test run saves time during the final stage of installation.



Initial Cost Saving

Reduce customer's initial cost through a heat pump system.

CONVENTIONAL (COOLING ONLY UNIT + ELECTRIC HEATER)

- Because of a electric heater, it requires to increase the electrical capacity of the entire building.

* Only be adapted for Heat Pump model.

LG SINGLE PACKAGE (HEAT PUMP)

- Reduce the electrical capacity of the entire building.
Customers can save the cost.

* T com: TH*300 - MCA : 102A MFA : 110A
* LG: AK-W300DC00 - MCA : 69A MFA : 80A

LG Plug Fan and Inverter Motor

Be able to operate high static pressure condition without extra cost.

CONVENTIONAL (AC MOTOR)

- To cover whole space, it needs to change high static drive and motor with extra cost.

- 7.5 HP AC motor

Extra cost
(Need to change drive and motor)

* T company : TH*300

External Static Pressure (Inches of Water, in.Aq)	
0.1 ~ 0.6	0.7 ~ 2.0
Standard	Extra cost

* Only be adapted for Heat Pump model.

LG SINGLE PACKAGE (INVERTER MOTOR)

- LG single package can cover whole range without extra cost.

- 10 HP Inverter motor (LG's standard feature)

* LG single package : AK-W300DC00

External Static Pressure (Inches of Water, in.Aq)	
0.1 ~ 0.6	0.7 ~ 2.0
Standard	Extra cost

SINGLE PACKAGE

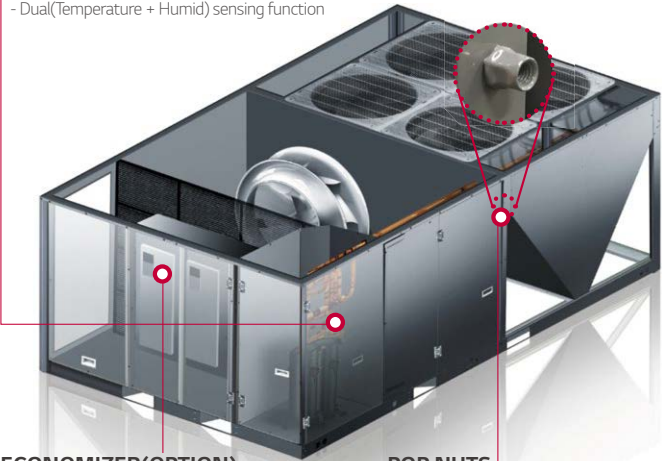
SINGLE PACKAGE

High Efficiency Inverter Compressor, Economizer

Save operation cost through Inverter compressor, Dual SLC function and Economizer.

INVERTER COMPRESSORS & DUAL(TEMP.+HUMIDITY) SENSING

- Linear control with high efficiency inverter compressor
- Dual(Temperature + Humid) sensing function



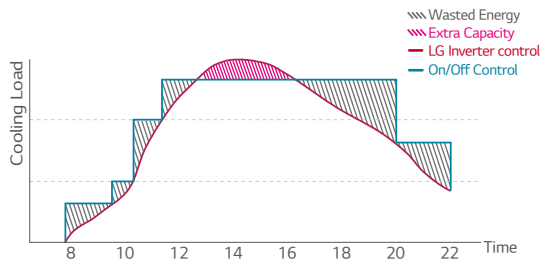
ECONOMIZER(OPTION)

- Energy consumption can be saved by economizer in case OA enthalpy is lower than IA enthalpy

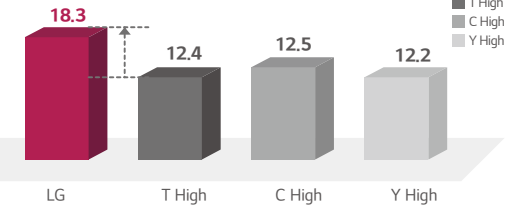


POP NUTS

- Pop nuts allow parts to be assembled strongly.
- Pop nuts improve wear reliability.



