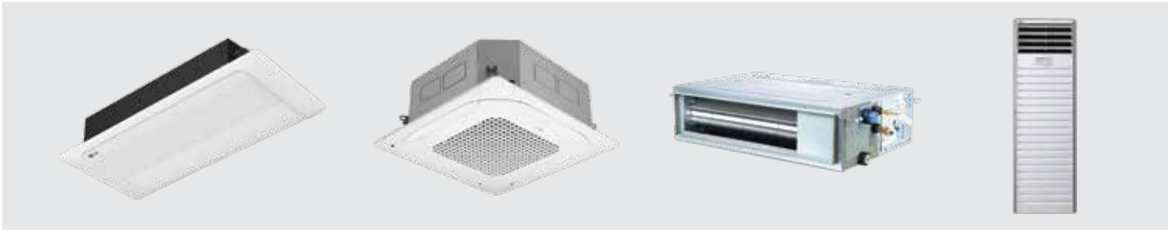
LG
Life's Good

LIGHT
COMMERCIAL
AIR CONDITIONING PRODUCTS



Energy Efficiency | Black Fin Protection | Air Purification | Human Detection | Smart Control

LG
Life's Good

LG SAC CUSTOMER CARE

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cac.service@lgepartner.com

www.facebook.com/LGIndiaCommercialAC
www.twitter.com/LGIndia

To know more about LG, visit www.lg.com/in/business/air-solution
For Corporate/Institutional enquiries,
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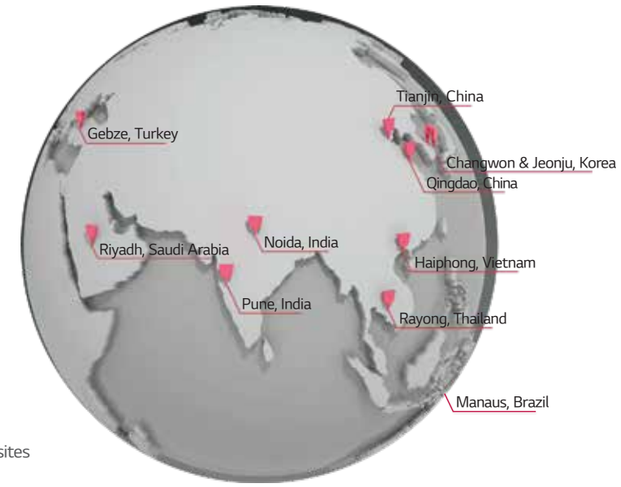
LG Smart Inverter Single CAC 15

• Inverter cassette 1 Way • Inverter cassette 4 Way
• Inverter Low Static Duct • Inverter High Static Duct
• Inverter Floor Standing

Control Solution 34

LG AIR SOLUTION



*LG Air Solution production sites

AS A TOTAL HVAC & ENERGY SOLUTION PROVIDER

The LG Electronics Air Solution Business Unit is a provider of total HVAC and energy solution. The company offers a broad portfolio of air conditioner products that are compatible with any building anywhere, including compact residences, towering skyscrapers, massive factories and giant concert halls. As a true total HVAC and energy solution provider, LG also supplies even the largest buildings and industrial facilities with central air conditioning systems such as chillers and efficient control solutions.

The history of the business unit goes back to 1968, when LG (then called GoldStar) rolled out Korea's first residential air conditioner. As the company first began making chillers for large commercial buildings in 1970, the commercial air conditioning business has grown exponentially, especially within the last 20 years. In 2008, LG sold its 100 millionth air conditioning unit, becoming the first company in the industry to reach that significant milestone. The success of LG air conditioners has allowed the company to become one of the major players in the highly competitive HVAC industry. By enhancing the industry's B2B infrastructure and finding further solutions for the HVAC sector, LG has risen to become a total HVAC solutions specialist. The company has steadily increased its sales and market share by introducing energy efficient and reliable HVAC solutions and actively pursuing new opportunities wherever they arise. This sustained, excellent performance is built on a solid foundation of global R&D and advanced manufacturing capabilities.

LG ACADEMIES PROVIDE BEST SKILL

LG believes in Knowledge sharing and this being done at LGEIL with 2 academies located at Greater Noida and Pune within factory premises. These academies with dedicated trainer impart product information to service including hands-on practise with Brazing system. LG academies ensures in providing best skill to Customer/Dealers and LG Employees with there scheduled training calendar.

CORE BENEFITS

1

ENVIRONMENTAL FRIENDLY & ENERGY EFFICIENCY

R32

LG's revolutionary Inverter technology boasts of powerful yet quiet performance while minimising energy consumption. In order to reduce environmental destruction, refrigerant R32 is internationally acclaimed for being eco-friendly.

2

BLACK FIN PROTECTION

LG's exclusive "Black Fin" heat exchanger is designed to perform even in corrosive environments.

3

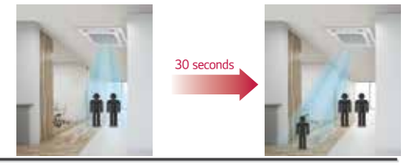
AIR PURIFICATION

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

4

HUMAN DETECTION

Air flow direction is controlled automatically by motion sensor that detects the activity of people every 30 seconds.

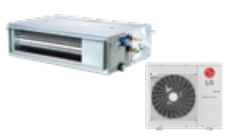


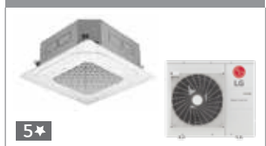
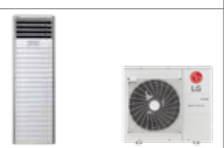
5

SMART CONTROLS

LG Single CAC responds to diverse building environments with LG ThinQ-based AI control and individual/central integrated control solutions.

LINE UP

Product	1.0 TR	1.5 TR	2.0 TR	3.0 TR
Inverter Cassette 4 Way R32		 3★ 5★	 3★ 5★	 5★
Inverter Cassette 1 Way R32	 3★	 3★	 3★	
Inverter Low Static Duct R32				
Inverter High Static Duct				
Inverter Floor Standing				

4.0 TR	5.5 TR	8.5 TR	11.0 TR
 5★			
			
			

ENVIRONMENTAL FRIENDLY & ENERGY EFFICIENCY

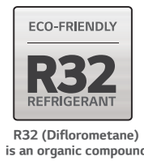
ENVIRONMENTAL FRIENDLY

R32 REFRIGERANT

R32 is a highly efficient refrigerant with a lower global warming potential as compared to R410A, a commonly found refrigerant in residential air conditioners.

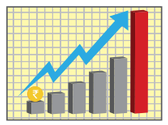
HOW IT WORKS?

If compressor is the heart of AC then the refrigerant is the blood. The heat is transferred between indoor & outdoor due to circulation of refrigerant. Eco-friendly Refrigerant (R32) has better heat dissipation. It gives better result in lower quantity & has remarkable lower environmental impact



R32 (Diflorometane) is an organic compound

It requires 20% less gas charge



Powerful cooling & higher efficiency

BENEFITS

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

	R22	R410A	R32
ODP	Medium	Nil	**Nil**
GWP	Mid	High	**Low**

CORE BENEFITS OF LG SMART INVERTER SINGLE CAC

ENVIRONMENTAL FRIENDLY & ENERGY EFFICIENCY

ENERGY EFFICIENCY

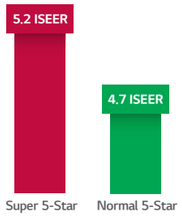
SUPER 5-STAR AIR CONDITIONERS

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

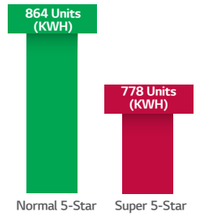
BENEFITS

- Consumes up to 10% less energy with respect to normal 5 Star Inverter AC
- Super 5-Star comes with 5.2 ISEER Rating

