

LIGHT COMMERCIAL AIR-CONDITIONING

















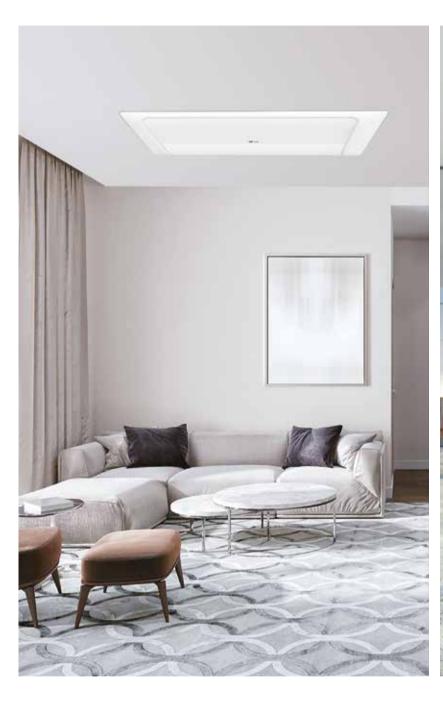


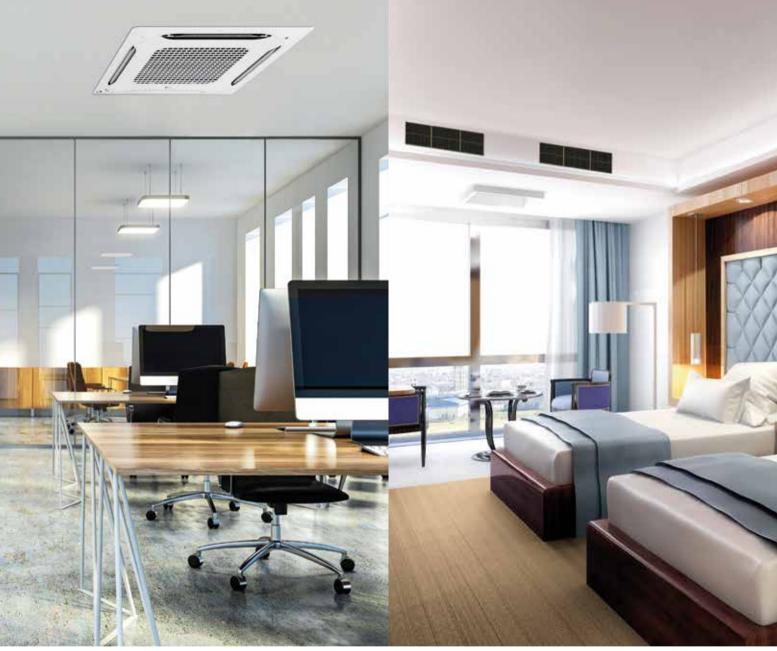






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LG AIR SOLUTION



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



ENVIRONMENTAL FRIENDLY & ENERGY EFFICIENCY





BLACK FIN PROTECTION

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







AIR PURIFICATION

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







HUMAN DETECTION

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









SMART CONTROLS

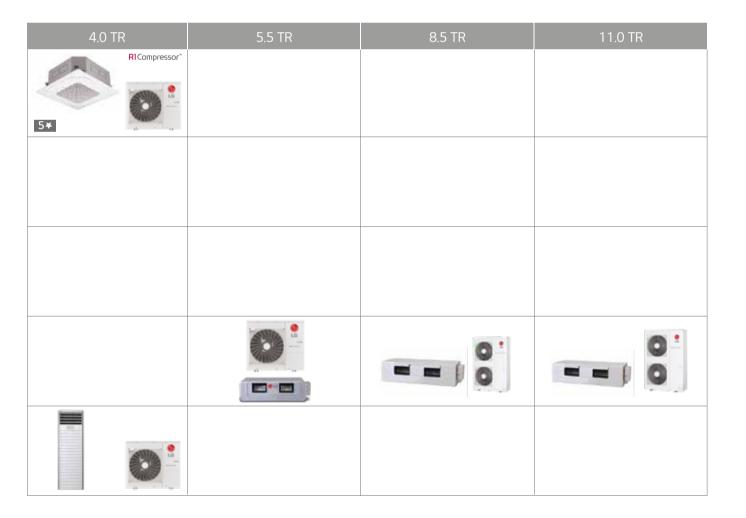
LG Single CAC responds to diverse building environments with LG ThinQ-based AI control and individual/central integrated control solutions



LINE UP







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



R32 (Diflorometane) 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

ENVIRONMENTAL FRIENDLY & ENERGY EFFICIENCY

ENERGY EFFICIENCY

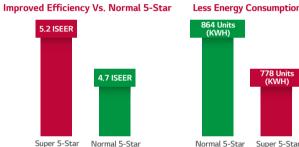


SUPER 5-STAR AIR CONDITIONERS

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

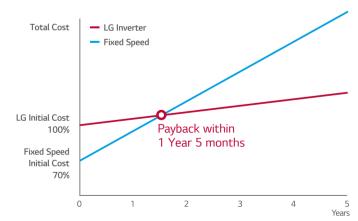




LG Super 5-Star Inverter (1.5 Tr)

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).





