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LG Smart Inverter

COMMERCIAL AIR CONDITIONERS | FOR MIDDLE EAST & AFRICA

LG Business Solutions



LG Smart Inverter

COMMERCIAL AIR CONDITIONERS

FOR MIDDLE EAST & AFRICA



CONTENTS

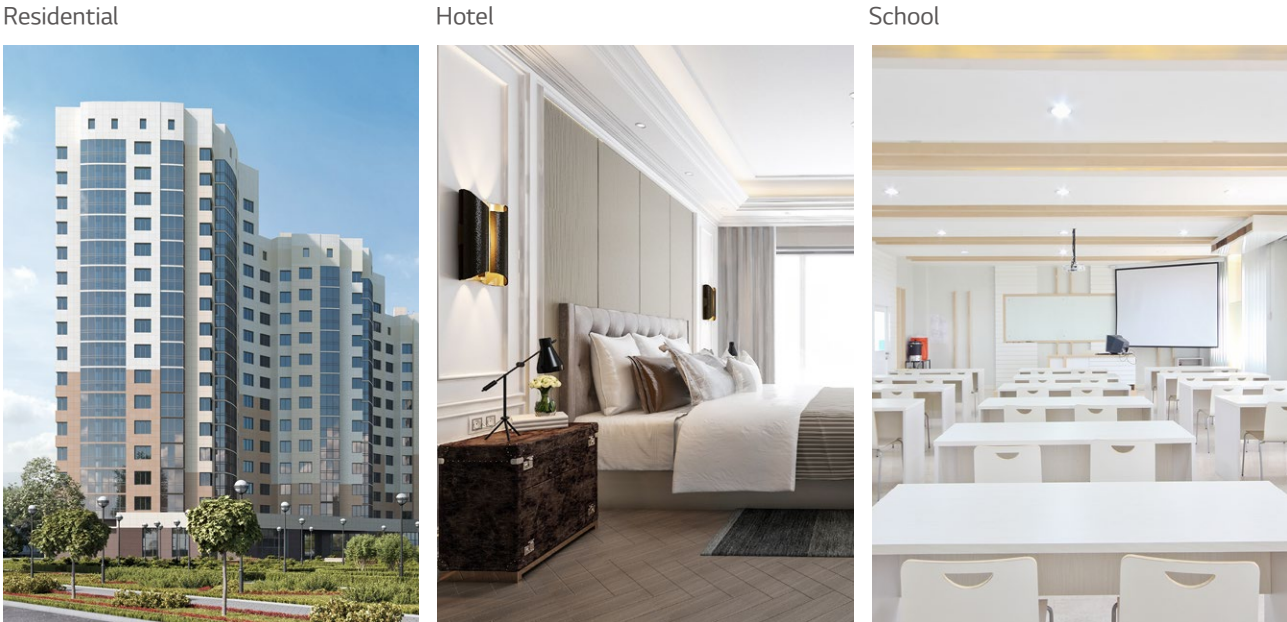


Application Solutions	04
Why LG Smart Inverter?	06
LG Inverter Single Split	10
The Evolution of LG Technology	12
LG Technology Fan	14
Line-Up	16
Core benefit of LG Smart Inverter Single Split	22
• Energy Saving • Comfort • Reliability • Convenience	

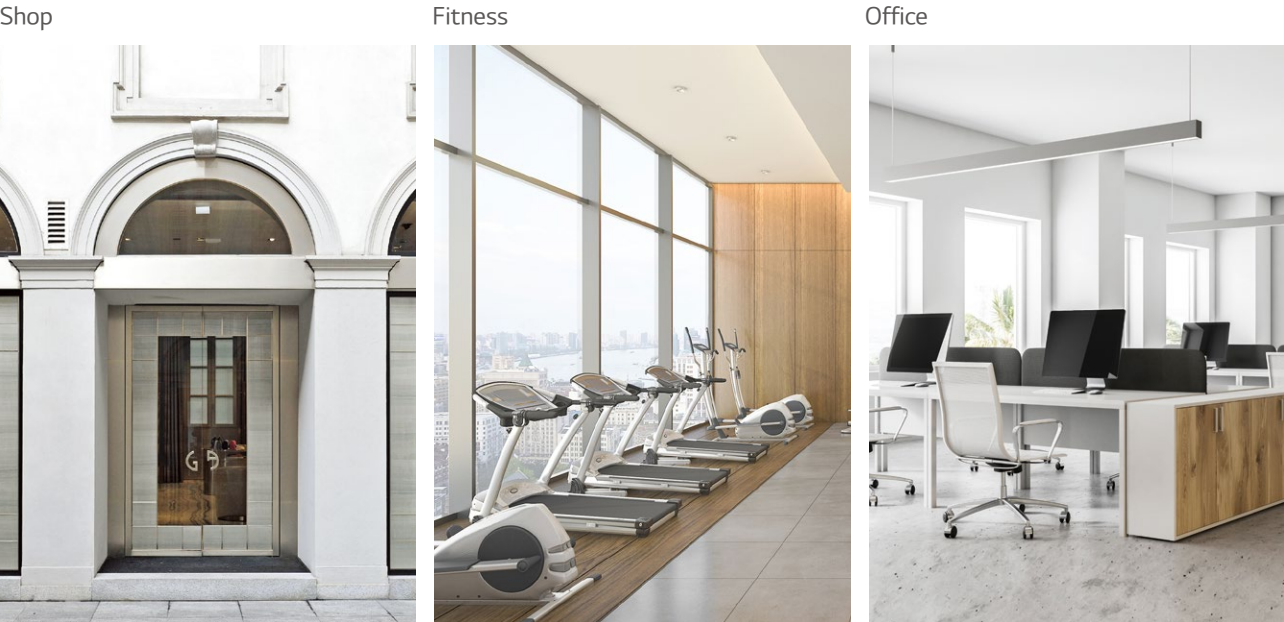
LG Smart Inverter Single Split	32
Ceiling Mounted Cassette	34
Ceiling Concealed Duct	46
Ceiling Suspended Unit	58
Floor Standing Unit	66
Single Package	72
LG Control Solutions	82
Individual Control	84
LG HVAC Control Line-Up	90

APPLICATION SOLUTIONS

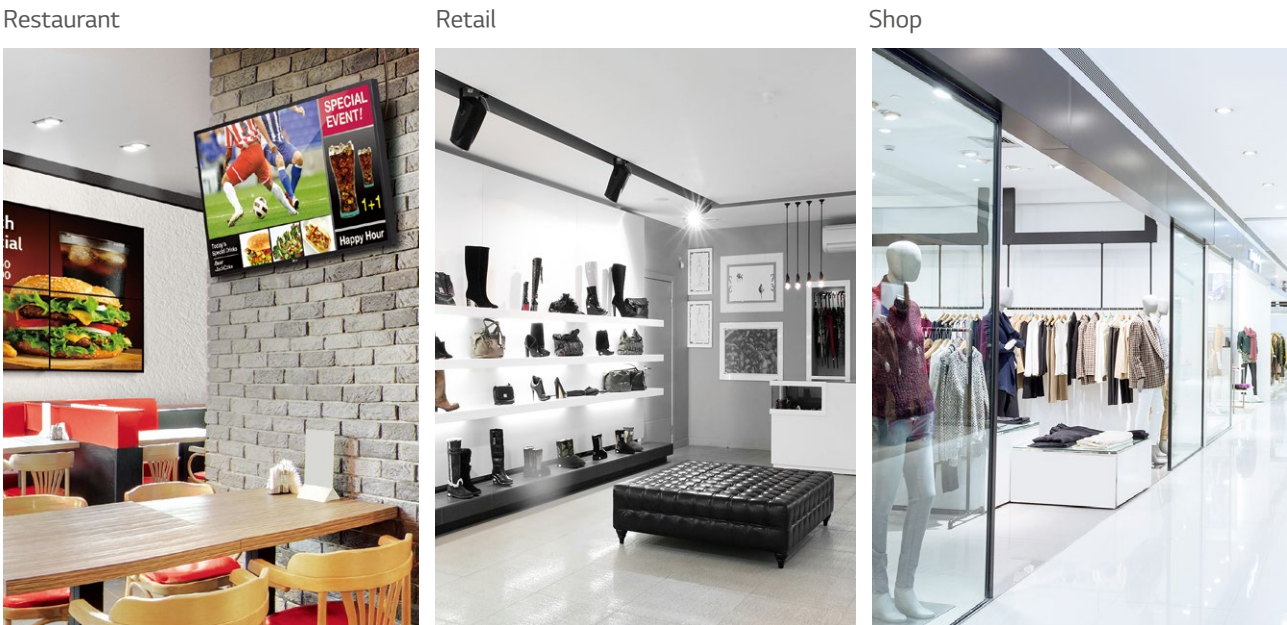
 Ducted  Single Package



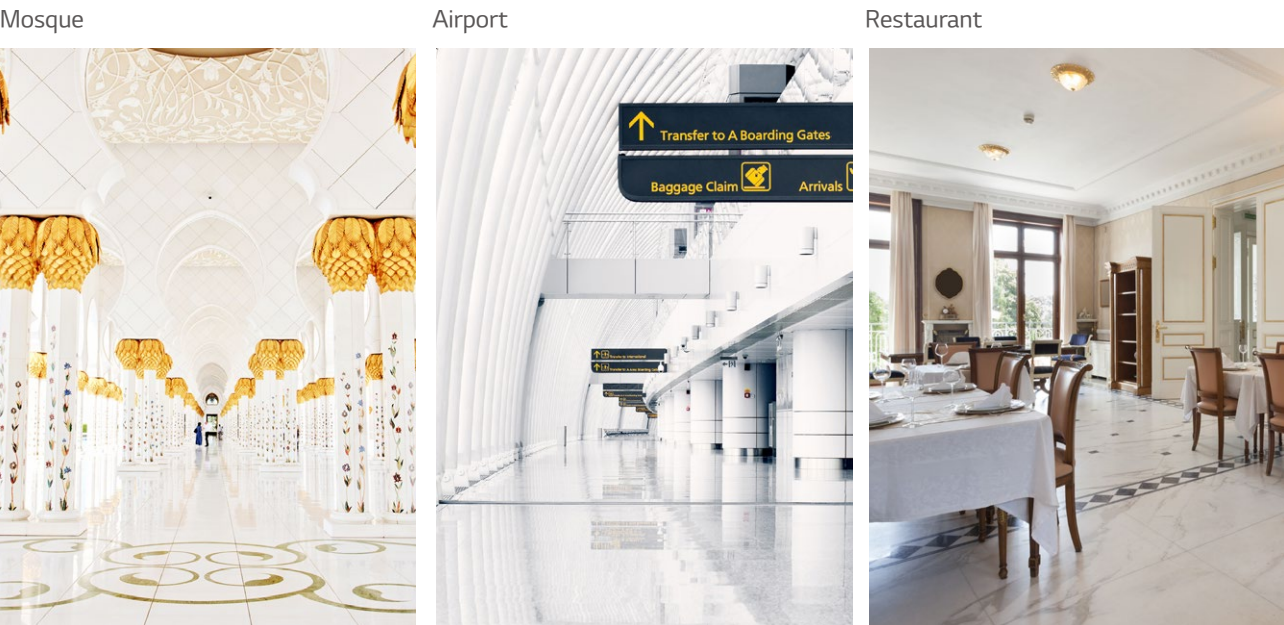
 Cassette



 Ceiling Suspended



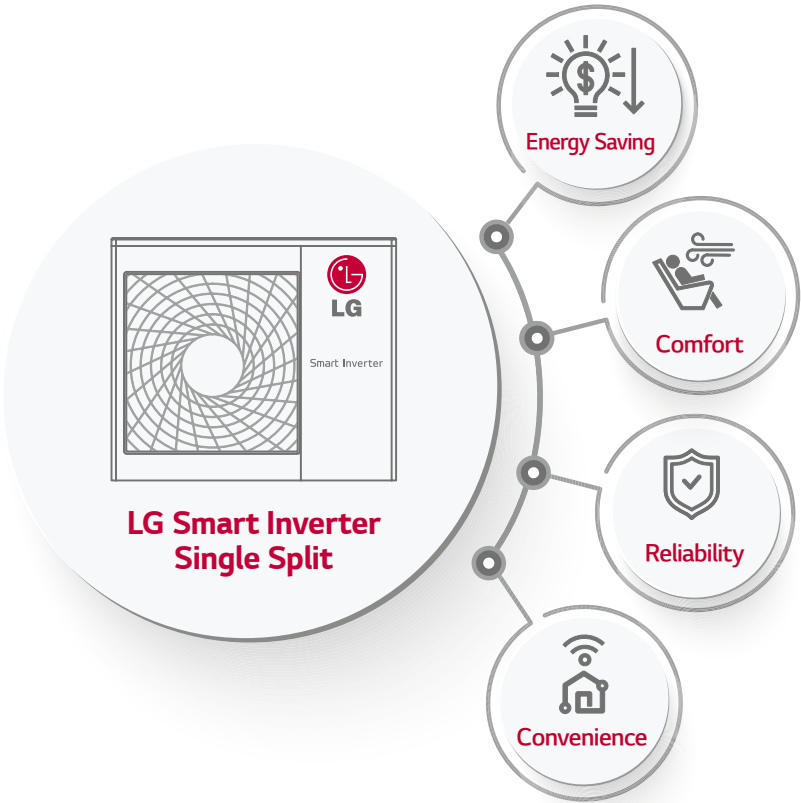
 Floor Standing





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.

COMFORT



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.

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.



Corrosion Resistant Heat Exchanger

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

CONVENIENCE



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.



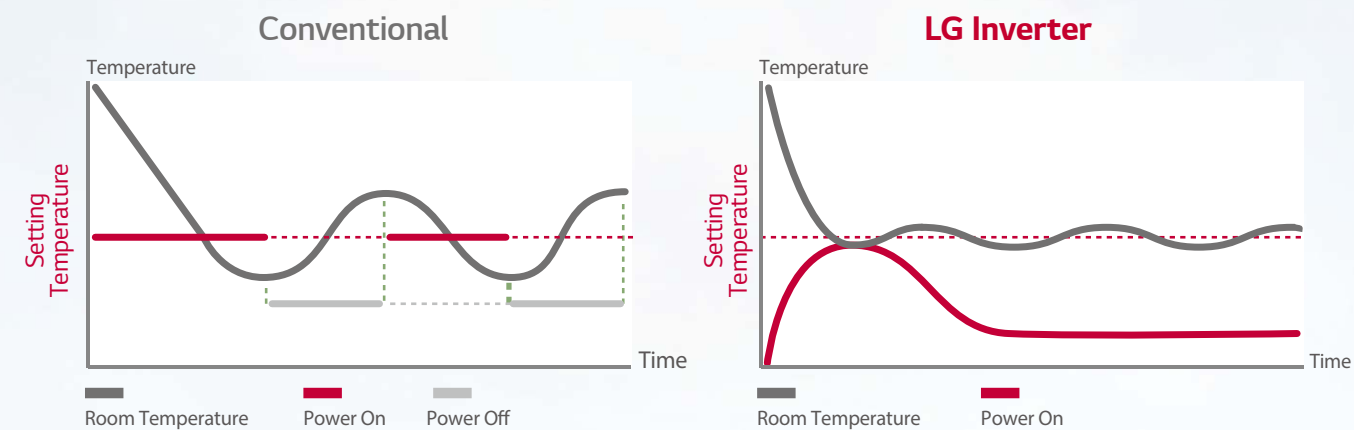
Simple Test Run Via LGMV

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.

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.

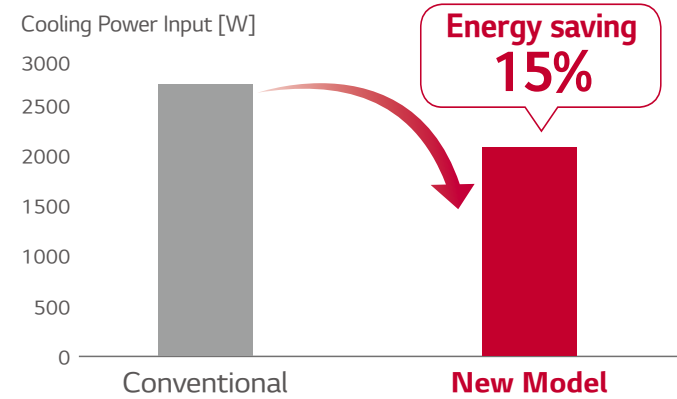


LG INVERTER SINGLE SPLIT

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**

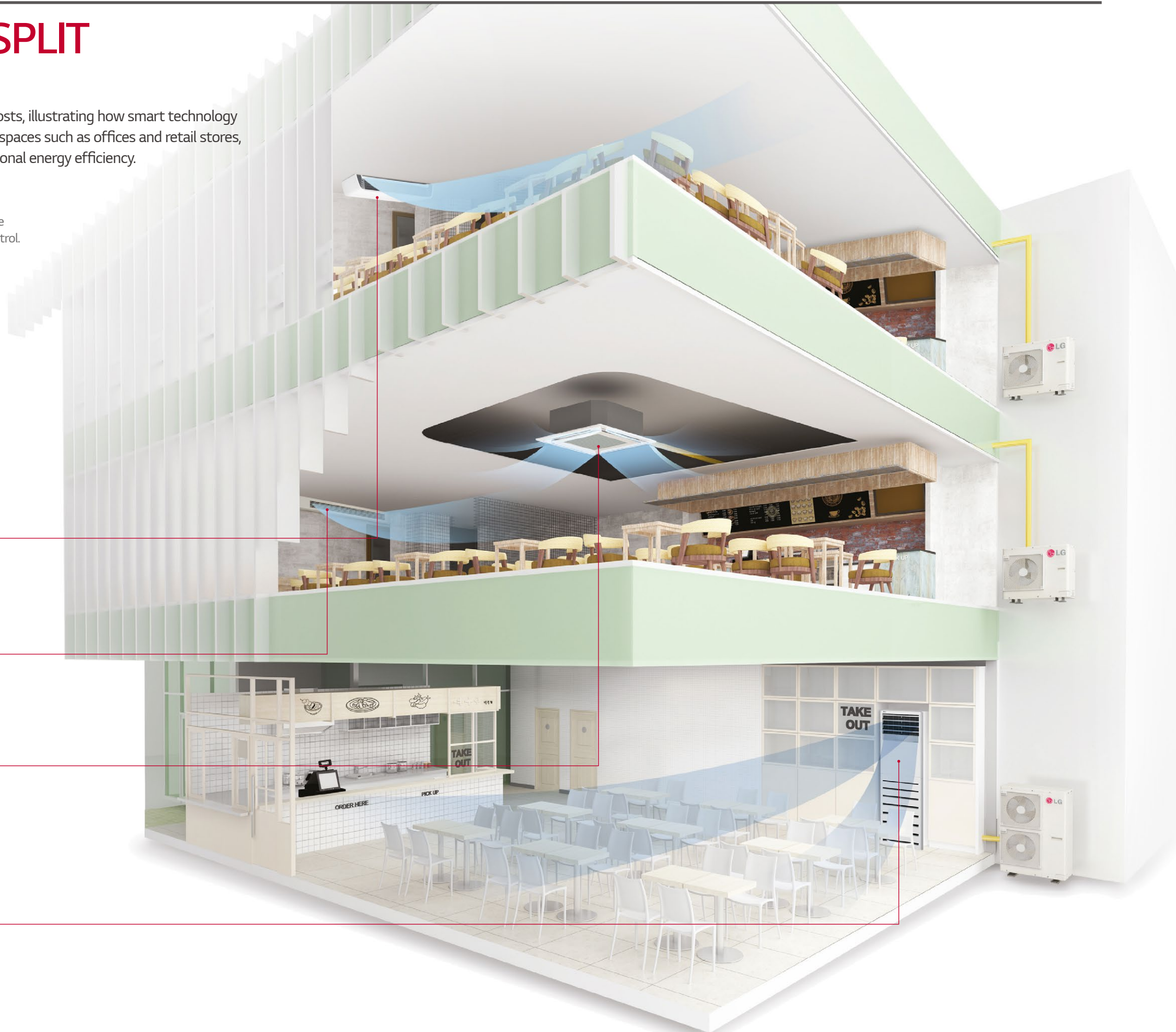


※ New Panel : PT-MCHWO

• **4 WAY CASSETTE**



• **FLOOR STANDING**



THE EVOLUTION OF LG TECHNOLOGY

REVOLUTIONARY SCROLL COMPRESSOR

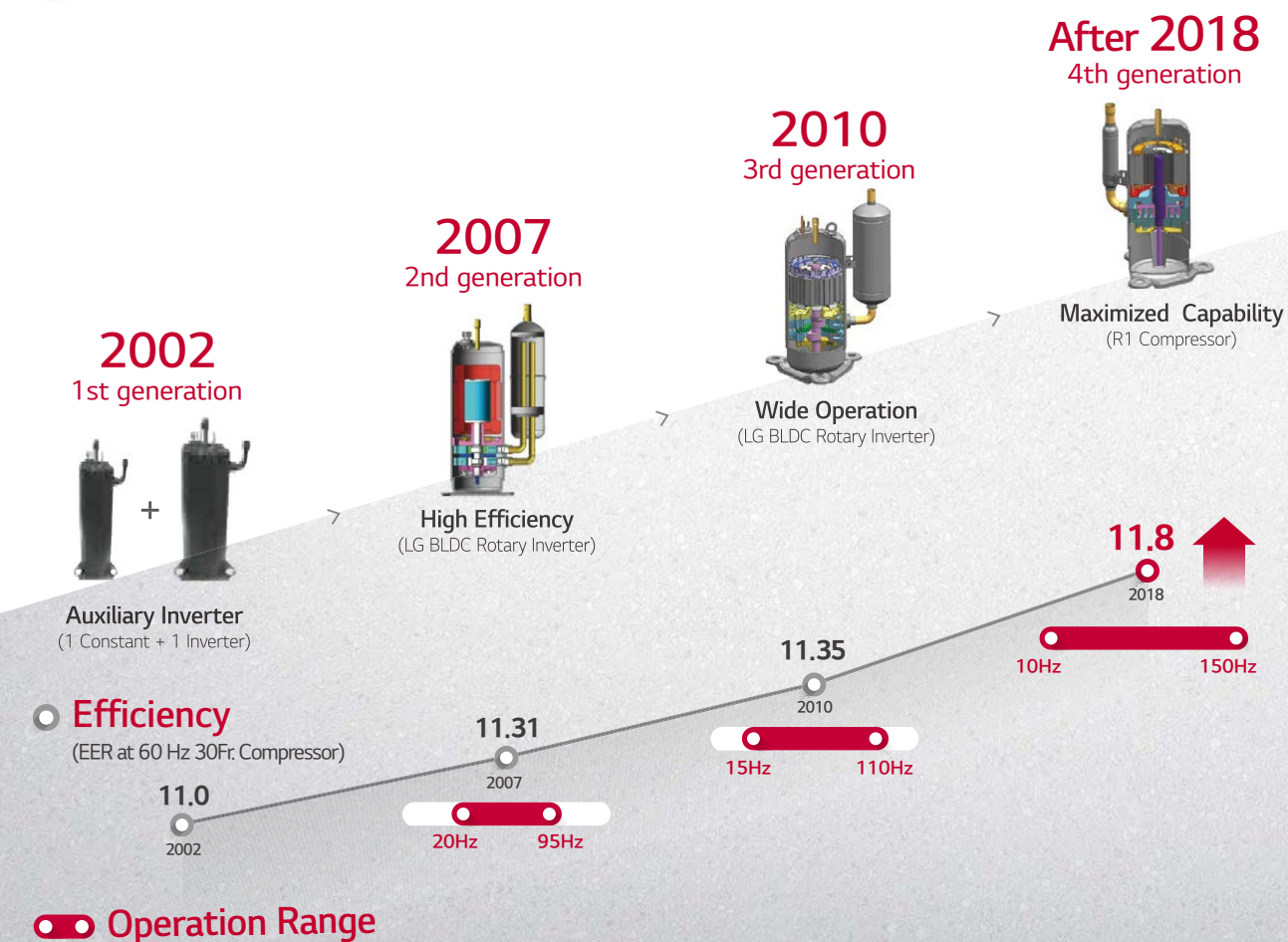
Revolutionary scroll compressor is applied for high-efficiency and reliability.

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.

