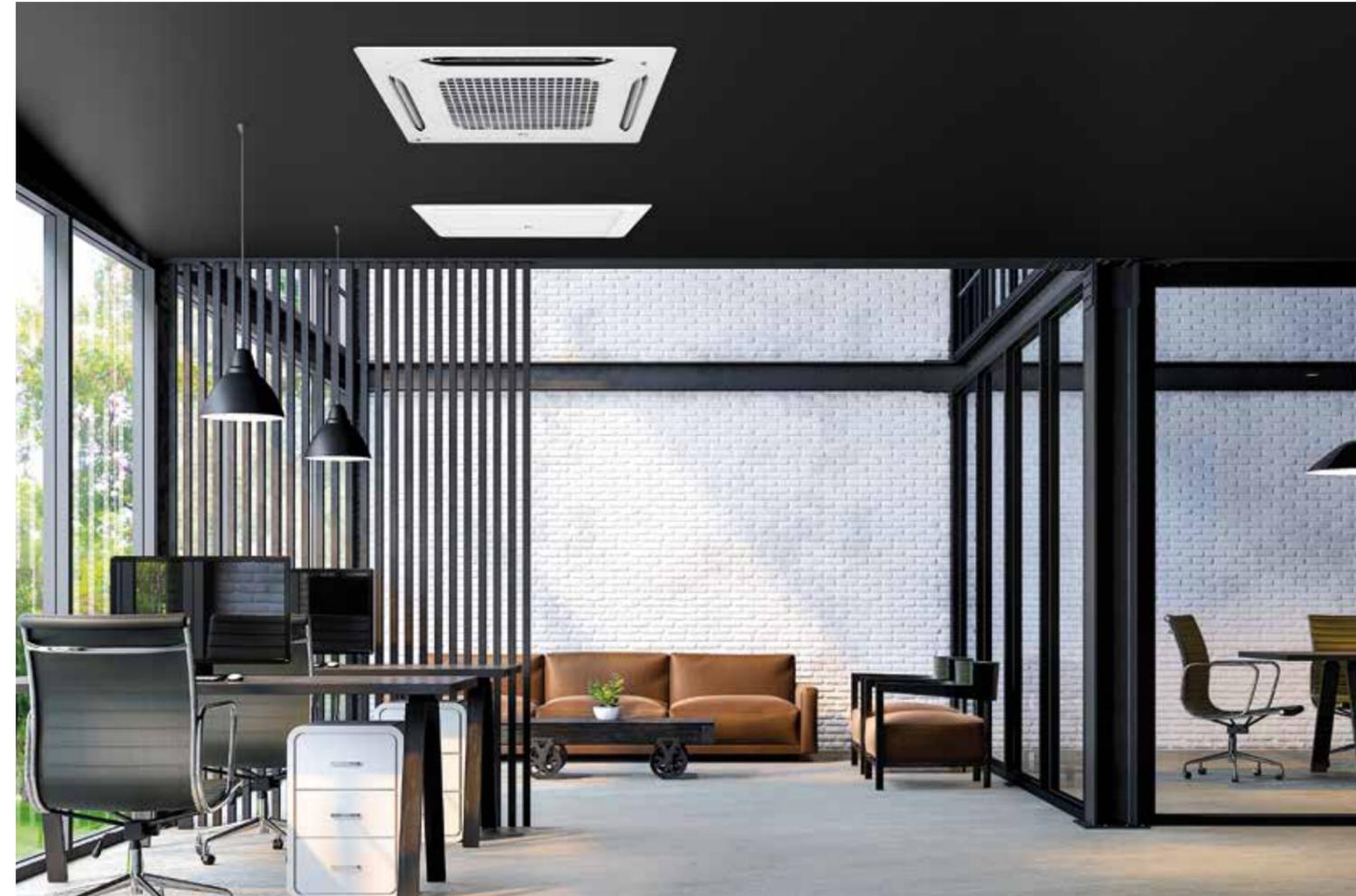




SYSTEM
AIR CONDITIONING

LIGHT COMMERCIAL AIR CONDITIONING PRODUCTS



LG SAC CUSTOMER CARE

1800-180-3575 (Service Toll Free) | www.lg.com/in | 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, please write to sac.marketing@lge.com



Regd. Office: LG Electronics India Pvt. Ltd., A-24/6, Mohan Cooperative Industrial Estate, Mathura Road, New Delhi-110044

CIN No. U32107DL1997PTC220109

Please contact us at North: 9717117716, South: 7824805486, East: 7875759665, West: 9923108310

Images shown are for representation purposes only, actual product image may vary as per continuous product enhancement.

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

Life's Good.

CONTENTS



LG Air Solution 04

Core Benefits of LG Smart Inverter Single CAC 05

- Energy Efficiency • Black Fin Protection • Air Purification • Human Detection • Smart Control

Line up 06

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 academies located at Greater Noida, Pune, Bangalore and Mumbai. 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.

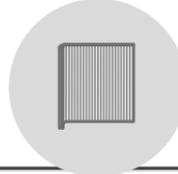
CORE BENEFITS

- 

1 ENVIRONMENTAL FRIENDLY & ENERGY EFFICIENCY

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


- 

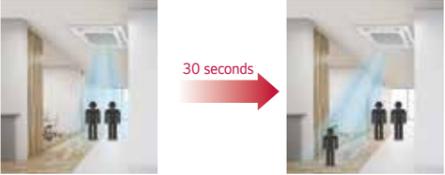
3 AIR PURIFICATION

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

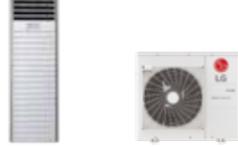
LG Single CAC responds to diverse building environments with LG ThinQ-based AI control and individual/central integrated control solutions.



LINE UP



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

	4.0 T	5.5 T	8.5 T	11.0 T
	 5★			
				
				

ENVIRONMENTAL FRIENDLY & ENERGY EFFICIENCY

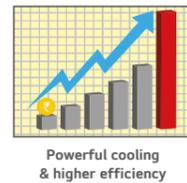
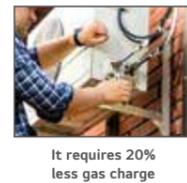
ENVIRONMENTAL FRIENDLY



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



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

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.