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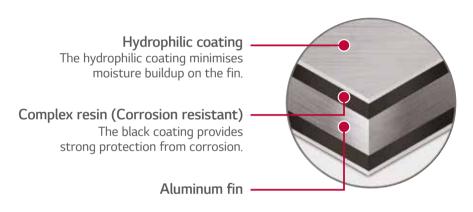
To download our Payback app, search 'LG Inverter Payback' on Google Play Store or App Store.



BLACK FIN FOR CORROSION RESISTANCE



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.



- Werification of corrosion resistance performanceTest Method B of ISO21207
- ASTM B117 / ISO 9227 (10,000 hours)

HI-GROOVED COPPER

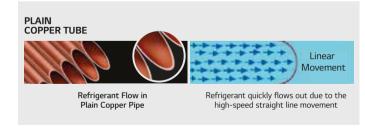


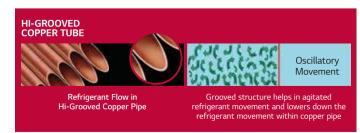
High grooved copper pipes serve dual benefits of better heat dissipation of refrigerant & increasing the durability of pipe.

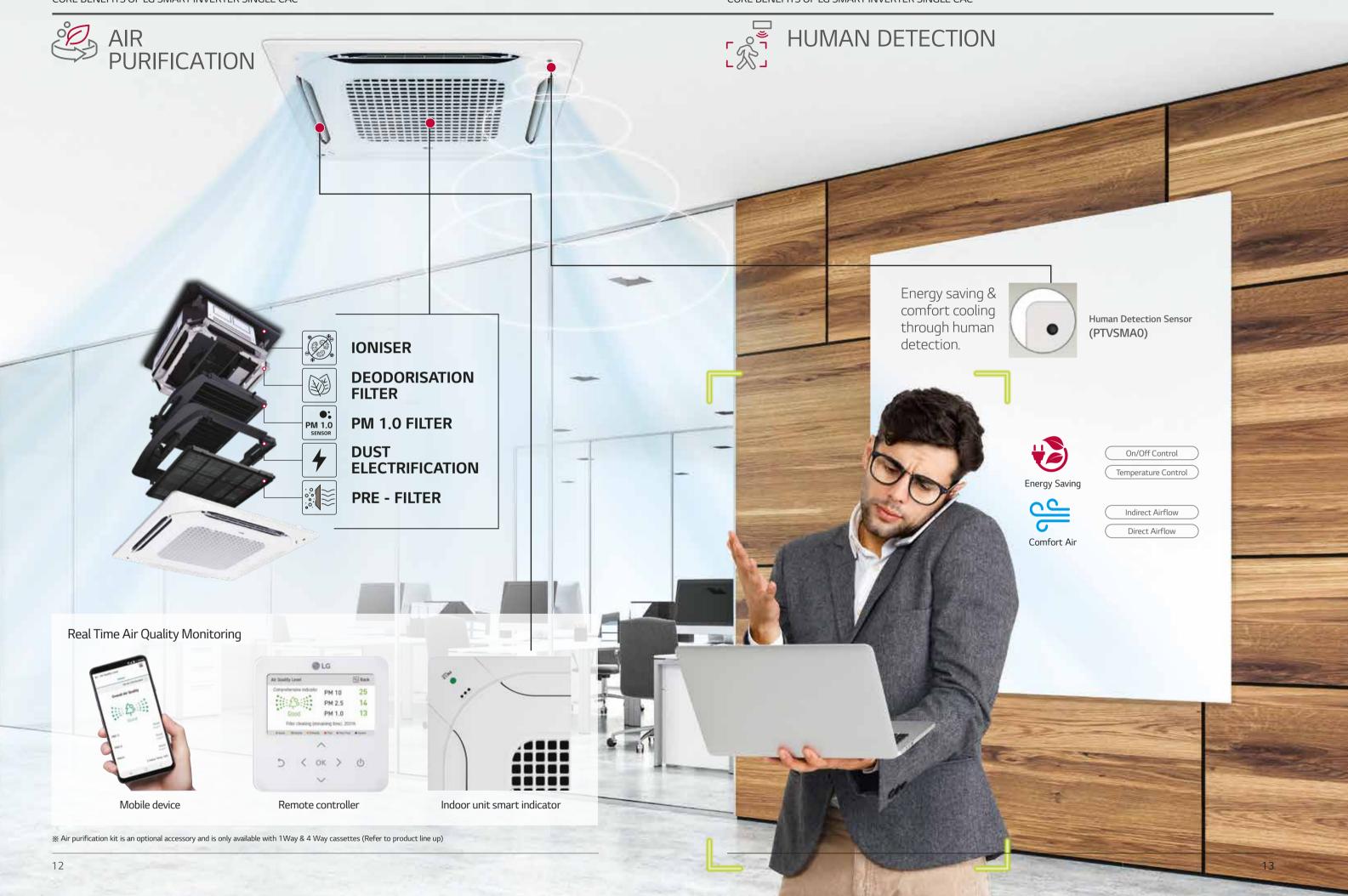
BENEFITS

- 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









SMART CONTROLS

LG ThinQ™

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



Simple operation for various functions

• On / Off

Vane Control

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

- $\fint Search$ "LG ThinQ $\fint \mathbb{M}$ " on Google market or App store then download the app.
- * Wi-Fi modem (PWFMDD200) is required by option.
- \divideontimes 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.