Improved Efficiency Vs. Normal 5-Star



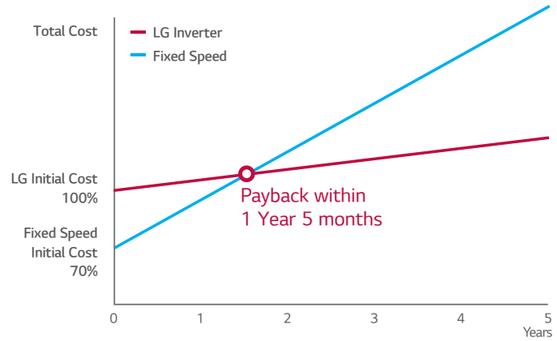
Less Energy Consumption



LG Super 5-Star Inverter (1.5 Tr)

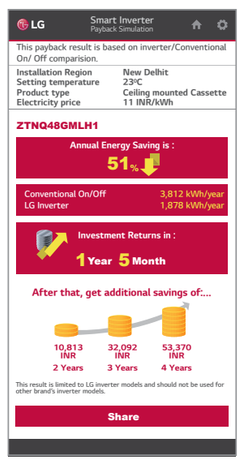
PAY BACK

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



Capacity : 4 TR Ceiling Mounted Cassette
Operating time : 08:00~22:00
Cooling partial load and power consumption calculated based on yearly weather data (Target indoor temperature : 23°C) India (Delhi)

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



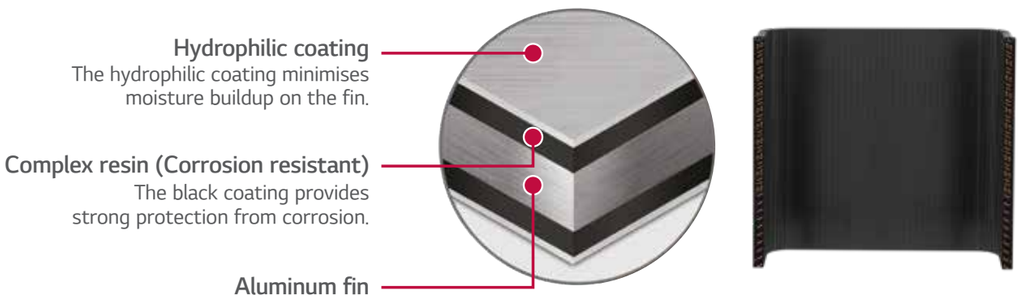
GET IT ON Google Play Download on the App Store

To download our Payback app, search 'LG Inverter Payback' on Google Play Store or App Store.

BLACK FIN
FOR CORROSION RESISTANCE

ANTI CORROSION COATING
BLACK FIN

Black fin for corrosion resistance



CORROSION RESISTANCE PROVEN BY CERTIFIED TESTS

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

※ Verification of corrosion resistance performance
- Test Method B of ISO21207
- ASTM B117 / ISO 9227 (10,000 hours)

HI-GROOVED COPPER

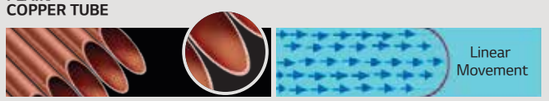
High grooved copper pipes serve dual benefits of better heat dissipation of refrigerant & increasing the durability of pipe.

BENEFITS

- Inner grooved structure enables the oscillatory movement for better heat dissipation as it increases travel time of refrigerant within pipes.
- Grooves also strengthens the overall pipe structure because of which they can withstand high pressure.
- More efficient heat transfer can withstand higher pressure and offers long-term durability.

	Plain	Grooved ★★★	Hi-Grooved ★★★★★
Groove Height	NA	0.1mm	0.18mm
Per Meter Weight	30g/m	47g/m	47g/m

PLAIN COPPER TUBE



Refrigerant Flow in Plain Copper Pipe

Refrigerant quickly flows out due to the high-speed straight line movement

HI-GROOVED COPPER TUBE

Refrigerant Flow in Hi-Grooved Copper Pipe

Grooved structure helps in agitated refrigerant movement and lowers down the refrigerant movement within copper pipe

AIR PURIFICATION

IONISER

DEODORISATION FILTER

PM 1.0 FILTER

DUST ELECTRIFICATION

PRE - FILTER

Real Time Air Quality Monitoring

Mobile device

Remote controller

Indoor unit smart indicator

※ Air purification kit is an optional accessory and is only available with 1Way & 4 Way cassettes (Refer to product line up)

HUMAN DETECTION

Energy saving & comfort cooling through human detection.

Human Detection Sensor
(PTVSMA0)

Energy Saving

On/Off Control

Temperature Control

Comfort Air

Indirect Airflow

Direct Airflow

SMART CONTROLS

LG ThinQ™

Control your air conditioners using the smart internet devices on Android or iOS based smartphones.

LG ThinQ ™

Download on the App Store

GET IT ON Google Play

Simple operation for various functions

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

※ Search "LG ThinQ ™" on Google market or App store then download the app.
※ Wi-Fi modem (PWFMDD200) is required by option.
※ In some countries, use of the google assistant system may be restricted.

MOBILE LG MV

LG MV (Monitoring View) helps engineers to inspect and monitor air conditioning unit easily.

Install / SVC Engineer

Mobile LG MV

INVERTER CASSETTE 1 WAY

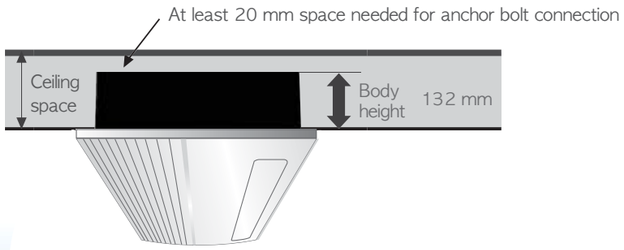
REDDOT AWARD WINNING DESIGN ENHANCES LUXURY HOUSE INTERIOR

Compact and round shaped panel brings excellent fit to ceiling.

reddot award winner

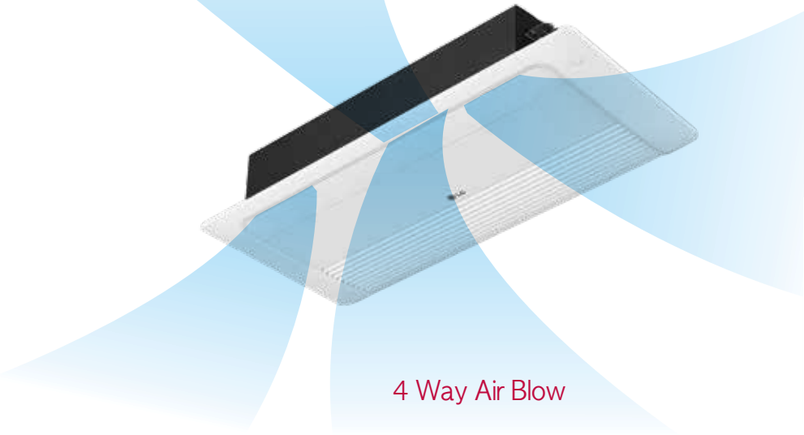
SLIM & COMPACT INDOOR UNIT

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



4 WAY AIR BLOW AUTO CONTROL

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



EVEN AIR DISTRIBUTION

4 WAY AIR BLOW CONTROL

COMFORT COOLING (DIRECT / INDIRECT WIND)

By selecting the wind direction, user can easily achieve the preferred cooling comfort.