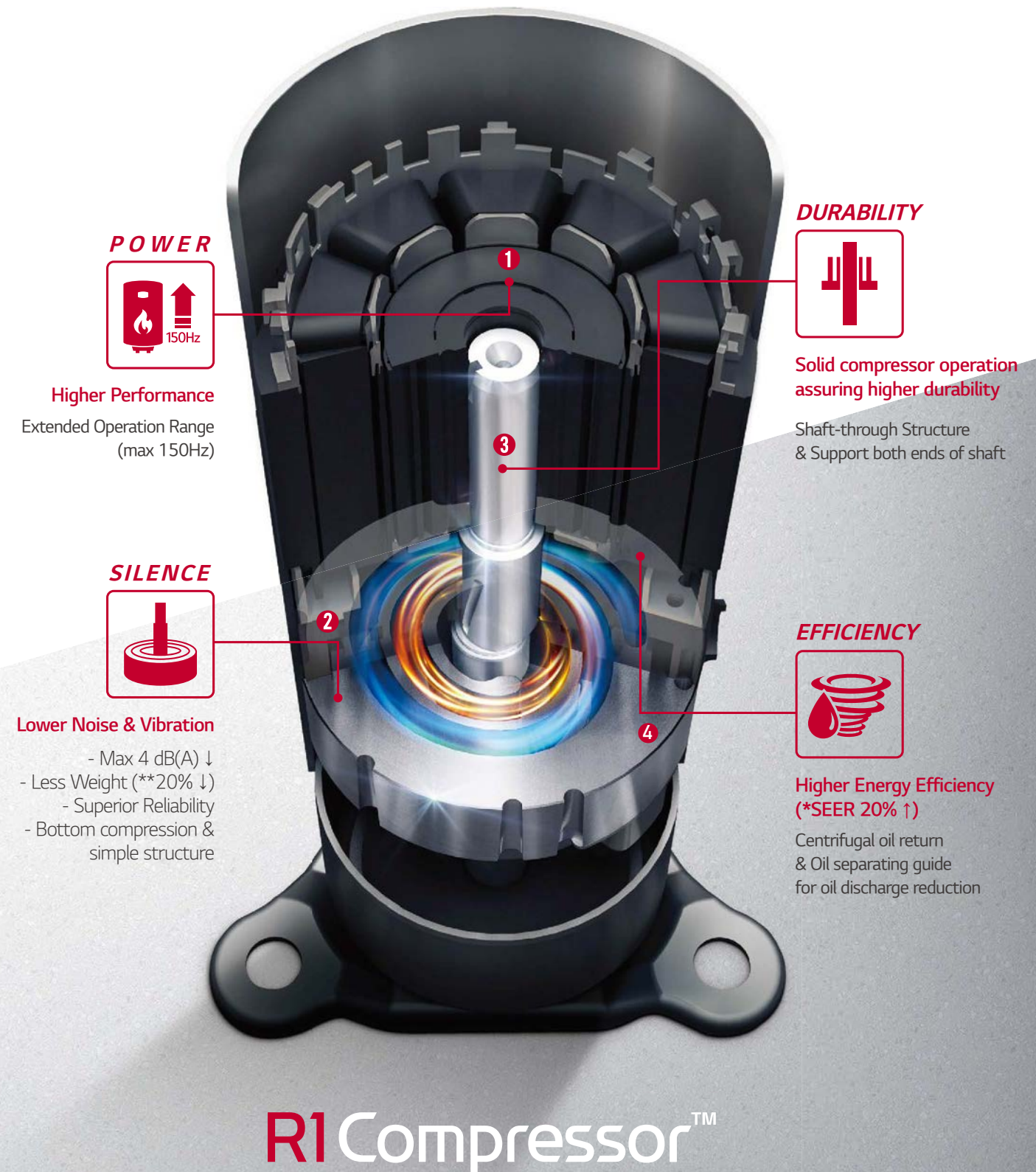
R1 Compressor™



- 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



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



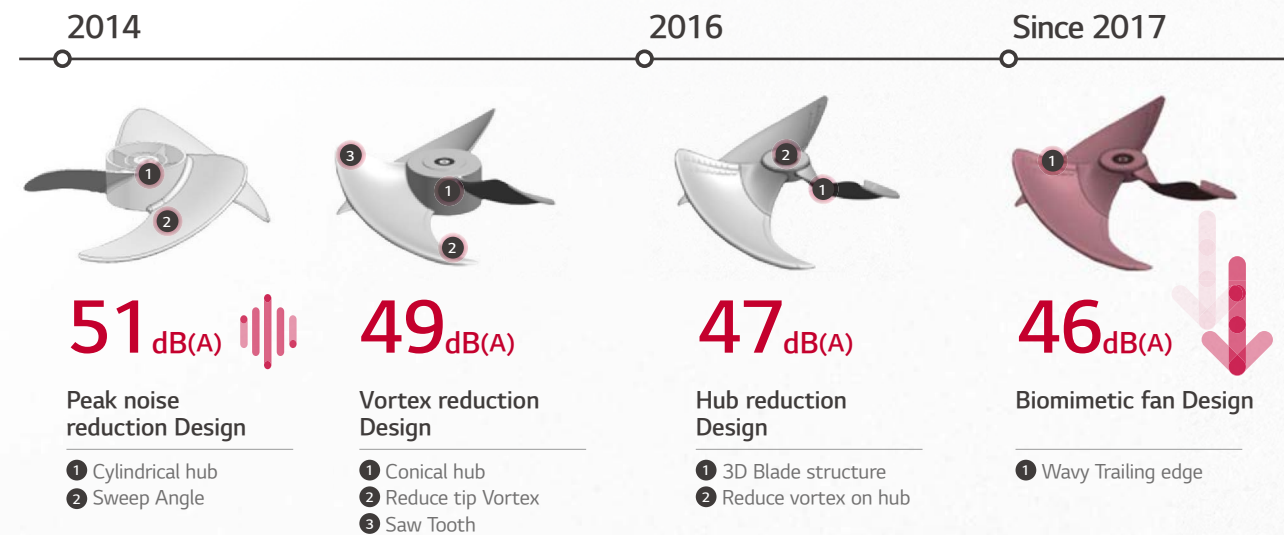
* LG Internal test result, Based on single split 10 kW Cassette

** LG Internal test result, Based on conventional compressor (Rotary type GPT442M)

LG TECHNOLOGY FAN

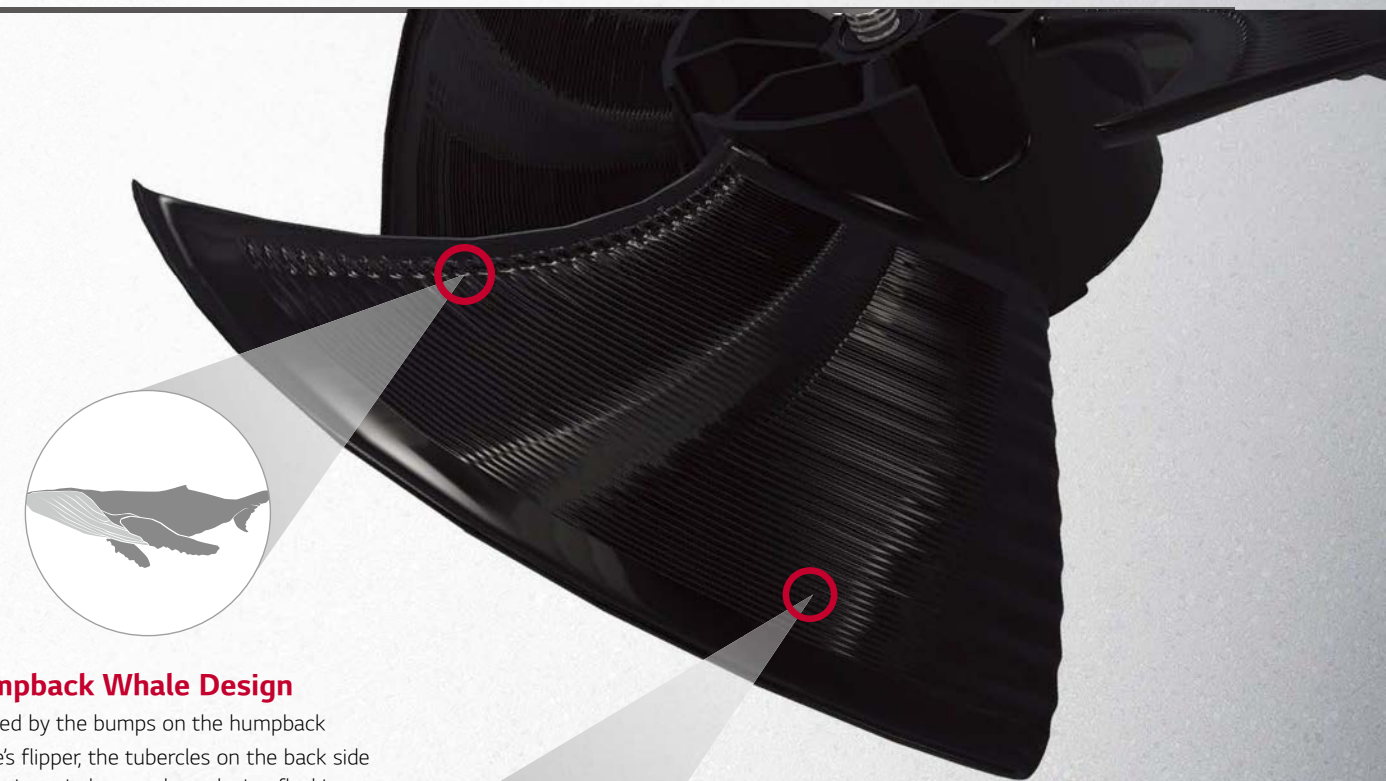
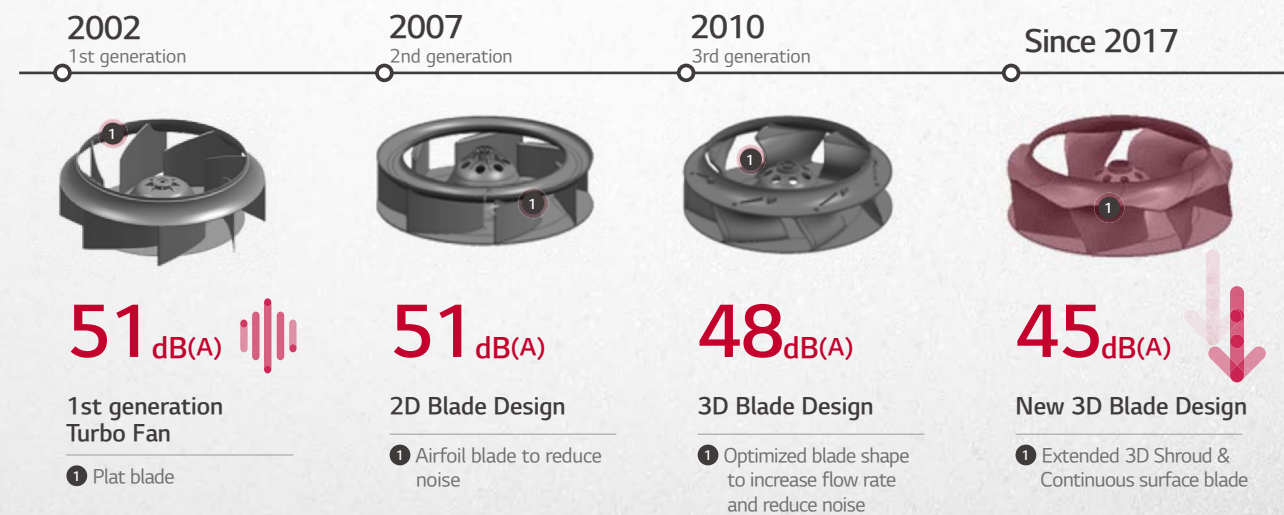
*OUTDOOR FAN (BIOMIMETIC FAN)

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**

kW				3.6	5.6	
Type	Btu/h			12k	18k	
Ceiling Mounted Cassette	4 Way Cassette		TROPICAL	HEAT		●
			COOL		●	
			COOL		●	
Ceiling Concealed Duct	High Statics		TROPICAL	HEAT		●
			COOL		●	
			COOL		●	
	Low Statics			HEAT	●	
Ceiling Suspended Unit		TROPICAL	HEAT		●	
			COOL		●	
			HEAT			
Floor Standing Unit		TROPICAL	HEAT			
			COOL			
			COOL		●	
Capacity(RT)				6.5	7.5	
Type	Btu/h			78k	90k	
Single Package		TROPICAL	HEAT			
			COOL	●	●	

*Tropical(T3) :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

7.1	9.0	10.6	14.1	15.8	28.0
24k	30k	36k	48k	54k	96k
●	●	●	●	●	
●	●	●	●	●	
●		●	●	●	
●	●	●	●	●	
●	●	●	●	●	
●		●	●	●	
●	●	●	●	●	
●	●	●	●	●	
		●	●	●	
●		●	●		●
			●		●
	●				
10.0	12.5	15.0	17.5	20.0	25.0
120k	136k	190k	210k	241k	276k
				●	●
●	●	●	●	●	●

PRODUCT LINE-UP

HIGH EFFICIENCY

TROPICALHEAT

CEILING CASSETTE						
						
kBtu / kW	18 / 5.3	24 / 7.0	30 / 8.8	36 / 10.6	48 / 14.1	54 / 15.8
Indoor Model Name	ATNW18GPLT1	ATNW24GPLT1	ATNW30GPLT1	ATNW36GNLT1	ATNW48GMLT1	ATNW54GMLT1
Outdoor Model Name	ATUW18GPLT1	ATUW24GPLT1	ATUW30GPLT1	ATUW36GNLT1	ATUW48GMLT1	ATUW54GMLT1

CEILING CONCEALED DUCT (MIDDLE STATIC)						
						
kBtu / kW	18 / 5.3	24 / 7.0	30 / 8.8	36 / 10.6	48 / 14.1	54 / 15.8
Indoor Model Name	ABNW18GM1T1	ABNW24GM1T1	ABNW30GM1T1	ABNW36GM3T1	ABNW48GM3T1	ABNW54GM3T1
Outdoor Model Name	ABUW18GM1T1	ABUW24GM1T1	ABUW30GM1T1	ABUW36GM3T1	ABUW48GM3T1	ABUW54GM3T1

CEILING SUSPENDED						
						
kBtu / kW	18 / 5.3	24 / 7.0	30 / 8.8	36 / 10.6	48 / 14.1	54 / 15.8
Indoor Model Name	AVNW18GM1T1	AVNW24GM1T1	AVNW30GM1T1	AVNW36GM2T1	AVNW48GM2T1	AVNW54GM2T1
Outdoor Model Name	AVUW18GM1T1	AVUW24GM1T1	AVUW30GM1T1	AVUW36GM2T1	AVUW48GM2T1	AVUW54GM2T1

FLOOR STANDING						
						
kBtu / kW				36 / 10.6	48 / 14.1	96 / 28.2
Indoor Model Name				APNW36GT3S1	APNW50*T3E0	APNW100LFT0
Outdoor Model Name				APUW36GT3S1	APUW50*T3E0	APUW100LFT0

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

TROPICALCOOL

CEILING CASSETTE						
						
kBtu / kW	18 / 5.3	24 / 7.0	30 / 8.8	36 / 10.6	48 / 14.1	54 / 15.8
Indoor Model Name	ATNQ18GPLT1	ATNQ24GPLT1	ATNQ30GPLT1	ATNQ36GNLT1	ATNQ48GMLT1	ATNQ54GMLT1
Outdoor Model Name	ATUQ18GPLT1	ATUQ24GPLT1	ATUQ30GPLT1	ATUQ36GNLT1	ATUQ48GMLT1	ATUQ54GMLT1

CEILING CONCEALED DUCT (MIDDLE STATIC)						
						
kBtu / kW	18 / 5.3	24 / 7.0	30 / 8.8	36 / 10.6	48 / 14.1	54 / 15.8
Indoor Model Name	ABNQ18GM1T1	ABNQ24GM1T1	ABNQ30GM1T1	ABNQ36GM3T1	ABNQ48GM3T1 ABNQ48LM3T0	ABNQ54GM3T1 ABNQ54LM3T0
Outdoor Model Name	ABUQ18GM1T1	ABUQ24GM1T1	ABUQ30GM1T1	ABUQ36GM3T1	ABUQ48GM3T1 ABUQ48LM3T0	ABUQ54GM3T1 ABUQ54LM3T0

CEILING SUSPENDED						
						
kBtu / kW	18 / 5.3	24 / 7.0	30 / 8.8	36 / 10.6	48 / 14.1	54 / 15.8
Indoor Model Name	AVNQ18GM1T1	AVNQ24GM1T1	AVNQ30GM1T1	AVNQ36GM2T1	AVNQ48GM2T1	AVNQ54GM2T1
Outdoor Model Name	AVUQ18GM1T1	AVUQ24GM1T1	AVUQ30GM1T1	AVUQ36GM2T1	AVUQ48GM2T1	AVUQ54GM2T1

FLOOR STANDING						
						
kBtu / kW					48 / 14.1	96 / 28.2
Indoor Model Name					APNQ50LT3E0	APNQ100LFT0
Outdoor Model Name					APUQ50LT3E0	APNQ100LFT0

SINGLE PACKAGE				
Capacity (RT)		6.5, 7.5 RT	10, 12.5 RT	15, 17.5, 20, 25 RT
Single Package				
Model Name		AK-Q0788C01 AK-Q0908C01	AK-Q1208C01 AK-Q1508C01	AK-Q1808C01 / AK-Q2108C01 AK-Q2408C01 / AK-Q3008C01

PRODUCT LINE-UP

STANDARD

TROPICALHEAT

CEILING CASSETTE						
						
kBtu / kW	18 / 5.3	24 / 7.0	30 / 8.8	36 / 10.6	48 / 14.1	54 / 15.8
Indoor Model Name	ATNW18GPLS1	ATNW24GPLS1	ATNW30GPLS1	ATNW36GMLS1	ATNW48GMLS1	ATNW54GMLS1
Outdoor Model Name	ATUW18GPLS1	ATUW24GPLT1	ATUW30GPLS1	ATUW36GMLS1	ATUW48GMLS1	ATUW54GMLS1

CEILING CONCEALED DUCT (MIDDLE STATIC)						
						
kBtu / kW	18 / 5.3	24 / 7.0	30 / 8.8	36 / 10.6	48 / 14.1	54 / 15.8
Indoor Model Name	ABNW18GM1S1	ABNW24GM1S1	ABNW30GM1S1	ABNW36GM2S1	ABNW48GM3S1	ABNW54GM3S1
Outdoor Model Name	ABUW18GM1S1	ABUW24GM1S1	ABUW30GM1S1	ABUW36GM2S1	ABUW48GM3S1	ABUW54GM3S1

FLOOR STANDING						
						
kBtu / kW			24	36 / 10.6	48 / 14.1	
Indoor Model Name			APNW24GS1S1	APNW36GT3S1	APNW48GT3S1	
Outdoor Model Name			APUW24GS1S1	APUW36GT3S1	APUW48GT3S1	

COOL

CEILING CASSETTE					
					
kBtu / kW	18 / 5.3	24 / 7.0	36 / 10.6	48 / 14.1	54 / 15.8
Indoor Model Name	ATNQ22GPLA4	ATNQ30GPLA4	ATNQ40GNLA4	ATNQ50GMLA4	ATNQ60GMLA4
Outdoor Model Name	ATUQ22GPLA4	ATUQ30GPLA4	AUUQ40GH4	AUUQ50GH4	AUUQ60GH4

CEILING CONCEALED DUCT (MIDDLE STATIC)					
					
kBtu / kW	18 / 5.3	24 / 7.0	36 / 10.6	48 / 14.1	54 / 15.8
Indoor Model Name	ABNQ22GM1A4	ABNQ30GM1A4	ABNQ40GM3A4	ABNQ50GM3A4	ABNQ60GM3A4
Outdoor Model Name	ABUQ22GM1A4	ABUQ30GM1A4	AUUQ40GH4	AUUQ50GH4	AUUQ60GH4

FLOOR STANDING						
						
kBtu / kW			18	30		
Indoor Model Name			APNQ18GS1K1	APNQ30GS1K1		
Outdoor Model Name			APUQ18GS1K1	APUQ30GS1K1		

HEAT

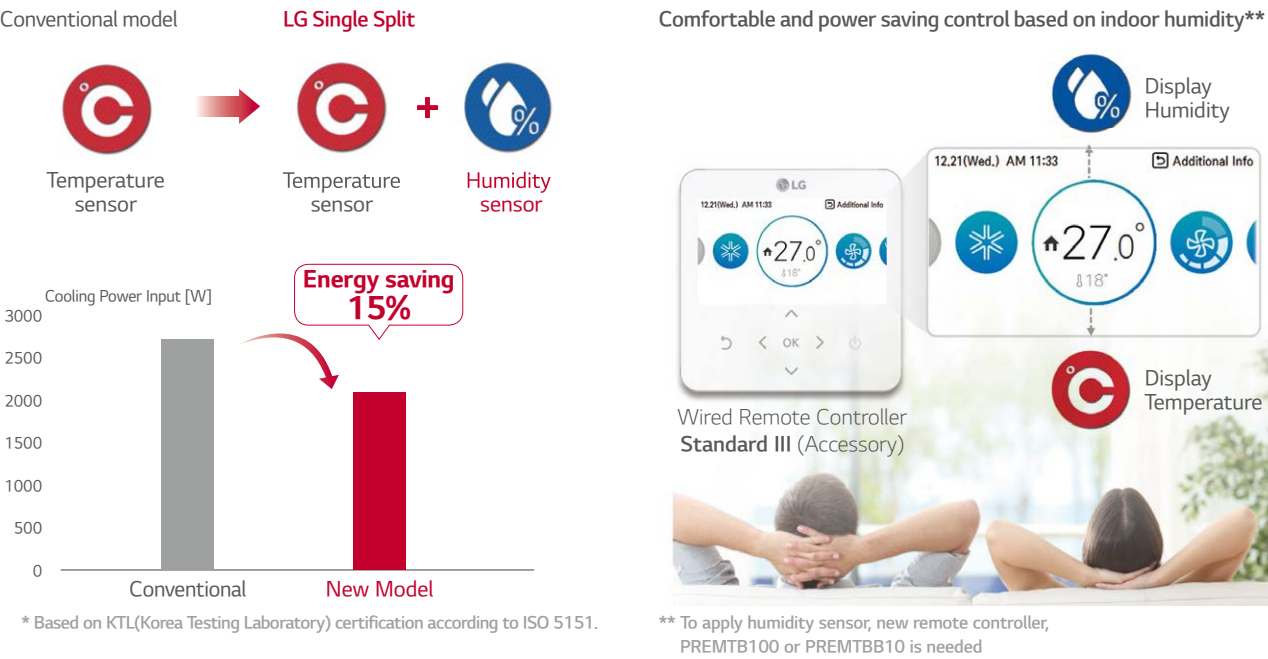
CEILING CONCEALED DUCT (LOW STATIC)	
	
kBtu / kW	12
Indoor Model Name	ABNW12GL5S1
Outdoor Model Name	ABUW12GL5S1

CEILING SUSPENDED			
			
kBtu / kW	36 / 10.6	48 / 14.1	60
Indoor Model Name	AVNW36GM1S1	AVNW48LM2S1	AVNW60LM2S1
Outdoor Model Name	AUUW36GS1	AUUW48LS1	AUUW54LS1

ENERGY SAVING

COMFORT COOLING WITH HUMIDITY SENSOR

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



LG SINGLE SPLIT (Dry Summer)

Comfort

LG SINGLE SPLIT (Wet Summer)

Comfort

1) Indoor Condition
2) Evaporation Temperature

Comfortable Environment
By making the room less dry

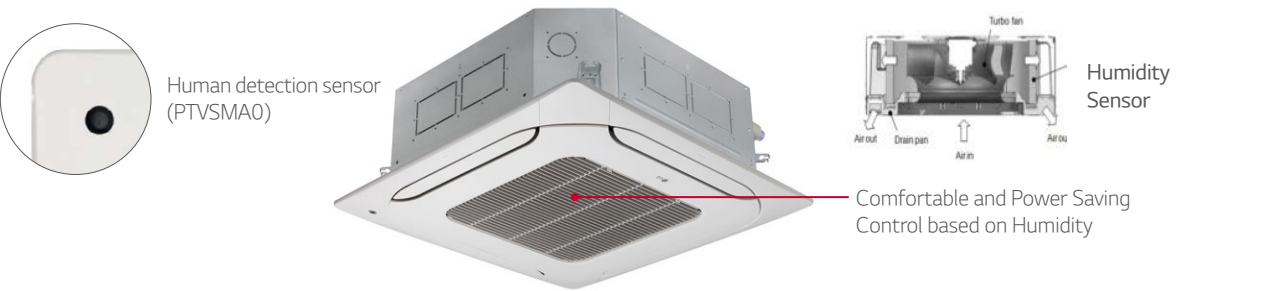
Increased Energy Efficiency
Provide optimized cooling and save energy considering humidity

Max.18 % Energy Saving*



ENERGY SAVING

ENERGY SAVING WITH HUMAN DETECTION SENSOR



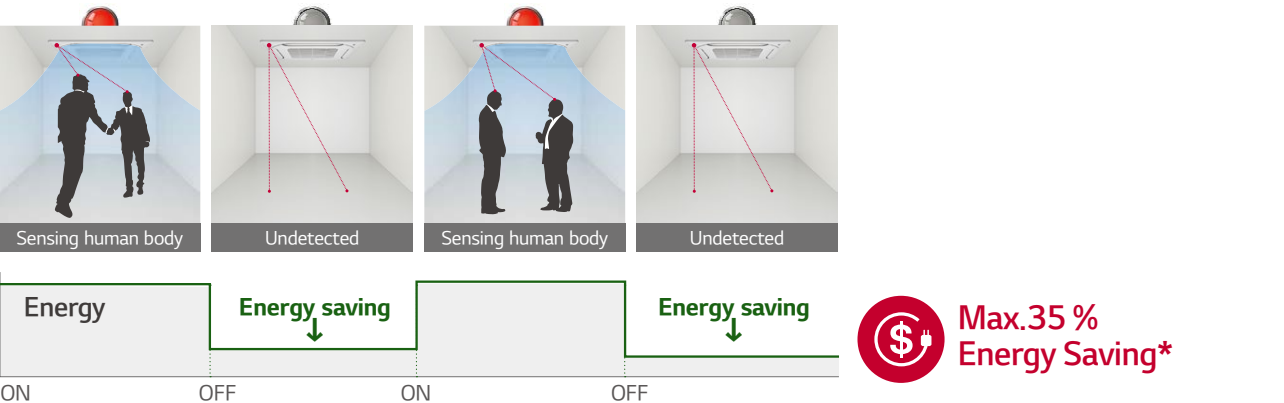
Direction control based on human motion
Air flow direction is controlled automatically by motion sensor that detects the activity of people every 10seconds.