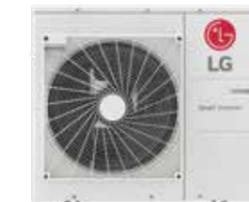
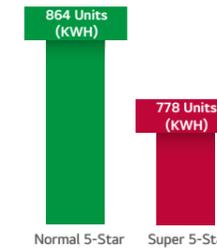
BENEFITS

- 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



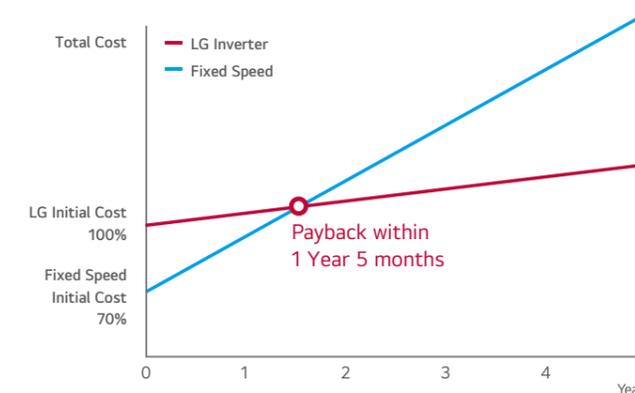
Less Energy Consumption



LG Super 5-Star Inverter (1.5 T)

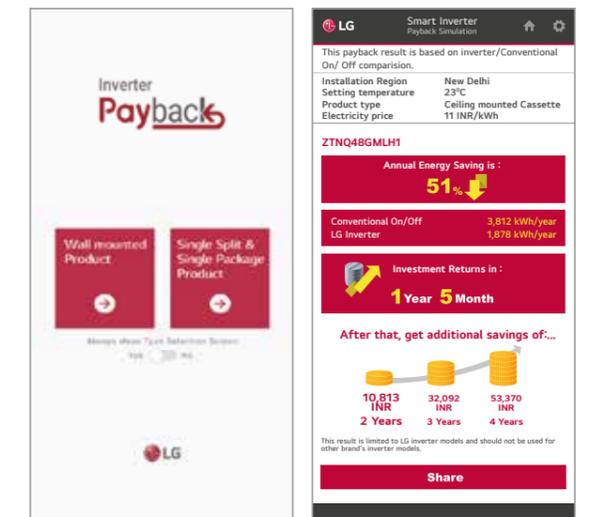
PAY BACK

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



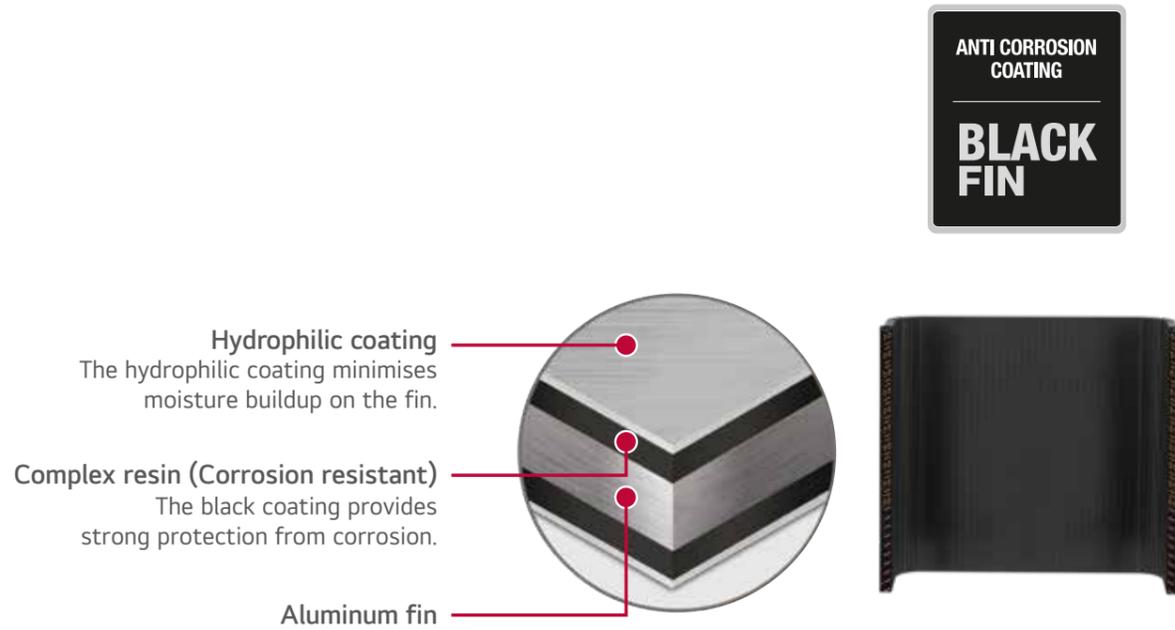
Capacity : 4 T Ceiling Mounted Cassette
 Operating time : 08:00-22:00
 Cooling partial load and power consumption calculated based on yearly weather data (Target indoor temperature : 23°C) India (Delhi)

※ 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).



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

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, TÜV.



※ 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

Linear Movement

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

HI-GROOVED COPPER TUBE

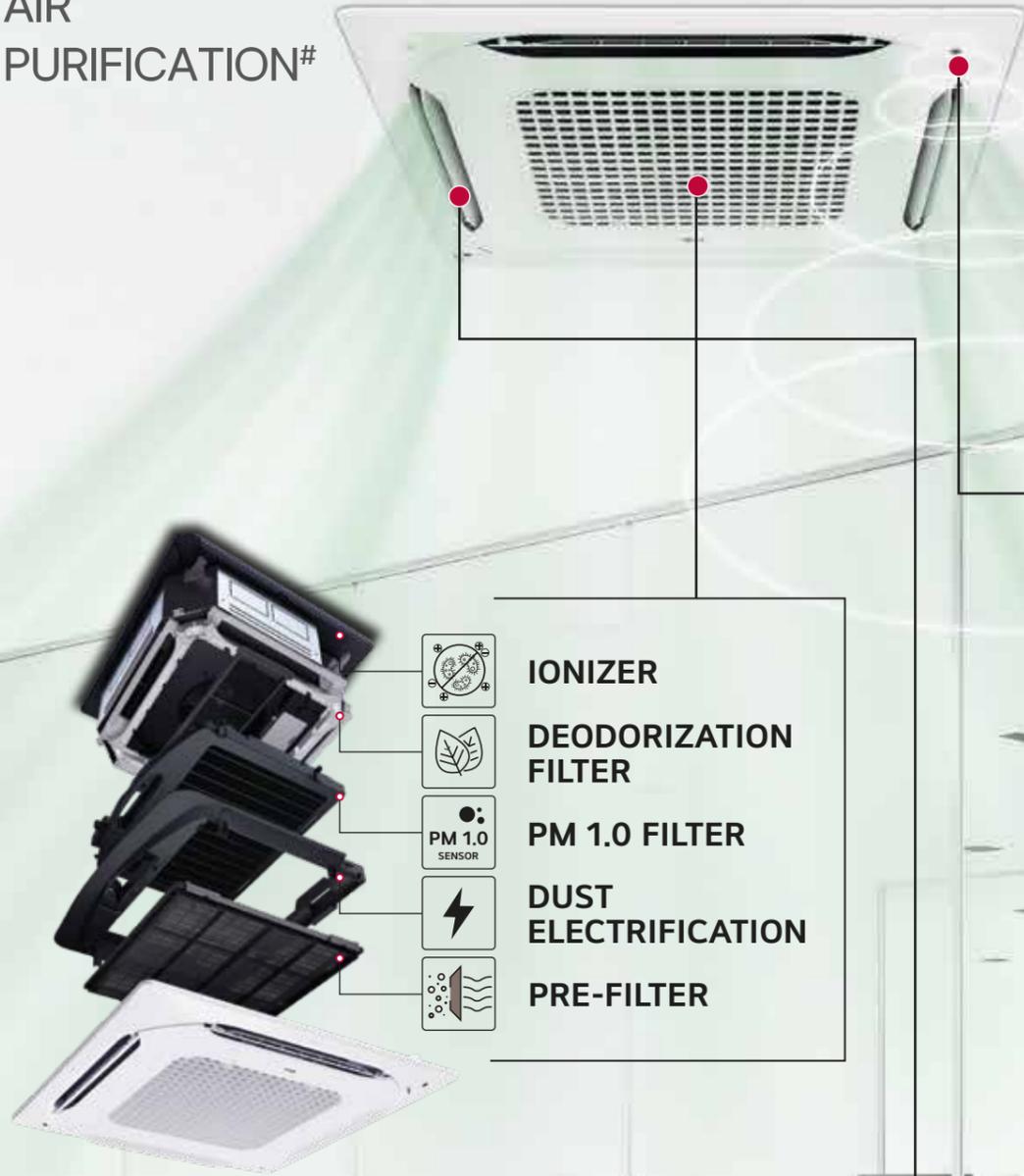
Refrigerant Flow in Hi-Grooved Copper Pipe