DIRECT WIND

INDIRECT WIND

SPECIFICATIONS

INVERTER 1 WAY CASSETTE

* Wireless Remote Controller Included

U12 A Chassis | U18 A Chassis | U24 A Chassis

1 WAY Cassette		Capacity	Tr	1.0 TR	1.5 TR	2.0 TR
Combination		Outdoor unit		ZTUQ12GULA1	ZTUQ18GTLA1	ZTUQ24GTLA1
		Indoor unit		ZTNQ12GULA1	ZTNQ18GTLA1	ZTNQ24GTLA1
Capacity	Cooling	Min.~Rated~Max.	kW	1.37 ~ 3.60 ~ 4.20	1.58 ~ 5.26.0	2.21 ~ 7.10 ~ 7.7
Power Input	Cooling	Rated	kW	1.20	1.55	2.45
EER / COP			W / W	3.00	3.35	2.9
ISEER				4.00	4.35	3.95
ISEER Grade				3 star	3 star	3 star
Indoor Unit						
Model Name			Unit	ZTNQ12GULA1	ZTNQ18GTLA1	ZTNQ24GTLA1
Power Supply			V , ø , Hz	230 ,1 , 50		
Air Flow Rate		H / M / L	m^3/min	9.0 / 8.0 / 7.0	16/14/12	16/14/12
Fan Motor		Type			BLDC	
Sound Pressure Level		H / M / L	dB(A)	37 / 36 / 33	46/43/39	46/43/39
Dimensions	Net	W × H × D	mm	860 x 132 x 450	1180 x 132 x 450	1180 x 132 x 450
Weight	Net		kg(lbs)	11.3	14.2	14.2
Piping Connections	Liquid Side		mm (inch)	ø 6.35(1/4)	ø 6.35(1/4)	ø 9.52(3/8)
	Gas Side		mm (inch)	ø 9.52(3/8)	ø 12.7(1/2)	ø 15.88(5/8)
	Drain Pipe	O.D. / I.D.	mm	ø 32 / 25	ø 32 / 25	ø 32 / 25
Power and Communication Cable (included Earth)			No. x mm2	4C x 075	4C x 0.75(18)	4C x 0.75(18)
Decoration Panel 1	Model Name			PT-UAHW0	PT-TAHW0	
	Color			White		
	Dimensions	W x H x D	mm	1,100 x 34 x 500	1,420 x 34 x 500	
	Net Weight		kg	3.3	4.5	
Outdoor Unit						
Model Name			Unit	ZTUQ12GULA1	ZTUQ18GTLA1	ZTUQ24GTLA1
Power Supply			V, ø, Hz	230 ,1 , 50		
Compressor	Type		-	Twin Rotary		
Heat Exchanger	Type (Coating)		-	Fin & Tube Type (Hydophilic + Black Fin)		
Refrigerant	Type		-	R32		
	Control		-	Electronic Expansion Valve		
Fan Motor	Type			BLDC		
Sound Pressure Level	Cooling	Rated	dB(A)	50	54	54
Wiring Connections	Power Supply Cable (included Earth)		No. x mm2	3C x 1.5	3C x 1.5(14)	3C x 2.5(12)
Cicuit Breaker			A	16	16	25
Casing Color			-	Warm Gray		
Dimensions net		W x H x D	mm	717 X 483 X 230	770 x 545 x 288	870 x 650 x 330
Net Weight			kg (lbs)	24.9 (54.8)	31.5(69.4)	41.5(91.4)
Piping Connections	Liquid	Outer Dia.	mm(inch)	ø 6.35 (1/4)	ø 6.35 (1/4)	ø 9.52 (3/8)
	Gas	Outer Dia.	mm(inch)	ø 9.52 (3/8)	ø 12.7 (1/2)	ø 15.88 (5/8)
Piping Length		Min. / Max.	m (ft)	5 (16.4) / 30 (98.4)	5 (16.4) / 30(98.4)	5 (16.4) / 50 (164.0)
Maximum Height Difference	Outdoor Unit ~ Indoor Unit	Max.	m (ft)	15 (49.21)	20(65.6)	30(98.4)
Operation Range (Outdoor Temperature)	Cooling	Min. ~ Max.	℃ DB	-5 ~ 52		

Note: Performances are based on the following condition:
• Cooling: Indoor Ambient Temp. 27° CDB/19°CWB, Outdoor Ambient Temp. 35°CDB/24°CWB • Interconneced Pipe Length is 7.5mm and difference of Elevation (Outdoor~Indoor Unit) in 0m.
*: To use function, correct combination of panel and acessory need to be purchased (Refef to panel info)

Accessories	12k TU Chassis	18k TT Chassis	24k TT Chassis
1 Way CST Panel for Air Purification kit (Glossy finish)	PT-UPHG0.ENCXCOM	PT-TPHG0.ENCXCOM	
Dimensions	1,160 x 34 x 500	1480 X 34 X 500	
Human Detection kit	-		
Air Purification Kit	PTAHTP0.ENCXCOM		
Wi-Fi Module	PWFMDD200		
PI 485	PHNFP14A0 / PSNFP14A0		

NOTES

INVERTER CASSETTE 4 WAY

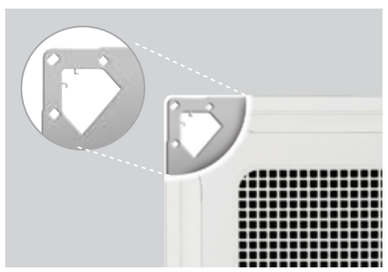
STYLISH DESIGN PANEL

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

Interior fit

Lineless surface

Detachable corner



reddot design award

INVERTER CASSETTE 4 WAY

COMPACT SIZE

Slim & compact design not only saves space but also reduces installation costs.
It's designed to suit most of building designs and can easily fit into various spaces.

Length Width : 840 x 840 mm

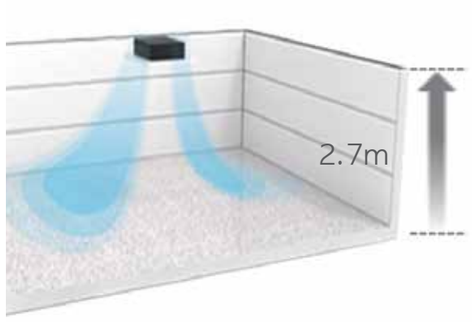
Conventional

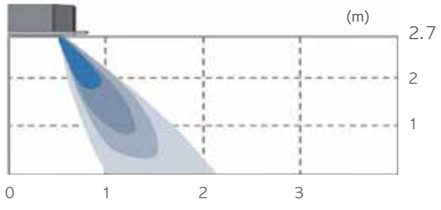
LG

HIGH CEILING MODE

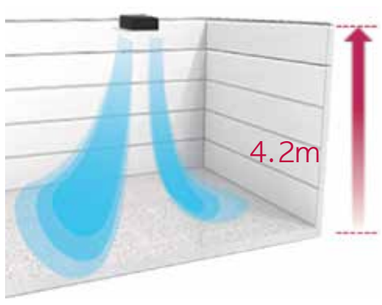
Air flow in a space with a 4.2 m ceiling height is possible with this indoor unit. Further, air flow can be strengthened by adjusting the fan speed.