10 seconds

Compressor control based on real load
Discharge temperature is controlled by the number of occupancy.

Height 3.2 (15 x 8m)
Height 3.5 (16 x 10m)
A sensor is installed 90° rotation 12 x 6m → 6 x 12m detecting

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

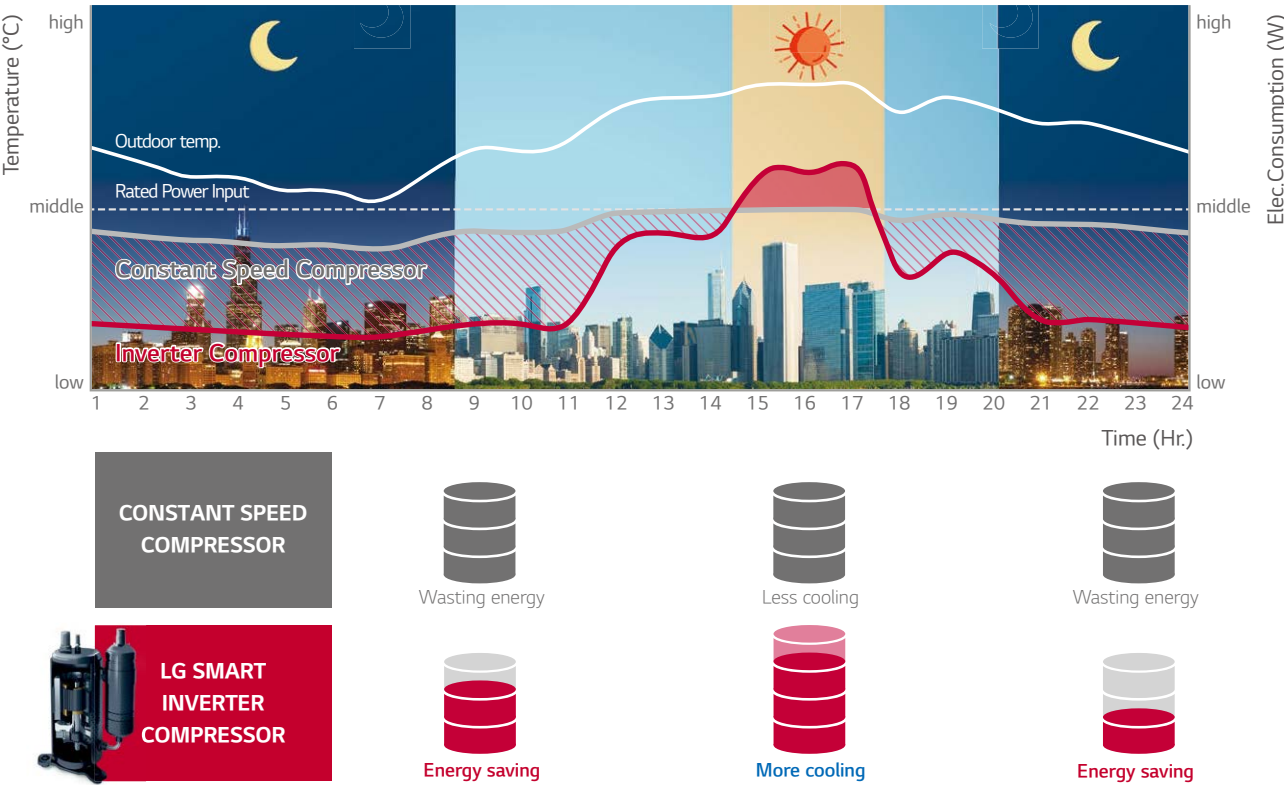


※ Sensor is optional accessory (PTVSM0) : only can be applied to PT-MCHW0(CST Panel) ※ This mode can be operated when you select "On/Off power saving"
※ To use this function, new remote controller, PREMTB100 or PREMTBB10 is needed

ENERGY SAVING

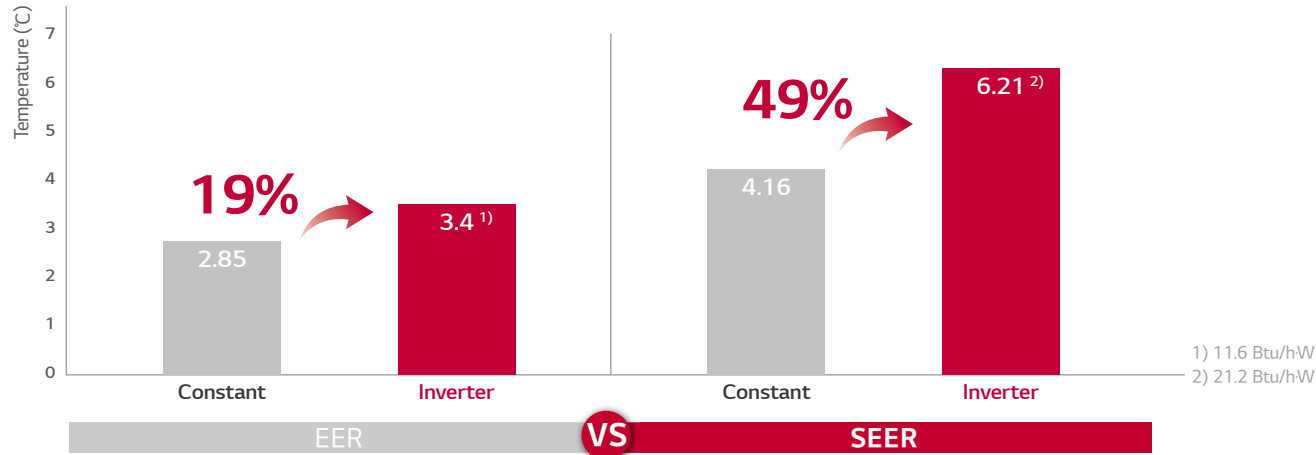
COMFORT

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.

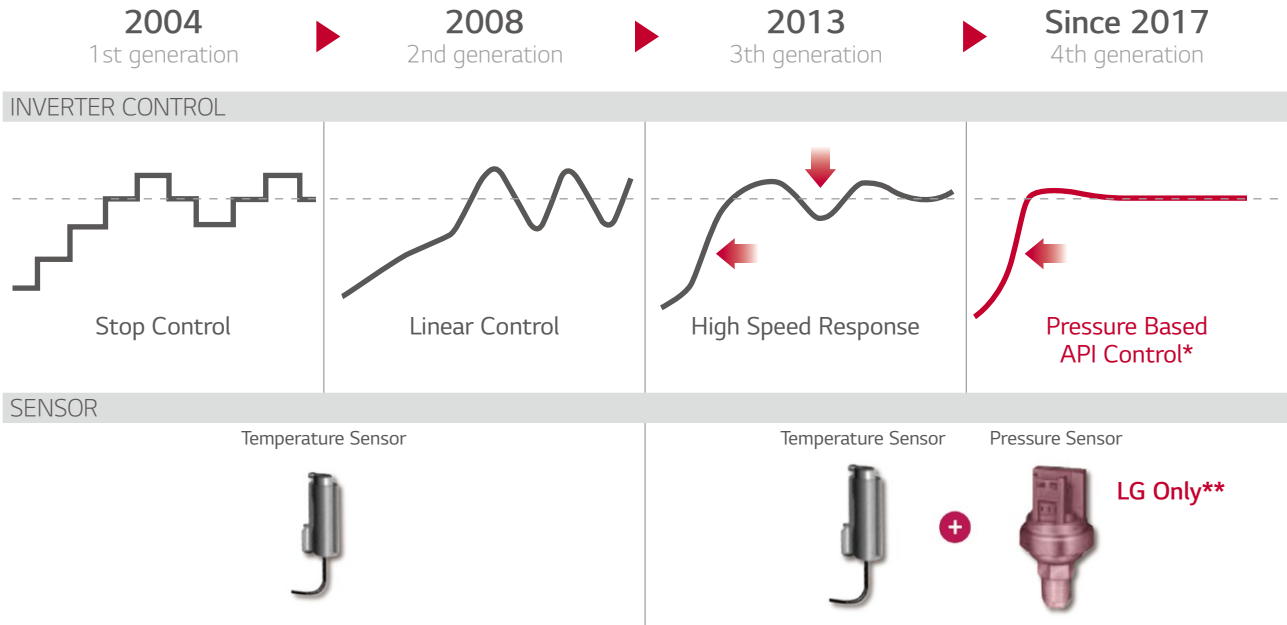
QUICK COOLING WITH SMART SENSOR

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)

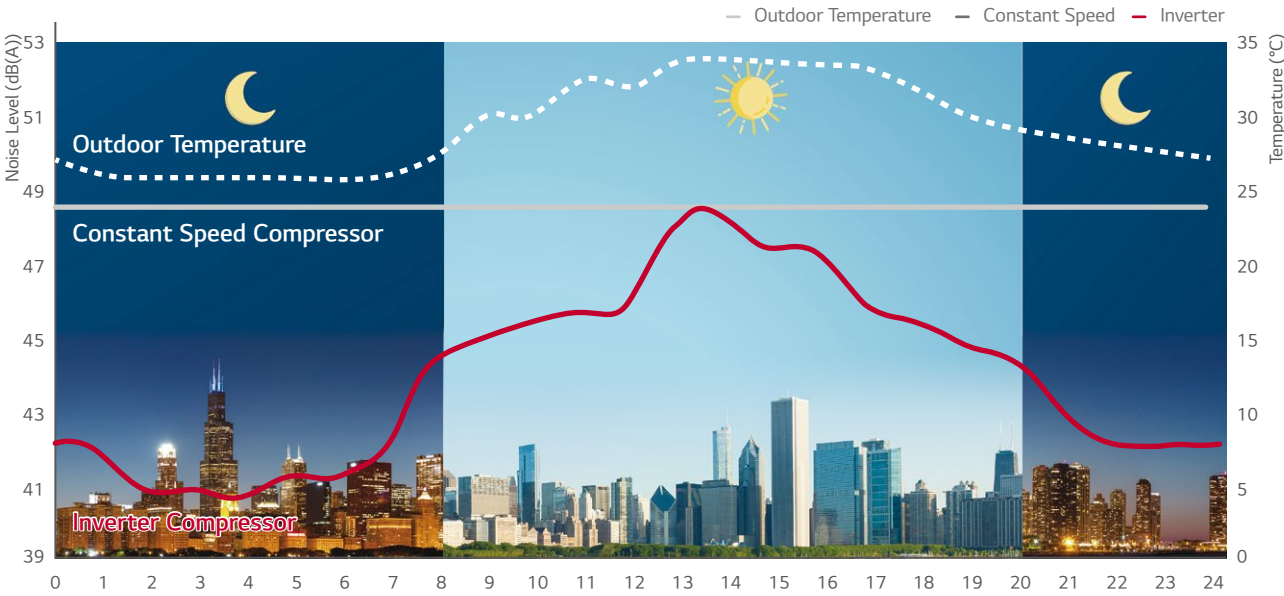


* API Control : Adaptive Proportional Intergrated control.

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

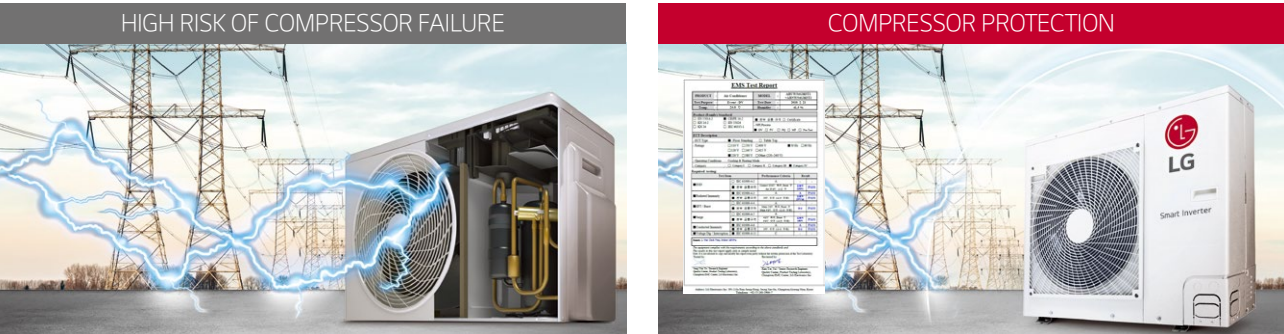
When indoor temperature reaches near to the target temperature, LG Smart Inverter adjusts its discharge air temperature to prevent the indoor from being overcooled.



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

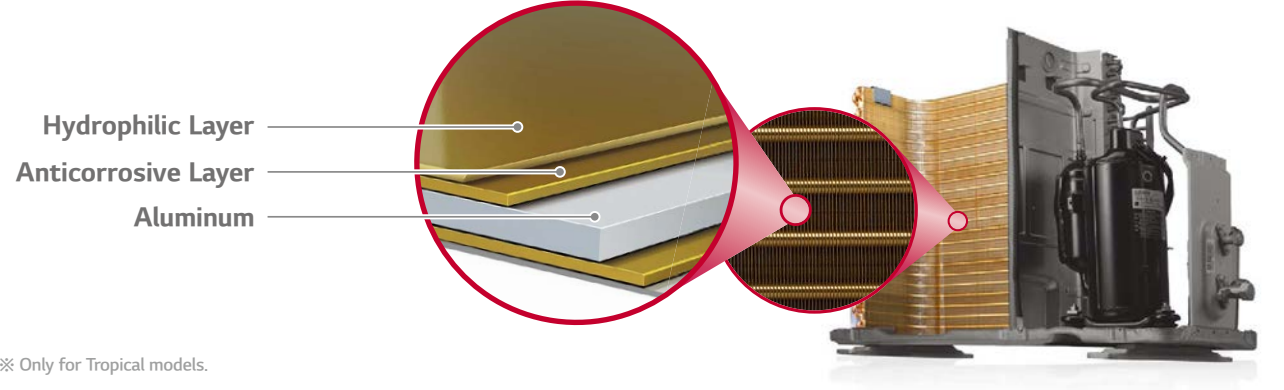
Be able to operate at extreme conditions.



※ Differences of operation range by model type.

CORROSION RESISTANT HEAT EXCHANGER

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

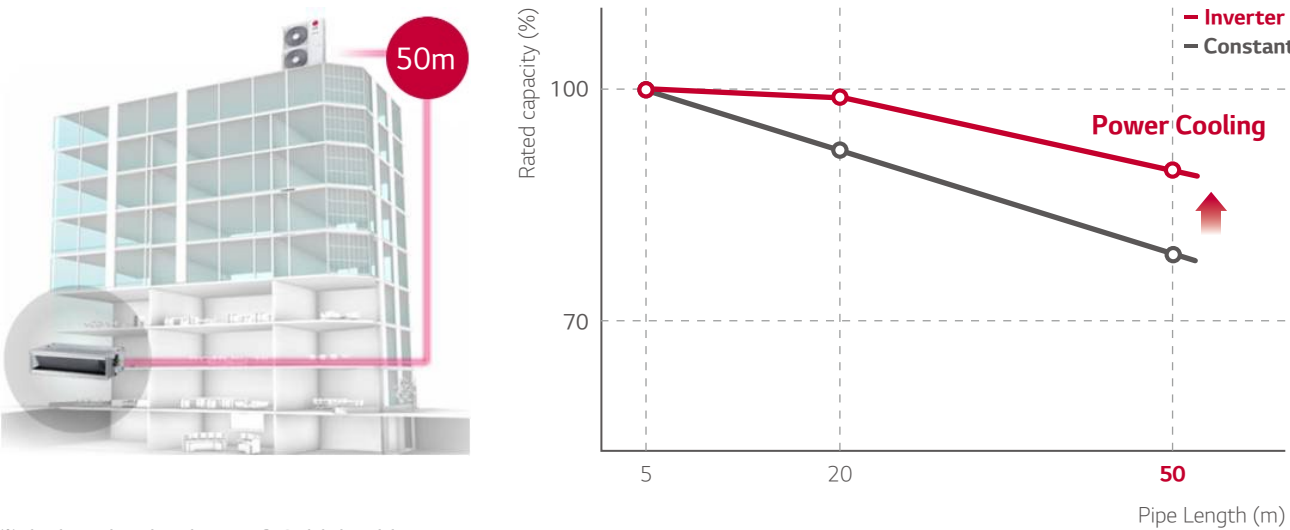


※ Only for Tropical models.

RELIABILITY

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

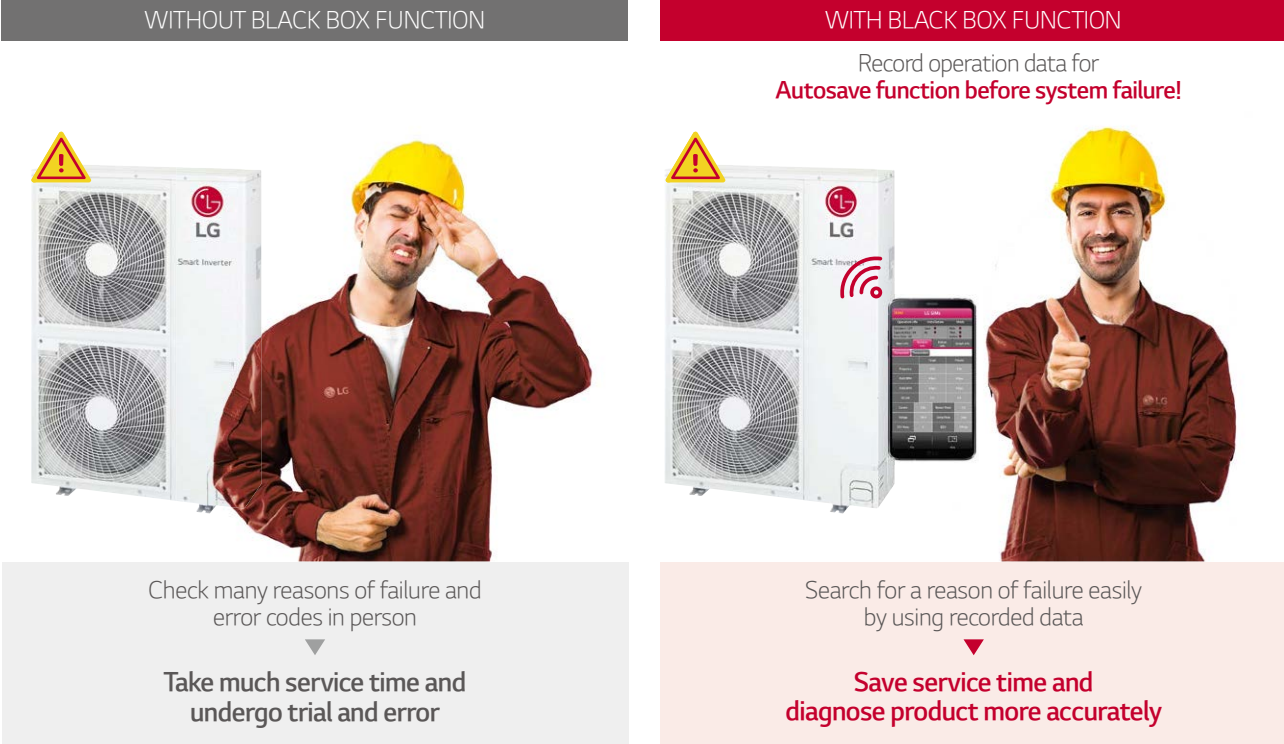
Detect the refrigerant level continuously and judge if the refrigerant insufficient. If the amount of refrigerant is under 60% in the system, it can check the error display of remote controller and running will be stopped.



RELIABILITY

BLACK BOX FOR EMERGENCY

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



※ 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 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.



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 (PVFMD200) is required by option.

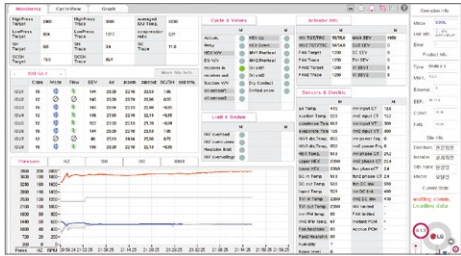
Access your air conditioner anytime and from anywhere

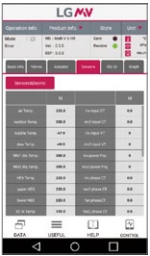


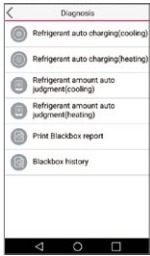
Previous

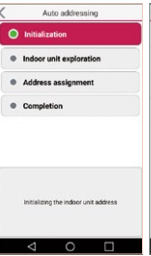








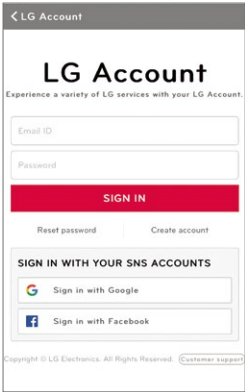






Easy Registration and Log-in

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

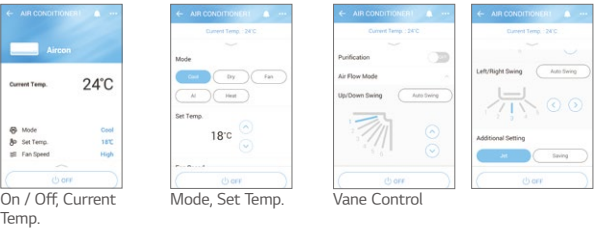


Wi-Fi Connectivity



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

Simple operation for various functions



Straight forward Management



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.



HIGH EFFICIENCY STANDARD EFFICIENCY SINGLE SPLIT

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



CEILING MOUNTED CASSETTE



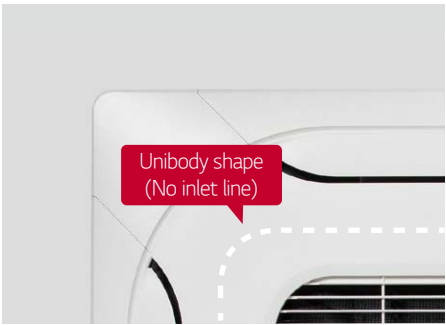
STYLISH DESIGN PANEL

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

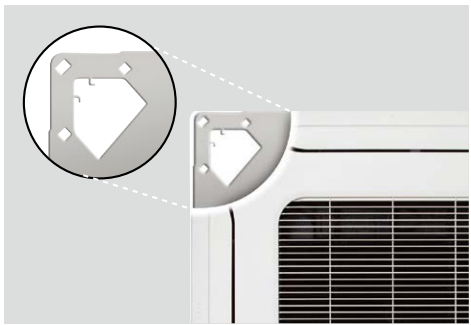
Interior fit



Lineless surface



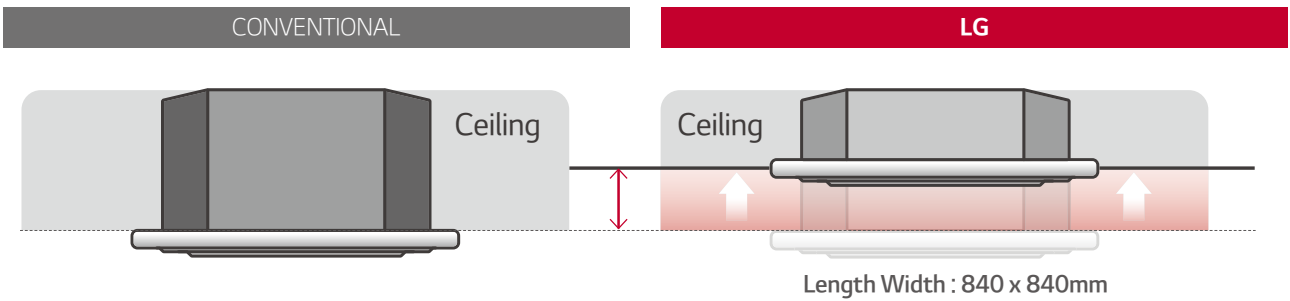
Detachable corner



※ New Panel : PT-MCHW0

COMPACT SIZE

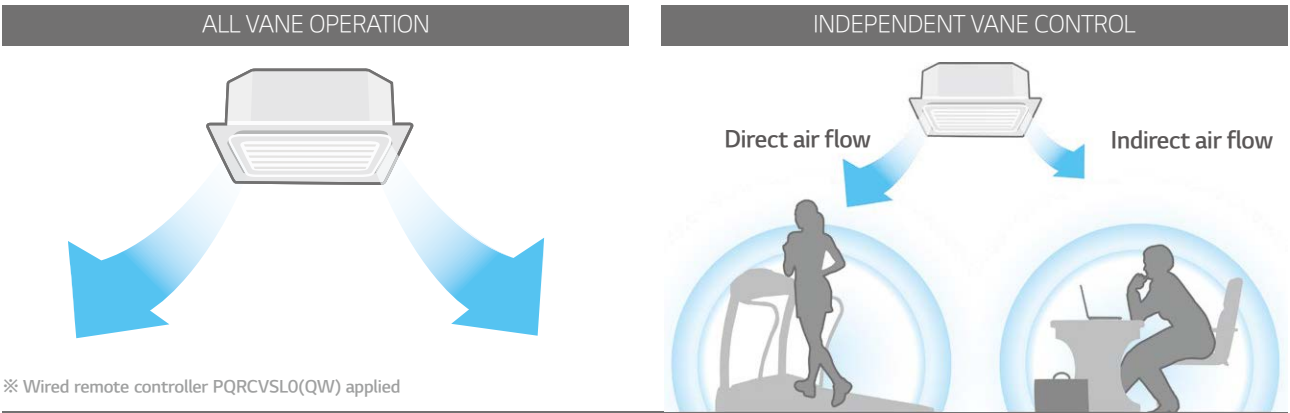
Slim & compact design not only saves space but also reduces installation costs. It's designed to be suitable for most of building designs and fits into various spaces.