IEER 48%↑



* IEER: Integrated Energy Efficiency Ratio * LG : 25RT Model / Others : High efficiency 25RT model
* Only be adapted for Heat Pump model.



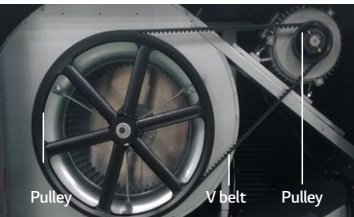
Nominal Capacity		RT	20	25
Model Name		-	AK-W240LC00	AK-W300LC00
Cooling Capacity	Net Capacity	kW	70.3	80.9
		kcal/h	60,480	69,600
	Gross Capacity	Btu/h	240,000	276,000
		kW	72.4	83.5
Heating Capacity	Capacity	kcal/h	62,250	71,800
		Btu/h	247,000	285,000
		kW	70.3	80.9
		kcal/h	60,480	69,600
EER		Btu / Wh	11.3	10.6
IEER		Btu / Wh	19.0	18.3
COP		W / W	3.38	3.24
Power Input	Cooling	kW	21.3	26.0
	Heating	kW	20.8	25.0
Power Supply		V, Ø, Hz	380-415, 3, 50/60	380-415, 3, 50/60
Indoor Coil	Fin Type	-	LG Louver	LG Louver
	Tube Size	Outer Dia.	9.52 (3/8)	9.52 (3/8)
	(Row × Column × Fins per inch) × No.		(4 × 44 × 16) × 2	(4 × 44 × 16) × 2
	Length	mm (inch)	201 (21.6)	201 (21.6)
Indoor Fan	Face Area	m ² (ft ²)	2.18 (23.47)	2.18 (23.47)
	Type	-	Plug Fan	Plug Fan
	Diameter	mm (inch)	630 (25)	630 (25)
	Motor Output	Hp	10	10
Compressor (#1, A Cycle)	Air Flow	Nominal	m ³ /min	227
	Rate	Nominal	ft ³ /min	8,000
	Drive type	-	BLDC Inverter	BLDC Inverter
	Type	-	HSS DC SCROLL	HSS DC SCROLL
Compressor (#2, B Cycle)	Motor Output	W × No.	5,500 × 1	5,500 × 1
	Oil Type	-	FVC68D	FVC68D
	Oil Charge	cc × No.	1,500 × 1	1,500 × 1
	Type	-	HSS DC SCROLL	HSS DC SCROLL
Outdoor Coil	Fin Type	-	Wide Louver Plus	Wide Louver Plus
	Tube Size	Outer Dia.	7 (9/32)	7 (9/32)
	(Row × Column × Fins per inch) × No.		(3 × 52 × 14) × 2	(3 × 52 × 14) × 2
	Face Area	m ² (ft ²)	4.5 (48.4)	4.5 (48.4)
Outdoor Fan	Type	-	Propeller Fan	Propeller Fan
	Diameter	mm (inch)	680 (26-25/32)	680 (26-25/32)
	Motor Output	W × No.	900 × 4	900 × 4
	Air Flow Rate	m ³ /min × No.	105 × 4	105 × 4
Dehumidification rate	Air Flow Rate	ft ³ /min × No.	3,700 × 4	3,700 × 4
	Drive	-	BLDC Inverter	BLDC Inverter
	Discharge Direction	-	Top	Top
Drain Connection Size		ℓ/h	24.1	30.1
Refrigerant		-	NPT 1"	NPT 1"
	Refrigerant name	-	R410A	R410A
	Precharged Amount	A-Circuit	kg	9.0
	Control	B-Circuit	kg	9.0
Dimensions (W × H × D)		-	Electronic Expansion Valve	Electronic Expansion Valve
		mm	2,230 × 1,242 × 3,520	2,230 × 1,242 × 3,520
Net Weight		inch	87-25/32 × 48-29/32 × 138-19/32	87-25/32 × 48-29/32 × 138-19/32
		kg (lbs)	910 (2,006)	910 (2,006)
Sound pressure levels	Cooling	dB (A)	77	77
	Heating	Min. ~ Max.	°C DB (°FDB)	-5 ~ 48 (23.0 ~ 118.4)
Operation Range (Outdoor Temperature)	Cooling	Min. ~ Max.	°C WB (°FWB)	-15 ~ 18 (5.0 ~ 64.4)
	Heating	Min. ~ Max.	°C WB (°FWB)	-15 ~ 18 (5.0 ~ 64.4)