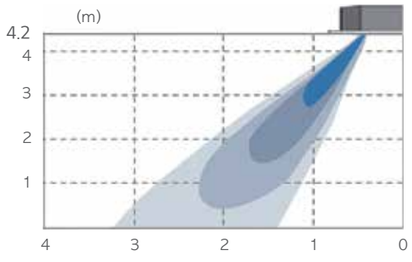
BASIC MODE





HIGH CEILING MODE





HIGH CEILING MODE SELECTION

Capacity	≤ 9.0 kW	〉9.0 kW	Mode Selection
Ceiling Height	H ≤ 2.3m	H ≤ 2.3m	Low Ceiling
	2.3m 〈 H ≤ 2.7m	2.7m 〈 H ≤ 3.2m	Standard
	2.7m 〈 H ≤ 3.1m	3.2m 〈 H ≤ 3.6m	High Ceiling
	3.1m 〈 H ≤ 3.6m	3.6m 〈 H ≤ 4.2m	Super High Ceiling

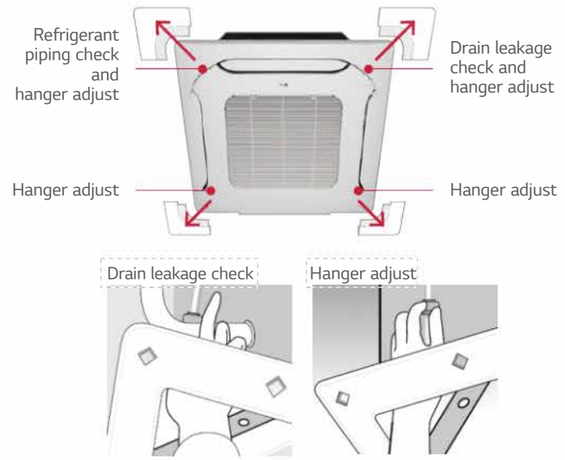
LG SMART INVERTER SINGLE CAC

INVERTER CASSETTE 4 WAY

CONVENIENT PANEL INSTALLATION

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

Detachable Corner Design



One Push Panel

INDEPENDENT CONTROL OF AIR FLOW

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

Indirect air flow

Direct air flow

※ Setting screen on the remote controller.

2-vane Control

1-vane Control

Volume Control

Angle Control

SPECIFICATIONS

INVERTER CASSETTE 4 WAY

*Wireless Remote Controller Included

U12 A Chassis | U18 A Chassis | U18 A Chassis

4 Way Cassette			Nominal Capacity	Tr	1.5 TR	1.5 TR(High Efficiency)	2.0 TR
Combination	Outdoor unit				ZTUQ18GPLA1	ZTUQ18GNLH1	ZTUQ24GNLA1
	Indoor unit				ZTNQ18GPLA1	ZTNQ18GNLH1	ZTNQ24GNLA1
Rated Capacity	Cooling		Min.~Rated~Max.	kW	1.55~ 5.15 ~ 5.46	1.58 ~ 5.27 ~ 6.0	2.02 ~ 6.75 ~ 7.08
Power Input	Cooling		Rated	kW	1.81	1.29	2.0
EER / COP				W / W	2.85	4.09	3.34
ISEER					3.95	5.25	4.35
ISEER Grade					3★	5★	3★
Indoor Unit							
Model Name				**Unit**	**ZTNQ18GPLA1**	**ZTNQ18GNLH1**	**ZTNQ24GNLA1**
Power Supply				V, Ø, Hz	230 ,1 , 50		
Air Flow Rate			H / M / L	m3/min	17.0 / 15.0 / 13.0	21.0 / 18.5 / 15.0	21.0 / 18.5 / 15.0
Fan Motor	Type				BLDC		
Sound Pressure Level	Cooling		H / M / L	dB(A)	40 / 36 / 33	40 / 35 / 29	40 / 35 / 29
Dimensions	Body		W x H x D	mm	840 x 204 x 840	840 x 246 x 840	840 x 246 x 840
Weight	Body			kg (lbs)	20.5(45.2)	23.5 (51.8)	23.6(52.0)
Piping Connections	Liquid Side			mm(inch)	Ø 6.35 (1/4)	Ø 6.35 (1/4)	Ø 9.52 (3/8)
	Gas Side			mm(inch)	Ø 12.7 (1/2)	Ø 12.7 (1/2)	Ø 15.88 (5/8)
	Drain Pipe		(O.D. / I.D.)	mm	Ø 32.0 / 25.0	Ø 32.0 / 25.0	Ø 32.0 / 25.0
Power and Communication Cable (included Earth)				No. x mm2 (AWG)	4C x 0.75 (18)	4C x 0.75 (18)	4C x 0.75 (18)
Decoration Panel	Model Name				PT-UMC2		
	Casing Colour				Morning Fog		
	Dimensions		W x H x D	mm	950 x 35 x 950		
	Net weight			kg (lbs)	5.0 (11.0)		
Outdoor Unit							
Model Name				**Unit**	**ZTUQ18GPLA1**	**ZTUQ18GNLH1**	**ZTUQ24GNLA1**
Power Supply				V, Ø, Hz	230 ,1 , 50		
Compressor	Type			-	Twin Rotary		
Heat Exchanger	Type (Coating)			-	Fin & Tube Type (Hydrophilic + Black Fin)		
Refrigerant	Type			-	R32		
	Control			-	Electronic Expansion Valve		
Fan Motor	Type				BLDC		
Sound Pressure Level	Cooling		Rated	dB(A)	50	54	54
Wiring Connections	Power Supply Cable (included Earth)			No. x mm2 (AWG)	3C x 1.5 (16)	3C x 1.5 (16)	3C x 1.5 (16)
Cicuit Breaker				A	16	16	16
Casing Colour				-	Warm Gray		
Dimensions			W x H x D	mm	717 x 483 x 230	770 x 545 x 288	770 x 545 x 288
Net Weight				kg (lbs)	24.9(54.9)	31.5 (69.4)	31.7 (69.9)
Piping Connections	Liquid		Outer Dia.	mm(inch)	Ø 6.35 (1/4)	Ø 6.35 (1/4)	Ø 9.52 (3/8)
	Gas		Outer Dia.	mm(inch)	Ø 12.7 (1/2)	Ø 12.7 (1/2)	Ø 15.88 (5/8)
Piping Length			Min. / Max.	m (ft)	5 (16.4) / 30 (98.4)	5 (16.4) / 30 (98.4)	5 (16.4) / 30 (98.4)
Maximum Height Difference	Outdoor Unit ~ Indoor Unit		Max.	m (ft)	15(49.2)	20 (65.6)	20 (65.6)
Operation Range (Outdoor Temperature)	Cooling		Min. ~ Max.	℃ DB	-5 ~ 52		

Accessories*			
Panel	 PT-UMC2	 PT-MCGW0	 PT-MPGW0
Dimension	950 x 35 x 950	950 x 35 x 950	
Human Detection Kit	-	PTVSMA0	
Air Purification Kit	-	-	PTAHMP0
Wi-Fi Module	PFWMDD200		
PI485	PFNFP14A1		