Height	Size
ATN*18/24/30GPLT1(S1)	204mm
ATN*36GNLT1(S1)	246mm
ATN*48/54GMLT1(S1)	288mm

INDEPENDENT VANE OPERATION

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

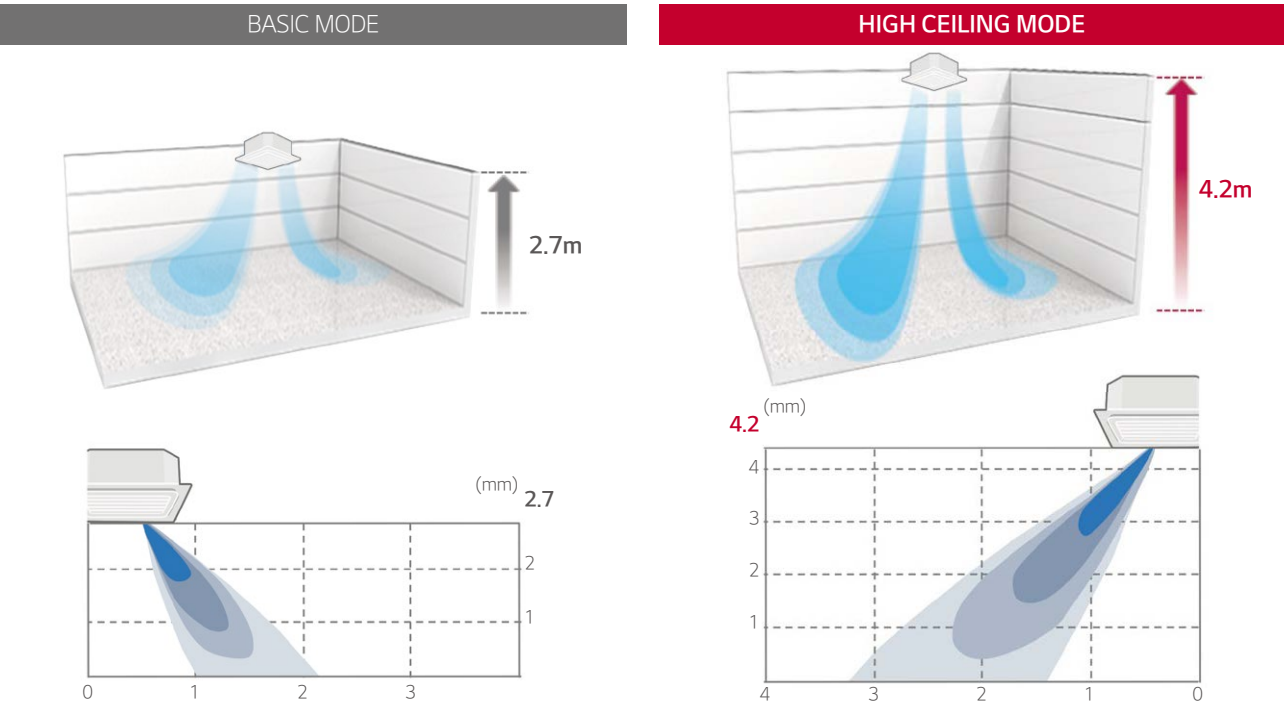


※ Wired remote controller PQRCVSL0(QW) applied

CEILING MOUNTED CASSETTE

HIGH CEILING MODE

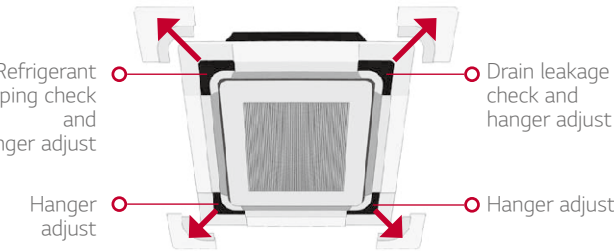
Airflow in a space with a 4.2m ceiling height is available with this indoor unit. Further, air flow can be strengthened by adjusting the fan speed.



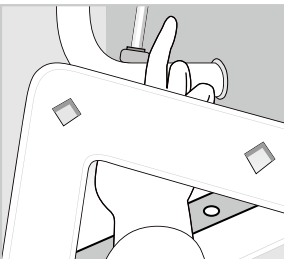
CONVENIENT PANEL INSTALLATION

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.

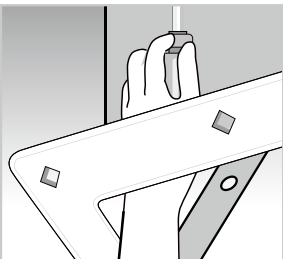
Detachable Corner Design



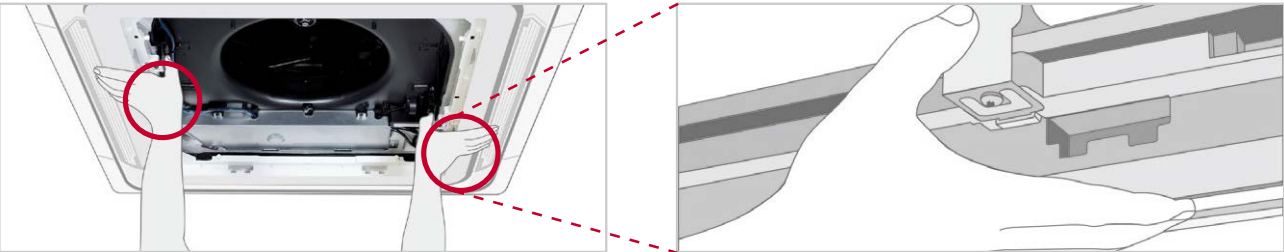
Drain Leakage Check



Hanger Adjust

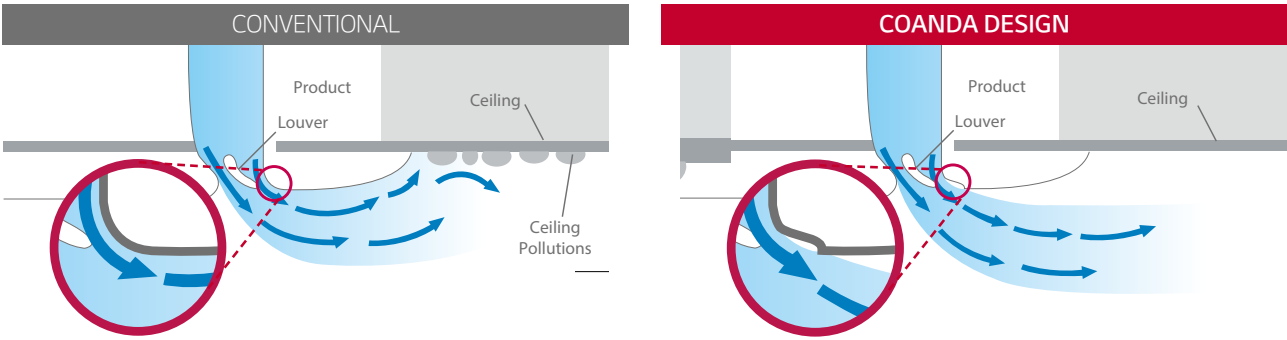


It is easy to install the panel to the body, using the button type panel design.



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)	-	6.6	950	35	950	7.1 ~ 15.8	6.8 ~ 14.6	6.8 ~ 14.6	6.7	6.7

SPECIFICATIONS

CEILING MOUNTED CASSETTE - HIGH EFFICIENCY



TROPICALHEAT

Combination			Outdoor unit		Unit	ATUW18GPLT1	ATUW24GPLT1
			Indoor unit			ATNW18GPLT1	ATNW24GPLT1
Cooling Capacity ¹			Min. ~ Rated ~ Max.		kW	2.1-5.27-5.86	2.81-7.03-8.2
					Btu/h	7,200-18,000-20,000	9,600-24,000-28,000
Cooling Capacity ²			Min. ~ Rated ~ Max.		kW	4.53	5.86
					Btu/h	15,450	20000
Heating Capacity ¹			Min. ~ Rated ~ Max.		kW	2.1-5.27-6.1	2.8-7.03-8.2
					Btu/h	7,200-18,000-21,000	9,600-24,000-28,000
Power Input	Cooling ¹	Rated		kW	1.55	2.06	
	Cooling ²	Rated		kW	1.71	2.25	
	Heating ¹	Rated		kW	1.50	2.05	
EER / COP					W/W	3.4/3.51	3.41/3.43
Outdoor				Unit	ATUW18GPLT1	ATUW24GPLT1	
Power Supply					V , Ø , Hz	220 - 240, 1, 50	220 - 240, 1, 50
Power Supply Cable (included Earth)					No. × mm²	3C × 2.5	3C × 2.5
Casing Color					-	Warm Gray	Warm Gray
Dimensions	Net	W × H × D			mm	770 × 545 × 288	870 × 650 × 330
Weight	Net				kg	35.2	45.5
Compressor	Type				-	Twin Rotary	Twin Rotary
Fan Motor	Type					BLDC	BLDC
Sound Pressure Level	Cooling	Rated			dB(A)	49	50
	Heating	Rated			dB(A)	52	52
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			Rated		m	5	5
			Max.		m	30	50
Maximum Height Difference (ODU ~ IDU)			Max.		m	15	30
Indoor				Unit	ATNW18GPLT1	ATNW24GPLT1	
Power Supply					V , Ø , Hz	220-240, 1, 50	220-240, 1, 50
Dimensions	Net	W × H × D			mm	840 × 204 × 840	840 × 204 × 840
	Shipping	W × H × D			mm	922 × 276 × 917	922 × 276 × 917
Weight	Net				kg	19.6	20.5
Air Flow Rate		H / M / L			m³/min	17.0 / 15.0 / 13.0	17.0 / 15.0 / 13.0
Fan Motor	Type					BLDC	BLDC
Safety Device						Fuse	Fuse
Sound Pressure Level			H / M / L		dB(A)	36 / 34 / 32	38 / 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



TROPICALHEAT

ATUW30GPLT1	ATUW36GNLT1	ATUW48GMLT1	ATUW54GMLT1
ATNW30GPLT1	ATNW36GNLT1	ATNW48GMLT1	ATNW54GMLT1
3.44~8.2~9.38	4.7~9.99~11.13	5.39~13.48~15.53	6.33~15.82~16.70
11,760~28,000~32,000	16,030~34,100~38,000	18,400~46,000~53,000	21,600~54,000~57,000
7.38	8.49	11.45	12.34
25,200	28980	39100	42120
3.28~8.2~9.09	4.0~9.99~10.84	5.62~14.06~15.8	6.56~16.41~17.6
11,200~28,000~31,000	13,640~34,100~37,000	19,200~48,000~54,000	22,400~56,000~60,000
2.41	2.93	3.96	5.39
3.02	3.44	4.66	5.40
2.33	2.84	4.00	5.09
3.4/3.52	3.41/3.52	3.4/3.52	2.94/3.22
ATUW30GPLT1	ATUW36GNLT1	ATUW48GMLT1	ATUW54GMLT1
220-240, 1, 50	220-240, 1, 50	220-240, 1, 50	220-240, 1, 50
3C × 2.5	3C × 2.5	3C × 6.0	3C × 6.0
Warm Gray	Warm Gray	Warm Gray	Warm Gray
950 × 834 × 330	950 × 834 × 330	950 × 1,380 × 330	950 × 1,380 × 330
60.8	60.8	90.2	90.2
Twin Rotary	Twin Rotary	LG Inverter Scroll	LG Inverter Scroll
BLDC	BLDC	BLDC	BLDC
51	51	55	55
53	53	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)
5	5	5	5
50	50	75	75
30	30	30	30
ATNW30GPLT1	ATNW36GNLT1	ATNW48GMLT1	ATNW54GMLT1
220-240, 1, 50	220-240, 1, 50	220-240, 1, 50	220-240, 1, 50
840 × 204 × 840	840 × 246 × 840	840 × 288 × 840	840 × 288 × 840
922 × 276 × 917	922 × 318 × 917	922 × 360 × 917	922 × 360 × 917
20.5	23.3	25.5	25.5
19.0 / 17.0 / 15.0	23.0 / 21.0 / 19.0	32.0 / 30.0 / 28.0	32.0 / 30.0 / 28.0
BLDC	BLDC	BLDC	BLDC
Fuse	Fuse	Fuse	Fuse
41 / 38 / 36	42 / 40 / 38	44 / 42 / 40	44 / 42 / 40

SPECIFICATIONS

CEILING MOUNTED CASSETTE - HIGH EFFICIENCY



TROPICAL COOL

Combination		Outdoor unit		Unit	ATUQ18GPLT1	ATUQ24GPLT1
		Indoor unit			ATNQ18GPLT1	ATNQ24GPLT1
Cooling Capacity ¹		Min. ~ Rated ~ Max.		kW	2.1-5.27-5.86	2.81-7.03-8.2
				Btu/h	7,200-18,000-20,000	9,600-24,000-28,000
Cooling Capacity ²		Min. ~ Rated ~ Max.		kW	4.53	5.86
				Btu/h	15,450	20,000
Power Input	Cooling ¹	Rated		kW	1.55	2.06
	Cooling ²	Rated		kW	1.71	2.25
EER / COP				W/W	3.4	3.41
Outdoor				Unit	ATUQ18GPLT1	ATUQ24GPLT1
Power Supply				V , Ø , Hz	220-240, 1, 50	220-240, 1, 50
Power Supply Cable (included Earth)				No. × mm²	3C × 2.5	3C × 2.5
Casing Color				-	Warm Gray	Warm Gray
Dimensions	Net	W × H × D		mm	770 × 545 × 288	870 × 650 × 330
Weight	Net			kg	34.3	43.3
Compressor	Type			-	Twin Rotary	Twin Rotary
Refrigerant	Type			-	R410A	R410A
Fan Motor	Type				BLDC	BLDC
Sound Pressure Level	Cooling	Rated		dB(A)	49	50
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		Rated		m	5	5
		Max.		m	30	50
Maximum Height Difference (ODU ~ IDU)		Max.		m	15	30
Indoor				Unit	ATNQ18GPLT1	ATNQ24GPLT1
Power Supply				V , Ø , Hz	220-240, 1, 50	220-240, 1, 50
Dimensions	Net	W × H × D		mm	840 × 204 × 840	840 × 204 × 840
	Shipping	W × H × D		mm	922 × 276 × 917	922 × 276 × 917
Weight	Net			kg	19.6	20.5
Air Flow Rate		H / M / L		m³/min	17.0 / 15.0 / 13.0	17.0 / 15.0 / 13.0
Fan Motor	Type				BLDC	BLDC
Safety Device					Fuse	Fuse
Sound Pressure Level		H / M / L		dB(A)	36 / 34 / 32	38 / 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



TROPICAL COOL

ATUQ30GPLT1	ATUQ36GNLT1	ATUQ48GMLT1	ATUQ54GMLT1
ATNQ30GPLT1	ATNQ36GNLT1	ATNQ48GMLT1	ATNQ54GMLT1
3.44~8.2~9.38	4.7~9.99~11.13	5.39 ~ 13.48 ~ 15.53	6.33 ~ 15.82 ~ 16.70
11,760~28,000~32,000	16,030~34,100~38,000	18,400~46,000~53,000	21,600~54,000~57,000
7.38	8.49	11.45	12.34
25,200	28,980	39,100	42,120
2.41	2.93	3.96	5.39
3.02	3.44	4.66	5.40
3.4	3.41	3.4	2.94
ATUQ30GPLT1	ATUQ36GNLT1	ATUQ48GMLT1	ATUQ54GMLT1
220-240, 1, 50	220-240, 1, 50	220-240, 1, 50	220-240, 1, 50
3C × 2.5	3C × 2.5	3C × 6.0	3C × 6.0
Warm Gray	Warm Gray	Warm Gray	Warm Gray
950 × 834 × 330	950 × 834 × 330	950 × 1,380 × 330	950 × 1,380 × 330
59.1	59.1	89.5	89.5
Twin Rotary	Twin Rotary	LG Inverter Scroll	LG Inverter Scroll
R410A	R410A	R410A	R410A
BLDC	BLDC	BLDC	BLDC
51	51	55	55
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)
5	5	5	5
50	50	75	75
30	30	30	30
ATNQ30GPLT1	ATNQ36GNLT1	ATNQ48GMLT1	ATNQ54GMLT1
220-240, 1, 50	220-240, 1, 50	220-240, 1, 50	220-240, 1, 50
840 × 204 × 840	840 × 246 × 840	840 × 288 × 840	840 × 288 × 840
922 × 276 × 917	922 × 318 × 917	922 × 360 × 917	922 × 360 × 917
20.5	23.3	25.5	25.5
19.0 / 17.0 / 15.0	23.0 / 21.0 / 19.0	32.0 / 30.0 / 28.0	32.0 / 30.0 / 28.0
BLDC	BLDC	BLDC	BLDC
Fuse	Fuse	Fuse	Fuse
41 / 38 / 36	42 / 40 / 38	44 / 42 / 40	44 / 42 / 40

SPECIFICATIONS

CEILING MOUNTED CASSETTE - STANDARD



TROPICAL HEAT

Combination	Outdoor unit		Unit	ATUW18GPLS1	ATUW24GPLS1
	Indoor unit			ATNW18GPLS1	ATNW24GPLS1
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				ATUW18GPLS1	ATUW24GPLS1
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	ATNW18GPLS1	ATNW24GPLS1
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
- 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



TROPICAL HEAT

ATUW30GPLS1	ATUW36GMLS1	ATUW48GMLS1	ATUW54GMLS1
ATNW30GPLS1	ATNW36GMLS1	ATNW48GMLS1	ATNW54GMLS1
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
ATUW30GPLS1	ATUW36GMLS1	ATUW48GMLS1	ATUW54GMLS1
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)
ATNW30GPLS1	ATNW36GMLS1	AT NW48GMLS1	ATNW54GMLS1
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

SPECIFICATIONS

CEILING MOUNTED CASSETTE - STANDARD



COOL

Combination		Outdoor unit		Unit	ATUQ22GPLA4	ATUQ30GPLA4
		Indoor unit			ATNQ22GPLA4	ATNQ30GPLA4
Capacity	Cooling	Min. ~ Rated ~ Max.	kW	1.58 ~ 5.13 ~ 6.45	2.11 ~ 7.03 ~ 8.79	
			Btu/h	5,400 ~ 17,500 ~ 22,000	7,200 ~ 24,000 ~ 30,000	
Power Input	Cooling	Rated	kW	1.51	2.19	
Running Current	Cooling	Rated	A	6.60	9.60	
EER / COP			Btu / hW / W / W	11.59 / 3.40	10.96 / 3.21	
SEER / SCOP			Wh / Wh	19.00 / -	19.00 / -	
Outdoor			Wh / Wh	ATUQ22GPLA4	ATUQ30GPLA4	
Power Supply			V, Ø, Hz	220-240 / 50,60 / 1	220-240 / 50,60 / 1	
Power Supply Cable (included Earth)			No. × mm²	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 (lbs)	33.0 (72.8)	41.5 (91.5)	
Compressor	Type		-	Twin Rotary	Twin Rotary	
Fan Motor	Type			BLDC	BLDC	
Sound Pressure Level	Cooling	Rated	dB(A)	47	53	
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)	30 (98.4)	50 (164.0)	
Maximum Height Difference (ODU ~ IDU)		Max.	m (ft)	20 (65.6)	30 (98.4)	
Indoor			Unit	ATNQ22GPLA4	ATNQ30GPLA4	
Power Supply			V, Ø, Hz	220-240, 1, 50	220-240, 1, 50	
Dimensions	Net	W × H × D	mm	840 × 204 × 840	840 × 204 × 840	
	Shipping	W × H × D	mm	922 × 276 × 917	922 × 276 × 917	
Weight	Net		kg	21 (46.3)	21 (46.3)	
	Shipping		kg	27 (59.5)	27 (59.5)	
Air Flow Rate		H / M / L	m³/min	16.5 / 14.5 / 13.0	17.0 / 15.0 / 13.0	
Fan Motor	Type			BLDC	BLDC	
Protection Dvice				Fuse	Fuse	
Sound Pressure Level		H / M / L	dB(A)	36 / 34 / 32	38 / 36 / 34	



COOL

AUUQ40GH4	AUUQ50GH4	AUUQ60GH4
ATNQ40GNLA4	ATNQ50GMLA4	ATNQ60GMLA4
3.15 ~ 9.99 ~ 11.55	4.05 ~ 12.9~ 14.5	4.05 ~ 17.00 ~ 17.88
10,800 ~ 34,100 ~ 39,400	13,800 ~ 44,000 ~ 49,500	13,800 ~ 58,000 ~ 61,000
3.00	4.53	5.85
13.20	19.90	25.70
11.37 / 3.33	9.71/ 2.85	9.91 / 2.91
19.00 / -	18.00 / -	18.00 / -
AUUQ40GH4	AUUQ50GH4	AUUQ60GH4
220-240 / 50,60 / 1	220-240 / 50,60 / 1	220-240 / 50,60 / 1
3C x 2.5 (12)	3C x 4.0 (10)	3C x 6.0 (6)
Warm Gray	Warm Gray	Warm Gray
950 x 834 x 330	950 x 834 x 330	950 x 1,380 x 330
56.0 (123.5)	67 (147.7)	96.0 (211.6)
Twin Rotary	Twin Rotary	LG Inverter Scroll
BLDC	BLDC	BLDC
55	57	59
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)
50 (164.0)	50 (164.0)	50 (164.0)
30 (98.4)	30 (98.4)	30 (98.4)
ATNQ40GNLA4	ATNQ50GMLA4	ATNQ60GMLA4
220-240, 1, 50	220-240, 1, 50	220-240, 1, 50
840 x 246 x 840	840 x 288 x 840	840 x 288 x 840
922 x 318 x 917	922 x 360 x 917	922 x 360 x 917
24 (52.9)	28 (61.7)	28 (61.7)
30(66.1)	34 (80.0)	34 (80.0)
23.0 / 21.0 / 19.0	31.0 / 28.0 / 25	31.0 / 28.0 / 25
BLDC	BLDC	BLDC
Fuse	Fuse	Fuse
40 / 38 / 36	47 / 45 / 42	47 / 45 / 42

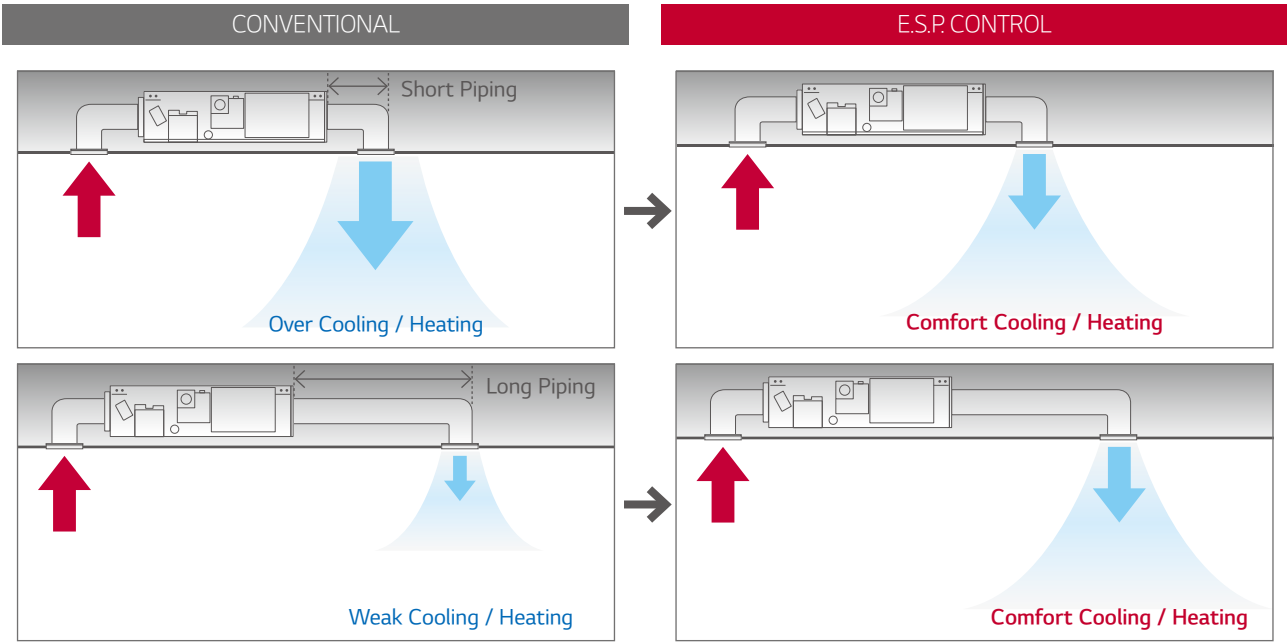
CASSETTE

CEILING CONCEALED DUCT



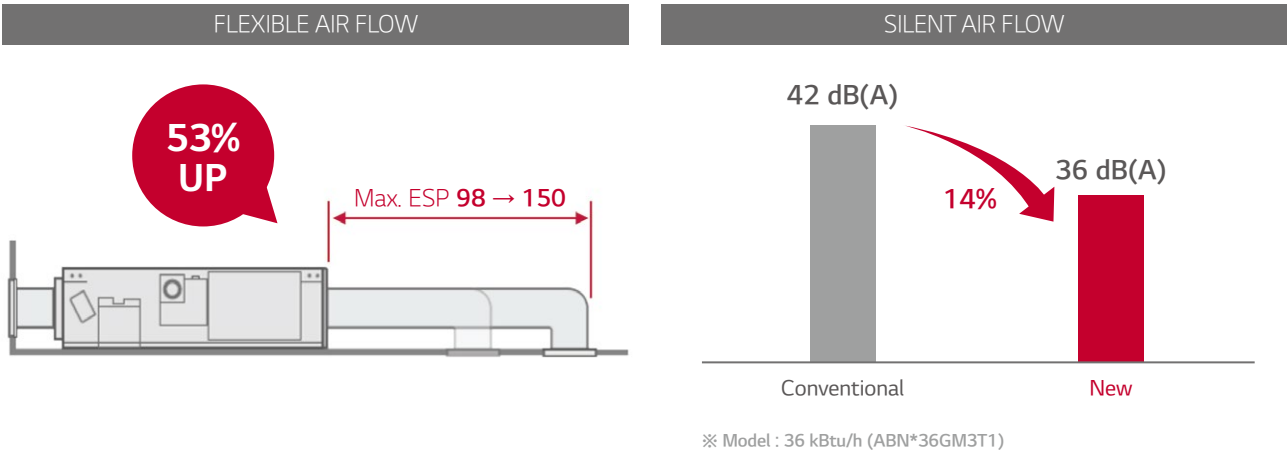
E.S.P. (EXTERNAL STATIC PRESSURE) CONTROL