LG SMART INVERTER SINGLE CAC





REDDOT AWARD WINNING DESIGN ENHANCES LUXURY HOUSE INTERIOR

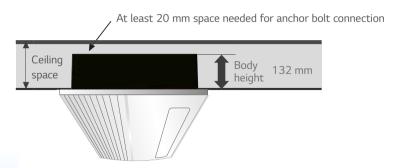
Compact and round shaped panel brings excellent fit to ceiling.





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



		Cortifolier iricidaea		U18 A Chassis	U24 A Chassis	
1 WAY Cassette		Nominal Capacity	Tr	1.5 TR	2.0 TR	
Combination	Outdoor unit			ZTUQ18GTLA1	ZTUQ24GTLA1	
Combination	Indoor unit			ZTNQ18GTLA1	ZTNQ24GTLA1	
Rated Capacity	Cooling	Min.~Rated~Max.	kW	1.58 ~ 5.2 ~ 6.0	2.21 ~ 7.10 ~ 7.7	
Power Input	Cooling	Rated	kW	1.55	2.45	
EER / COP			W/W	3.35	2.90	
ISEER				4.40	3.95	
ISEER Grade				4★	3★	
Indoor Unit						
Model Name			Unit	ZTNQ18GTLA1	ZTNQ24GTLA1	
	Power Supply		V,Ø,Hz	230,	1,50	
Air	Flow Rate	H/M/L	m³/min	16 / 14 / 12	16 / 14 / 12	
Fan Motor	Туре			BL	DC	
Sound Pressure Level	·	H/M/L	dB(A)	46 / 43 / 39	46 / 43 / 39	
Dimensions	Net	W×H×D	mm	1,180 x 132 x 450	1,180 x 132 x 450	
Weight	Net		kg(lbs)	14.2	14.2	
	Liquid Side		mm (inch)	Ø 6.35(1/4)	Ø 9.52(3/8)	
Piping Connections	Gas Side		mm (inch)	Ø 12.7(1/2)	Ø 15.88(5/8)	
	Drain Pipe	O.D. / I.D.	mm	Ø 32 / 25	Ø 32 / 25	
Power and Communication Cable (included Earth)			No. x mm2 (AWG)	4C x 0.75(18)	4C x 0.75(18)	
	Model Name			PT-TAHW0		
	Colour			Wh	nite	
Decoration Panel 1	Dimensions	WxHxD	mm	1,420 x 34 x 500		
	Net Weight		kg	4.5		
Outdoor unit	3					
Model Name			Unit	ZTUQ18GTLA1	ZTUQ24GTLA1	
	Power Supply		V, Ø, Hz	230 ,1	, 50	
Compressor	Туре		-	Twin Rotary		
Heat Exchanger	Type (Coating)		-	Fin & Tube Type (Hyd		
	Туре		-	R3		
Refrigerant	Control		-	Electronic Exp	ansion Valve	
Fan Motor		Туре		BLI		
Sound Pressure Level	Cooling	Rated	dB(A)	54	54	
Wiring Connections	Power Supply Cable (included Ea		No. x mm2 (AWG)	3C x 1.5 (14)	3C x 2.5 (12)	
	Cicuit Breaker		A	16	25	
	Casing Colour		-	Warm		
Di	mensions	W×H×D	mm	770 x 545 x 288	870 x 650 x 330	
	Net Weight	***************************************	kg (lbs)	31.5 (69.4)	41.5 (91.4)	
	Liquid	Outer Dia.	mm(inch)	Ø 6.35 (1/4)	Ø 9.52 (3/8)	
Piping Connections	Gas	Outer Dia.	mm(inch)	Ø 12.7 (1/2)	Ø 15.88 (5/8)	
Din	ing 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)	
-	Outdoor Offic ~ Indoor Offic	IVIdX.	III (IL)	20 (03.0)	30 (90.4)	
Operation Range (Outdoor Temperature)	Cooling	Min. ~ Max.	°C DB	-5 ~ 52		

Cooling: Indoor Ambient Temp. 27- CDB/ 19-CVVB, Outdoor Ambient	ient Temp. 35°CDB/24°CWB • Interconneced Pipe Length is 7.5m and diffe	rence of Elevation (Outdoor ~ Indoor Unit) is Um.			
Accessories*					
Panel	PT-TAHWO	PT-TPHGO			
Dimension	1,420 x 34 x 500	1,480 x 34 x 500			
Human Detection Kit	-	-			
Air Purification Kit	-	PTAHTP0			
Wi-Fi Module	PFWMDD200				
PI485	PFNFP14A1				