SPECIFICATIONS

INVERTER CASSETTE 4 WAY

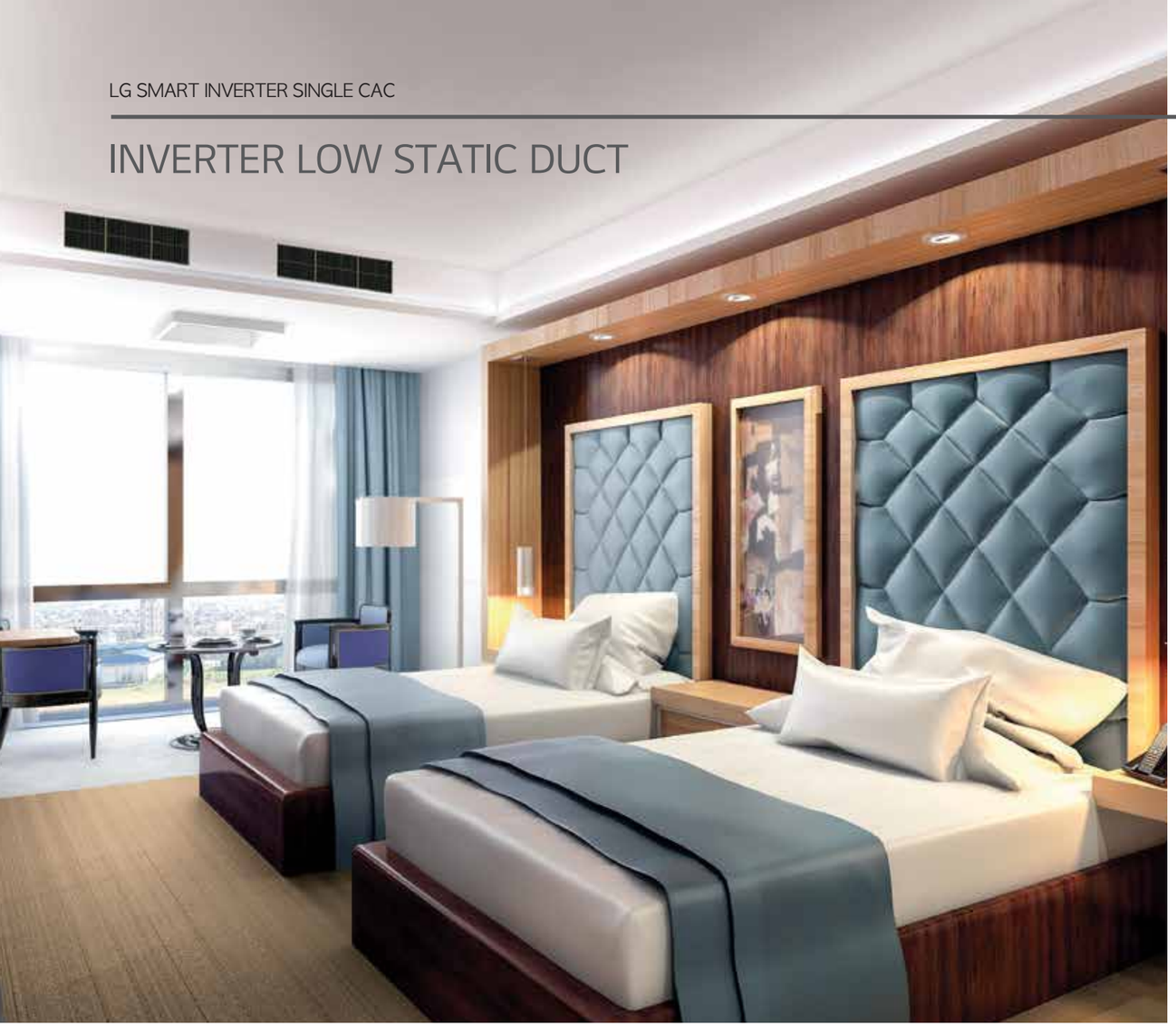
* Wireless Remote Controller Included

U24 A Chassis | U24 A Chassis | U36 A Chassis

4 Way Cassette			Nominal Capacity	Tr	2.0 TR(High Efficiency)	3.0 TR(High Efficiency)	4.0 TR(High Efficiency)
Combination	Outdoor unit				ZTUQ24GNLH1	ZTUQ36GNLH1	ZTUQ48GMLH2
	Indoor unit				ZTNQ24GNLH1	ZTNQ36GNLH1	ZTNQ48GMLH2
Rated Capacity	Cooling		Min.~Rated~Max.	kW	2.11 ~ 7.05 ~ 7,74	3.16 ~ 10.55 ~ 11.08	4.2 ~ 14.07 ~ 14.7
Power Input	Cooling		Rated	kW	1.73	3.45	4.8
EER / COP				W / W	4.08	3.06	2.93
ISEER					5.25	4.20	4.20
ISEER Grade					5★	5★	5★
Indoor Unit							
Model Name				**Unit**	ZTNQ24GNLH1	ZTNQ36GNLH1	ZTNQ48GMLH2
Power Supply				V, Ø, Hz	230 ,1 , 50		
Air Flow Rate			H / M / L	m3/min	21.0 / 18.5 / 15.0	25.0 / 22.0 / 19.0	27.0 / 23.0 / 19.0
Fan Motor	Type				BLDC		
Sound Pressure Level	Cooling		H / M / L	dB(A)	40 / 35 / 29	45 / 41 / 37	46 / 42 /37
Dimensions	Body		W x H x D	mm	840 x 246 x 840	840 x 246 x 840	840 x 288 x 840
Weight	Body			kg (lbs)	23.6(52.0)	23.6(52.0)	26.1 (57.5)
Piping Connections	Liquid Side			mm(inch)	Ø 9.52 (3/8)	Ø 9.52 (3/8)	Ø 9.52 (3/8)
	Gas Side			mm(inch)	Ø 15.88 (5/8)	Ø 15.88 (5/8)	Ø 15.88 (5/8)
	Drain Pipe		(O.D. / I.D.)	mm	Ø 32.0 / 25.0	Ø 32.0 / 25.0	Ø 32.0 / 25.0
Power and Communication Cable (included Earth)				No. x mm2 (AWG)	4C x 0.75 (18)	4C x 0.75 (18)	4C x 0.75 (18)
Decoration Panel	Model Name				PT-UMC2		
	Casing Colour				Morning Fog		
	Dimensions		W x H x D	mm	950 x 35 x 950		
	Net weight			kg (lbs)	5.0 (11.0)		
Outdoor Unit							
Model Name				**Unit**	ZTUQ24GNLH1	ZTUQ36GNLH1	ZTUQ48GMLH2
Power Supply				V, Ø, Hz	230 ,1 , 50		
Compressor	Type			-	Twin Rotary		
Heat Exchanger	Type (Coating)			-	Fin & Tube Type (Hydrophilic + Black Fin)		
Refrigerant	Type			-	R32		
	Control			-	Electronic Expansion Valve		
Fan Motor	Type				BLDC		
Sound Pressure Level	Cooling		Rated	dB(A)	54	54	57
Wiring Connections	Power Supply Cable (included Earth)			No. x mm2 (AWG)	3C x 2.5 (14)	3C x 2.5 (14)	3C x 4.0 (12)
Cicuit Breaker				A	25	25	32
Casing Colour				-	Warm Gray		
Dimensions			W x H x D	mm	870 x 650 x 330	870 x 650 x 330	950 x 834 x 330
Net Weight				kg (lbs)	41.5 (91.4)	41.5 (91.4)	61.5 (135.6)
Piping Connections	Liquid		Outer Dia.	mm(inch)	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 15.88 (5/8)
Piping Length			Min. / Max.	m (ft)	5 (16.4) / 50 (164.0)	5 (16.4) / 50 (164.0)	5 (16.4) / 50 (164.0)
Maximum Height Difference	Outdoor Unit ~ Indoor Unit		Max.	m (ft)	30 (98.4)	30 (98.4)	30 (98.4)
Operation Range (Outdoor Temperature)	Cooling		Min. ~ Max.	℃ DB	-5 ~ 52		

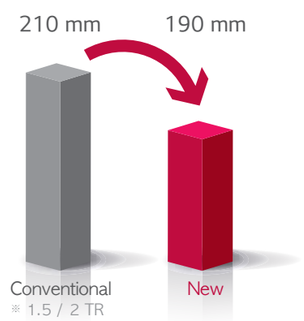
Note:
Performances are based on the following condition:
- Cooling: Indoor Ambient Temp. 27° CDB/19°CWB, Outdoor Ambient Temp. 35°CDB/24°CWB
- Interconneced Pipe Length is 7.5m and difference of Elevation (Outdoor ~ Indoor Unit) is 0m.
- *: To use function, correct combination of panel and accessory need to be purchased (Refer to panel info)