Beltless Direct Driven Fan & Motor

Save maintenance cost because of a fan and a motor that are driven beltless.

CONVENTIONAL (FAN + PULLEY + BELT + AC MOTOR)

- Need to adjust pulleys & belts and grease periodically



Additional parts

Reduced maintenance points

Maintenance cost 26%↓

LG SINGLE PACKAGE (PLUG FAN + INVERTER MOTOR)

- No need to adjust pulleys & belts and grease periodically



No additional parts

* Maintenance cost details
- Labor cost(General) : 2 people 2.5 hour per month, \$20 x 2.5Hr x 2P x 4EA = Total \$400
- Belt check : 2 people 30 minutes per month, \$20 x 0.5Hr x 2P x 4EA = Total \$80 (LG no required)
- Belt replacement : Every 4 months, 2 people 1 hour, (\$20 x 1Hr x 2P x 4EA) / 4 Month = Total \$40 (LG no required)
- Belt price : Every 4 months, 1 Belt, (\$20 x 4EA) / 4 Month = Total \$20 (LG no required)

Lifespan Extension

Extend with Filters and Pop nuts.

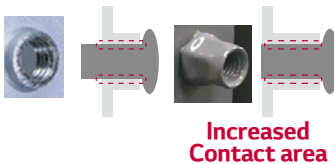
FILTERS (PRE-FILTERS)

- Pre-filers are standard features
- Pre-filters allow customers to use 2" filters longer.

※ Pre filters can be cleaned easily by water.
※ Pre filters and 2" filters are sliding removal structures.
* Only be adapted for Heat Pump model.



BURRING / POP NUTS



Increased Contact area

LG CONTROL SOLUTIONS

LG HVAC offers a diverse range of effective control solutions that satisfy specific needs of each building and its user scene. These controlling systems are equipped with user friendly interface, flexible interlocking environment, energy management and smart individual controller for optimized controlling conditions and smart building management.

