

LIGHT COMMERCIAL AIR-CONDITIONING





BLG SAC CUSTOMER CARE

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LG Smart Inverter Single CAC

- Inverter cassette 1 Way
 Inverter cassette 4 W
 Inverter Low Static Duct
 Inverter High Static D
 Inverter Floor Standing

Control Solution

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Duct	
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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





monitoring system.



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



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

ENVIRONMENTAL FRIENDLY & ENERGY EFFICIENCY



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.



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





HUMAN DETECTION



SMART CONTROLS



LINE UP



Product	1.5 TR	2.0 TR	3.0 TR
Inverter Cassette 4 Way	3* 5*	4* 5*	5*
Inverter Cassette 1 Way	4	3*	
Inverter Low Static Duct	0	0	
Inverter High Static Duct			
Inverter Floor Standing			

4.0 TR	5.5 TR	8.5 TR	11.0 TR
RICompressor*			





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



ENERGY EFFICIENCY





Improved Efficiency Vs. Normal 5-Star Less Energy Consumption 5 2 ISEEF 4.7 ISEE Super 5-Star Normal 5-Star Normal 5-Star Super 5-Star

PAY BACK



% 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).



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



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

CORE BENEFITS OF LG SMART INVERTER SINGLE CAC

CORE BENEFITS OF LG SMART INVERTER SINGLE CAC



CORROSION RESISTANCE PROVEN BY CERTIFIED TESTS

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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.



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





BENEFITS

- time of refrigerant within pipes.

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





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

• Inner grooved structure enables the oscillatory movement for better heat dissipation as it increases travel

• 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.





CORE BENEFITS OF LG SMART INVERTER SINGLE CAC



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 Vane Control 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.





REDDOT AWARD WINNING DESIGN ENHANCES LUXURY HOUSE INTERIOR Compact and round shaped panel brings excellent fit to ceiling.





LG SMART INVERTER SINGLE CAC

SPECIFICATIONS

INVERTER 1 WAY CASSETTE

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.



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	Same Constraints	Revealed on the			
		* Wireless Remote Controller Included		U18 A Chassis	U24 A Chassis
1 WAY Cassette		Nominal Capacity	Tr	1.5 TR	2.0 TR
	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	1		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	r Flow Rate	H/M/L	m³/min	16 / 14 / 12	16 / 14 / 12
Fan Motor	Туре			BLI	C
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 Cal	ble (included Earth)		No. x mm2 (AWG)	4C x 0.75(18)	4C x 0.75(18)
	Model Name			PT-TA	HW0
Decoration Panel 1	Colour			White	
Decoration ranet 1	Dimensions	W x H x D	mm	1,420 x 3	34 x 500
	Net Weight		kg	4.	5
Outdoor unit					
Model Name			Unit	ZTUQ18GTLA1	ZTUQ24GTLA1
	Power Supply		V, Ø, Hz	230 ,1	, 50
Compressor	Туре		-	Twin R	otary
Heat Exchanger	Type (Coating)		-	Fin & Tube Type (Hyd	rophilic + Black Fin)
Refrigerant	Туре		-	R3	2
·····	Control			Electronic Exp	
Fan Motor		Туре		BLC	
Sound Pressure Level	Cooling	Rated	dB(A)	54	54
Wiring Connections	Power Supply Cable (included Ea	irth)	No. x mm2 (AWG)	3C x 1.5 (14)	3C x 2.5 (12)
	Cicuit Breaker		A	16	25
-	Casing Colour		-	Warm	
D	limensions	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)
	ping 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.	°C DB	-5 ~	52

Accessories*					
Panel	PT-TAHWO	PT-TPHG0			
Dimension	1,420 x 34 x 500	1,480 x 34 x 500			
Human Detection Kit	· · ·				
Air Purification Kit	- PTAHTPO				
Wi-Fi Module	PFWMDD200				
PI485	PFNFP14A1				

LG SMART INVERTER SINGLE CAC

NOTES







STYLISH DESIGN PANEL

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



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
	H ≤ 2.3m	H ≤ 2.3m	Low Ceiling
Ceiling	2.3m < H ≤ 2.7m	2.7m < H ≤ 3.2m	Standard
Height	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.