LG SMART INVERTER SINGLE CAC

INVERTER CASSETTE 4 WAY



STYLISH DESIGN PANEL

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

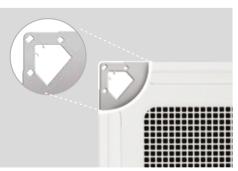
Interior fit



Lineless surface



Detachable corner



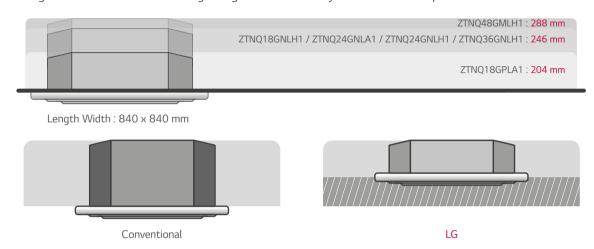


LG SMART INVERTER SINGLE CAC LG SMART INVERTER SINGLE CAC

INVERTER CASSETTE 4 WAY

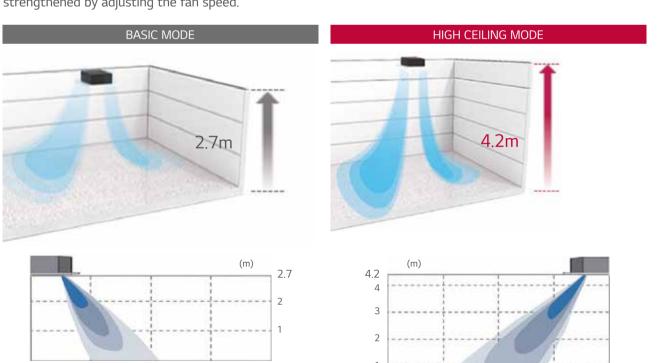
COMPACT SIZE

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.



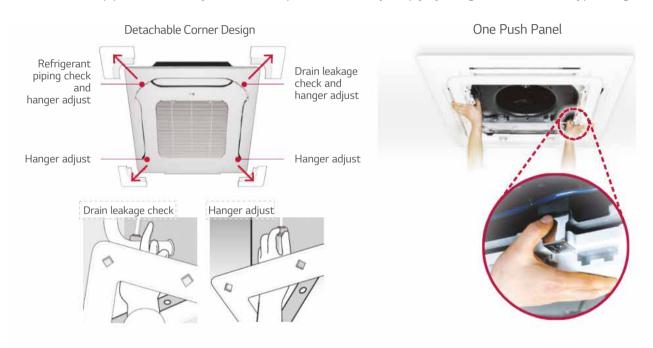
HIGH CEILING MODE SELECTION

	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

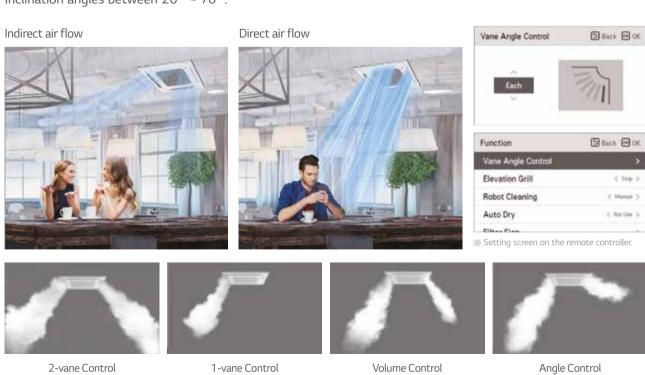
CONVENIENT PANEL INSTALLATION

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 $^{\circ}$ ~ 70 $^{\circ}$.



LG SMART INVERTER SINGLE CAC LG SMART INVERTER SINGLE CAC

SPECIFICATIONS

INVERTER CASSETTE 4 WAY











*Wireless Remote Controller Included U12 A Chassis U18 A Chassis

			**				
Combination		Outdoor unit		ZTUQ18GPLA1	ZTUQ18GNLH1	ZTUQ24GNLA1	
Combination	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	4.40	
ISEER Grade				3★	5★	4★	
Indoor Unit							

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	Туре				BLDC		
Sound Pressure Level	Cooling	H/M/L	dB(A)	40 / 36 / 33	40 / 35 / 29	40 / 35 / 29	
Dimensions	Body	WxHxD	mm	840 x 204 x 840	840 x 246 x 840	840 x 246 x 840	
Weight	Body	Body		20.5(45.2)	23.5 (51.8)	23.6(52.0)	
	Liquid Side	Liquid Side		Ø 6.35 (1/4)	Ø 6.35 (1/4)	Ø 9.52 (3/8)	
Piping Connections	Gas Side	Gas Side		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)	
	Model Name			PT-UMC2			
Decoration Panel	Casing Colour			Morning Fog			
Decoration Pallet	Dimensions	WxHxD	mm		950 x 35 x 950		
	Net weight		kg (lbs)		5.0 (11.0)		

	Net weight		kg (lbs)	5.0 (11.0)		
Outdoor unit						
Model Name			Unit	ZTUQ18GPLA1	ZTUQ18GNLH1	ZTUQ24GNLA1
Power Supply	Power Supply				230 ,1 , 50	
Compressor	Туре		-		Twin Rotary	
Heat Exchanger	Type (Coating)		-	Fir	n & Tube Type (Hydrophilic + Black F	in)
Refrigerant	Type Control		-		R32	
Remgerant			-	Electronic Expansion Valve		
Fan Motor	Туре			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 1.5 (14)
Cicuit Breaker			A	16	16	16
Casing Colour	ing Colour				Warm Gray	
Dimensions		WxHxD	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)
Piping Connections	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	Cooling	Min. ~ Max.	℃ DB	-5 ~ 52		

Accessories*							
Panel	PT-UMC2	PT-MCGW0	PT-MPGWO				
Dimension	950 x 35 x 950	950 x 3	5 x 950				
Human Detection Kit	-	PTVS	SMAO				
Air Purification Kit	PTAHMPO						
Wi-Fi Module	PFWMDD200						
PI485		PFNFP14A1					