HOTEL

Hotel Room Solution



OFFICE

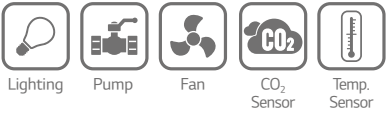
Central Control Solution



• Energy Management



• External Device



APARTMENT

Power Distribution Solution



RESIDENTIAL

Smart Individual Control Solution



SMALL BUILDING

Small Central Control Solution



Integration Solution



red dot award
User Interface Design

INDIVIDUAL CONTROL



Feature Functions

Controller Name		Wired Remote Controller					Wireless Remote Controller	Wi-Fi Controller
		Premium	Standard III	Standard II	Simple	Simple(Hotel)		
Model Name								
		PREMTA000 PREMTA000A PREMTA000B	PREMTB100 PREMTBB10	PREMTB001 PREMTBB01	PQRCVCL0Q PQRCVCL0QW	PQRCHCA0Q PQRCHCA0QW	NEW PWLSSB21H (H/P) PWLSSB21C (C/O)	PWFMD200
Basic	On / Off	○	○	○	○	○	○	○
	Fan Speed Control	○	○	○	○	○	○	○
	Temperature Setting	○	○	○	○	○	○	○
	Mode Change	○	○	○	○	-	○	○
	Auto Swing	○	○	○	○	○	○	
	Vane Control (Louver Angle)	○	○	○	○	○	○	○
	ESP (External Static Pressure)	○	○	○	○	○	-	-
	Electric Failure Compensation	○	○	○	○	○	-	○
	Indoor Temperature Display	○	○	○	○	○	○	
	ALL Button Lock (Child Lock)	○	○	○	○	○	-	-
Advanced	Schedule / Timer	Weekly~Yearly	Weekly~Yearly	Weekly	-	-	Sleep / On / Off	Weekly
	Additional Mode Setting ¹⁾	○	○	○	-	-	-	-
	Time Display	○	○	○	-	-	○	-
	Humid. Display	○	○	-	-	-	-	-
	Advanced Lock (Mode, Set point, Set point range, On / Off Lock)	Advanced Lock	Advanced Lock	-	-	-	-	-
	Filter Sign	○	○	○	-	-	-	-
	Energy Management ²⁾	○	○	○	-	-	-	-
	Dual Set Point	○	○	-	-	-	-	-
	Human Detection	-	○	-	-	-	-	-
	Temp, Humidity Compensation	○	○	-	-	-	-	-
ETC	Wi-Fi AP Mode Setting	○	○	○	○	○	○	-
	Operation Status LED	○	○	○	○	○	-	-
	Wireless Remote Controller Receiver	○ ³⁾	-	○ ³⁾	○ ³⁾	○ ³⁾	-	-
	Display	5 inch Color	4.3 inch Color	4.3 inch mono	2.6 inch mono	2.6 inch mono	2 inch mono	-
	Size (W x H x D, mm)	137 x 121 x 16.5	120 x 120 x 16	120 x 120 x 16	64 x 120 x 15	64 x 120 x 15	51 x 153 x 26	-
	Black Light Control for Screen Saver	○	○	-	-	-	-	-

※ ○ : Applied, - : Not Applied
1) It might not be indicated or operated at the partial product.
2) Centralized control (PACEZA000 / PACS5A000 / PACP5A000 / PLNWKB000) and PDI (PQNUD1S40 / PPWRDB000) should be installed for this function.
3) For ceiling type duct
Note : 1. Indoor unit should have functions requested by the controller.
2. If you need more detail, please refer to the manual of product. (<http://partner.lge.com>: Home> Doc.Library> Manual)

INDIVIDUAL CONTROL

3th Standard Wired Remote Controller

Features & Benefit

4.3 inch Color screen with a modern design.



PREMTB100 (White)



PREMTBB10 (Black)

- The optimized controller for MULTI V 5
 - Humidity sensor embedded
 - Comfort cooling setting
 - Smart Load Control setting
 - Outdoor unit low noise setting
 - Defrost mode setting
- New modern design & easy interface
 - Seamless design / Touch button
 - 4.3 inch color LCD / Intuitive GUI
- Energy saving functions
 - Instantaneous power monitor
 - Energy consumption check (Power consumption, Operation time)
 - Temp. Setback timer; time limit control
 - Target setting (ODU capacity, Instantaneous power...etc)
- Group control
 - Up to 16 Indoor units can be controlled with one remote control
- External device On / Off (1 point)
 - Customized interlocking control with indoor unit is possible without dry contact
- 2 set points control
 - Increase convenience and comfort
 - Auto changeover, Setback (Home leave)