INVERTER LOW STATIC DUCT



MINIMISED HEIGHT

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

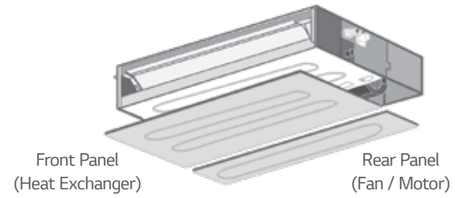


LG SMART INVERTER SINGLE CAC

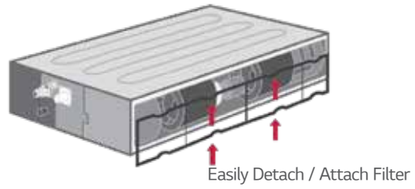
INVERTER LOW STATIC DUCT

EASY SERVICE & MAINTENANCE

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



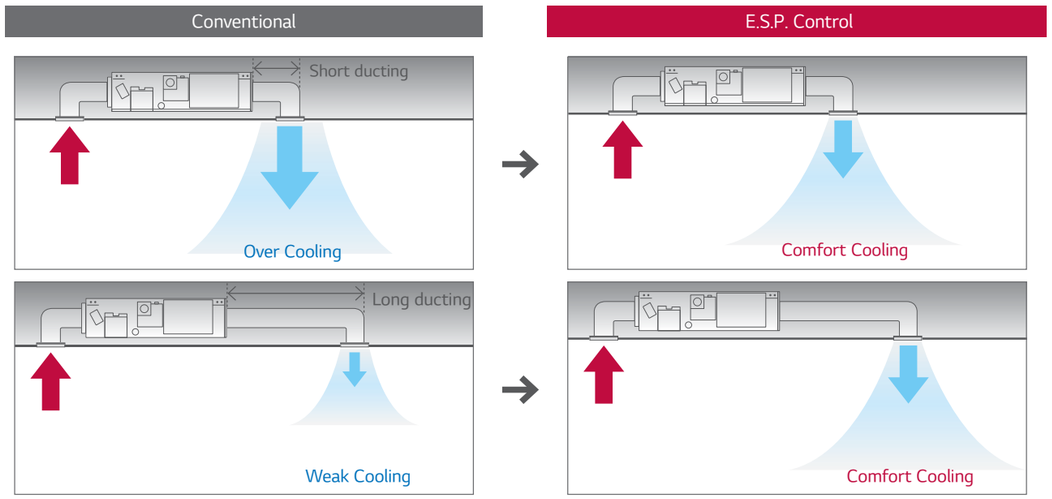
Selective panel separation



Easily detachable filter

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

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

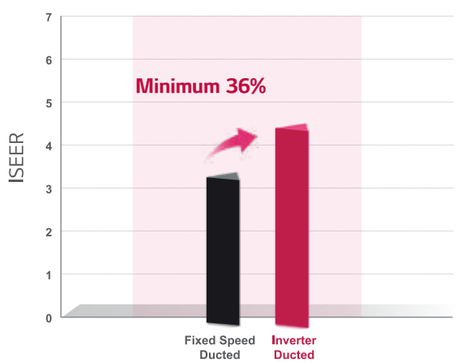


INVERTER HIGH STATIC DUCT

HIGH ENERGY EFFICIENCY

The new inverter ducted units perform at much higher energy efficiency than conventional ducted splits. It is because they comprise of Inverter drives, BLDC motors, Electronic expansion valves and other efficiency components.

A comparison of the 2 systems is given below:



* ISEER value is simulated data as per BEE ISEER Regulation

LG SMART INVERTER SINGLE CAC

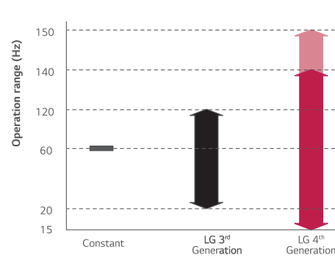
INVERTER HIGH STATIC DUCT

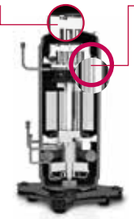
HIGH ENERGY EFFICIENCY AT PART LOADS

Low load operation efficiency is improved by concentration coil and motor and 6 by-pass valves.

6 by-pass valves

- Compressor reliability is maximised with 6 by-pass valves
- Prevents compressor damage due to excessively compressed refrigerant more efficient than 4 by-pass valves



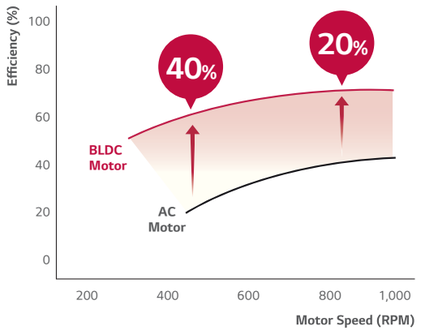


Extended Compressor Speed 150Hz

- Rapid operation response
- Capable of reaching required temperature quickly
- Increases part load efficiency

HIGHER EFFICIENCY WITH BRUSHLESS DC (BLDC) MOTORS

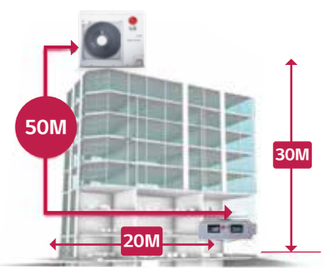
BLDC motors are more efficient than conventional AC motors used by others. BLDC motors are about 40% more efficient at lower speeds and about 20% more efficient at higher speeds.



LONG DISTANCE PIPING

The inverter ducted units are designed for a 30 m vertical height and a total refrigerant piping distance of 50 m between the indoor and outdoor units.

The units are, thus, suitable for tall and glass facade buildings.



SPECIFICATIONS

INVERTER LOW STATIC DUCT

* Wireless Remote Controller Included

U18 A Chassis

U24 A Chassis

Low Static Duct		Nominal Capacity	Tr	1.5 TR	2.0 TR
Combination	Outdoor unit			ZBUQ18GL5A1	ZBUQ24GL6A1
	Indoor unit			ZBNQ18GL5A1	ZBNQ24GL6A1
Rated Capacity	Cooling	Min. ~ Rated ~ Max.	kW	1.58 ~ 5.27 ~ 6.00	2.11 ~ 7.05 ~ 7.74
Power Input	Cooling	Rated	kW	1.64	2.15
EER / COP			W / W	3.21	3.28
Indoor Unit					
Model Name			**Unit**	**ZBNQ18GL5A1**	**ZBNQ24GL6A1**
Power Supply			V , Ø , Hz	230 ,1 , 50	
Air Flow Rate		H / M / L	m³/min	15.0 / 12.5 / 10.0	20.0 / 16.0 / 12.0
Fan Motor	Type			BLDC	
Sound Pressure Level	Cooling	H / M / L	dB(A)	36 / 34 / 31	39 / 35 / 32
Exterior	Colour		-	Steel Gray	
Dimensions		W x H x D	mm	900 x 190 x 460	1,100 x 190 x 460
Net Weight			kg	19.7	22.0
Shipping Weight			kg	23.6	26.2
Piping Connections	Liquid Side		mm (inch)	Ø 6.35 (1/4)	Ø 9.52 (3/8)
	Gas Side		mm (inch)	Ø 12.7 (1/2)	Ø 15.88 (5/8)
	Drain Pipe	O.D. / I.D.	mm	Ø 32.0 / 25.0	Ø 32.0 / 25.0
Outdoor unit					
Model Name			**Unit**	**ZBUQ18GL5A1**	**ZBUQ24GL5A1**
Power Supply			V, Ø, Hz	230 ,1 , 50	
Compressor	Type		-	Twin Rotary	
Heat Exchanger	Type (Coating)		-	Fin & Tube Type (Hydrophilic + Black Fin)	
Refrigerant	Type		-	R32	
	Control		-	Electronic Expansion Valve	
Fan Motor	Type			BLDC	
Sound Pressure Level	Cooling	Rated	dB(A)	54	54
Wiring Connections	Power Supply Cable (included Earth)		No. x mm2 (AWG)	3C x 1.5 (14)	3C x 2.5 (12)
Cicuit Breaker			A	16	25
Casing Colour			-	Warm Gray	
Dimensions		W x H x D	mm	770 x 545 x 288	870 x 650 x 330
Net Weight			kg (lbs)	31.5 (69.4)	41.5 (91.4)
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		Min. / Max.	m (ft)	5 (16.4) / 30 (98.4)	5 (16.4) / 50 (164.0)
Maximum Height Difference	Outdoor Unit ~ Indoor Unit	Max.	m (ft)	20 (65.6)	30 (98.4)
Operation Range (Outdoor Temperature)	Cooling	Min. ~ Max.	℃ DB	-5 ~ 52	
Accessories*					
Wi-Fi Module				PWFMDD200	
PI485				PMNFP14A1	

Note:
Performances are based on the following condition:
- Cooling: Indoor Ambient Temp. 27° CDB/19°CWB, Outdoor Ambient Temp. 35°CDB/24°CWB
- Interconneced Pipe Length is 7.5m and difference of Elevation (Outdoor ~ Indoor Unit) is 0m.