SPECIFICATIONS

INVERTER CASSETTE 4 WAY











PT-UMC2

Morning Fog

950 x 35 x 950

		Controller Ir	ncluded	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	ZTUQ48GMLH1
Combination		Indoor unit		ZTNQ24GNLH1	ZTNQ36GNLH1	ZTNQ48GMLH1
Rated Capacity	Cooling	MinRated-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	ZTNQ48GMLH1
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	Туре	,		BLDC		•
Sound Pressure Level	Cooling	H/M/L	dB(A)	40 / 35 / 29	45 / 41 / 37	46 / 42 /37
Dimensions	Body	WxHxD	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)
	Liquid Side		mm(inch)	Ø 9.52 (3/8)	Ø 9.52 (3/8)	Ø 9.52 (3/8)
Piping Connections	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)

	Net weight		kg (lbs)	5.0 (11.0)			
Outdoor unit							
Model Name			Unit	ZTUQ24GNLH1	ZTUQ36GNLH1	ZTUQ48GMLH1	
Power Supply			V, Ø, Hz	230 ,1 , 50			
Compressor Type		=	Twin Rotary Scroll				
Heat Exchanger	Type (Coating)		=	Fin & Tube Type (Hydrophilic + Black Fin)			
Defriences	Туре		=	R32			
Refrigerant	Control		-	Electronic Expansion Valve			
Fan Motor	Туре			BLDC			
Sound Pressure Level	Cooling	Rated	dB(A)	54	54	57	
Wiring Connections	Viring Connections Power Supply Cable (included Earth)		No. x mm2 (AWG)	3C x 2.5 (12)	3C x 2.5 (12)	3C x 2.5 (12)	
Cicuit Breaker			A	25	25	32	
Casing Colour	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)	59 (130.1)	
Dining Comments	Liquid	Outer Dia.	mm(inch)	Ø 9.52 (3/8)	Ø 9.52 (3/8)	Ø 9.52 (3/8)	
Piping Connections	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			

Model Name

Casing Colour

WxHxD

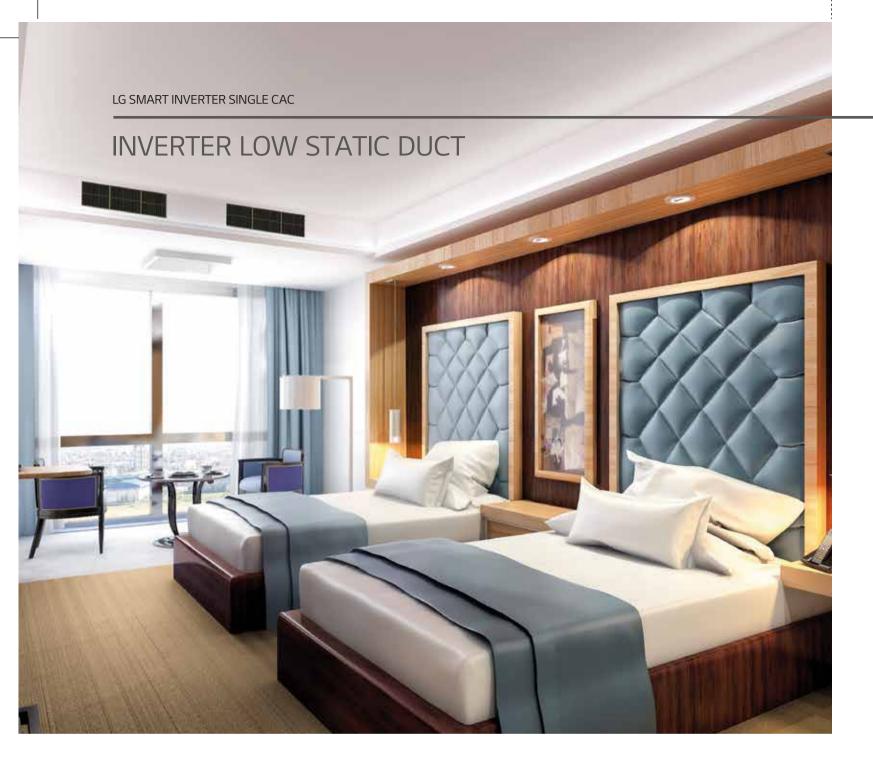
Note:

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 Om.

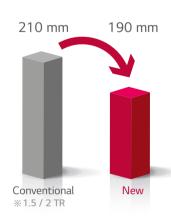
*: To use function, correct combination of panel and accessory need to be purchased (Refer to panel info)



MINIMISED HEIGHT

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

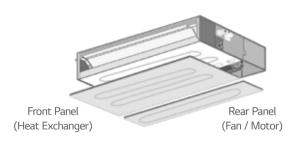


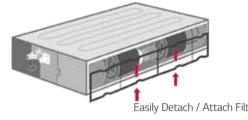


EASY SERVICE & MAINTENANCE

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.