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







2-vane Control











Volume Control

Angle Control

SPECIFICATIONS

INVERTER CASSETTE 4 WAY

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	and the second se	*Wireless R		AND A LOUGH	ARESS	ALLES .
-20		Controller Ir	ncluded	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	MinRated-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
SEER				3.95	5.25	4.40
SEER Grade				3★	5★	4★
ndoor Unit						
Model Name			Unit	ZTNQ18GPLA1	ZTNQ18GNLH1	ZTNQ24GNLA1
Power Supply			V, Ø, Hz	ZINGTOOLEAT	230 ,1 , 50	2111024011241
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		kg (lbs)	20.5(45.2)	23.5 (51.8)	23.6(52.0)
<i>u</i>	Liquid Side		mm(inch)	Ø 6.35 (1/4)	Ø 6.35 (1/4)	Ø 9.52 (3/8)
Piping Connections	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 Ca	able (included Earth)		No. x mm2 (AWG)	4C x 0.75 (18)	4C x 0.75 (18)	4C x 0.75 (18)
	Model Name		1		PT-UMC2	
	Casing Colour				Morning Fog	
Decoration Panel	Dimensions	WxHxD	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	Туре		-		Twin Rotary	
Heat Exchanger	Type (Coating)		-	Fin	& Tube Type (Hydrophilic + Black F	in)
Refrigerant	Туре		-		R32	
	Control		-		Electronic Expansion Valve	
Fan Motor	Туре	1			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			-		Warm Gray	
Dimensions		W×H×D	mm	717 x 483 x 230	770 x 545 x 288	770 x 545 x 288
let Weight	Liquid	Outor Dia	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)
Naine Lanath	Gas	Outer Dia.	mm(inch)	Ø 12.7 (1/2)	Ø 12.7 (1/2)	Ø 15.88 (5/8)
Piping Length	Outdoor Units In 1 222	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						

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

LG SMART INVERTER SINGLE CAC

SPECIFICATIONS

INVERTER CASSETTE 4 WAY



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* Wireless Re Controller Inc	
Nominal Capacity	
Outdoor unit	
Indoor unit	

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		● - - - - - - - - - - - - -					
	The second second	* Wireless R Controller In		A CONTRACTOR	A CONTRACTOR	Alles	
				U24 A Chassis	U24 A Chassis	U36 A Chassis	
4 Way Cassette	T	Nominal Capacity	Tr	2.0 TR(High Efficiency)	3.0 TR(High Efficiency)	4.0 TR(High Efficiency)	
Combination		Outdoor unit		ZTUQ24GNLH1	ZTUQ36GNLH1	ZTUQ48GMLH1	
	Indoor unit			ZTNQ24GNLH1	ZTNQ36GNLH1	ZTNQ48GMLH1	
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	ZTNQ48GMLH1	
Power Supply		Ť	V, Ø, Hz		230 ,1 , 50		
Air Flow Rate	1	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	<u>т</u>			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 Cat	ole (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 Morning Fog 950 x 35 x 950			
Decoration Panel	Casing Colour						
Decoration Pariet	Dimensions	WxHxD	mm				
	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	Туре		-	Twin Rotary Scroll			
Heat Exchanger	Type (Coating)		-	Fin & Tube Type (Hydrophilic + Black Fin)			
Pofrigorant	Туре		-		R32		
Refrigerant	Control		-	Electronic Expansion Valve			
Fan Motor	Туре				BLDC		
Sound Pressure Level	Cooling	Rated	dB(A)	54	54	57	
Wiring Connections	Power Supply Cable (included I	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			-		Warm Gray		
Dimensions		WxHxD	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 Connections	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.		°C DB	-5 - 52			

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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)



LG SMART INVERTER SINGLE CAC



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

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:



LG SMART INVERTER SINGLE CAC

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



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

	control				024 A Chassis	
Low Static Duct		Nominal Capacity	Tr	1.5 TR	2.0 TR	
e 1:	Outdoor unit		Ì	ZBUQ18GL5A1	ZBUQ24GL6A1	
Combination	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		1	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	Туре		·	BLDC		
Sound Pressure Level	Cooling	H/M/L	dB(A)	36 / 34 / 31	39 / 35 / 32	
Exterior	Colour		-	Steel Gra	у	
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		
	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	0.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 , 5	60	
Compressor	Туре		-	Twin Rotary		
Heat Exchanger	Type (Coating)		-	Fin & Tube Type (Hydrophilic + Black Fin)		
:	Туре		-	R32		
Refrigerant	Control		-	Electronic Expansion Valve		
Fan Motor	Туре		· · · · · · · · · · · · · · · · · · ·	BLDC		
Sound Pressure Level	Cooling	Rated	dB(A)	54	54	
Wiring Connections	Power Supply Cable (included	l 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×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)	
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.	°C DB	-5 ~ 52		
Accessories*	- ·					
Wi-Fi Module				PWFMDD2	200	
PI485				PMNFP14	A1	

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.