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)

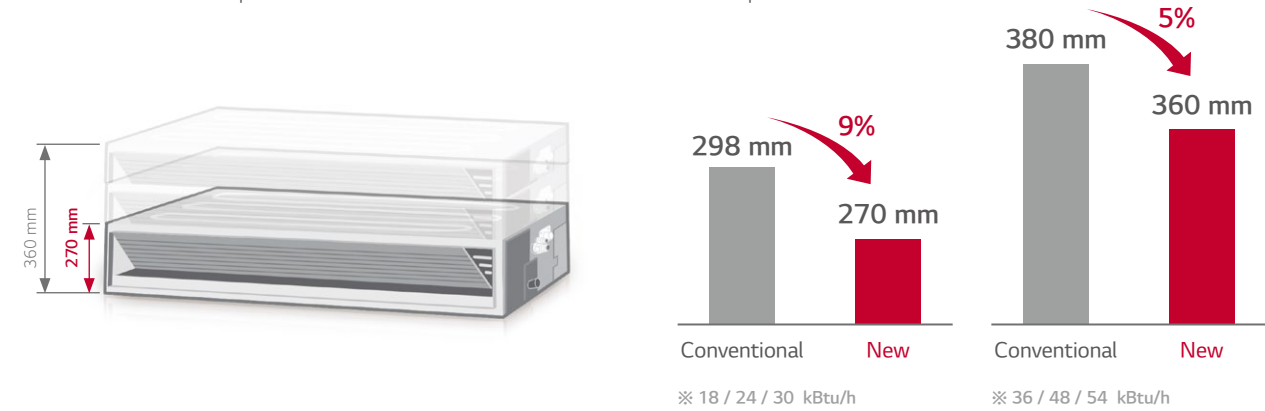
With new indoor tool, connectable duct length is more longer than current running unit because the maximum E.S.P. is improved. Noise level also decreased about 14%



CEILING CONCEALED DUCT

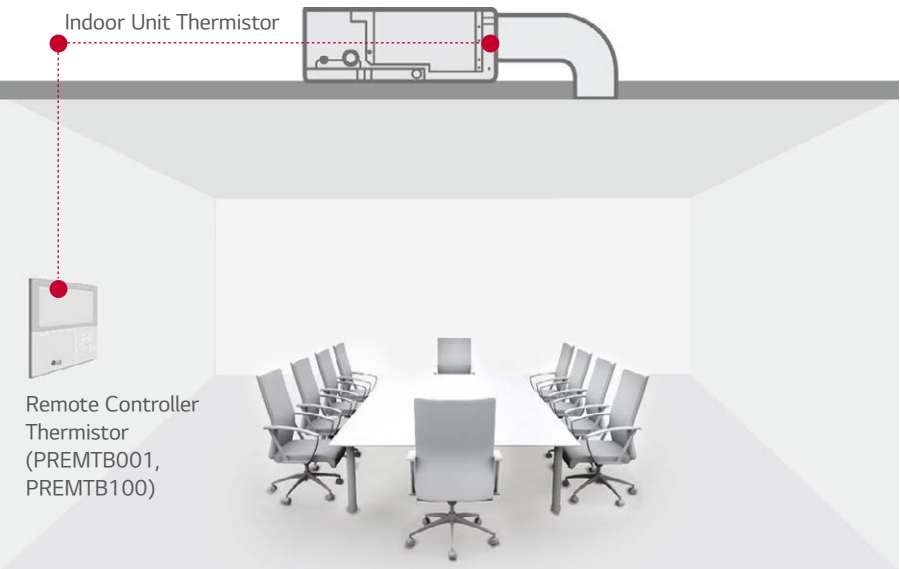
MINIMIZED HEIGHT

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.



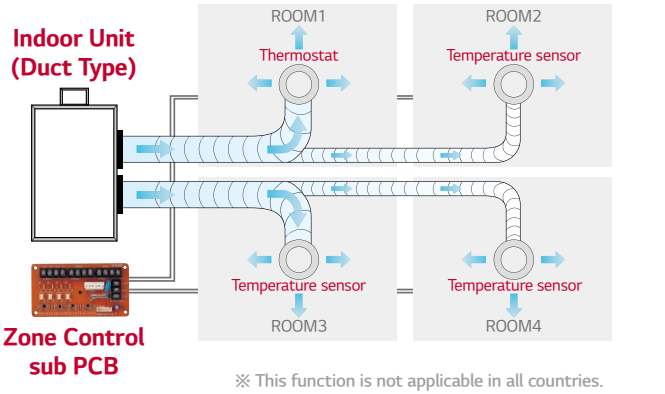
Compares temperatures sensed from different positions, and automatically selects the optimum temperature for users

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)

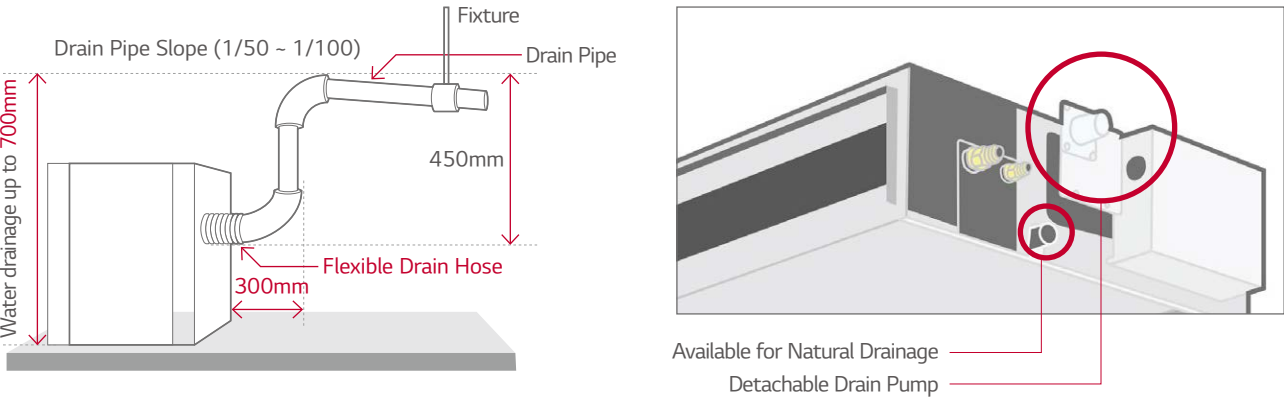
Zone control features

- 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



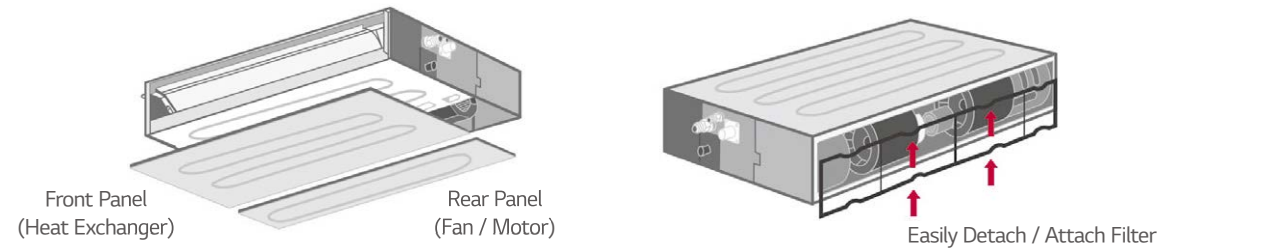
HIGH HEAD DRAIN PUMP

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.



SPECIFICATIONS

CEILING CONCEALED DUCT - HIGH EFFICIENCY



TROPICALHEAT

Combination		Outdoor unit		Unit	ABUW18GM1T1	ABUW24GM1T1
		Indoor unit			ABNW18GM1T1	ABNW24GM1T1
Cooling Capacity ¹⁾		Min. ~ Rated ~ Max.	kW	2.1-5.27-5.86	2.81-7.03-7.91	
			Btu/h	7,200-18,000-20,000	9,600-24,000-27,000	
Cooling Capacity ²⁾		Min. ~ Rated ~ Max.	kW	4.53	5.86	
			Btu/h	15,480	20,000	
Heating Capacity ¹⁾		Min. ~ Rated ~ Max.	kW	2.1-5.27-6.1	2.8-7.03-8.2	
			Btu/h	7,200-18,000-21,000	9,600-24,000-28,000	
Power Input	Cooling ¹⁾	Rated	kW	1.55	2.06	
	Cooling ²⁾	Rated	kW	1.72	2.32	
	Heating ¹⁾	Rated	kW	1.50	2.05	
EER / COP			W/W	3.4/3.51	3.41/3.43	
Outdoor			Unit	ABUW18GM1T1	ABUW24GM1T1	
Power Supply			V , Ø , Hz	220-240, 1, 50	220-240, 1, 50	
Power Supply Cable (included Earth)			No. × mm²	3C × 2.5	3C × 2.5	
Casing Color			-	Warm Gray	Warm Gray	
Dimensions	Net	W × H × D	mm	770 × 545 × 288	870 × 650 × 330	
Weight	Net		kg	35.2	45.5	
Compressor	Type		-	Twin Rotary	Twin Rotary	
Refrigerant	Type		-	R410A	R410A	
Fan	Air Flow Rate	Rated	m³/min × No.	28 × 1	50 × 1	
Fan Motor	Type		-	BLDC	BLDC	
Sound Pressure Level	Cooling	Rated	dB(A)	49	50	
	Heating	Rated	dB(A)	52	52	
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		Rated	m	5	5	
		Max.	m	30	50	
Maximum Height Difference (ODU ~ IDU)		Max.	m	15	30	
Indoor			Unit	ABNW18GM1T1	ABNW24GM1T1	
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	25.3	
Air Flow Rate		H / M / L	m³/min	16.5 / 14.5 / 13.0	18.0 / 16.5 / 14.5	
		Max	m³/min	23.8	23.8	
Fan Motor	Type		-	6	6	
External static pressure	High Mode_Factory Set		Pa (mmAq)	BLDC	BLDC	
Safety Device			-	Fuse	Fuse	
Sound Pressure Level		H / M / L	dB(A)	34 / 32 / 30	37 / 35 / 32	

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



TROPICALHEAT

ABUW30GM1T1	ABUW36GM3T1	ABUW48GM3T1	ABUW54GM3T1
ABNW30GM1T1	ABNW36GM3T1	ABNW48GM3T1	ABNW54GM3T1
3.36~8.2~9.96	4.7~9.99~11.13	5.39~13.48~15.53	6.33~15.82~16.7
11,480~28,000~34,000	16,030~34,100~38,000	18,400~46,000~53,000	21,600~54,000~57,000
7.05	8.49	11.59	12.66
24,080	28,980	39,560	43,200
3.28~8.2~9.09	3.75~9.38~10.26	5.62~14.06~15.8	6.56~16.41~17.6
11,200~28,000~31,000	12,800~32,000~35,000	19,200~48,000~54,000	22,400~56,000~60,000
2.41	2.93	3.96	5.39
2.74	3.24	4.27	5.07
2.55	2.46	4.00	4.61
3.4/3.22	3.41/3.81	3.4/3.52	2.94/3.56
ABUW30GM1T1	ABUW36GM3T1	ABUW48GM3T1	ABUW54GM3T1
220-240, 1, 50	220-240, 1, 50	220-240, 1, 50	220-240, 1, 50
3C × 2.5	3C × 2.5	3C × 6.0	3C × 6.0
Warm Gray	Warm Gray	Warm Gray	Warm Gray
950 × 834 × 330	950 × 834 × 330	950 × 1,380 × 330	950 × 1,380 × 330
60.8	60.8	90.2	90.2
Twin Rotary	Twin Rotary	LG Inverter Scroll	LG Inverter Scroll
R410A	R410A	R410A	R410A
60 × 1	60 × 1	60 × 2	60 × 2
BLDC	BLDC	BLDC	BLDC
51	51	55	55
53	53	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)
5	5	5	5
50	50	75	75
30	30	30	30
ABNW30GM1T1	ABNW36GM3T1	ABNW48GM3T1	ABNW54GM3T1
Ceiling Concealed Duct-Mid. Pressure			
220-240, 1, 50	220-240, 1, 50	220-240, 1, 50	220-240, 1, 50
900 × 270 × 700	1,250 × 360 × 700	1,250 × 360 × 700	1,250 × 360 × 700
25.3	37.5	43.5	43.5
22.0 / 20.0 / 18.0	30.0 / 25.0 / 20.0	40.0 / 34.0 / 28.0	50.0 / 45.0 / 40.0
25.9	41.0	58.8	58.8
6	6	6	6
BLDC	BLDC	BLDC	BLDC
Fuse	Fuse	Fuse	Fuse
37 / 35 / 34	36 / 33 / 31	38 / 36 / 34	46 / 44 / 42

SPECIFICATIONS

CEILING CONCEALED DUCT - HIGH EFFICIENCY



TROPICAL COOL

Combination		Outdoor unit		Unit	ABUQ18GM1T1	ABUQ24GM1T1
		Indoor unit			ABNQ18GM1T1	ABNQ24GM1T1
Cooling Capacity ¹⁾		Min. ~ Rated ~ Max.	kW	2.1-5.27-5.86	2.81-7.03-7.91	
			Btu/h	7,200-18,000-20,000	9,600-24,000-27,000	
Cooling Capacity ²⁾		Min. ~ Rated ~ Max.	kW	4.53	5.86	
			Btu/h	15,480	20,000	
Power Input	Cooling ¹⁾	Rated	kW	1.55	2.06	
	Cooling ²⁾	Rated	kW	1.72	2.32	
EER / COP			W/W	3.4	3.41	
Outdoor			Unit	ABUQ18GM1T1	ABUQ24GM1T1	
Power Supply			V , Ø , Hz	220-240, 1, 50	220-240, 1, 50	
Power Supply Cable (included Earth)			No. × mm²	3C × 2.5	3C × 2.5	
Casing Color			-	Warm Gray	Warm Gray	
Dimensions	Net	W × H × D	mm	770 × 545 × 288	870 × 650 × 330	
Weight	Net		kg	34.3	43.3	
Compressor	Type		-	Twin Rotary	Twin Rotary	
Refrigerant	Type		-	R410A	R410A	
Fan Motor	Type		-	BLDC	BLDC	
Sound Pressure Level	Cooling	Rated	dB(A)	49	50	
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		Rated	m	5	5	
		Max.	m	30	50	
Maximum Height Difference (ODU ~ IDU)		Max.	m	15	30	
Indoor			Unit	ABNQ18GM1T1	ABNQ24GM1T1	
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	25.3	
Air Flow Rate		H / M / L	m³/min	16.5 / 14.5 / 13.0	18.0 / 16.5 / 14.5	
		Max	m³/min	23.8	23.8	
External static pressure	High Mode_Factory Set		Pa (mmAq)	6	6	
Fan Motor	Type		-	BLDC	BLDC	
Safety Device			-	Fuse	Fuse	
Sound Pressure Level		H / M / L	dB(A)	34 / 32 / 30	37 / 35 / 32	

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



TROPICAL COOL

ABUQ30GM1T1	ABUQ36GM3T1	ABUQ48GM3T1	ABUQ54GM3T1
ABNQ30GM1T1	ABNQ36GM3T1	ABNQ48GM3T1	ABNQ54GM3T1
3.36~8.2~9.96	4.7~9.99~11.13	5.392~13.48~15.53	6.328~15.82~16.7
11,480~28,000~34,000	16,030~34,100~38,000	18,400~46,000~53,000	21,600~54,000~57,000
7.05	8.49	11.59	12.66
24,080	28,980	39,560	43,200
2.41	2.93	3.96	5.39
2.74	3.24	4.27	5.07
3.4	3.41	3.4	2.94
ABUQ30GM1T1	ABUQ36GM3T1	ABUQ48GM3T1	ABUQ54GM3T1
220-240, 1, 50	220-240, 1, 50	220-240, 1, 50	220-240, 1, 50
3C × 2.5	3C × 2.5	3C × 6.0	3C × 6.0
Warm Gray	Warm Gray	Warm Gray	Warm Gray
950 × 834 × 330	950 × 834 × 330	950 × 1,380 × 330	950 × 1,380 × 330
59.1	59.1	89.5	89.5
Twin Rotary	Twin Rotary	LG Inverter Scroll	LG Inverter Scroll
R410A	R410A	R410A	R410A
BLDC	BLDC	BLDC	BLDC
51	51	55	55
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)
5	5	5	5
50	50	75	75
30	30	30	30
ABNQ30GM1T1	ABNQ36GM3T1	ABNQ48GM3T1	ABNQ54GM3T1
Ceiling Concealed Duct-Mid. Pressure			
220-240, 1, 50	220-240, 1, 50	220-240, 1, 50	220-240, 1, 50
900 × 270 × 700	1,250 × 360 × 700	1,250 × 360 × 700	1,250 × 360 × 700
25.3	37.5	43.5	43.5
22.0 / 20.0 / 18.0	30.0 / 25.0 / 20.0	40.0 / 34.0 / 28.0	50.0 / 45.0 / 40.0
25.9	41.0	58.8	58.8
6	6	6	6
BLDC	BLDC	BLDC	BLDC
Fuse	Fuse	Fuse	Fuse
37 / 35 / 34	36 / 33 / 31	38 / 36 / 34	46 / 44 / 42

SPECIFICATIONS

CEILING CONCEALED DUCT - STANDARD



TROPICALHEAT

Combination			Outdoor unit		Unit	ABUW18GM1S1		ABUW24GM1S1	
			Indoor unit			ABNW18GM1S1		ABNW24GM1S1	
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	ABUW18GM1S1		ABUW24GM1S1	
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	ABNW18GM1S1		ABNW24GM1S1	
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
- 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



ABUW18GM1S1 ABUW24GM1S1 ABUW30GM1S1
ABUW36GM2S1 ABUW48GM3S1
ABUW54GM3S1

TROPICALHEAT

ABUW30GM1S1	ABUW36GM2S1	ABUW48GM3S1	ABUW54GM3S1
ABNW30GM1S1	ABNW36GM2S1	ABNW48GM3S1	ABNW54GM3S1
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
ABUW30GM1S1	ABUW36GM2S1	ABUW48GM3S1	ABUW54GM3S1
220-240 , 1 , 50	220-240 , 1 , 50	220-240 , 1 , 50	380-415 , 3 , 50
3C × 2.5 (12)	3C × 2.5 (12)	3C × 6.0 (10)	5C × 2.5 (12)
Warm Gray	Warm Gray	Warm Gray	Warm Gray
870 × 650 × 330	950 × 834 × 330	950 × 1,380 × 330	950 × 1,380 × 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)
ABNW30GM1S1	ABNW36GM2S1	ABNW48GM3S1	ABNW54GM3S1
Ceiling Concealed Duct-Mid. Pressure			
220-240 , 1 , 50	220-240 , 1 , 50	220-240 , 1 , 50	220-240 , 1 , 50
900 × 270 × 700	1,250 × 270 × 700	1,250 × 360 × 700	1,250 × 360 × 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

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

SPECIFICATIONS

CEILING CONCEALED DUCT - STANDARD



ABUW12GL5S1



ABUQ22GM1A4



ABUQ30GM1A4



AUUQ40GH4



AUUQ50GH4
AUUQ60GH4

HEAT

Combination		Outdoor unit		Unit	ABUW12GL5S1
		Indoor unit			ABNW12GL5S1
Capacity	Cooling ¹⁾	Min. ~ Rated ~ Max.	kW	1.35 ~ 3.50 ~ 3.65	
		Min. ~ Rated ~ Max.	Btu/h	4,607 ~ 11,944 ~ 12,456	
	Heating	Min. ~ Rated ~ Max.	kW	1.39 ~ 4.00 ~ 4.47	
		Min. ~ Rated ~ Max.	Btu/h	4,743 ~ 13,650 ~ 15,254	
Power Input	Cooling ¹⁾	Rated	kW	1.17	
	Heating ¹⁾	Rated	kW	1.20	
EER / COP	Cooling ¹⁾ / Heating		W/W	3.00 / 3.33	
Outdoor				Unit	ABUW12GL5S1
Power Supply				V , Ø , Hz	220-240 / 1 / 50
Power Supply Cable (included Earth)				No. x mm ²	3C x 2.5 (12)
Casing Color				-	Warm Gray
Dimensions	Net	W x H x D	mm	717 x 230 x 483	
Net Weight			kg	26	
Compressor	Type		-	Twin Rotary	
Refrigerant	Type		-	R410A	
Fan	Air Flow Rate	Rated	m ³ /min x No.	27 x 1	
Fan Motor	Type		-	AC	
Sound Pressure Level	Cooling	Rated	dB(A)	52	
	Heating	Rated	dB(A)	52	
Piping Connections	Liquid	Outer Dia.	mm (inch)	Ø 6.35 (1/4)	
	Gas	Outer Dia.	mm (inch)	Ø 9.52 (3/8)	
Piping Length	Max.		m	15	
Maximum Height Difference (ODU ~ IDU)		Max.	m	7.5	
Indoor				Unit	ABNW12GL5S1
Power Supply				V , Ø , Hz	220-240, 1, 50
Dimensions	Net	W x H x D	mm	900 x 190 x 460	
Net Weight			kg	18	
Fan	Air Flow Rate	H / M / L	m ³ /min	11.5 / 9.5 / 8	
Fan Motor	Type		-	DC	
External static pressure		High Mode_Factory Set		10	
Sound Pressure Level	Cooling	Rated	dB(A)	36 / 33 / 31	
	Heating	Rated	dB(A)	36 / 33 / 31	

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

COOL

Combination			Outdoor unit		Unit	ABUQ22GM1A4	ABUQ30GM1A4	AUUQ40GH4	AUUQ50GH4	AUUQ60GH4
			Indoor unit			ABNQ22GM1A4	ABNQ30GM1A4	ABNQ40GM3A4	ABNQ50GM3A4	ABNQ60GM3A4
Capacity	Cooling ¹⁾	Min. ~ Rated ~ Max.	kW	1.58 ~ 5.00 ~ 6.45	2.11 ~ 7.18 ~ 8.79	3.15 ~ 9.99 ~ 11.55	4.05 ~ 12.9 ~ 14.5	4.05 ~ 17.61 ~ 17.88		
		Min. ~ Rated ~ Max.	Btu/h	5400 ~ 17,060 ~ 22,000	7,200 ~ 24,500 ~ 30,000	10,800 ~ 34,100 ~ 39,400	13,800 ~ 44,000 ~ 49,500	13,800 ~ 60,100 ~ 61,000		
Power Input	Cooling ¹⁾	Rated	kW	1.59	2.05	3.05	4.53	5.85		
Running Current	Cooling ¹⁾	Rated	A	7.00	9.00	13.40	19.90	25.70		
EER / COP			Btu / hW / W / W	10.73 / 3.14	11.95 / 3.50	11.18 / 3.28	9.71 / 2.85	10.27 / 3.01		
SEER / SCOP			Wh / Wh	19.00 / -	19.00 / -	19.00 / -	18.00 / -	17.00 / -		
Outdoor				Unit	ABUQ22GM1A4	ABUQ30GM1A4	AUUQ40GH4	AUUQ50GH4	AUUQ60GH4	
Power Supply				V, Ø, Hz	220-240 / 1 / 50	220-240 / 1 / 50	220-240 / 1 / 50	220-240 / 1 / 50	220-240 / 1 / 50	
Power Supply Cable (included Earth)				No. x mm²	3C x 2.5 (12)	3C x 2.5 (12)	3C x 2.5 (12)	3C x 2.5 (12)	3C x 2.5 (12)	
Casing Color				-	Warm Gray	Warm Gray	Warm Gray	Warm Gray	Warm Gray	
Dimensions	Net	W x H x D	mm	770 x 545 x 288	870 x 650 x 330	950 x 834 x 330	950 x 834 x 330	950 x 1,380 x 330		
Net Weight				kg	33	41.5	56	67	96	
Compressor	Type		-	Twin Rotary	Twin Rotary	LG Inverter Scroll	LG Inverter Scroll	LG Inverter Scroll		
Refrigerant	Type		-	R410A	R410A	R410A	R410A	R410A		
Fan	Air Flow Rate	Rated	m³/min x No.	50 x 1	50 x 1	70 x 1	70 x 1	70 x 2		
Fan Motor	Type		-	BLDC	BLDC	BLDC	BLDC	BLDC		
Sound Pressure Level	Cooling	Rated	dB(A)	47	53	55	57	59		
Sound Powel Level	Cooling	Rated	dB(A)	-	-	-	-	-		
Piping Connections	Liquid	Outer Dia.	mm (inch)	Ø 6.35 (1/4)	Ø 9.52 (3/8)	Ø 9.52 (3/8)	Ø 9.52 (3/8)	Ø 9.52 (3/8)		
	Gas	Outer Dia.	mm (inch)	Ø 12.7 (1/2)	Ø 15.88 (5/8)	Ø 15.88 (5/8)	Ø 15.88 (5/8)	Ø 19.05 (5/8)		
Piping Length	Max.		m	5/30	5/50	5/50	5/50	5/50		
Maximum Height Difference (ODU ~ IDU)			Max.	m	20	30	30	30	30	
Indoor				Unit	ABNQ22GM1A4	ABNQ30GM1A4	ABNQ40GM3A4	ABNQ50GM3A4	ABNQ60GM3A4	
Power Supply				V, Ø, Hz	220-240, 1, 50/60	220-240, 1, 50/60	220-240, 1, 50/60	220-240, 1, 50/60	220-240, 1, 50/60	
Dimensions	Net	W x H x D	mm	900 x 270 x 700	900 x 270 x 700	1,250 x 360 x 700	1,250 x 360 x 700	1,250 x 360 x 700		
Net Weight				kg	23.8	25.3	37.5	43.5	43.5	
Fan	Air Flow Rate	H / M / L	m³/min	16.5 / 14.5 / 13.0	18.0 / 16.5 / 14.0	30.0 / 25.0 / 20.0	40.0 / 34.0 / 28.0	50.0 / 45.0 / 40.0		
Fan Motor	Type		-	BLDC	BLDC	BLDC	BLDC	BLDC		
External static pressure	Factory Set (Default)		mmAq	6	6	6	6	6		
Sound Pressure Level	Cooling(H/M/L)	Rated	dB(A)	34 / 32 / 30	37 / 35 / 32	36 / 33 / 31	38 / 36 / 34	46 / 44 / 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



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

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.