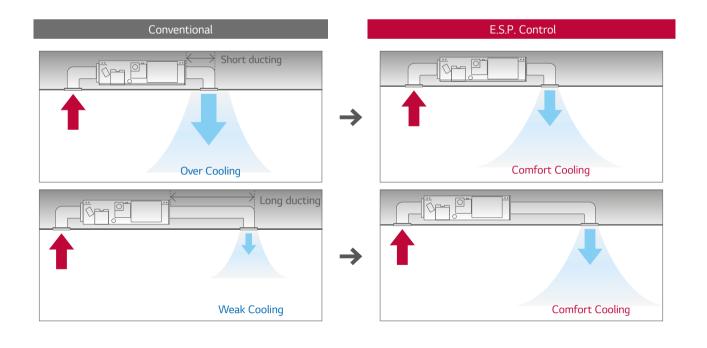


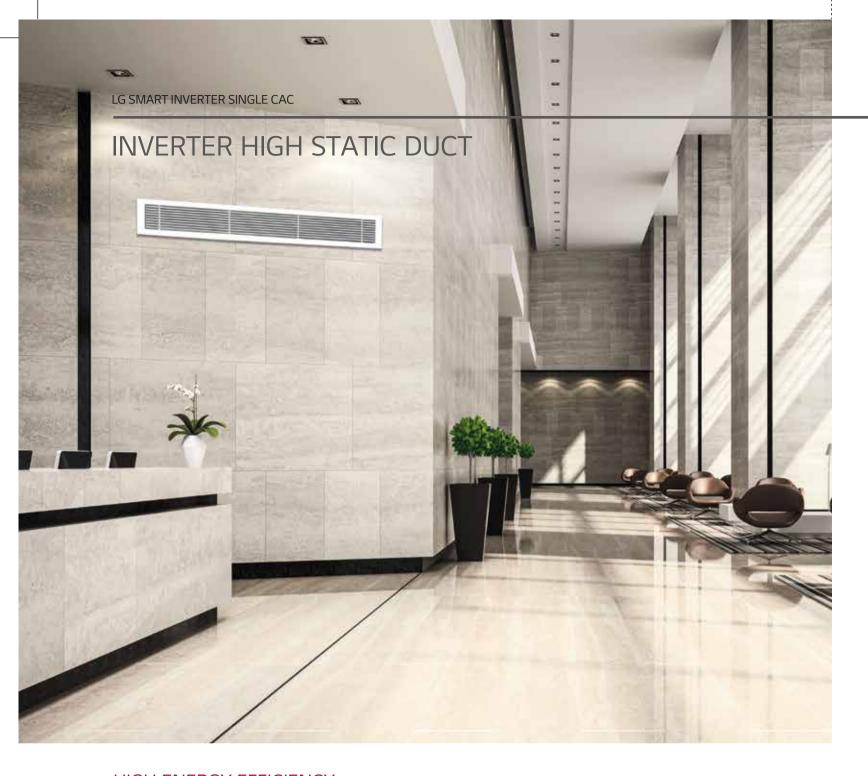
Selective panel separation

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.

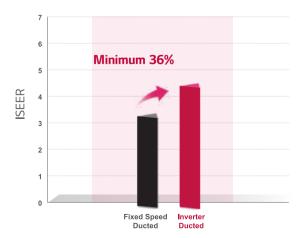




HIGH ENERGY EFFICIENCY

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.

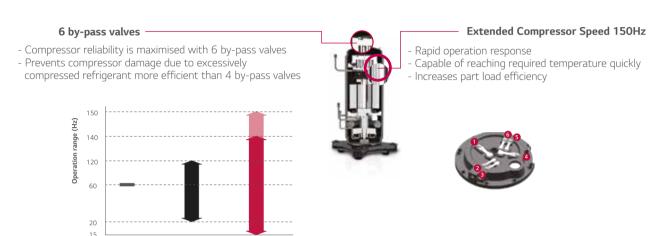
A comparison of the 2 systems is given below:



* ISEER value is simulated data as per BEE ISEER Regulation

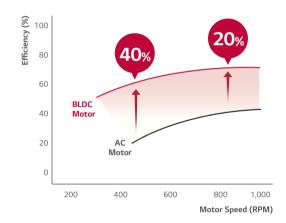
HIGH ENERGY EFFICIENCY AT PART LOADS

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



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













U18 A Chassis

Low Static Duct		Nominal Capacity		1.5 TR	2.0 TR		
Combination	Outdoor unit	,		ZBUQ18GL5A1	ZBUQ24GL6A1		
	Indoor unit			ZBNQ18GL5A1	ZBNQ24GL6A1		
Rated Capacity	Cooling	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 Uni				ZBNQ18GL5A1	ZBNQ24GL6A1		
				1	·		

mass. sime							
	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	Туре			BLDC			
Sound Pressure Level	Cooling	H/M/L	dB(A)	36 / 34 / 31	39 / 35 / 32		
Exterior	Colour		-	Steel Gray			
Dimensions		WxHxD	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		
5 6 1			V 4 11	220.4.50			

riping connections	dus side		IIIII (IIICII)	D 12.7 (1/2)	£ 15.00 (5/0)		
	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	1,002	230 ,1 , 50		
Compressor	Туре		-	Twin Rotary			
Heat Exchanger	Type (Coating)		-	Fin & Tube Type (Hydrophilic + Black Fin)			
Refrigerant	Туре		-	R32			
Remgerant	Control		-	Electronic Expansion Valve			
Fan Motor	Туре			BLC	С		
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)		
Piping Connections	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	e Outdoor Unit ~ Indoor Unit Max.		m (ft)	20 (65.6)	30 (98.4)		
Operation Range (Outdoor Temperature)	ration Range cdoor Temperature) Cooling Min. ~ Max.		°C DB	-5 ~ 52			
Accessories*							
Wi-Fi Module				PWFMD	DD200		
PI485				PMNFF	14A1		