Model Name	PREMTB100 / PREMTBB10
On / Off	○
Fan Speed Control	○
Temperature Setting	○
Mode Change	Cooling / Heating / Auto / Dehumidification / Fan
Additional Mode Setting ¹⁾	Energy-Saving Cooling / Robot Cleaning / Heater / Humidification / Comfort Cooling
Auto Swing	○
Vane Control (Louver direction)	○
E.S.P (External Static Pressure) ²⁾	○
Reservation	Simple / Sleep / On & Off Timer / Weekly / Yearly / Holiday
Time Display	○
Electric Failure Compensation	○
Lock	All / On & Off / Mode / Set Temperature Range
Filter Sign	○ (Remain time + Alarm)
Energy Management	Check Energy Usage ³⁾ / Check Operation Time / Target Setting (Energy, Operation Time) / Time Limit Operation / Alarm Popup / Initialization Usage Data
Operation Status LED	○
Indoor Temperature Display	○
Indoor Humidity Display	○
Human Detection	○
Display	4.3 inch TFT color LCD (480 x 272)
Size (W x H x D, mm)	120 x 120 x 16
Black light for Screen saver	○
Home Leave	2 set points control

※ ○ : Applied, - : Not Applied
1) It might not be indicated or operated at the partial product.
2) This function is available for duct type.
3) This function requires PDI (PQNUD1S40 / PPWRDB000) to be installed.
Note: 1. Indoor unit needs to have functions requested by the controller.
2. 2 set points control works normally with MULTI V Heat Recovery and Single Split Heat Pump. But in case of MULTI V Heat Pump, it may not work properly.

Energy Saving Function

Energy Management

- Energy Monitoring & Alarm
Real-time and day / week / month / year energy usage monitoring is possible. In addition, it can set target for energy usage and operation time, and alarm will be displayed when exceeded.

* PDI (PQNUD1S40 / PPWRDB000) is required.



Instantaneous Power Check



Energy Usage Target Setting

Time Limit Control

- The time-limit operation controls product by amount of time.
By setting the device operation time in advance, you can control for how long a device works and have it stop automatically.



2 Set Points Control

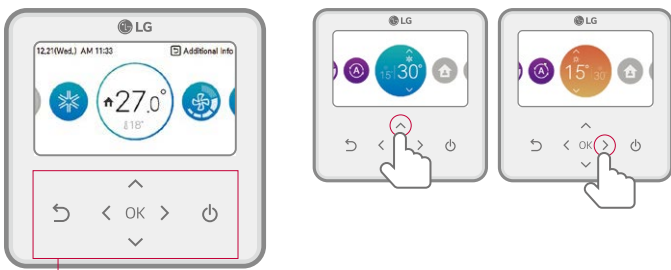
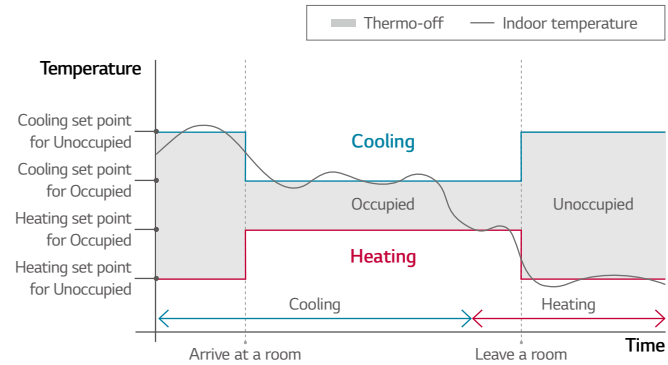
Auto Changeover (Convenience)

- The indoor unit automatically manages room temperature with heating and cooling with extended setting temperature ranges. With setting heating and cooling set temp. just one time, comfortable condition will continue at all times.

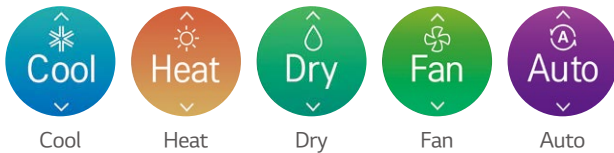
Setback (Home Leave) (Energy saving & Comfort)

- In the absence, room temperature can be kept in the range of 2 set points instead of power off. It provides comfortable indoor environment quickly when the mode is changed to occupied.