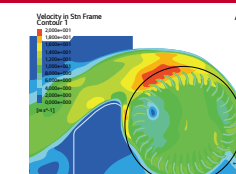
CONVENTIONAL



NEW LG



115% ENLARGED



105% ENLARGED

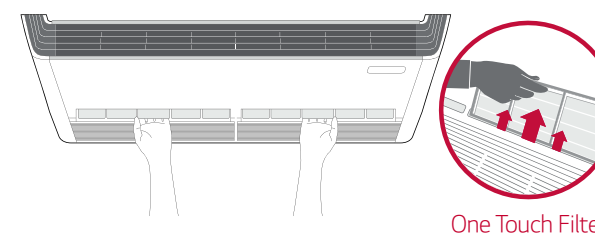
15m LONG AIR FLOW

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

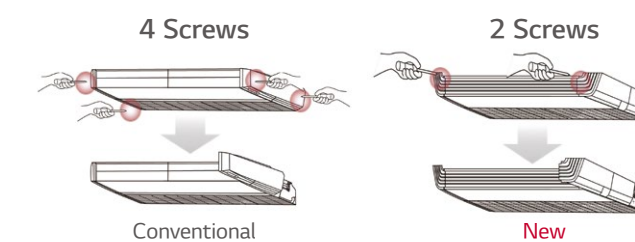
An easy In / Out filter structure as well as a simplified two-piece filter, which slides out for easy cleaning and maintenance.



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

SPECIFICATIONS

CEILING SUSPENDED UNIT - HIGH EFFICIENCY



TROPICAL HEAT

Combination		Outdoor unit		Unit	AVUW18GM1T1	AVUW24GM1T1
		Indoor unit			AVNW18GM1T1	AVNW24GM1T1
Cooling Capacity ¹⁾		Min. ~ Rated ~ Max.	kW	2.1-5.27-5.86	2.81-7.03-7.91	
			Btu/h	7,200-18,000-20,000	9,600-24,000-27,000	
Cooling Capacity ²⁾		Min. ~ Rated ~ Max.	kW	4.37	6.04	
			Btu/h	14,900	20,610	
Heating Capacity ¹⁾		Min. ~ Rated ~ Max.	kW	2.22-5.56-6.10	2.8-7.03-8.20	
			Btu/h	7,600-19,000-21,000	9,600-24,000-28,000	
Power Input	Cooling ¹⁾	Rated	kW	1.55	2.06	
	Cooling ²⁾	Rated	kW	1.73	2.38	
	Heating ¹⁾	Rated	kW	1.62	2.05	
EER / COP			W/W	3.40/3.43	3.41/3.43	
Outdoor			Unit	AVUW18GM1T1	AVUW24GM1T1	
Power Supply			V , Ø , Hz	220-240, 1, 50	220-240, 1, 50	
Power Supply Cable (included Earth)			No. × mm ²	3C × 2.5	3C × 2.5	
Dimensions	Net	W × H × D	mm	770 × 545 × 288	870 × 650 × 330	
Weight	Net		kg	35.2	45.5	
Compressor	Type		-	Twin Rotary	Twin Rotary	
Refrigerant	Type		-	R410A	R410A	
Fan Motor	Type		-	BLDC	BLDC	
Sound Pressure Level	Cooling	Rated	dB(A)	49	50	
	Heating	Rated	dB(A)	52	52	
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		Rated	m	5	5	
		Min/Max	m	5/30	5/50	
Maximum Height Difference (ODU - IDU)		Max.	m	15	30	
Indoor			Unit	ABNW18GM1T1	ABNW24GM1T1	
Power Supply			V , Ø , Hz	220-240, 1, 50	220-240, 1, 50	
Dimensions	Net	W × H × D	mm	1,200 × 235 × 690	1,200 × 235 × 690	
Weight	Net		kg	27.3	28.0	
Air Flow Rate		H / M / L	m ³ /min	13.0 / 12.0 / 11.0	16.5 / 15.0 / 14.0	
Fan Motor	Type		-	BLDC	BLDC	
Sound Pressure Level		H / M / L	dB(A)	40 / 38 / 37	44 / 43 / 41	

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

TROPICAL HEAT

AVUW30GM1T1	AVUW36GM2T1	AVUW48GM2T1	AVUW54GM2T1
AVNW30GM1T1	AVNW36GM2T1	AVNW48GM2T1	AVNW54GM2T1
3.36~8.2~10.26	4.46~9.49~11.13	5.39~13.48~15.53	6.33~15.82~16.70
11,480~28,000~35,000	15,230~32,400~38,000	18,400~46,000~53,000	21,600~54,000~57, 000
7.05	8	11	13
24,080	27,860	35,880	43,200
3.28~8.2~9.09	3.8~9.49~10.84	5.62~14.06~15.80	6.56~16.41~17.60
11,200~28,000~31,000	12,960~32,400~37,000	19,200~48,000~54,000	22,400~56,000~60,000
2.41	2.80	4.00	5.40
2.85	3.23	4.10	5.00
2.33	2.70	4.00	5.10
3.40/3.52	3.40/3.51	3.40/3.52	2.94/3.22
AVUW30GM1T1	AVUW36GM2T1	AVUW48GM2T1	AVUW54GM2T1
220~240, 1, 50	220~240, 1, 50	220~240, 1, 50	220~240, 1, 50
3C × 2.5	3C × 2.5	3C × 6.0	3C × 6.0
950 × 834 × 330	950 × 834 × 330	950 × 1,380 × 330	950 × 1,380 × 330
60.8	60.8	90.2	90.2
Twin Rotary	Twin Rotary	LG Inverter Scroll	LG Inverter Scroll
R410A	R410A	R410A	R410A
BLDC	BLDC	BLDC	BLDC
51	51	55	55
53	53	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)
5	5	5	5
5/50	5/50	5/75	5/75
30	30	30	30
AVNW30GM1T1	AVNW36GM2T1	AVNW48GM2T1	AVNW54GM2T1
220~240, 1, 50	220~240, 1, 50	220~240, 1, 50	220~240, 1, 50
1,200 × 235 × 690	1,600 × 235 × 690	1,600 × 235 × 690	1,600 × 235 × 690
28.0	36.5	36.5	36.5
20.0 / 18.0 / 16.0	28.0 / 24.0 / 20.0	30.0 / 25.0 / 20.0	30.0 / 25.0 / 20.0
BLDC	BLDC	BLDC	BLDC
47 / 45 / 42	44 / 41 / 38	46 / 42 / 38	46 / 42 / 38

SPECIFICATIONS

CEILING SUSPENDED UNIT - HIGH EFFICIENCY



TROPICAL COOL

Combination		Outdoor unit		Unit	AVUQ18GM1T1	AVUQ24GM1T1
		Indoor unit			AVNQ18GM1T1	AVNQ24GM1T1
Cooling Capacity ¹⁾		Min. ~ Rated ~ Max.	kW	2.1-5.27-5.86	2.81-7.03-7.91	
			Btu/h	7,200-18,000-20,000	9,600-24,000-27,000	
Cooling Capacity ²⁾		Min. ~ Rated ~ Max.	kW	4.37	6.04	
			Btu/h	14,900	20,610	
Power Input	Cooling ¹⁾	Rated	kW	1.55	2.06	
	Cooling ²⁾	Rated	kW	1.73	2.38	
EER / COP			W/W	3.40	3.41	
Outdoor			Unit	AVUQ18GM1T1	AVUQ24GM1T1	
Power Supply			V , Ø , Hz	220-240, 1, 50	220-240, 1, 50	
Power Supply Cable (included Earth)			No. × mm ²	3C × 2.5	3C × 2.5	
Dimensions	Net	W × H × D	mm	770 × 545 × 288	870 × 650 × 330	
Weight	Net		kg	34.3	43.3	
Compressor	Type		-	Twin Rotary	Twin Rotary	
Refrigerant	Type		-	R410A	R410A	
Fan	Air Flow Rate	Rated	m³/min × No.	28 × 1	50 × 1	
		Rated	ft³/min × No.	989 × 1	1,766 × 1	
Fan Motor	Type		-	BLDC	BLDC	
Sound Pressure Level	Cooling	Rated	dB(A)	49	50	
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		Rated	m	5	5	
		Min./Max.	m	5/30	5/50	
Maximum Height Difference (ODU ~ IDU)		Max.	m	15	30	
Indoor			Unit	AVNQ18GM1T1	AVNQ24GM1T1	
Power Supply			V , Ø , Hz	220-240, 1, 50	220-240, 1, 50	
Dimensions	Net	W × H × D	mm	1,200 × 235 × 690	1,200 × 235 × 690	
Weight	Net		kg	27.3	28.0	
Air Flow Rate		H / M / L	m³/min	13.0 / 12.0 / 11.0	16.5 / 15.0 / 14.0	
Fan Motor	Type		-	BLDC	BLDC	
Sound Pressure Level		H / M / L	dB(A)	40 / 38 / 37	44 / 43 / 41	

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



TROPICAL COOL

AVUQ30GM1T1	AVUQ36GM2T1	AVUQ48GM2T1	AVUQ54GM2T1
AVNQ30GM1T1	AVNQ36GM2T1	AVNQ48GM2T1	AVNQ54GM2T1
3.36~8.2~10.26	4.46~9.49~11.13	5.39~13.48~15.53	6.33~15.82~16.7
11,480~28,000~35,000	15,230~32,400~38,000	18,400~46,000~53,000	21,600~54,000~57,000
7.05	8.16	10.51	12.66
24,080	27,860	35,880	43,200
2.41	2.79	3.96	5.39
2.85	3.23	4.10	5.00
3.40	3.40	3.40	2.94
AVUQ30GM1T1	AVUQ36GM2T1	AVUQ48GM2T1	AVUQ54GM2T1
220-240, 1, 50	220-240, 1, 50	220-240, 1, 50	220-240, 1, 50
3C × 2.5	3C × 2.5	3C × 6.0	3C × 6.0
950 × 834 × 330	950 × 834 × 330	950 × 1,380 × 330	950 × 1,380 × 330
59.1	59.1	89.5	89.5
Twin Rotary	Twin Rotary	LG Inverter Scroll	LG Inverter Scroll
R410A	R410A	R410A	R410A
60 × 1	60 × 1	60 × 2	60 × 2
2,119 × 1	2,119 × 1	2,119 × 2	2,119 × 2
BLDC	BLDC	BLDC	BLDC
51	51	55	55
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)
5	5	5	5
5/50	5/50	5/75	5/75
30	30	30	30
AVNQ30GM1T1	AVNQ36GM2T1	AVNQ48GM2T1	AVNQ54GM2T1
220-240, 1, 50	220-240, 1, 50	220-240, 1, 50	220-240, 1, 50
1,200 × 235 × 690	1,600 × 235 × 690	1,600 × 235 × 690	1,600 × 235 × 690
28.0	36.5	36.5	36.5
20.0 / 18.0 / 16.0	28.0 / 24.0 / 20.0	30.0 / 25.0 / 20.0	30.0 / 25.0 / 20.0
BLDC	BLDC	BLDC	BLDC
47 / 45 / 42	44 / 41 / 38	46 / 42 / 38	46 / 42 / 38

CEILING SUSPENDED

SPECIFICATIONS

CEILING SUSPENDED UNIT - STANDARD



AUUW36GS1



AUUW48LS1
AUUW54LS1

HEAT

Combination	Outdoor unit		Unit	AUUW36GS1
	Indoor unit			AVNW36GM1S1
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	AUUW36GS1
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	AVNW36GM1S1
Power Supply			V , Ø , Hz	220-240, 1, 50/60
Dimensions	Body	W × H × D	mm	1,200 x 235 x 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

HEAT

AUUW48LS1	AUUW54LS1
AVNW48LM2S1	AVNW60LM2S1
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
AUUW48LS1	AUUW54LS1
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)
AVNW48LM2S1	AVNW60LM2S1
220-240, 1, 50/60	220-240, 1, 50/60
1,600 × 235 × 690	1,600 × 235 × 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

FLOOR STANDING UNIT



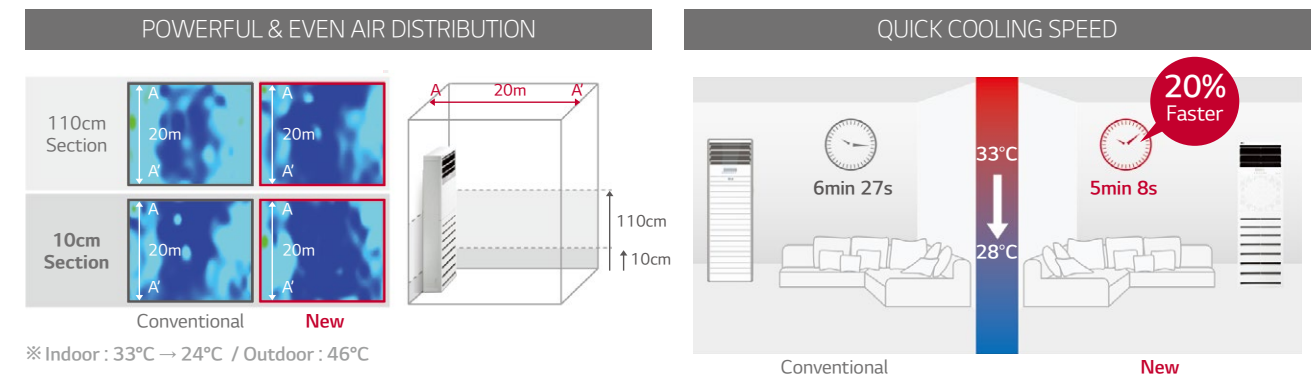
POWERFUL AIRFLOW

The new LG floor standing air conditioner is efficient for using in large areas due to its powerful cooling and heating operation. The powerful air speed and volume means the air flow can reach up to 20m away from the air conditioner.



EXCELLENT COOLING PERFORMANCE

Power cooling function provides the optimal airflow angle, and it guarantees a faster and higher cooling performance.



STYLISH DESIGN

The new LG floor standing air conditioner is ideal for modern interiors in your office or restaurant.



SPECIFICATIONS

FLOOR STANDING UNIT - HIGH EFFICIENCY



TROPICALHEAT

Combination		Outdoor unit		Unit	APUW36GT3S1	APUW50GT3E0	APUW50LT3E0	APNW100LFT0
		Indoor unit			APNW36GT3S1	APNW50GT3E0	APNW50LT3E0	APUW100LFT0
Capacity	Cooling ¹⁾	Min. ~ Rated ~ Max.	kW	3.8 ~ 10.0 ~ 10.6	5.6 ~ 13.51 ~ 15.5	5.6 ~ 13.51 ~ 15.5	28.43	
		Min. ~ Rated ~ Max.	Btu/h	13,000 ~ 34,100 ~ 36,200	19,100 ~ 46,100 ~ 52,900	19,100 ~ 46,100 ~ 52,900	97,000	
	Cooling ²⁾	Rated	kW	8.10	11.72	11.72	22.57	
		Rated	Btu/h	27,600	40,000	40,000	77,000	
	Heating	Min. ~ Rated ~ Max.	kW	4.1 ~ 10.8 ~ 11.5	6.2 ~ 14.65 ~ 16.7	6.2 ~ 14.65 ~ 16.7	28.72	
		Min. ~ Rated ~ Max.	Btu/h	14,000 ~ 36,800 ~ 39,200	21,200 ~ 50,000 ~ 57,000	21,200 ~ 50,000 ~ 57,000	98,000	
Power Input	Cooling ¹⁾	Rated	kW	3.32	3.88	3.88	11.2	
	Cooling ²⁾	Rated	kW	3.27	4.65	4.65	10.8	
	Heating ¹⁾	Rated	kW	3.17	4.15	4.15	10.5	
EER / COP	Cooling ¹⁾ / Heating		W/W	3.01/3.41	3.48/3.53	3.48/3.53	2.54/2.74	
Outdoor			Unit	APUW36GT3S1	APUW50GT3E0	APUW50LT3E0	APUW100LFT0	
Power Supply			V, Ø, Hz	220-240, 1, 50	220-240, 1, 50	380-415, 3, 50	380-415, 3, 50	
Power Supply Cable (included Earth)			No. x mm²	3C x 2.5 (12)	3C x 6.0	5C x 2.5	5C x 6.0	
Casing Color			-	Warm Gray	Warm Gray	Warm Gray	-	
Dimensions	Net	W x H x D	mm	950 x 834 x 330	950 x 1,380 x 330	950 x 1,380 x 330	1,090 x 1,625 x 380	
Net Weight		Body	kg (lbs)	58.0 (127.9)	93.5 (206.1)	93.5 (206.1)	153 (337.3)	
Compressor	Type		-	Twin Rotary	Twin Rotary	Twin Rotary	BLDC INV Scroll	
Refrigerant	Type		-	R410A	R410A	R410A	R410A	
Fan Motor	Type		-	BLDC	BLDC	BLDC	BLDC	
Sound Pressure Level	Cooling	Rated	dB(A)	56	62	62	60	
Piping Connections	Liquid	Outer Dia.	mm (inch)	Ø 9.52 (3/8)	Ø9.52 (3/8)	Ø9.52 (3/8)	Ø9.52 (3/8)	
	Gas	Outer Dia.	mm (inch)	Ø 15.88 (5/8)	Ø19.05 (3/4)	Ø19.05 (3/4)	Ø 22.2 (7/8)	
Piping Length		Min/Max.	m	40 (131.2)	5 (16.4) / 30 (98.4)	5 (16.4) / 30 (98.4)	5(16.4) / 50(164.04)	
Maximum Height Difference (ODU ~ IDU)		Max.	m	30 (98.4)	20 (65.6)	20 (65.6)	30 (98.43)	
Indoor			Unit	APNW36GT3S1	APNW50GT3E0	APNW50LT3E0	APNW100LFT0	
Power Supply			V, Ø, Hz	220-240, 1, 50	220-240, 1, 50	220-240, 1, 50	380-415, 3, 50	
Dimensions	Body	W x H x D	mm	590 x 1,840 x 440	590 x 1,840 x 440	590 x 1,840 x 440	1,050 x 1,880 x 495	
		W x H x D	inch	23-7/32 x 72-7/16 x 17-5/16	23-7/32 x 72-7/16 x 17-5/16	23-7/32 x 72-7/16 x 17-5/16	41-1/4 x 74-7/16 x 19-1/8	
Net Weight		Body	kg (lbs)	47 (103.6)	47 (103.6)	47 (103.6)	113 (249)	
Fan	Air Flow Rate	SH / H / M / L	m³/min	37 / 33 / 30 / 26	38 / 33 / 28 / 24	38 / 33 / 28 / 24	68 / 61 / - / 50	
Fan Motor	Type		-	External BLDC	External BLDC	BLDC	BLDC	
Sound Pressure Level	Cooling	SH / H / M / L	dB(A)	55 / 52 / 49 / 47	55 / 52 / 49 / 47	55 / 52 / 49 / 47	60 / 57 / - / 53	

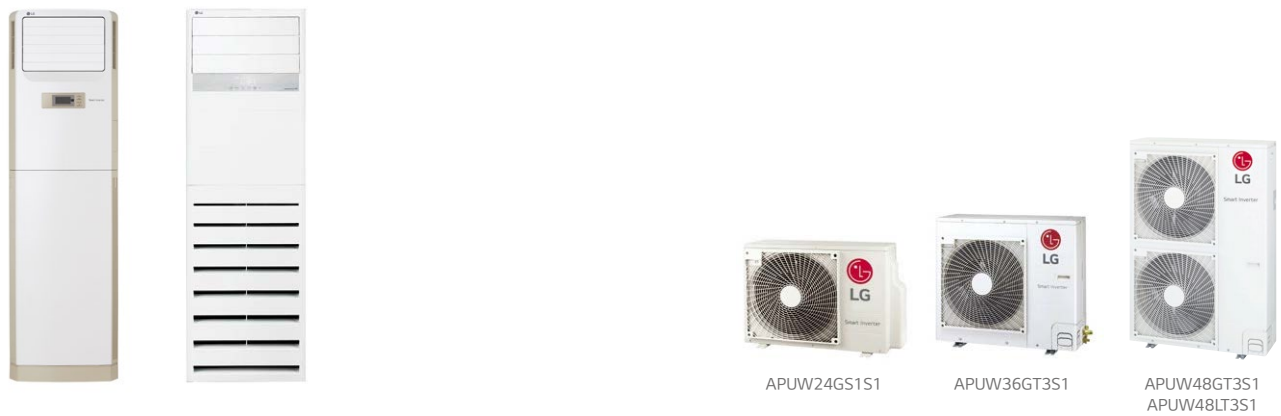
TROPICALCOOL

APUQ50LT3E0		APUQ100LFT0	
APNQ50LT3E0		APNQ100LFT0	
13.51		28.43	
46,100		97,000	
11.72		22.57	
40,000		77,000	
-		-	
-		-	
3.88		11.20	
4.65		10.80	
-		-	
3.48/-		2.54/-	
APUQ50LT3E0		APUQ100LFT0	
380-415, 3, 50		380-415, 3, 50	
5C X 2.5		5C X 6.0	
Warm Gray		Warm Gray	
950 x 1,380 x 330		1,090 x 1,625 x 380	
89.0 (196.2)		153 (337.3)	
Twin Rotary		BLDC INV Scroll	
R410A		R410A	
BLDC		BLDC	
62		60	
Ø9.52 (3/8)		Ø9.52 (3/8)	
Ø19.05 (3/4)		Ø 22.2 (7/8)	
5 (16.4) / 30 (98.4)		5 (16.4) / 50 (164.04)	
20 (65.6)		30 (98.43)	
APNQ50LT3E0		APNQ100LFT0	
220-240, 1, 50		380-415, 3, 50	
590 x 1,840 x 440		1,050 x 1,880 x 495	
23-7/32 x 72-7/16 x 17-5/16		41-1/4 x 74-7/16 x 19-1/8	
47 (103.6)		113 (249)	
37 / 33 / 28 / 24		68 / 61 / - / 50	
External BLDC		BLDC	
54 / 51 / 49 / 47		60 / 57 / - / 53	

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
- 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