SPECIFICATIONS

INVERTER HIGH STATIC DUCT

* Wired Remote Controller Included

U4 Chassis

U3 Chassis

U7 Chassis

High Static Duct		Nominal Capacity	Tr	5.5 TR	8.5 TR	11 TR
Combination	Outdoor unit			JBUQ66LRA0	JBUQ102L8A0	JBUQ132L8A0
	Indoor unit			JBNQ66LRA0	JBNQ102L8A0	JBNQ132L8A0
Rated Capacity	Cooling	Min.~Rated~Max.	kW	5.27 ~ 17.58 ~ 19.34	8.44 ~ 28.13 ~ 30.95	10.54 ~ 35.16 ~ 38.67
Power Input	Cooling	Rated	KW	5.24	8.5	10.0
EER / COP			W / W	3.35	3.31	3.52
Indoor Unit						
Model Name			**Unit**	**JBNQ66LRA0**	**JBNQ102L8A0**	**JBNQ132L8A0**
Power Supply			V / Ø / Hz	220-240 / 1 / 50		
Air Flow Rate		H / M / L	m3/min	58.0 / 52.0 / 46.0	90.0 / 78.0 / 65.0	113.0 / 100.0 / 89.0
		H / M / L	ft3/min	2,048 / 1,836 / 1,624	3,178 / 2,755 / 2,295	3,991 / 3,531 / 3,143
Fan Motor	Type		-	BLDC		
Sound Pressure Level		H / M / L	dB(A)	45 / 43 / 41	47 / 45 / 43	49 / 47 / 45
Dimensions	Body	W x H x D	mm	1,230×380×590	1,562×460×688	1,562×460×688
Net Weight	Body		kg (lbs)	48 (105.82)	85 (187.39)	89 (196.21)
Piping Connections	Liquid		mm(inch)	Ø 9.52	Ø 9.52	Ø 12.7
	Gas		mm(inch)	Ø 19.05	Ø 22.2	Ø 22.2
	Drain (O.D. / I.D.)		mm	Ø 32.0 / 25.0	Ø 32.0 / 25.0	Ø 32.0 / 25.0
Outdoor unit						
Model Name			**Unit**	**JBUQ66LRA0**	**JBUQ102L8A0**	**JBUQ132L8A0**
Power Supply			V / Ø / Hz	415 / 3 / 50		
Compressor	Type		-	Twin Rotary	Scroll	
Heat Exchanger	Type (Coating)			Fin & Tube Type (Hydrophilic + Black Fin)		
Refrigerant	Type		-	R410A		
	Control		-	Electronic Expansion Valve		
Fan Motor	Type			BLDC		
	Output		W x No.	124 x 1	124 x 2	250 x 2
Sound Pressure Level	Cooling	Rated	dB(A)	55	57	63
Wiring Connections	Power Supply Cable (included Earth)		No. x mm2 (AWG)	5C x 2.5 (12)	5C x 4.0 (10)	5C x 6.0 (8)
	Power Cable (ODU-IDU)/Communication Cable		No. x mm2	4C x 0.75	4C x 0.75	4C x 0.75
Dimensions		W x H x D	mm	950 × 834 × 330	950×1,380×330	1,090 × 1,625 × 380
		W x H x D	inch	32-27/32 x 37-13/32 x 13	37-13/32 x 54-11/32 x 13	42-29/32 x 63-31/32 x 14-31/32
Net Weight			kg (lbs)	70 (154.3)	108 (238.1)	150 (330.7)
Piping Connections	Liquid	Outer Dia.	mm(inch)	Ø 9.52	Ø 9.52	Ø 12.7
	Gas	Outer Dia.	mm(inch)	Ø 19.05	Ø 22.2	Ø 22.2
Piping Length		Max.	m (ft)	50 (164.0)	50 (164.0)	50 (164.0)
Maximum Height Difference	Outdoor Unit ~ Indoor Unit	Max.	m (ft)	30 (98.4)	30 (98.4)	30 (98.4)
Operation Range (Outdoor Temperature)	Cooling	Min. ~ Max.	℃ DB	-5 ~ 53		
Accessories*						
Wi-Fi Module				PWFMDD200		
PI485				PMNFP14A1		
Note :						

Note:
Performances are based on the following condition:
- Cooling: Indoor Ambient Temp. 27° CDB/19°CWB, Outdoor Ambient Temp. 35°CDB/24°CWB
- Interconneced Pipe Length is 7.5m and difference of Elevation (Outdoor ~ Indoor Unit) is 0m.

INVERTER FLOOR STANDING

DISTANT AIRFLOW PERFORMANCE

• 10m long distance airflow • 10m windblast sends cool air to all corners of the room

INVERTER FLOOR STANDING

POWER COOLING

Pressure control takes less time to reach the desired temperature up to **30%** in cooling with high level of accuracy and stability.

Conventional

Temperature Sensor Only

Step 1

Sensing current temperature of refrigerant, indoor and outdoor temperature

Step 2

Estimating Pressure

Finding recorded target pressure to operate compressor, based on the corresponding temperature data

This algorithm is more likely to be affected by temperature change and it takes more time to calculate proper operation range of compressor to target point.

LG Inverter

Temperature Sensor + Pressure Sensor

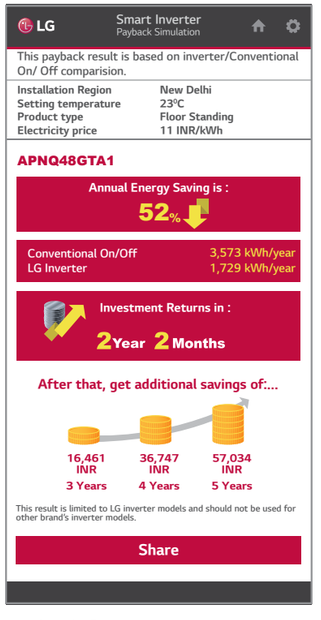
Step 1

Sensing refrigerant pressure and temperature simultaneously to make sure compressor is ready for target cooling operation

This ensures to reach target performance point without failing to keep a reliable operation.