- 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

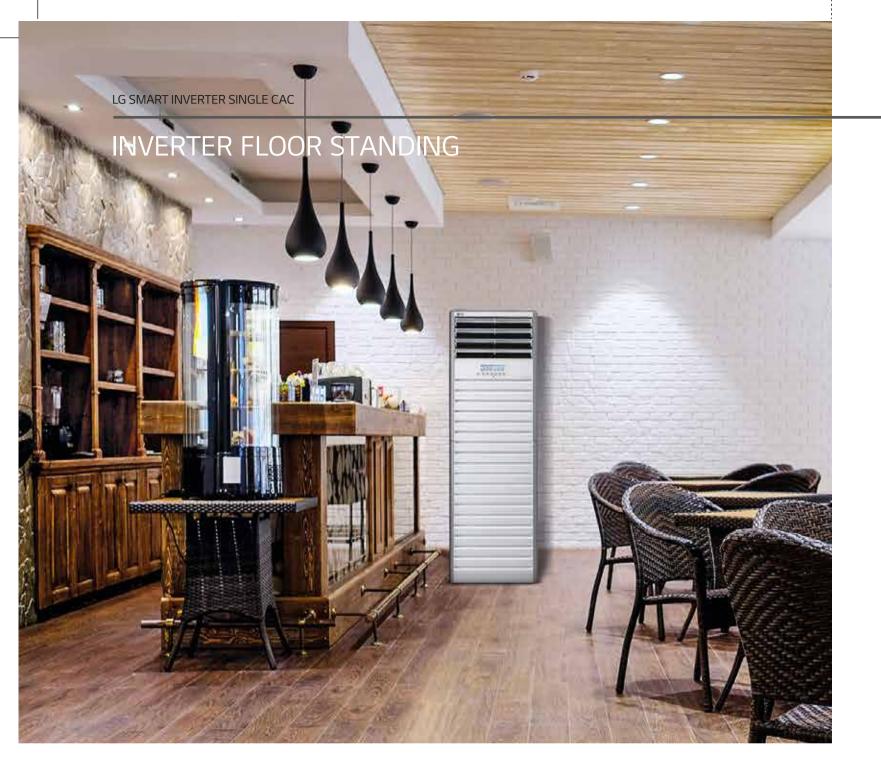


		H/M/L	rt3/min	2,048 / 1,836 / 1,624	3,178 / 2,755 / 2,295	3,991/3,531/3,143	
Fan Motor	Туре		-	BLDC			
Sound Pressure Level H / M / L		dB(A)	45 / 43 / 41	47 / 45 / 43	49 / 47 / 45		
Dimensions	Body	W×H×D	mm	1,230×380×590	1,562×460×688	1,562×460×688	
Net Weight	Body		kg (lbs)	48 (105.82)	85 (187.39)	89 (196.21)	
	Liquid		mm(inch)	Ø 9.52	Ø 9.52	Ø 12.7	
Piping Connections	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	Туре		-	Twin Rotary	Scroll		
Heat Exchanger	Type (Coating)			Fin & Tube Type (Hydrophilic + Black Fin)			
	Туре		-	R410A			
Refrigerant	Control		-	Electronic Expansion Valve			
For Makes	Туре			BLDC			
Fan Motor	Output		W x No.	124 x 1	124 x 2	250 x 2	
Sound Pressure Level	Cooling	Rated	dB(A)	55	57	63	
Wising Committee	Power Supply Cable (included Earth)		No. x mm2 (AWG)	5C x 2.5 (12)	5C x 4.0 (10)	5C x 6.0 (8)	
Wiring Connections	Power Cable (ODU-IDU)/Communication Cable		No. x mm2	4C x 0.75	4C x 0.75	4C x 0.75	
Dimensions		W×H×D	mm	950 × 834 × 330	950×1,380×330	1,090 × 1,625 × 380	
Dimensions		W×H×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	
Piping Connections	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			
Minne							

- 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.



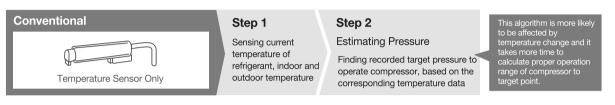
DISTANT AIRFLOW PERFORMANCE

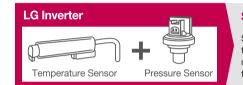
• 10m long distance airflow • 10m windblast sends cool air to all corners of the room



POWER COOLING

Pressure control takes less time to reach the desired temperature up to 30% in cooling with high level of