SPECIFICATIONS

FLOOR STANDING UNIT - STANDARD



TROPICAL HEAT

Combination		Outdoor unit		Unit	APUW24GS1S1	APUW36GT3S1	APUW48GT3S1	APUW48LT3S1
		Indoor unit			APNW24GS1S1	APNW36GT3S1	APNW48GT3S1	APNW48LT3S1
Capacity	Cooling ¹⁾	Min. ~ Rated ~ Max.	kW	2.8 ~ 7.0 ~ 7.7	3.8 ~ 10.0 ~ 10.6	5.6 ~ 14.1 ~ 15.5	5.6 ~ 14.1 ~ 15.5	
		Min. ~ Rated ~ Max.	Btu/h	9600 ~ 23900 ~ 26300	13000 ~ 34100 ~ 36200	19100 ~ 48100 ~ 52900	19100 ~ 48100 ~ 52900	
	Cooling ²⁾	Rated	kW	5.80	8.10	12.20	12.20	
		Rated	Btu/h	19,800	27,600	41,600	41,600	
	Heating	Min. ~ Rated ~ Max.	kW	3.0 ~ 7.6 ~ 8.5	4.1 ~ 10.8 ~ 11.5	6.2 ~ 15.5 ~ 16.5	6.2 ~ 15.5 ~ 16.5	
		Min. ~ Rated ~ Max.	Btu/h	10,200 ~ 25,900 ~ 29,000	14,000 ~ 36,800 ~ 39,200	21,200 ~ 52,900 ~ 56,300	21,200 ~ 52,900 ~ 56,300	
Power Input	Cooling ¹⁾	Rated	kW	2.33	3.32	4.65	4.65	
	Cooling ²⁾	Rated	kW	2.75	3.27	5.10	5.10	
	Heating ¹⁾	Rated	kW	2.53	3.17	4.55	4.55	
EER / COP	Cooling ¹⁾ / Heating		W/W	3.01/3.01	3.01/3.41	3.03/3.41	3.03/3.41	
Outdoor			Unit	APUW24GS1S1	APUW36GT3S1	APUW48GT3S1	APUW48LT3S1	
Power Supply			V, Ø, Hz	220-240, 1, 50	220-240, 1, 50	220-240, 1, 50	220-240, 1, 50	
Power Supply Cable (included Earth)			No. × mm ²	3C × 2.5 (12)	3C × 2.5 (12)	3C × 6.0 (10)	5C × 2.5(12)	
Casing Color			-	Warm Gray	Warm Gray	Warm Gray	Warm Gray	
Dimensions	Net	W × H × D	mm	870 × 650 × 330	950 × 834 × 330	950 × 1,380 × 330	950 × 1,380 × 330	
Net Weight		Body	kg	44.8 (98.8)	58.0 (127.9)	90.0 (198.4)	90.0 (198.4)	
Compressor	Type		-	Twin Rotary	Twin Rotary	Twin Rotary	Twin Rotary	
Refrigerant	Type		-	R410A	R410A	R410A	R410A	
Fan Motor	Type		-	BLDC	BLDC	BLDC	BLDC	
Sound Pressure Level	Cooling	Rated	dB(A)	55	56	55	55	
Piping Connections	Liquid	Outer Dia.	mm (inch)	Ø 9.52 (3/8)	Ø 9.52 (3/8)	Ø 9.52 (3/8)	Ø 9.52 (3/8)	
	Gas	Outer Dia.	mm (inch)	Ø 15.88 (5/8)	Ø 15.88 (5/8)	Ø 19.05 (3/4)	Ø 19.05 (3/4)	
Piping Length		Max.	m	30 (98.4)	40 (131.2)	50 (164.0)	50 (164.0)	
Maximum Height Difference (ODU ~ IDU)		Max.	m	30 (98.4)	30 (98.4)	30 (98.4)	30 (98.4)	
Indoor			Unit	APNW24GS1S1	APNW36GT3S1	APNW48GT3S1	APNW48LT3S1	
Power Supply			V, Ø, Hz	220-240, 1, 50 220, 1, 60	220-240, 1, 50 220, 1, 60	220-240, 1, 50 220, 1, 60	220-240, 1, 50 220, 1, 60	
Dimensions	Body	W × H × D	mm	530 × 1,800 × 295	590 × 1,840 × 440	590 × 1,840 × 440	590 × 1,840 × 440	
		W × H × D	inch	20-7/8 × 70-7/8 × 11-5/8	23-7/32 × 72-7/16 × 18-1/8	23-7/32 × 72-7/16 × 18-1/8	23-7/32 × 72-7/16 × 18-1/8	
Net Weight			kg (lbs)	26 (57.3)	47 (103.6)	47 (103.6)	47 (103.6)	
Fan	Air Flow Rate	SH / H / M / L	m ³ /min	17.5 / 16.5 / - / 15.0	37.0 / 33.0 / 30.0 / 26.0	38.0 / 33.0 / 28.0 / 24.0	38.0 / 33.0 / 28.0 / 24.0	
Fan Motor	Type		-	BLDC	BLDC	BLDC	BLDC	
Sound Pressure Level	Cooling	SH / H / M / L	dB(A)	47 / 45 / - / 43	55 / 52 / 49 / 47	55 / 52 / 49 / 47	55 / 52 / 49 / 47	

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



COOL

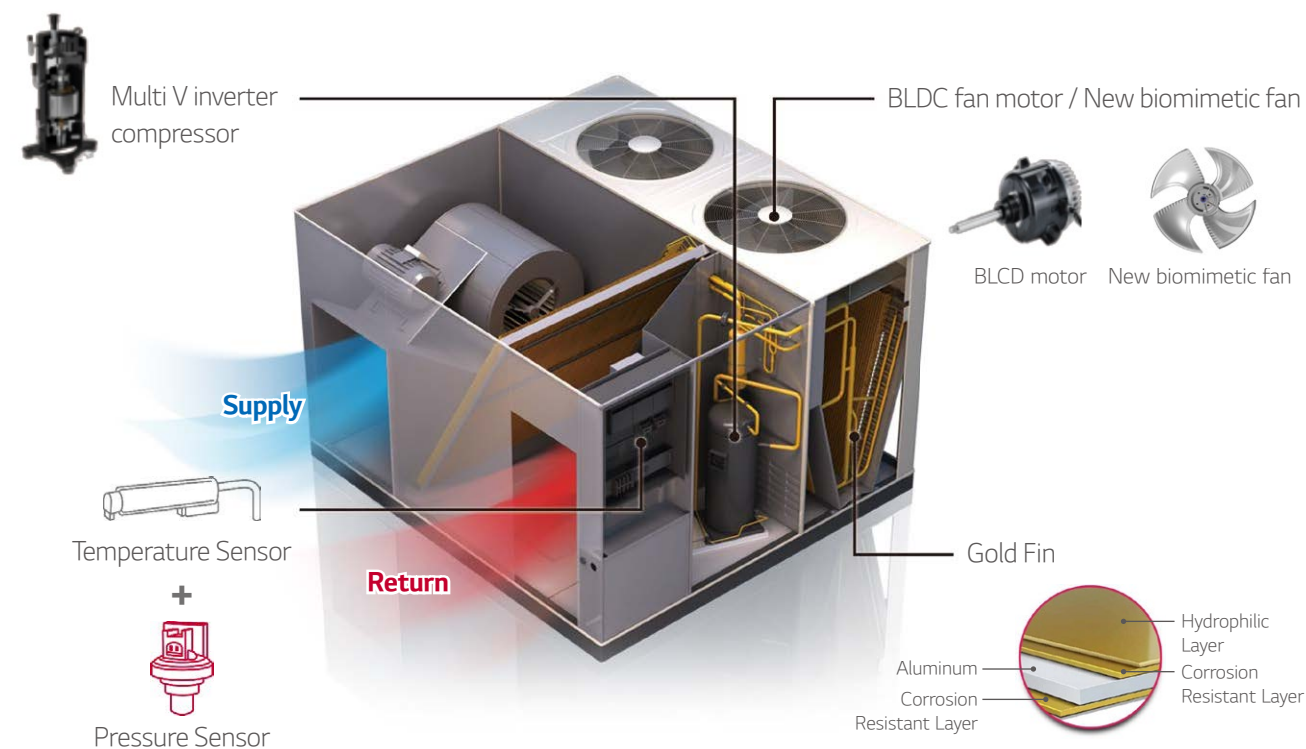
APUQ18GS1K1		APUQ30GS1K1	
APNQ18GS1K1		APNQ30GS1K1	
1.58 ~ 5.28 ~ 5.77		2.2 ~ 7.33 ~ 7.83	
5,400 ~ 18,000 ~ 19,700		7,500 ~ 25,000 ~ 26,700	
-		-	
-		-	
-		-	
-		-	
1.75		2.43	
-		-	
-		-	
3.02/-		3.02/-	
APUQ18GS1K1		APUQ30GS1K1	
220-240, 1, 50		220-240, 1, 50	
3C x 2.5		3C x 4.0	
Warm Gray		Warm Gray	
770 × 545 × 288		870 × 650 × 330	
33.4 (73.6)		42.0 (92.6)	
Twin Rotary		Twin Rotary	
R410A		R410A	
BLDC		BLDC	
47		53	
Ø 6.35 (1/4)		Ø 9.52 (3/8)	
Ø 12.7 (1/2)		Ø 15.88 (5/8)	
30 (98.4)		50 (164.0)	
20 (65.6)		30 (98.4)	
APNQ18GS1K1		APNQ30GS1K1	
220-240, 1, 50		220-240, 1, 50	
-		-	
530 × 1,800 × 295		530 × 1,800 × 295	
-		-	
25.3 (55.8)		25.3 (55.8)	
15.0 / 12.0 / - / 10.0		15.0 / 12.0 / - / 10.0	
BLDC		BLDC	
45 / 43 / - / 41		45 / 43 / - / 41	

SINGLE PACKAGE



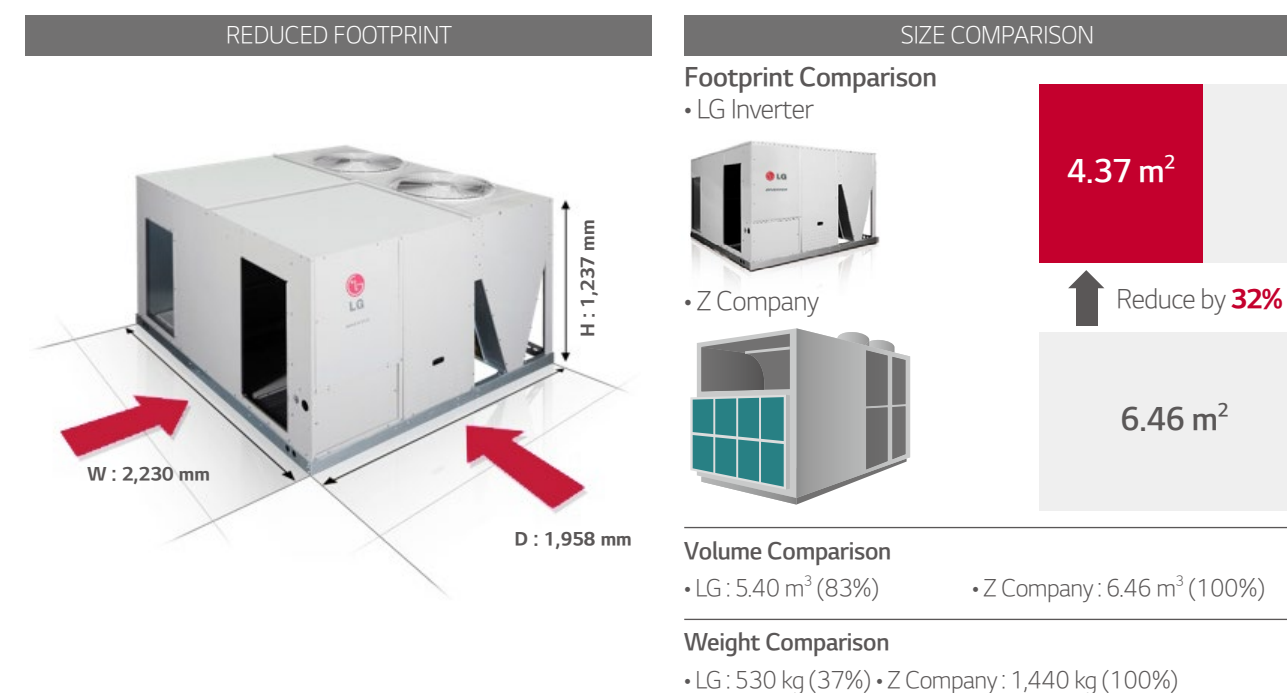
ADVANCED KEY COMPONENTS FOR HIGH ENERGY EFFICIENCY

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



COMPACT SIZE

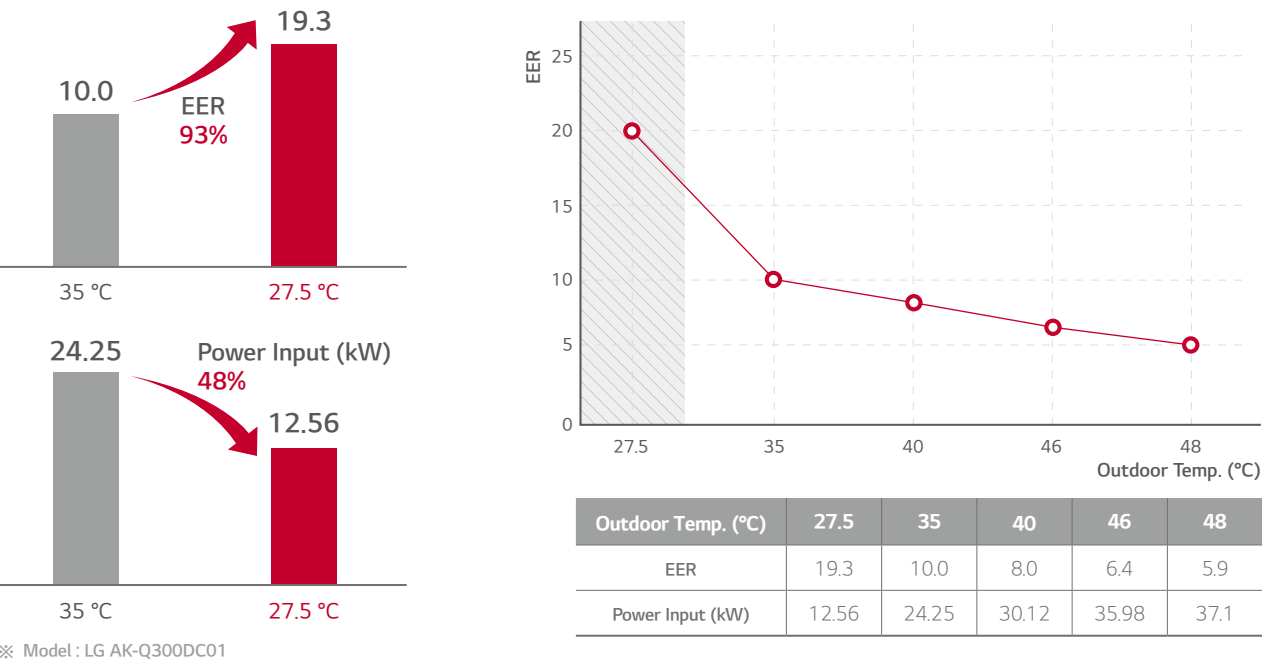
Easy transportation and less space for installation.



SINGLE PACKAGE

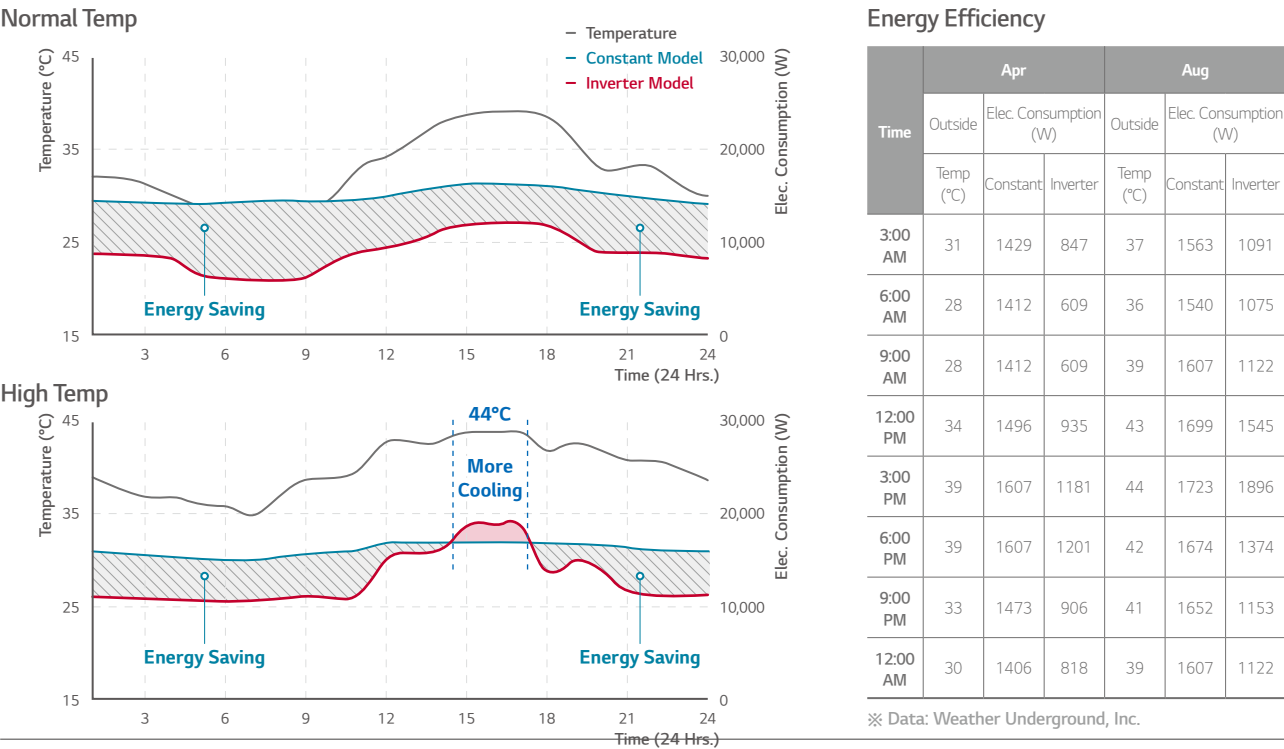
ANNUAL ENERGY SAVINGS

Target low pressure will be adjusted according to cooling load. LG provides energy saving by preventing On / Off operation with inverter technology.



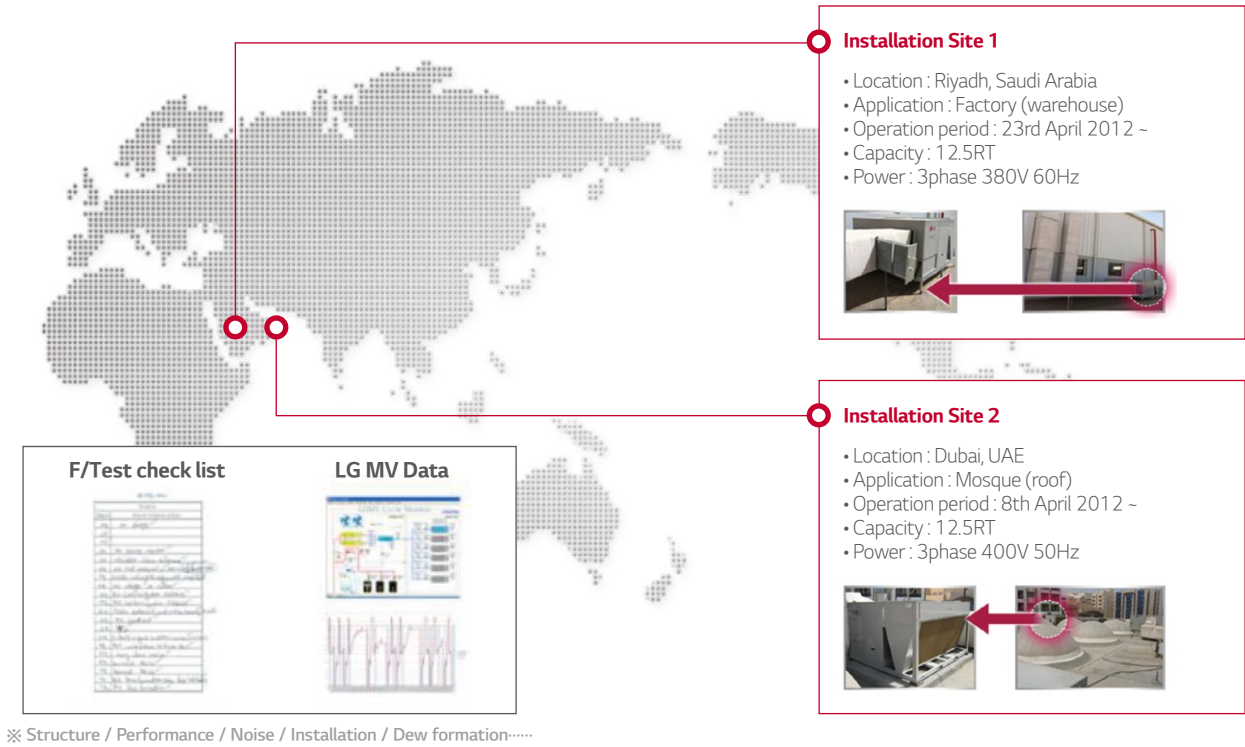
BENEFITS FOR CUSTOMER

Daily Energy Saving ratio compared to constant model (April 40%, Aug 20%)
→ KSA, Madinah, real temperature based, LG DUAL Inverter elec. consumption simulation



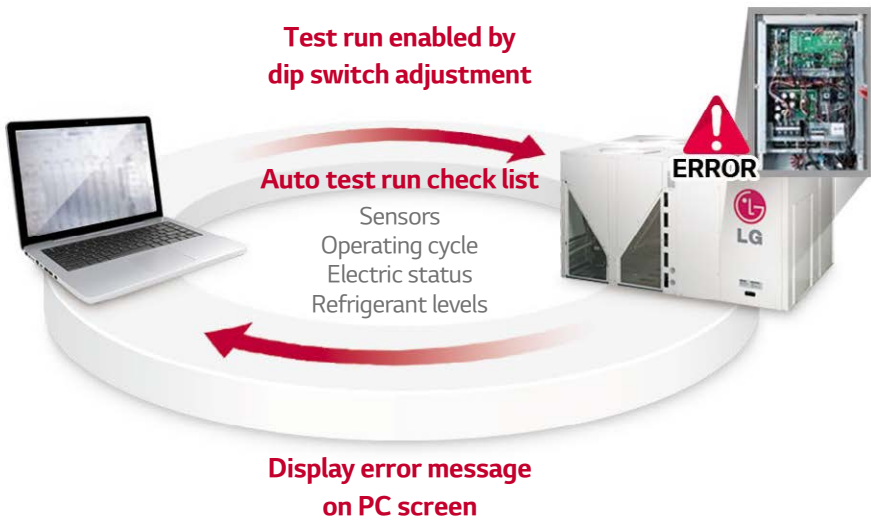
RELIABLE PERFORMANCE

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



AUTOMATIC TEST RUN

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



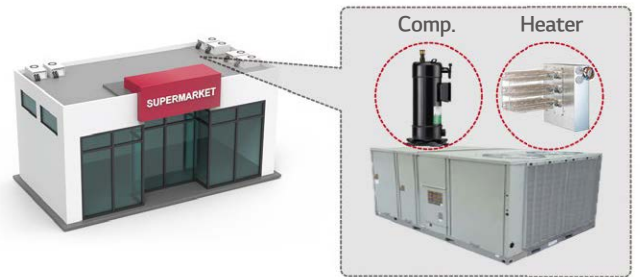
SINGLE PACKAGE

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.



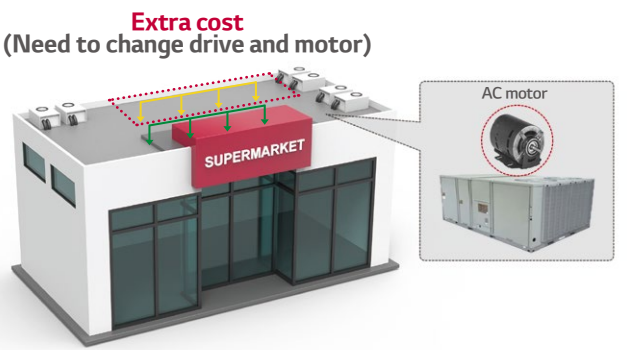
* T com: TH*300 - MCA: 102A MFA: 110A
* LG: AK-W300DC00 - MCA: 69A MFA: 80A

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



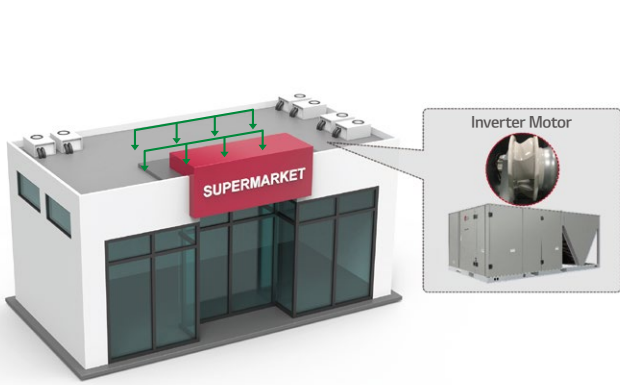
* T company : TH*300

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

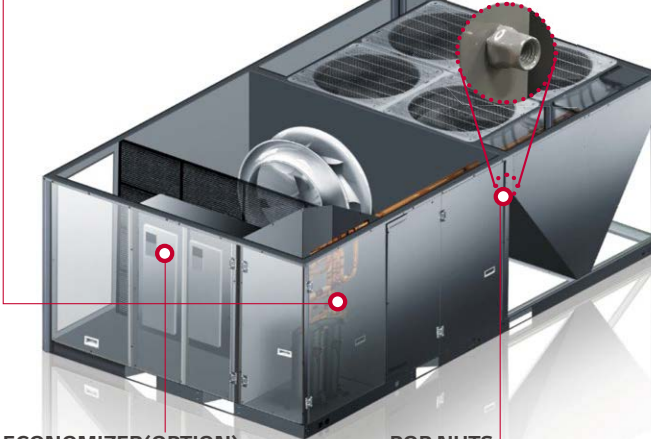
External Static Pressure (Inches of Water, in.Aq)	
0.1 ~ 0.6	0.7 ~ 2.0
Standard Extra cost	

HIGH EFFICIENCY INVERTER COMPRESSOR, ECONOMIZER

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

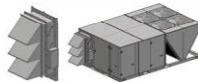
INVERTER COMPRESSORS & DUAL(TEMP.+HUMIDITY) SENSING

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



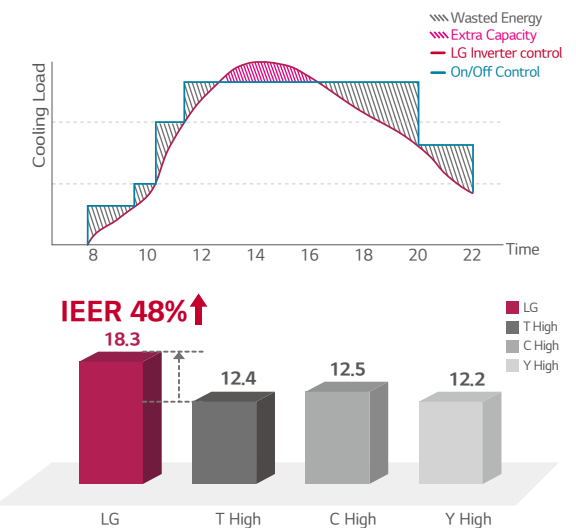
ECONOMIZER(OPTION)

- 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.