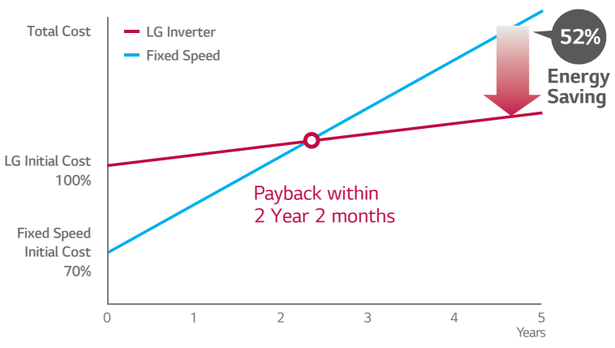
Direct Sensing

PAY BACK



Payback for 4Tr
Inverter Floor Standing

SUPER ENERGY SAVING

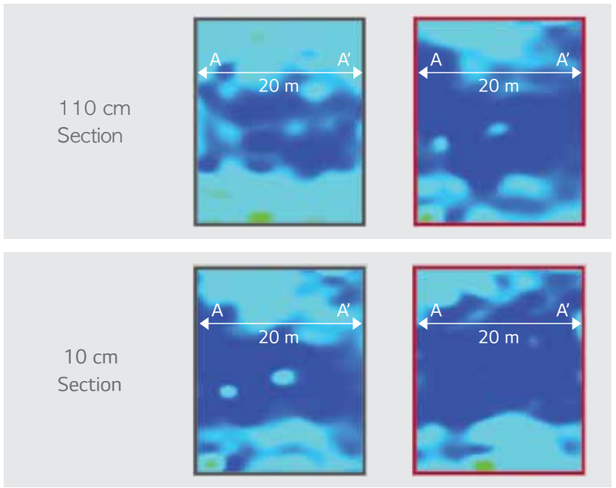


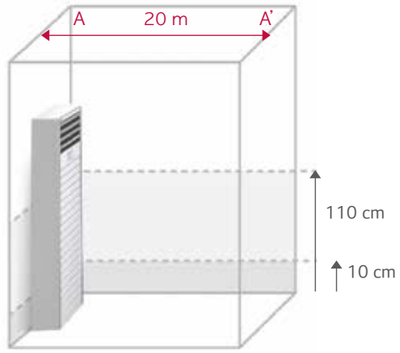
※ Under In-house test conditions as per ISEER, while comparing with conventional Air Conditioner (4.0TR) available in the market, by running on 14hrs/day for 245 days, calculating the electricity charges @ ₹11INR p/KW-Hr.

EXCELLENT COOLING PERFORMANCE

Power cooling function provides the optimal air flow angle, guaranteeing a faster and higher cooling performance.

Powerful & Even Air Distribution

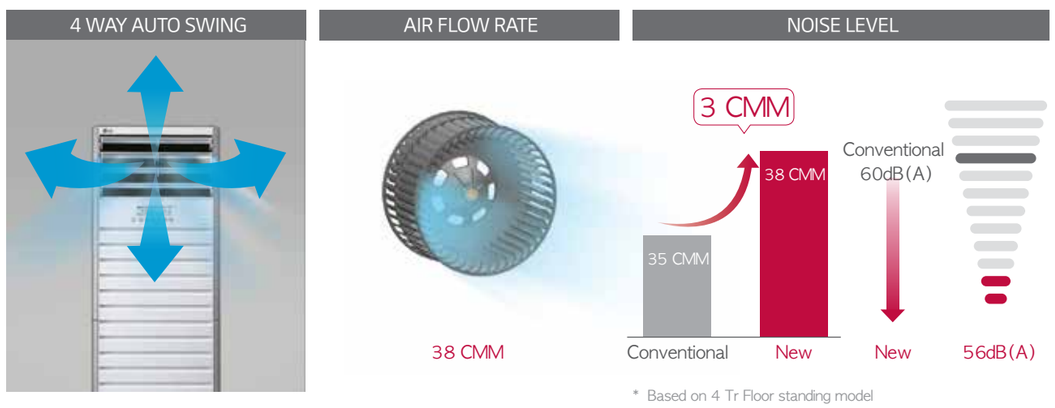




※ Indoor : 33℃ → 24℃ / Outdoor : 46℃

4 WAY AUTO SWING (NEW FAN TECHNOLOGY)

Using new fan technology, LG provides strong air flow rate and low noise level.



* Based on 4 Tr Floor standing model

SPECIFICATIONS

INVERTER FLOOR STANDING

* Wireless Remote Controller Included

U4 Chassis

Floor Standing (Tower)		Nominal Capacity	Tr	4 TR
Combination	Outdoor			AUUQ48LH1
	Indoor			APNQ48GTA1
Rated Capacity	Cooling	Min.-Rated-Max.	kW	5.67 ~ 14.07 ~ 14.95
Power Input	Cooling	Rated	KW	4.42
EER / COP			W / W	3.18
Indoor Unit				
Model Name			**Unit**	**APNQ48GTA1**
Power Supply			V / Ø / Hz	230, 1, 50
Air Flow Rate		SH / H / M / L	m3/min	38.0 / 32.0 / 28.0 / 24.0
		SH / H / M / L	ft3/min	1,342 / 1,130 / 989 / 848
Fan Motor	Type		-	BLDC
Sound Pressure Level		SH / H / M / L	dB(A)	56 / 53 / 50 / 47
Dimensions	Body	W x H x D	mm	590 × 1,840 × 460
Net Weight	Body		kg (lbs)	49.0 (108.0)
Piping Connections	Liquid		mm(inch)	Ø 9.52 (3/8)
	Gas		mm(inch)	Ø 15.88 (5/8)
	Drain (O.D. / I.D.)		mm	Ø 21.0 / 17.0
Outdoor unit				
Model Name			**Unit**	**AUUQ48LH1**
Power Supply			V , Ø , Hz	380-415, 3, 50
Compressor	Type		-	Twin Rotary
Heat Exchanger	Type (Coating)		-	Fin & Tube Type (Hydrophilic + Gold Fin)
Refrigerant	Type		-	R410A
	Control		-	Electronic Expansion Valve
Fan Motor	Type			BLDC
Sound Pressure Level	Cooling	Rated	dB(A)	56
Wiring Connections	Power Supply Cable (included Earth)		No. x mm2 (AWG)	5C x 2.5 (12)
Casing Color			-	Warm Gray
Dimensions		W x H x D	mm	950 × 834 × 330
Net Weight			kg (lbs)	67.0 (147.7)
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 (ft)	50 (164.0)
Maximum Height Difference	Outdoor Unit – Indoor Unit	Max.	m (ft)	30 (98.4)
Operation Range (Outdoor Temperature)	Cooling	Min. ~ Max.	℃ DB	-5 ~ 48
Accessories*				
PI485				PMNFP14A1
Note :				

Note:
Performances are based on the following condition:
- Cooling: Indoor Ambient Temp. 27° CDB/19°CWB, Outdoor Ambient Temp. 35°CDB/24°CWB
- Interconneced Pipe Length is 7.5m and difference of Elevation (Outdoor ~ Indoor Unit) is 0m.

CONTROL SOLUTION

CENTRAL CONTROL SOLUTION

AC Ez Touch

- 5" Touch controller
- PI485GW required
- Individual controller lock
- Yearly schedule
- Max 64 indoor unit

PACEZA000

INDIVIDUAL CONTROLLER

Standard III

- 4.3" colour display with a modern design
- Soft touch button
- Yearly schedule

PREMTB100

DRY CONTACT SOLUTION

Dry Contact

- 1 or 2 contact input
- With 3rd party thermostat
- With automation system

PDRYCB320

CONTROL SOLUTION

CONTROLLER LINE UP

Smart management for a variety of usages.

CENTRAL CONTROLLER

ACP 5

PACP5A000

- Max. 256 unit
- PC, Smartphone, Tablet control
- Yearly schedule
- BACnet / Modbus gateway
- Individual controller lock
- Operation log
- Floor map view

AC Smart 5

PACS5A000

- Max. 128 unit
- 10.2" touch
- Yearly schedule
- BACnet / Modbus gateway
- Individual controller lock
- Operation log
- Floor map view

AC Ez Touch

PACEZE000

- Max. 64 unit
- 5" touch
- Yearly schedule
- Individual controller lock
- Operation log

INDIVIDUAL CONTROLLER

Standard

PQRCVCL0QW1

Standard III

PREMTB100
(4.3" colour)

Premium

PREMTA000
(5" touch colour)

Wireless R/C

PQWRHQ0FDB

Wi-Fi Modem

PWFMDD200
(For Indoor Unit)

BMS PROTOCOL GATEWAY

ACP LonWorks

PLNWKB000
(Indoor Unit -64)

ETC. ACCESSORIES

Dry Contact

PDRYCB320
PDRYCB400

PI 485

PMNFP14A1
(For Outdoor Unit)