※ This function is for Heat Recovery system or Single heat pump. Otherwise it is not guaranteed.



Touch Button



Comfort Level

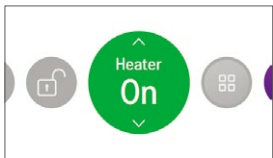


Energy Contents

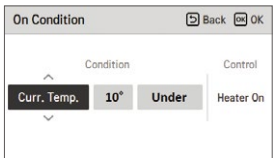
Error History	
06:19 21:15	>
06:19 21:15	>
06:19 14:08	>
06:19 14:04	>

Error History

External Device On / Off



External Equipment Control
User can turn on or off the external equipment through contact point output.



Customized Interlocking Control
User can make control scenario. For example when temperature is under 10 degree, turn on the external heater.

Schedule Function



Easy Checking Schedule
Standard III remote controller provides clock type daily schedule.

Exception Day	
+Add exception day	
2016.05.21	
2017.05.21	
2018.05.21	
2019.05.21	

Exception Day Settings
Possible to set up exceptional date on regular schedule.

INDIVIDUAL CONTROL

Premium Wired Remote Controller

Features & Benefit

5 inch full touch screen with a premium design.



PREMTA000 ¹⁾ / PREMTA000A ²⁾ / PREMTA000B ³⁾

- 1) English / Portuguese / Spanish / French
2) English / Italian / Russian / Chinese
3) English / German / Polish / Czech

- Full Touch screen
- The Optimized Controller in MULTI V 5
 - Comfort cooling setting
 - Smart Load Control setting
 - Outdoor unit low noise setting
 - Defrost mode setting
- Design with User's Convenience
 - Intuitive GUI
 - Main display simple mode
 - 5 inch color LCD
- Energy Saving Functions
 - Instantaneous power monitor
 - Energy consumption check (Power consumption, Operation time)
 - Temp. Setback Timer, Time Limit Control
 - Target setting (ODU Capacity, Instantaneous power... etc)
- Group Control
 - Up to 16 Indoor units can be controlled with one remote control
- 2 Set Points Control
 - Increase convenience and comfort
 - Auto changeover, Setback (Home leave)

Model Name	PREMTA000 / PREMTA000A / PREMTA000B
On / Off	○
Fan Speed Control	○
Temperature Setting	○
Mode Change	Cooling / Heating / Auto / Dehumidification / Fan
Additional Mode Setting ¹⁾	Energy-Saving Cooling / Robot Cleaning / Heater / Humidification
Auto Swing	○
Vane Control (Louver direction)	○
E.S.P (External Static Pressure) ²⁾	○
Reservation	Simple / Sleep / On / Off / Weekly / Yearly / Holiday
Time Display	○
Electric Failure Compensation	○
Child Lock	○
Filter Sign	○ (Remain time + Alarm)
Energy Management	Check Energy Usage ³⁾ / Check Operation Time / Target Setting (Energy, Operation Time) / Time Limit Operation / Alarm Popup / Initialization Usage Data
Operation Status LED	○
Indoor Temperature Display	○
Wireless Remote Controller Receiver	○ ⁴⁾
Display	5 inch TFT color LCD (480 x 272)
Size (W x H x D, mm)	137 x 121 x 16.5
Black Light for Screen Saver	○
Home Leave	2 set points control

※ ○ : Applied, - : Not Applied
1) It might not be indicated or operated at the partial product.
2) This function is available for duct type.
3) This function requires PDI (PQNUD1S40 / PPWRDB000) to be installed.
4) For ceiling type ducted unit.
Note : 1. Indoor unit needs to have functions requested by the controller.
2. 2 set points control works normally with MULT V Heat Recovery and Single Split Heat Pump. But in case of MULTI V Heat Pump, It may not work properly.