Step 1

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

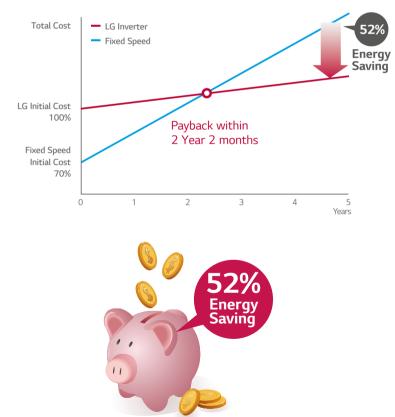


PAY BACK



Payback for 4Tr Inverter Floor Standing

SUPER ENERGY SAVING

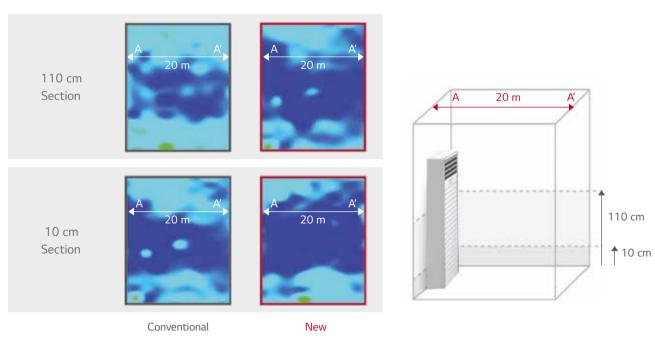


* Under In-house test conditions as per ISEER, while comparing with conventional Air Conditioner (4.OTR) available in the market, by running on 14hrs/day for 245 days, calculating the electricity charges @ ₹11INR p/KW-Hr.

EXCELLENT COOLING PERFORMANCE

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

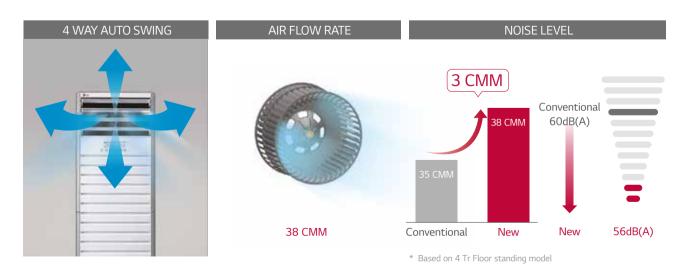
Powerful & Even Air Distribution



 $% Indoor: 33^{\circ}C \rightarrow 24^{\circ}C / Outdoor: 46^{\circ}C$

4 WAY AUTO SWING (NEW FAN TECHNOLOGY)

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



SPECIFICATIONS

INVERTER FLOOR STANDING







Controller includ	eu			U4 Chassis
Floor Standing (Tower)		Nominal Capacity	Tr	4 TR
1 tool Standing (Tower)	Outdoor	140minal Capacity	"	AUUQ48LH1
Combination	Indoor		APNQ48GTA1	
Rated Capacity	Cooling	Min.~Rated~Max.	kW	5.67 ~ 14.07 ~ 14.95
	+ -	Rated	KW	3.07 ~ 14.07 ~ 14.93 4.42
Power Input EER / COP	Cooling	Rateu	W/W	3.18
Indoor Unit			VV / VV	3.16
illador Offic	Model Name		Unit	APNQ48GTA1
	Power Supply	T 50.70.70.70	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	Туре	1	-	BLDC
Sound Pressure Level		SH/H/M/L	dB(A)	56 / 53 / 50 / 47
Dimensions	Body	WxHxD	mm	590 × 1,840 × 460
Net Weight	Body		kg (lbs)	49.0 (108.0)
	Liquid		mm(inch)	Ø 9.52 (3/8)
Piping Connections	Gas		mm(inch)	Ø 15.88 (5/8)
	Drain (O.D. / I.D.)		mm	Ø 21.0 / 17.0
Outdoor unit				
	AUUQ48LH1			
	Power Supply		V,Ø,Hz	380-415, 3, 50
Compressor	Туре		-	Twin Rotary
Heat Exchanger	Type (Coating)		-	Fin & Tube Type (Hydrophilic + Gold Fin)
	Туре		-	R410A
Refrigerant	Control		-	Electronic Expansion Valve
Fan Motor	Туре			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	WxHxD	mm	950 × 834 × 330
	Net Weight		kg (lbs)	67.0 (147.7)
	Liquid	Outer Dia.	mm(inch)	Ø 9.52 (3/8)
Piping Connections	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.	°C DB	-5 ~ 48
Accessories*	Cooling	IVIIII. IVION.	0.00	3 40
PI485				PMNFP14A1
				PIVINFP14A1
Note:		1		

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.



CST DUCT Control Solution PAC

CENTRAL CONTROL SOLUTION

AC Ez Touch

- m 💿 😑 <u>* 0</u> 0
- PACEZA000
- 5" Touch controller
- PI485GW required
- Individual controller lock
- Yearly schedule
- Max 64 indoor unit

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

CONTROLLER LINE UP

Smart management for a variety of usages.

CENTRAL CONTROLLER

ACP 5



PACP5A000

- Max. 256 unit
- Individual controller lock

• Individual controller lock

Operation log

• Floor map view

- PC, Smartphone, Tablet control Operation log • Floor map view
- Yearly schedule
- BACnet / Modbus gateway

AC Smart 5



PACS5A000

- Max. 128 unit 10.2" touch
- Yearly schedule
- BACnet / Modbus gateway

AC Ez Touch



PACEZE000

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

BMS PROTOCOL GATEWAY

ACP LonWorks



PLNWKB000 (Indoor Unit -64)

INDIVIDUAL CONTROLLER



PQRCVCL0QW1



PREMTB100 (4.3" colour)

Premium



PREMTA000 (5" touch colour)

Wireless R/C



PQWRHQ0FDB

Wi-Fi Modem



PWFMDD200 (For Indoor Unit)

ETC. ACCESSORIES



PDRYCB320 PDRYCB400



PMNFP14A1 (For Outdoor Unit)