Oscillatory Movement

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

AIR PURIFICATION#

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

Real Time Air Quality Monitoring



Mobile device



Remote controller



Indoor unit smart indicator

Optional

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

SMART CONTROL

LG ThinQ™

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



Simple operation for various functions

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

※ Search "LG ThinQ™" on Google market or App store then download the app.
 ※ Wi-Fi modem (PWFMD200) is required by option.
 ※ In some countries, use of the google assistant system may be restricted.

INVERTER CASSETTE 1 WAY



MOBILE LG MV

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



REDDOT AWARD WINNING DESIGN ENHANCES LUXURY HOUSE INTERIOR

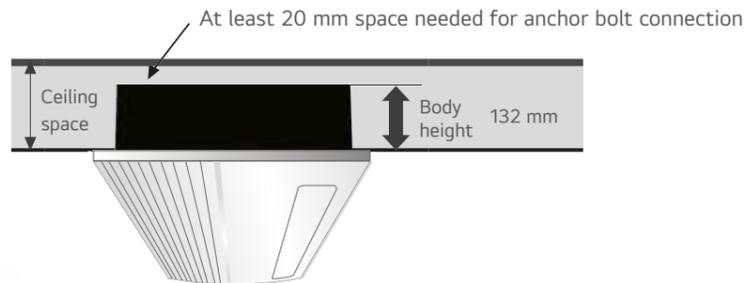
Compact and round shaped panel brings excellent fit to ceiling.



*2016 & 2022

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.



COMFORT COOLING (DIRECT / INDIRECT WIND)

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



SPECIFICATIONS

INVERTER 1 WAY CASSETTE



1 Way Cassette				Unit	1.0T	1.5T	2.0T	
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 - 5.2 - 6.0	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★	3★	3★	
Indoor Unit				Model Name	Unit	ZTNQ12GULA1	ZTNQ18GTLA1	ZTNQ24GTLA1
Power Supply				V, ∅, Hz	230, 1, 50			
Air Flow Rate				H / M / L	9 / 8 / 7	16/14/12	16/14/12	
				CFM	318 / 283 / 247	565 / 494 / 424	565 / 494 / 424	
Fan Motor				Type	BLDC			
Sound Pressure Level				H / M / L	37 / 36 / 33	46/43/39	46/43/39	
Dimensions	Net	W x H x D		mm	860 x 132 x 450	1180 x 132 x 450	1180 x 132 x 450	
	Weight	Net		kg	11.3	14.2	14.2	
Piping Connections	Liquid Side			mm	∅ 6.35(1/4)	∅ 6.35(1/4)	∅ 9.52(3/8)	
	Gas Side			mm	∅ 9.52(3/8)	∅ 12.7(1/2)	∅ 15.88(5/8)	
	Drain Pipe	O.D. / I.D.		mm	∅ 32 / 25	∅ 32 / 25	∅ 32 / 25	
Power and Communication Cable (included Earth)				No. x mm2 (AWG)	4C x 1.0(18)	4C x 1.0(18)	4C x 1.0(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, ∅, 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(14)	3C x 1.5(14)	3C x 2.5(12)	
Circuit 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	24.9	31.5	41.5	
Piping Connections	Liquid	Outer Dia.		mm	∅ 6.35 (1/4)	∅ 6.35 (1/4)	∅ 9.52 (3/8)	
	Gas	Outer Dia.		mm	∅ 9.52 (3/8)	∅ 12.7 (1/2)	∅ 15.88 (5/8)	
Piping Length	Min. / Max.			m	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	15 (49.21)	20(65.6)	30(98.4)	
Operation Range (Outdoor Temperature)	Cooling	Min. - Max.		°C 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 • Interconnected Pipe Length is 7.5mm and difference of Elevation (Outdoor-Indoor Unit) in 0m.

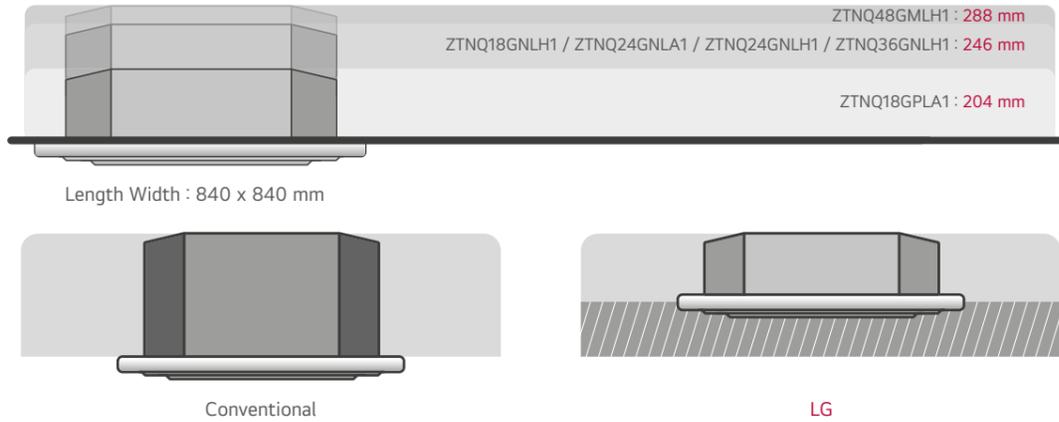
*To use function, correct combination of panel and accessory need to be purchased (Refer to panel info)