Full Touch Screen

Easy Energy Management

- Check the operation hour or electricity usage
- Comparison of usage compared to last year
- Set the target usage and time



Easy Scheduling

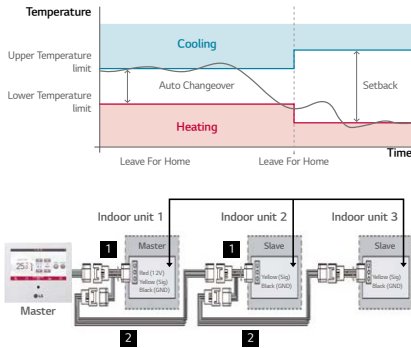
- Daily, Weekly, Yearly schedule function
- Schedule pattern setting
- Schedule copy



2 Set points Control

- Auto changeover switching the operation mode automatically
- Setback (Home Leave) Changing status by occupied / unoccupied

※ This function is only for Heat Recovery system and Single heat pump.



Group Control

- Max. 16 Indoor units by one remote controller.



2nd Standard Wired Remote Controller

Features & Benefit

Providing easy control of one or a group of indoor units with various functions.



PREMTB001 (White)



PREMTBB01 (Black)

- Wired remote controller that can implement various functions such as schedule, filter sign.

Model Name	PREMTB001 / PREMTBB01
On / Off	○
Fan Speed Control	○
Temperature Setting	○
Mode Change	Cooling / Heating / Auto / Dehumidification / Fan
Additional Mode Setting	Energy-Saving Cooling / Robot Cleaning / Heater / Humidification
Auto Swing	○
Vane Control (Louver direction)	○
E.S.P (External Static Pressure)	○
Reservation	Simple / Sleep / On / Off / Weekly / Holiday
Time Display	○
Electric Failure Compensation	○
Child Lock	○
Filter Sign	○ (Remain time + Alarm)
Operation Status LED	○
Indoor Temperature Display	○
Wireless Remote Controller Receiver	○ ¹⁾
Size (W x H x D, mm)	120 x 120 x 16
Blacklight	○
Power Consumption Monitoring	○ ²⁾
Check Model Information	○

※ ○ : Applied, - : Not Applied
1) For ceiling type ducted unit.
2)This function requires PDI (PQNUD1S40 / PPWRDB000) to be installed.
Note : Indoor unit needs to have functions requested by the controller.

Simple Wired Remote Controller

Features & Benefit

A simple way to control office or hotel systems in a compact design



PQRCVCLOQW (White) / PQRCVCLOQ (Black)



PQRCHCA0QW (White) / PQRCHCA0Q (Black)

Model Name	PQRCVCLOQW / PQRCVCLOQ	PQRCHCA0QW / PQRCHCA0Q
On / Off	○	○
Fan Speed Control	○	○
Temperature Setting	○	○
Mode Change	Cooling / Heating / Auto / Dehumidification / Fan	-
Auto Swing	○	○
Vane Control (Louver direction)	○	○
E.S.P (External Static Pressure)	○	○
Electric Failure Compensation	○	○
Child Lock	○	○
Indoor Temperature Display	○	○
Wireless Remote Controller Receiver	○ ¹⁾	○ ¹⁾
Size (W x H x D, mm)	70 x 121 x 16	70 x 121 x 16
Blacklight	○	○

※ ○ : Applied, - : Not Applied
1) For ceiling type ducted unit.
Note : Indoor unit needs to have functions requested by the controller.

- Small remote control with minimal functionality.

Wireless Remote Controller

Features & Benefit



NEW PWLSSB21H (H/P)

NEW PWLSSB21C (C/O)

- Easy to use while moving.
- Main functions are available.