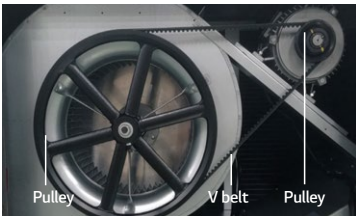
* IEER: Integrated Energy Efficiency Ratio * LG : 25RT Model / Others : High efficiency 25RT model
* Only be adapted for Heat Pump model.

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



Reduced maintenance points
Maintenance cost 26%↓

LG SINGLE PACKAGE (PLUG FAN + INVERTER MOTOR)

- No need to adjust pulleys & belts and grease periodically



* 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)

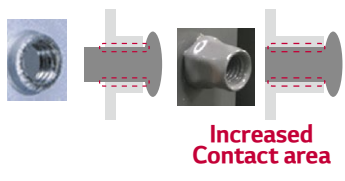
- Pre-filters are standard features
- Pre-filters allow customers to use 2" filters longer.

※ 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



SPECIFICATIONS

SINGLE PACKAGE - HIGH EFFICIENCY



TROPICAL HEAT

Nominal Capacity			RT	20	25
Model Name			-	AK-W240LC00	AK-W300LC00
Cooling Capacity	Net Capacity		kW	70.0	81.0
			kcal/h	60,480	69,600
			Btu/h	240,000	276,000
	Gross Capacity		kW	72.4	83.5
			kcal/h	62,250	71,800
			Btu/h	247,000	285,000
Heating Capacity	Capacity		kW	70.3	80.9
			kcal/h	60,480	69,600
			Btu/h	240,000	276,000
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.	mm (inch)	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)	2.01 (21.6)	2.01 (21.6)
	Face Area		m² (ft²)	2.18 (23.47)	2.18 (23.47)
Indoor Fan	Type		-	Plug Fan	Plug Fan
	Diameter		mm (inch)	630 (25)	630 (25)
	Motor Output		Hp	10	10
	Air Flow Rate	Nominal	m³/min	227	261
		Nominal	ft³/min	8,000	9,200
Compressor (#1, A Cycle)	Drive type		-	BLDC Inverter	BLDC Inverter
	Type		-	HSS DC SCROLL	HSS DC SCROLL
	Motor Output		W × No.	5,500 × 1	5,500 × 1
	Oil Type		-	FVC68D	FVC68D
	Oil Charge		cc × No.	1,500 × 1	1,500 × 1
Compressor (#2, B Cycle)	Type		-	HSS DC SCROLL	HSS DC SCROLL
	Motor Output		W × No.	5,500 × 1	5,500 × 1
	Oil Type		-	FVC68D	FVC68D
	Oil Charge		cc × No.	1,500 × 1	1,500 × 1
Outdoor Coil	Fin Type		-	Wide Louver Plus	Wide Louver Plus
	Tube Size	Outer Dia.	mm (inch)	7 (9/32)	7 (9/32)
	(Row × Column × Fins per inch) × No.		-	(3 × 52 × 14) × 2	(3 × 52 × 14) × 2
	Face Area		m² (ft²)	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		m³/min × No.	105 × 4	105 × 4
			ft³/min × No.	3,700 × 4	3,700 × 4
	Drive		-	BLDC Inverter	BLDC Inverter
Discharge Direction		-	Top	Top	
Dehumidification rate			ℓ/h	24.1	30.1
Drain Connection Size			-	NPT 1"	NPT 1"
Refrigerant	Refrigerant name		-	R410A	R410A
	Precharged Amount	A-Circuit	kg	9.0	9.0
		B-Circuit	kg	9.0	9.0
	Control		-	Electronic Expansion Valve	Electronic Expansion Valve
Dimensions (W × H × D)		mm	2,230 × 1,242 × 3,520		
		inch	87-25/32 × 48-29/32 × 138-19/32		
Net Weight		kg (lbs)	915 (2,017)		
Sound pressure levels	Cooling		dB (A)	77	
Operation Range (Outdoor Temperature)	Cooling	Min. ~ Max.	°C DB (°FDB)	-5 ~ 54 (129.2)	
	Heating	Min. ~ Max.	°C WB (°FWB)	-15 ~ 18 (5.0 ~ 64.4)	

TROPICAL COOL

Nominal Capacity			RT	6.5	7.5
Model Name			-	AK-Q0788C01	AK-Q0908C01
Cooling Capacity	Net Capacity		kW	22.9	26.4
			kcal/h	19,700	22,700
			Btu/h	78,000	90,000
	Gross Capacity		kW	24.0	27.5
			kcal/h	20,700	23,700
			Btu/h	82,000	94,000
EER			Btu / Wh	12.8	11.8
Power Input	Cooling		kW	6.09	7.62
Power Supply			V, Ø, Hz	380-415, 3, 50	380-415, 3, 50
Indoor Coil	Fin Type		-	LG Louver	LG Louver
	Tube Size	Outer Dia.	mm (inch)	9.52 (3/8)	9.52 (3/8)
	(Row × Column × Fins per inch) × No.		-	(4 × 36 × 16) × 1	(4 × 36 × 16) × 1
	Face Area		m² (ft²)	0.84 (9.02)	0.84 (9.02)
Indoor Fan	Type		-	Sirocco Fan	Sirocco Fan
	Diameter		mm (inch)	331.6 (13.1)	331.6 (13.1)
	Motor Output		Hp	1.5	1.5
	Air Flow Rate	Nominal	m³/min	73.6	84.9
		Nominal	ft³/min	2,600	3,000
	Drive type		-	Belt	Belt
	Type		-	HSS DC SCROLL	HSS DC SCROLL
Compressor (#1, A Cycle)	Motor Output		W × No.	5,300 × 1	5,300 × 1
	Oil Type		-	FVC68D	FVC68D
	Oil Charge		cc × No.	1,200 × 1	1,200 × 1
	Type		-	-	-
Compressor (#2, B Cycle)	Motor Output		W × No.	-	-
	Oil Type		-	-	-
	Oil Charge		cc × No.	-	-
	Type		-	-	-
Outdoor Coil	Fin Type		-	Wide Louver Plus (Gold)	Wide Louver Plus(Gold)
	Tube Size	Outer Dia.	mm (inch)	7 (9/32)	7 (9/32)
	(Row × Column × Fins per inch) × No.		-	(3 × 44 × 14) × 1	(3 × 44 × 14) × 1
	Face Area		m² (ft²)	2.08 (22.38)	2.08 (22.38)
Outdoor Fan	Type		-	Propeller Fan	Propeller Fan
	Diameter		mm (inch)	680 (26-25/32)	680 (26-25/32)
	Motor Output		W × No.	1,200 × 1	1,200 × 1
	Air Flow Rate	m³/min × No.	105 × 1	105 × 1	
		ft³/min × No.	3,700 × 1	3,700 × 1	
	Drive		-	BLDC Inverter	BLDC Inverter
Dehumidification rate			ℓ/h	8.5	9.9
Drain Connection Size			-	Male NPT 3/4	Male NPT 3/4
Refrigerant	Refrigerant name		-	R410A	R410A
	Precharged Amount	A-Circuit	kg	6.9	6.9
		B-Circuit	kg	-	-
	Control		-	EEV	EEV
Dimensions (W × H × D)			mm	2,250 × 1,106 × 1,130	2,250 × 1,106 × 1,130
			inch	88-19/32×43-17/32×44-1/2	88-19/32×43-17/32×44-1/2
Net Weight			kg (lbs)	340 (750)	340 (750)
Sound pressure levels	Cooling		dB (A)	70	70
Operation Range (Outdoor Temperature)	Cooling	Min. ~ Max.	°CDB (°FDB)	-5 ~ 54 (23.0-129.2)	-5 ~ 54 (23.0-129.2)

SPECIFICATIONS

SINGLE PACKAGE - HIGH EFFICIENCY



TROPICALCOOL

Nominal Capacity			RT	10	12.5
Model Name			-	AK-Q1208C01	AK-Q1508C01
Cooling Capacity	Net Capacity		kW	35.2	39.9
			kcal/h	30,239	34,300
			Btu/h	120,000	136,000
	Gross Capacity		kW	37.5	41.5
			kcal/h	32,255	35,733
		Btu/h	128,000	141,800	
EER		Btu / Wh	11.6	11.6	
Power Input	Cooling	kW	10.34	11.70	
Power Supply		V, Ø, Hz	380-415, 3, 50	380-415, 3, 50	
Indoor Coil	Fin Type		-	LG Louver	LG Louver
	Tube Size	Outer Dia.	mm (inch)	9.52 (3/8)	9.52 (3/8)
	(Row × Column × Fins per inch) × No.		-	(4 × 22 × 16) × 2	(4 × 22 × 16) × 2
	Length		mm (inch)	1.45 (15.61)	1.45 (15.61)
	Face Area		m² (ft²)	1.45(15.61)	1.45 (15.61)
Indoor Fan	Type		-	Sirocco Fan	Sirocco Fan
	Diameter		mm (inch)	380 (15)	380 (15)
	Motor Output		Hp	3	3
	Air Flow Rate	Nominal	m³/min	113.3	141.6
		Nominal	ft³/min	4,000	5,000
	Drive type		-	Belt	Belt
	Type		-	HSS DC SCROLL	HSS DC SCROLL
Compressor (#1, A Cycle)	Motor Output		W × No.	5,300 × 1	5,300 × 1
	Oil Type		-	FVC68D	FVC68D
	Oil Charge		cc × No.	1,200 × 1	1,200 × 1
Compressor (#2, B Cycle)	Type		-	-	-
	Motor Output		W × No.	-	-
	Oil Type		-	-	-
	Oil Charge		cc × No.	-	-
Outdoor Coil	Fin Type		-	Wide Louver Plus (Gold)	Wide Louver Plus(Gold)
	Tube Size	Outer Dia.	mm (inch)	7 (9/32)	7 (9/32)
	(Row × Column × Fins per inch) × No.		-	(3 × 42 × 14) × 2	(3 × 42 × 14) × 2
	Face Area		m² (ft²)	3.53 (37.99)	3.53 (37.99)
Outdoor Fan	Type		-	Propeller Fan	Propeller Fan
	Diameter		mm (inch)	680 (26-25/32)	680 (26-25/32)
	Motor Output		W × No.	1,500 × 2	1,500 × 2
	Air Flow Rate	m³/min × No.		105 × 2	105 × 2
		ft³/min × No.		3,700 × 2	3,700 × 2
	Drive		-	BLDC Inverter	BLDC Inverter
	Discharge Direction		-	Top	Top
Dehumidification rate		ℓ/h	13.8	15.6	
Drain Connection Size		-	Male NPT 1	Male NPT 1	
Refrigerant	Refrigerant name		-	R410A	R410A
	Precharged Amount	A-Circuit	kg	13.0	13.0
		B-Circuit	kg	-	-
	Control		-	Electronic Expansion Valve	Electronic Expansion Valve
Dimensions (W × H × D)		mm	2,230 × 1,237 × 1,958	2,230 × 1,237 × 1,958	
		inch	87-25/32×48-11/16×77-3/32	87-25/32×48-11/16×77-3/32	
Net Weight		kg (lbs)	530 (1,168)	530 (1,168)	
Sound pressure levels	Cooling		dB (A)	75	75
Operation Range (Outdoor Temperature)	Cooling	Min. ~ Max.	°CDB (°FDB)	-5 ~ 54 (23.0 ~ 129.2)	-5 ~ 54 (23.0 ~ 129.2)

TROPICALCOOL

Nominal Capacity			RT	15	17.5	20	25
Model Name			-	AK-Q1808C01	AK-Q2108C01	AK-Q2408C01	AK-Q3008C01
Cooling Capacity	Net Capacity		kW	52.8	61.5	70.6	80.9
			kcal/h	45,360	52,919	60,700	69,600
			Btu/h	180,000	210,000	241,000	276,000
	Gross Capacity		kW	54.2	64.2	73.6	85.0
			kcal/h	46,620	55,187	63,300	73,100
		Btu/h	185,100	219,000	251,100	290,000	
EER			Btu / Wh	11.6	12.8	11.6	10.5
Power Input	Cooling		kW	15.50	16.40	20.70	26.20
Power Supply			V, Ø, Hz	380-415, 3, 50	380-415, 3, 50	380-415, 3, 50	380-415, 3, 50
Indoor Coil	Fin Type		-	LG Louver	LG Louver	LG Louver	LG Louver
	Tube Size	Outer Dia.	mm (inch)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)
	(Row × Column × Fins per inch) × No.		-	(3 × 24 × 16) × 2	(3 × 24 × 16) × 2	(3 × 24 × 16) × 2	(3 × 24 × 16) × 2
	Face Area		m ² (ft ²)	2.18 (23.47)	2.18 (23.47)	2.18 (23.47)	2.18 (23.47)
Indoor Fan	Type		-	Sirocco Fan	Sirocco Fan	Sirocco Fan	Sirocco Fan
	Diameter		mm (inch)	450 (18)	450 (18)	450 (18)	450 (18)
	Motor Output		Hp	5	5	5.0	7.5
	Air Flow Rate	Nominal	m ³ /min	169.9	198.2	226.5	283.2
		Nominal	ft ³ /min	6,000	7,000	8,000	10,000
	Drive type		-	Belt	Belt	Belt	Belt
Compressor (#1, A Cycle)	Type		-	HSS DC SCROLL	HSS DC SCROLL	HSS DC SCROLL	HSS DC SCROLL
	Motor Output		W × No.	4,200 × 1	5,300 × 1	5,300 × 1	5,300 × 1
	Oil Type		-	FVC68D	FVC68D	FVC68D	FVC68D
	Oil Charge		cc × No.	1,200 × 1	1,400 × 1	1,400 × 1	1,400 × 1
Compressor (#2, B Cycle)	Type		-	HSS DC SCROLL	HSS DC SCROLL	HSS DC SCROLL	HSS DC SCROLL
	Motor Output		W × No.	4,200 × 1	5,300 × 1	5,300 × 1	5,300 × 1
	Oil Type		-	FVC68D	FVC68D	FVC68D	FVC68D
	Oil Charge		cc × No.	1,200 × 1	1,400 × 1	1,400 × 1	1,400 × 1
Outdoor Coil	Fin Type		-	Wide Louver Plus (Gold)	Wide Louver Plus(Gold)	Wide Louver Plus (Gold)	Wide Louver Plus(Gold)
	Tube Size	Outer Dia.	mm (inch)	7 (9/32)	7 (9/32)	7 (9/32)	7 (9/32)
	(Row × Column × Fins per inch) × No.		-	(2 × 42 × 14) × 4	(3 × 42 × 14) × 4	(3 × 42 × 14) × 4	(3 × 42 × 14) × 4
	Face Area		m ² (ft ²)	7.06 (75.99)	7.06 (75.99)	7.06 (75.99)	7.06 (75.99)
Outdoor Fan	Type		-	Propeller Fan	Propeller Fan	Propeller Fan	Propeller Fan
	Diameter		mm (inch)	680 (26-25/32)	680 (26-25/32)	680 (26-25/32)	680 (26-25/32)
	Motor Output		W × No.	900 × 4	900 × 4	900 × 4	900 × 4
	Air Flow Rate	m ³ /min × No.		105 × 4	105 × 4	105 × 4	105 × 4
		ft ³ /min × No.		3,700 × 4	3,700 × 4	3,700 × 4	3,700 × 4
	Drive		-	BLDC Inverter	BLDC Inverter	BLDC Inverter	BLDC Inverter
Dehumidification rate			ℓ/h	20.7	24.2	26.18	29.82
Drain Connection Size			-	Male NPT 1	Male NPT 1	Male NPT 1	Male NPT 1
Refrigerant	Refrigerant name		-	R410A	R410A	R410A	R410A
	Precharged Amount	A-Circuit	kg	9.0	12.0	12.0	12.0
		B-Circuit	kg	9.0	12.0	12.0	12.0
	Control		-	Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Dimensions (W × H × D)			mm	2,230 × 1,242 × 3,520	2,230 × 1,242 × 3,520	2,230 × 1,242 × 3,520	2,230 × 1,242 × 3,520
			inch	87-25/32×48-29/32×138-19/32	87-25/32×48-29/32×138-19/32	87-25/32×48-29/32×138-19/32	87-25/32×48-29/32×138-19/32
Net Weight			kg (lbs)	880 (1,940)	950 (2,094)	950 (2,094)	950 (2,094)
Sound pressure levels	Cooling		dB (A)	85	85	85	85
Operation Range (Outdoor Temperature)	Cooling	Min. ~ Max.	°CDB (°FDB)	-5 ~ 54 (23.0~129.2)	-5 ~ 54 (23.0~129.2)	-5 ~ 54 (23.0~129.2)	-5 ~ 54 (23.0~129.2)

SINGLE PACKAGE

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



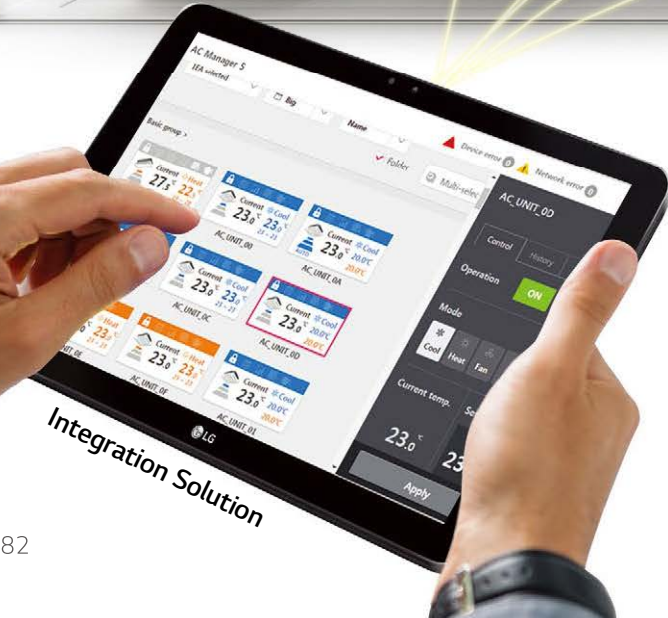
RESIDENTIAL

Smart Individual Control Solution



SMALL BUILDING

Small Central Control Solution



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)	PWFMDD200
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 / PACSSA000 / PACPSA000 / PLNWK000) 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.

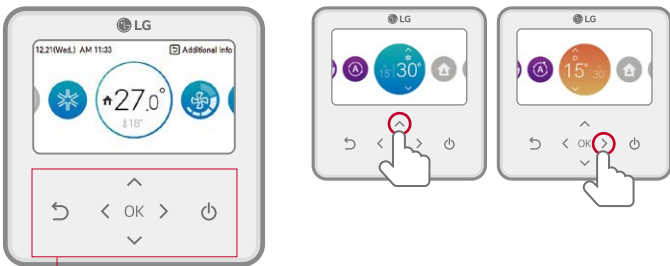


PREMTB100 (White) PREMTBB10 (Black)

- 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

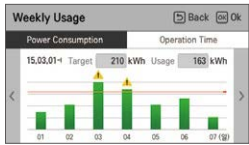
※ ○ : Applied, - : Not Applied
1) It might not be indicated or operated at the partial product.
2) This function is available for duct type.
3) This function requires PDI (PQNUD1S40 / PPWRDB000) to be installed.
Note : 1. Indoor unit needs to have functions requested by the controller.
2. 2 set points 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.



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

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

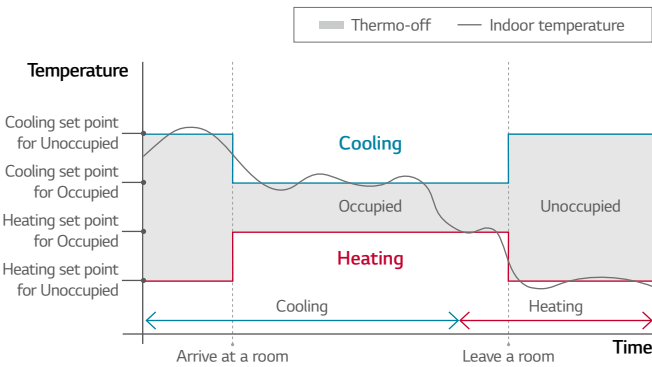
Auto Changeover (Convenience)

- 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.

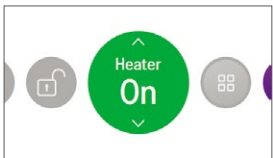
Setback (Home Leave) (Energy saving & Comfort)

- 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.

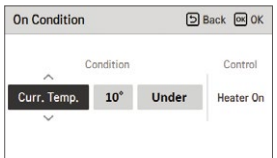
※ This function is for Heat Recovery system or Single heat pump. Otherwise it is not guaranteed.



External Device On / Off

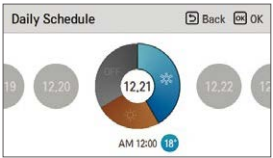


External Equipment Control
User can turn on or off the external equipment through contact point output.



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

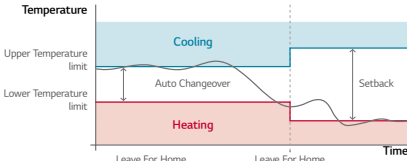
- Daily, Weekly, Yearly schedule function
- Schedule pattern setting
- Schedule copy



2 Set points Control

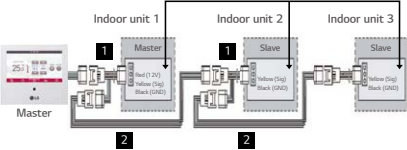
- Auto changeover switching the operation mode automatically
- Setback (Home Leave) Changing status by occupied / unoccupied

※ 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



PQRCVCLQW (White) / PQRCVCLQ (Black)



PQRCHCA0QW (White) / PQRCHCA0Q (Black)

Model Name	PQRCVCLQW / PQRCVCLQ	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)  PREMTB100	 PQRCVCLQW	NEW PWLSSB21H (H/P) NEW PWLSSB21C (C/O) Wi-Fi Controller	AC Ez  PQCSZ250S0 (Indoor Unit ~32)	ACP 5  PACP5A000 (Indoor Unit ~256) BACnet IP/Modbus TCP Gateway	ACP LonWorks  PLNWKB000 (Indoor Unit ~64)
Standard III (Black)  PREMTBB10	 PQRCVCL0Q		AC Ez Touch  PACEZA000 (Indoor Unit ~64)	AC Manager 5  PACM5A000 (Indoor Unit ~8,192)	Modbus RTU Gateway  PMBUSB00A
Standard II (White)  PREMTB001	 PQRCHCA0QW (Simple for Hotel)	LG Wi-Fi Modem  For Indoor Unit PWFMD200	AC Smart 5  PACS5A000 (Indoor Unit ~128) BACnet IP/Modbus TCP Gateway		PI-485  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		
		Dry Contact	Control Accessory	
PDI (Power Distribution Indicator)  Premium (8 port) PQNUD1S40 Standard (2 port) PPWRDB000		 Simple Dry Contact PDRYCB000	 Group Control Wire PZCWRCG3	IO Module (Input / Output Module)  For MULTI V 5 PVDSMN000
ACS IO Module (Input / Output Module)  PEXPMB000		 Dry Contact for Thermostat PDRYCB300	 Remote Temperature Sensor PQRSTA0	Variable Water Flow Control kit  For MULTI V WATER IV PWFCN000
Chiller Option Kit  PCHLLN000		 Dry contact for Thermostat (For using universal input) NEW PDRYCB320	 Low Profile Remote Temperature Button Sensor ZRTBS01	Low Ambient Kit  For MULTI V IV, 5 PRVC2
ACU IO Module  UIO PEXPMB300		 2 Points Dry Contact (For Setback) PDRYCB400	 Zone Controller 4 Zones by thermostat ABZCA	Controller Module  Main Module NEW PAHCM000
 UO PEXPMB200		 For Modbus PDRYCB500		Cool / Heat Selector  PRDSBM
 UI PEXPMB100				Communication Module NEW PAHCMC000
				Water Communication Module  NEW PAHCMW000
				Control kit  NEW PAHCNM000 (Max. 3 Outdoor Units)
				EEV Kit  PRLK048A0 (~ 28 kW) PRLK096A0 (~ 56 kW)
				NEW PRLK396A0 (~ 112 kW)
				NEW PRLK594A0 (~ 168 kW)