Accessories	12k TU Chassis	18k TT Chassis	24k TT Chassis
1 Way CST Panel for Air Purification kit (Glossy finish)	PT-JPHG0	PT-TPHG0	
Dimensions	1,160 x 34 x 500		1480 X 34 X 500
Human Detection kit	-		
Air Purification Kit	PTAHTP0		
Wi-Fi Module	PWFMD200		
PI 485	PMNFP14A1		

INVERTER CASSETTE 4 WAY

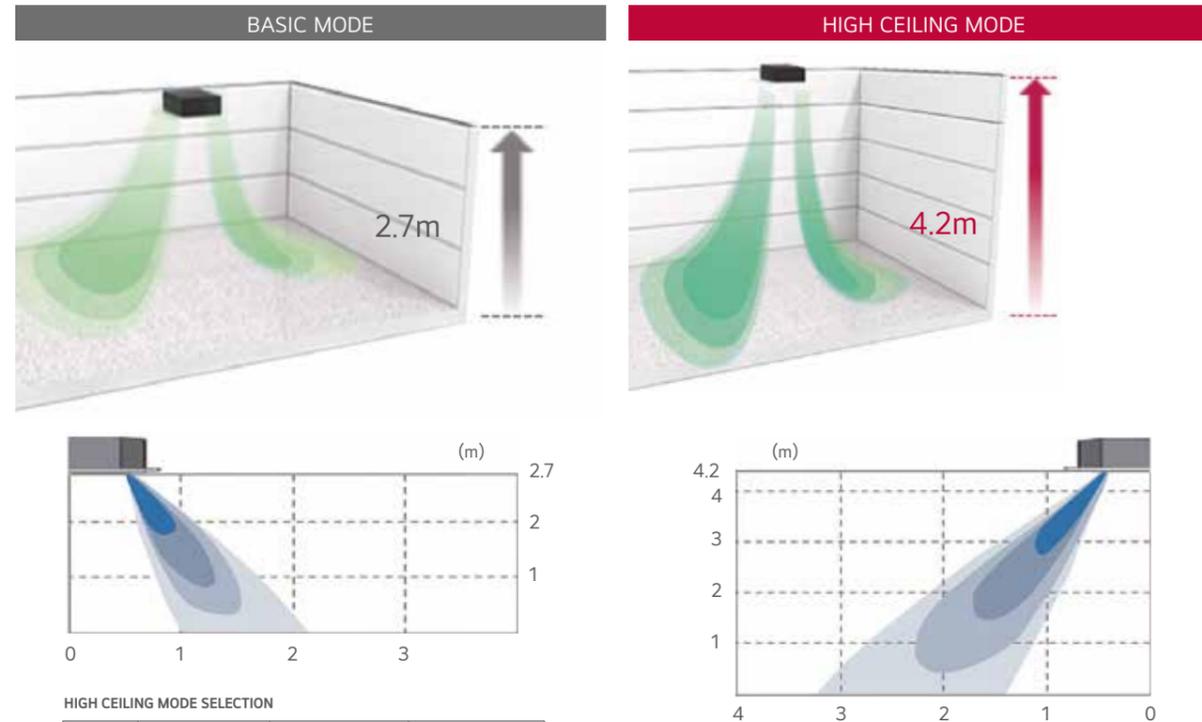
COMPACT SIZE

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.



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.