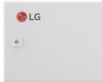
Model Name	PWLSSB21H (H/P) / PWLSSB21C (C/O)
On / Off	○
Fan Speed Control	○ ¹⁾
Temperature Setting	○
Mode Change	Cooling / Heating / Auto / Dehumidification / Fan
Additional Mode Setting	Plasma Purification / Energy-Saving Cooling / Robot Cleaning / Auto Dry
Auto Swing	○
Vane Control (Louver direction)	○
Reservation	Sleep / On / Off
Time Display	○
Indoor Temperature Display	○
Sleep Mode Auto	Max. 7 hours
Size (W x H x D, mm)	51.4 x 153 x 26

※ ○ : Applied, - : Not Applied
1) For some products, you can use "slow" fan speed function.

LG HVAC CONTROL LINE-UP

INDIVIDUAL CONTROL		CENTRALIZED CONTROL			
Wired Remote Controller		Wireless Remote Controller	Display	Platform	Gateway
Standard	Simple				
Standard III (White)			AC Ez	ACP 5	ACP LonWorks
					
PREMTB100	PQRCVCL0QW	NEW PWLSSB21H (H/P) NEW PWLSSB21C (C/O)	PQCSZ250S0 (Indoor Unit ~32)	PACP5A000 (Indoor Unit ~256) BACnet IP/Modbus TCP Gateway	PLNWKB000 (Indoor Unit ~64)
		Wi-Fi Controller			
Standard III (Black)		LG Wi-Fi Modem	AC Ez Touch	AC Manager 5	Modbus RTU Gateway
					
PREMTBB10	PQRCVCL0Q	For Indoor Unit PWFMDD200	PACEZA000 (Indoor Unit ~64)	PACM5A000 (Indoor Unit ~8,192)	PMBUSB00A
Standard II (White)			AC Smart 5		PI-485
					
PREMTB001	PQRCHCA0QW (Simple for Hotel)		PACS5A000 (Indoor Unit ~128) BACnet IP/Modbus TCP Gateway		For Indoor Unit (ERV) PHNFP14A0
Standard II (Black)					
					
PREMTBB01	PQRCHCA0Q (Simple for Hotel)				
Premium					
					
PREMTA000 PREMTA000A PREMTA000B					

Note
1. AC Smart 5 & ACP 5 provides BACnet IP / Modbus TCP 2. KNX Gateway is provided by INTESIS.
3. If you need more detail, please refer to the manual of product(or BECON PDB) (<http://partner.lge.com/global/index.lge> , Home→DocLibrary→Product →Control(BECON)

CENTRALIZED CONTROL	INTEGRATION DEVICE			
Facility Integrator	Indoor Units		Outdoor Units	AHU Kit
	Dry Contact	Control Accessory		
PDI (Power Distribution Indicator)	 Premium (8 port) PQNUD1S40 Standard (2 port) PPWRDB000	Group Control Wire  PZCWRCG3	IO Module (Input / Output Module)  For MULTI V 5 PVDSMN000	Communication Kit  Return / Room Air control PAHCMR000
ACS IO Module (Input / Output Module)	 PEXPMB000	Remote Temperature Sensor  PQRSTA0	Variable Water Flow Control kit  For MULTI V WATER IV PWFCNK000	 Discharge / Supply Air control PAHCMS000
Chiller Option Kit	 PCHLLN000	Low Profile Remote Temperature Button Sensor  ZRTBS01	Low Ambient Kit  For MULTI V IV, 5 PRV2	Controller Module  Main Module NEW PAHCMM000
ACU IO Module	 UIO PEXPMB300	Zone Controller  4 Zones by thermostat ABZCA	Cool / Heat Selector  PRDSBM	Communication Module  NEW PAHCMC000
 UO PEXPMB200	 2 Points Dry Contact (For Setback) PDRYCB400		Water Communication Module  NEW PAHCMW000	Control kit  NEW PAHCNM000 (Max. 3 Outdoor Units)
 UI PEXPMB100	 For Modbus PDRYCB500			EEV Kit  PRLK048A0 (~ 28 kW) PRLK096A0 (~ 56 kW)
				 NEW PRLK396A0 (~ 112 kW)
				 +  NEW PRLK594A0 (~ 168 kW)