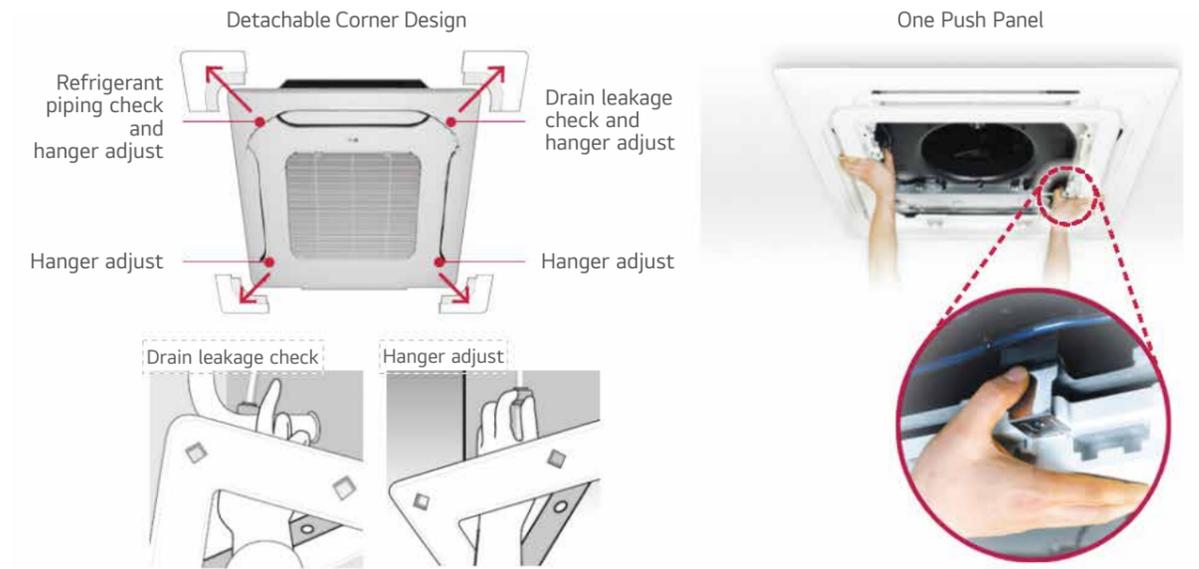
HIGH CEILING MODE SELECTION

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

INVERTER CASSETTE 4 WAY

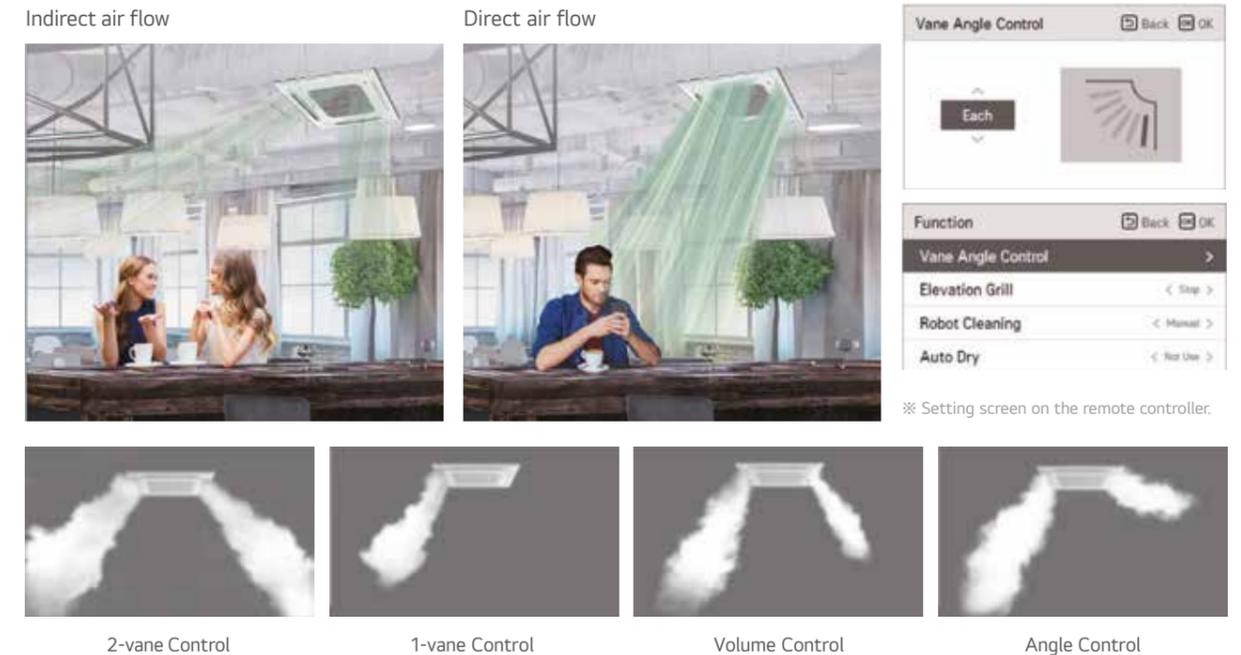
CONVENIENT PANEL INSTALLATION

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.



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°.



SPECIFICATIONS

INVERTER CASSETTE 4 WAY



4 Way Cassette				Unit		
Combination	Outdoor unit			1.5T	1.5T (High Efficiency)	2.0T
	Indoor unit			ZTUQ18GPLA1	ZTUQ18GNLH1	ZTUQ24GNLA1
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				Unit		
Model Name	Unit			ZTNQ18GPLA1	ZTNQ18GNLH1	ZTNQ24GNLA1
Power Supply	V, Ø, Hz			230, 1, 50		
Air Flow Rate	H / M / L			m3/min		
	CFM			600 / 530 / 459		
Fan Motor	Type			BLDC		
Sound Pressure Level	Cooling	H / M / L		dB(A)		
Dimensions	Body			mm		
Weight	Body			kg		
Piping Connections	Liquid Side			mm		
	Gas Side			mm		
	Drain Pipe			(O.D. / I.D.)		
Power and Communication Cable (included Earth)				No. x mm2 (AWG)		
Decoration Panel	Model Name			PT-UMC2		
	Casing Colour			Morning Fog		
	Dimensions			W x H x D		
	Net weight			kg		
Outdoor Unit				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)		
Wiring Connections	Power Supply Cable (included Earth)			No. x mm2 (AWG)		
Circuit Breaker				A		
Casing Color				Warm Gray		
Dimensions	W x H x D			mm		
Net Weight				kg		
Piping Connections	Liquid		Outer Dia.	mm		
	Gas		Outer Dia.	mm		
Piping Length	Min. / Max.		m			
Maximum Height Difference	Outdoor Unit - Indoor Unit		Max.			
Operation Range (Outdoor Temperature)	Cooling	Min. - Max.		°C DB		

Accessories*			
Panel			
Dimension	950 x 35 x 950	950 x 35 x 950	
Human Detection Kit	-	PTVSMAO	
Air Purification Kit	-	-	PTAHMPO
Wi-Fi Module	PFWMDD200		
P1485	PMNFP14A1		

SPECIFICATIONS

INVERTER CASSETTE 4 WAY



4 Way Cassette				Unit		
Combination	Outdoor unit			2.0T (High Efficiency)	3.0T (High Efficiency)	4.0T (High Efficiency)
	Indoor unit			ZTUQ24GNLH1	ZTUQ36GNLH1	ZTUQ48GMLH2
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				Unit		
Model Name	Unit			ZTNQ24GNLH1	ZTNQ36GNLH1	ZTNQ48GMLH2
Power Supply	V, Ø, Hz			230, 1, 50		
Air Flow Rate	H / M / L			m3/min		
	CFM			742 / 653 / 530		
Fan Motor	Type			BLDC		
Sound Pressure Level	Cooling	H / M / L		dB(A)		
Dimensions	Body			mm		
Weight	Body			kg		
Piping Connections	Liquid Side			mm		
	Gas Side			mm		
	Drain Pipe			(O.D. / I.D.)		
Power and Communication Cable (included Earth)				No. x mm2 (AWG)		
Decoration Panel	Model Name			PT-UMC2		
	Casing Colour			Morning Fog		
	Dimensions			W x H x D		
	Net weight			kg		
Outdoor Unit				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)		
Wiring Connections	Power Supply Cable (included Earth)			No. x mm2 (AWG)		
Circuit Breaker				A		
Casing Colour				Warm Gray		
Dimensions	W x H x D			mm		
Net Weight				kg		
Piping Connections	Liquid		Outer Dia.	mm		
	Gas		Outer Dia.	mm		
Piping Length	Min. / Max.		m			
Maximum Height Difference	Outdoor Unit - Indoor Unit		Max.			
Operation Range (Outdoor Temperature)	Cooling	Min. - Max.		°C DB		

Note:
 Performances are based on the following condition:
 • Cooling: Indoor Ambient Temp. 27°CDB/19°CWB, Outdoor Ambient Temp. 35°CDB/24°CWB
 • Interconnected 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



MINIMIZED HEIGHT

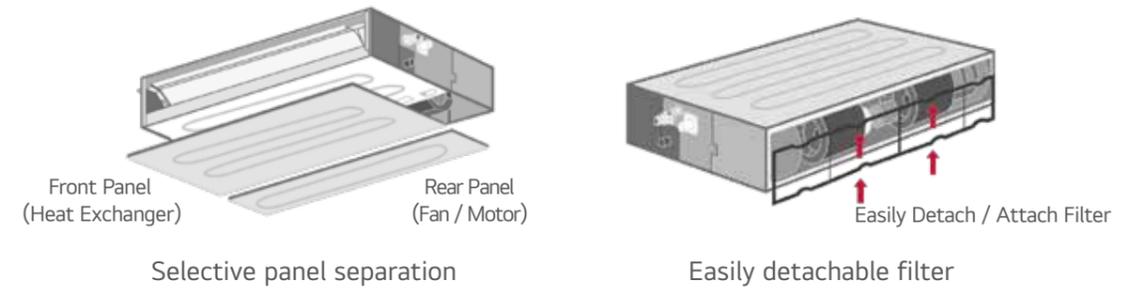
New low-static ducts provide ideal solution for installation in limited space.



INVERTER LOW STATIC DUCT

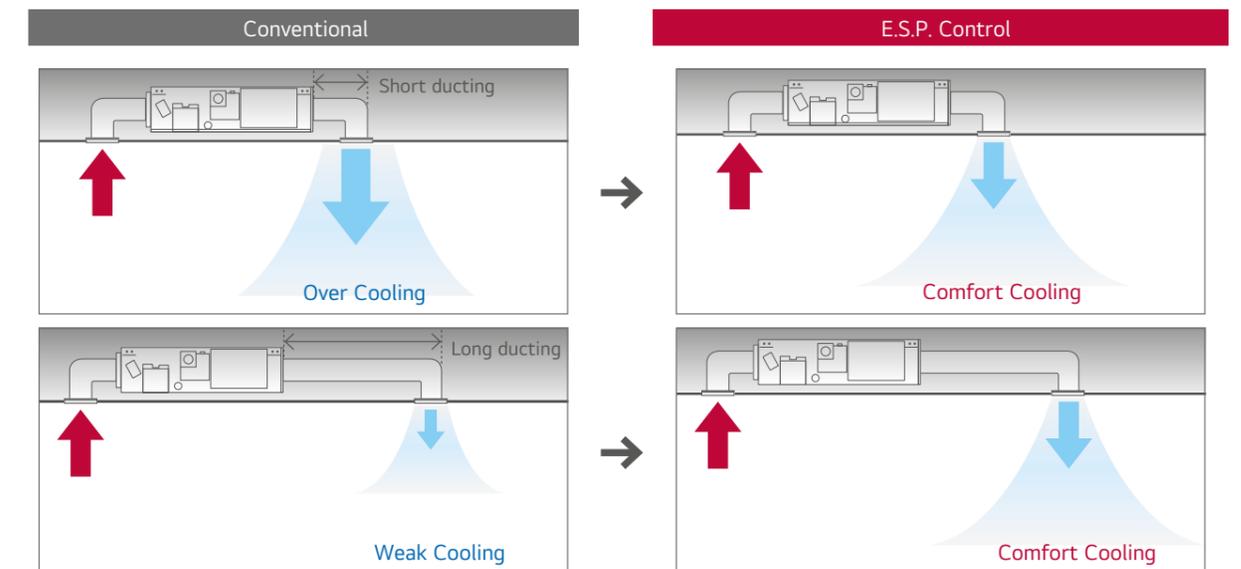
EASY SERVICE & MAINTENANCE

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.



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.



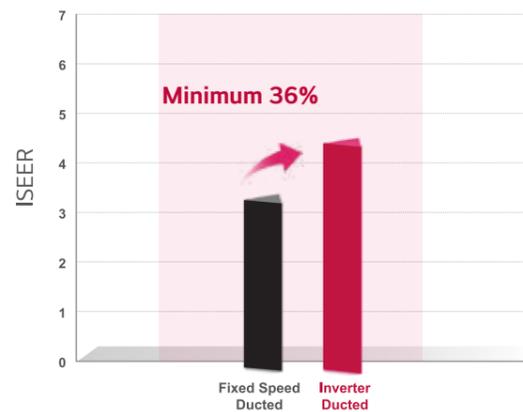
INVERTER HIGH STATIC DUCT



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

INVERTER HIGH STATIC DUCT

HIGH ENERGY EFFICIENCY AT PART LOADS

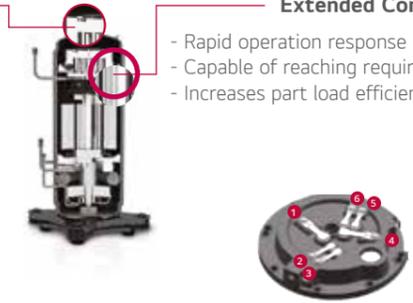
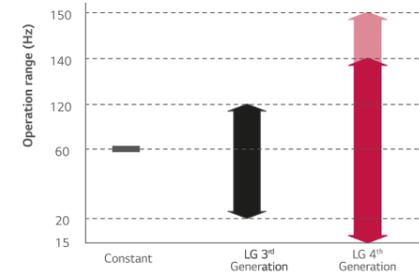
Low load operation efficiency is improved by concentration coil and motor and 6 by-pass valves.

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

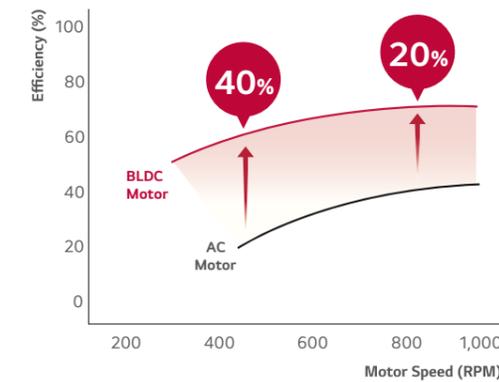
Extended Compressor Speed 150Hz

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



HIGHER EFFICIENCY WITH BRUSHLESS DC (BLDC) MOTORS

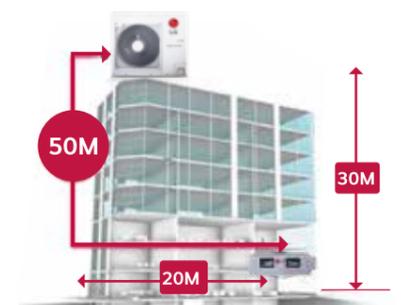
BLDC motors are more efficient than conventional AC motors used by others. BLDC motors are about 40% more efficient at lower speeds and about 20% more efficient at higher speeds.



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

Low Static Duct				Unit		1.5 T		2.0 T			
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		m ³ /min		15.0 / 12.5 / 10.0		20.0 / 16.0 / 12.0				
			CFM		530 / 441 / 353		706 / 565 / 424				
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		Ø 6.35 (1/4)		Ø 9.52 (3/8)				
	Gas Side		mm		Ø 12.7 (1/2)		Ø 15.88 (5/8)				
	Drain Pipe		O.D. / I.D.		mm		Ø 32.0 / 25.0				
Power and Communication Cable (included Earth)				No. x mm2 (AWG)		4C x 1.0 (18)		4C x 1.0 (18)			
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							
	Output	W x No.		124 x 1		124 x 2		250 x 2			
Sound Pressure Level	Cooling	Rated		dB(A)		55		57			
Wiring Connections	Power Supply Cable (included Earth)		No. x mm2 (AWG)		5C x 4.0 (10)		5C x 4.0 (10)		5C x 6.0 (8)		
Dimensions	W x H x D		mm		950 x 834 x 330		950 x 1,380 x 330		1,090 x 1,625 x 380		
			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		70 (154.3)		108 (238.1)		150 (330.7)		
Piping Connections	Liquid	Outer Dia.		mm		Ø 9.52 (3/8)		Ø 9.52 (3/8)		Ø 12.7 (1/2)	
	Gas	Outer Dia.		mm		Ø 19.05 (3/4)		Ø 22.2 (7/8)		Ø 22.2 (7/8)	
Piping Length			Max.		m		50 (164.0)		50 (164.0)		
Maximum Height Difference	Outdoor Unit - Indoor Unit		Max.		m		30 (98.4)		30 (98.4)		
Operation Range (Outdoor Temperature)	Cooling	Min. - Max.		°C DB		-5 - 53					
Accessories*											
Wi-Fi Module						PWFMD200		PWFMD200			
PI485						PMNFP14A1		PMNFP14A1			

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

SPECIFICATIONS

INVERTER HIGH STATIC DUCT



* Wired Remote Controller Included

High Static Duct				Unit		5.5 T		8.5 T		11 T			
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		m ³ /min		58.0 / 52.0 / 46.0		90.0 / 78.0 / 65.0		113.0 / 100.0 / 89.0				
			CFM		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	Cooling	H / M / L		dB(A)		45 / 43 / 41		47 / 45 / 43		49 / 47 / 45			
Dimensions	Body	W x H x D		mm		1,230x380x590		1,562x460x688		1,562x460x688			
Net Weight	Body			kg		48 (105.82)		85 (187.39)		89 (196.21)			
Piping Connections	Liquid		mm		Ø 9.52 (3/8)		Ø 9.52 (3/8)		Ø 12.7 (1/2)				
	Gas		mm		Ø 19.05 (3/4)		Ø 22.2 (7/8)		Ø 22.2 (7/8)				
	Drain (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 1.0 (18)		4C x 1.0 (18)		4C x 1.0 (18)			
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 4.0 (10)		5C x 4.0 (10)		5C x 6.0 (8)				
Dimensions	W x H x D		mm		950 x 834 x 330		950 x 1,380 x 330		1,090 x 1,625 x 380				
			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		70 (154.3)		108 (238.1)		150 (330.7)				
Piping Connections	Liquid	Outer Dia.		mm		Ø 9.52 (3/8)		Ø 9.52 (3/8)		Ø 12.7 (1/2)			
	Gas	Outer Dia.		mm		Ø 19.05 (3/4)		Ø 22.2 (7/8)		Ø 22.2 (7/8)			
Piping Length			Max.		m		50 (164.0)		50 (164.0)				
Maximum Height Difference	Outdoor Unit - Indoor Unit		Max.		m		30 (98.4)		30 (98.4)				
Operation Range (Outdoor Temperature)	Cooling	Min. - Max.		°C DB		-5 - 53							
Accessories*													
Wi-Fi Module						PWFMD200		PWFMD200					
PI485						PMNFP14A1		PMNFP14A1					

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

INVERTER FLOOR STANDING



DISTANT AIRFLOW PERFORMANCE

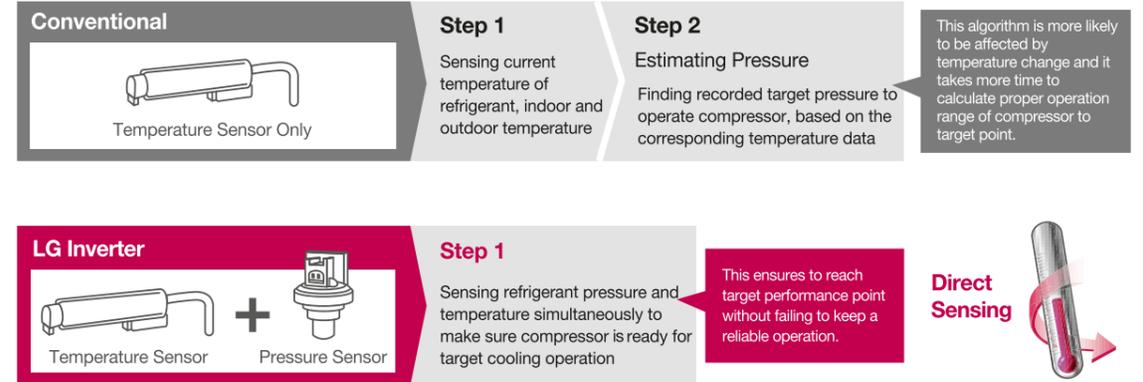
- 10m long distance airflow
- 10m windblast sends cool air to all corners of the room



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.



PAY BACK

LG Smart Inverter Payback Simulation

This payback result is based on inverter/Conventional On/ Off comparison.

Installation Region	New Delhi
Setting temperature	23°C
Product type	Floor Standing
Electricity price	11 INR/kWh

APNQ48GTA1

Annual Energy Saving is : **52%**

Conventional On/Off	3,573 kWh/year
LG Inverter	1,729 kWh/year

Investment Returns in : **2 Year 2 Months**

After that, get additional savings of:...

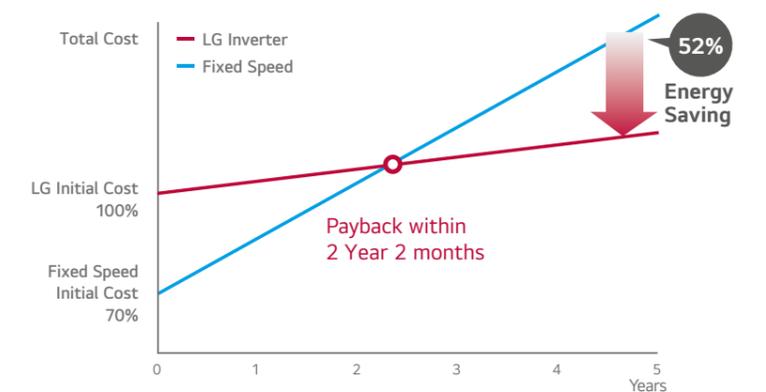
16,461 INR	36,747 INR	57,034 INR
3 Years	4 Years	5 Years

This result is limited to LG inverter models and should not be used for other brand's inverter models.

Share

Payback for 4.0T Inverter Floor Standing

SUPER ENERGY SAVING

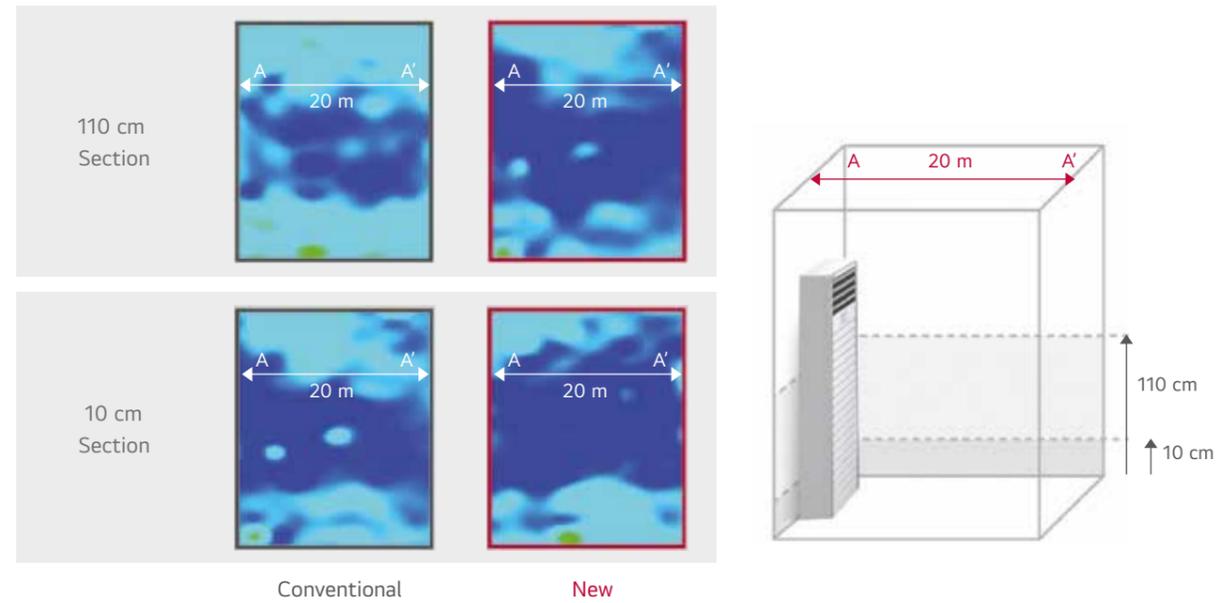


※ Under In-house test conditions as per ISEER, while comparing with conventional Air Conditioner (4.0T) available in the market, by running on 14hrs/day for 245 days, calculating the electricity charges @ ₹11INR p/KW-Hr.

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°C → 24°C / Outdoor : 46°C

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

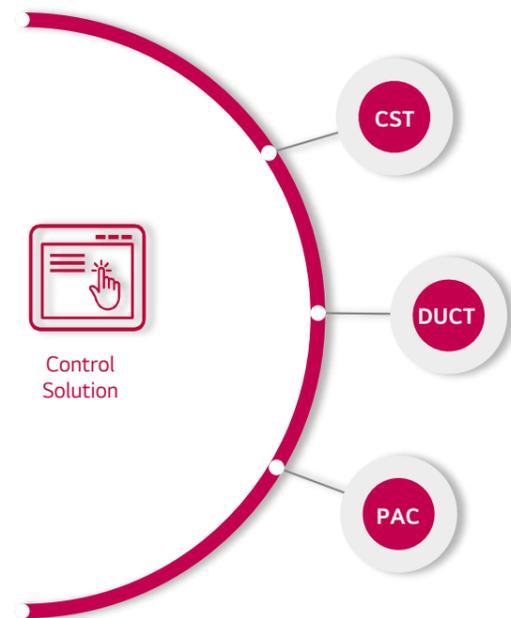
INVERTER FLOOR STANDING



Floor Standing (Tower)		Unit	4 T
Combination	Outdoor		AUUQ48LH1
	Indoor		APNQ48GTA1
Rated Capacity	Cooling	Min.-Rated-Max.	5.67 - 14.07 - 14.95
Power Input	Cooling	Rated	4.42
EER / COP		W / W	3.18
Indoor Unit		Unit	APNQ48GTA1
Model Name			
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	CFM 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 x 1,840 x 460
Net Weight	Body		kg 49.0 (108.0)
Piping Connections		Liquid	mm Ø 9.52 (3/8)
		Gas	mm Ø 15.88 (5/8)
		Drain (O.D. / I.D.)	mm Ø 21.0 / 17.0
Power and Communication Cable (included Earth)		No. x mm2 (AWG)	4C x 1.0 (18)
Outdoor Unit		Unit	AUUQ48LH1
Model Name			
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 4.0 (10.0)
Casing Color			Warm Gray
Dimensions		W x H x D	mm 950 x 834 x 330
Net Weight			kg 67.0 (147.7)
Piping Connections	Liquid	Outer Dia.	mm Ø 9.52 (3/8)
	Gas	Outer Dia.	mm Ø 15.88 (5/8)
Piping Length		Max.	m 50 (164.0)
Maximum Height Difference	Outdoor Unit - Indoor Unit	Max.	m 30 (98.4)
Operation Range (Outdoor Temperature)	Cooling	Min. - Max.	°C 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
• Interconnected Pipe Length is 7.5m and difference of Elevation (Outdoor - Indoor Unit) is 0m.

CONTROL SOLUTION



CENTRAL CONTROL SOLUTION

AC Ez Touch



PACEZA000

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

INDIVIDUAL CONTROLLER

Standard III



PREMTB100

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

DRY CONTACT SOLUTION

Dry Contact



PDRYCB320

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

CONTROL SOLUTION

CONTROLLER LINE UP

Smart management for a variety of usages.

CENTRAL CONTROLLER		INDIVIDUAL CONTROLLER	
<p>ACP 5</p> <p>PACP5A000</p> <ul style="list-style-type: none"> • Max. 256 unit • PC, Smartphone, Tablet control • Yearly schedule • BACnet / Modbus gateway • Individual controller lock • Operation log • Floor map view 	<p>Standard</p> <p>PQRCVCL0QW1</p>	<p>Standard III</p> <p>PREMTB100 (4.3" colour)</p>	
<p>AC Smart 5</p> <p>PACS5A000</p> <ul style="list-style-type: none"> • Max. 128 unit • 10.2" touch • Yearly schedule • BACnet / Modbus gateway • Individual controller lock • Operation log • Floor map view 	<p>Premium</p> <p>PREMTA000 (5" touch colour)</p>	<p>Wireless R/C</p> <p>PWLSSB21H</p>	
<p>AC Ez Touch</p> <p>PACEZE000</p> <ul style="list-style-type: none"> • Max. 64 unit • 5" touch • Yearly schedule • Individual controller lock • Operation log 	<p>Wi-Fi Modem</p> <p>PWFMD200 (For Indoor Unit)</p>		
BMS PROTOCOL GATEWAY		ETC. ACCESSORIES	
<p>ACP LonWorks</p> <p>PLNWKB000 (Indoor Unit -64)</p>	<p>Dry Contact</p> <p>PDRYCB320 PDRYCB400</p>	<p>PI 485</p> <p>PMNFP14A1 (For Outdoor Unit)</p>	