LG SMART INVERTER SINGLE CAC

SPECIFICATIONS

INVERTER HIGH STATIC DUCT



					0	
	* Wired Rer Controller Ir			U4 Chassis	U3 Chassis	U7 Chassis
High Static Duct		Nominal Capacity	Tr	5.5 TR	8.5 TR	11 TR
C 11 - 2	Outdoor unit			JBUQ66LRA0	JBUQ102L8A0	JBUQ132L8A0
Combination	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	кw	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	
		H/M/L	m3/min	58.0 / 52.0 / 46.0	90.0 / 78.0 / 65.0	113.0 / 100.0 / 89.0
Air Flow Rate		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	Туре		-		BLDC	
Sound Pressure Level	.78-	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	WAIIAD	kg (lbs)	48 (105.82)	85 (187.39)	89 (196.21)
Net Weight	Liquid		mm(inch)	Ø 9.52	Ø 9.52	Ø 12.7
Dining Connections	Gas			Ø 19.05	Ø 22.2	Ø 12.7
Piping Connections			mm(inch)			
• • • •	Drain (O.D. / I.D.)		mm	Ø 32.0 / 25.0	Ø 32.0 / 25.0	Ø 32.0 / 25.0
Outdoor unit			· I			1
	Model Name		Unit	JBUQ66LRA0	JBUQ102L8A0	JBUQ132L8A0
	Power Supply		V / Ø / Hz		415 / 3 / 50	
Compressor	Туре		-	Twin Rotary Scroll		
Heat Exchanger	Type (Coating)			F	in & Tube Type (Hydrophilic + Black	Fin)
Refrigerant	Туре		-	R410A		
5	Control		-		Electronic Expansion Valve	
Fan Motor	Туре				BLDC	7 F
	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)
winning connections	Power Cable (ODU-IDU)/Com	munication 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
Dimensions		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)
Dining 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.	°C DB		-5 ~ 53	1
Accessories*						
Wi-Fi Module					PWFMDD200	
PI485					PMNFP14A1	

Note:

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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



LG SMART INVERTER SINGLE CAC

POWER COOLING

accuracy and stability.



LG Inverter	व्या	Step 1
	+	Sensing refrigerant pressure and temperature simultaneously to make sure compressor is ready for
Temperature Sensor	Pressure Sensor	target cooling operation

PAY BACK

Smart Inverter 健 LG A Ö This payback result is based of On/ Off comparision. Installation Region Setting temperature Product type Electricity price New Delhi 23°C Floor Standing 11 INR/kWh APNQ48GTA1 **2**Year **2** Months After that, get additional savings of:... 36,747 INR 57,034 INR 16,461 INR 3 Years 4 Years 5 Years This result is limited to LG inverter models and should not be us Share

Payback for 4Tr Inverter Floor Standing

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



SUPER ENERGY SAVING



X 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



4 WAY AUTO SWING (NEW FAN TECHNOLOGY)

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



LG SMART INVERTER SINGLE CAC

SPECIFICATIONS

INVERTER FLOOR STANDING



			04 Clidssis
	Nominal Capacity	Tr	4 TR
Dination			AUUQ48LH1
Indoor			APNQ48GTA1
Cooling	Min.~Rated~Max.	kW	5.67 ~ 14.07 ~ 14.95
Cooling	Rated	KW	4.42
		W/W	3.18
		·	
Model Name		Unit	APNQ48GTA1
Power Supply		V / Ø / Hz	230, 1, 50
	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		dB(A)	56 / 53 / 50 / 47
Body	W x H x D	mm	590 × 1,840 × 460
· · ·			49.0 (108.0)
,			Ø 9.52 (3/8)
			Ø 15.88 (5/8)
			Ø 21.0 / 17.0
Drain (0.0.7 i.D.)			0 21.07 17.0
Model Name		Unit	AUUQ48LH1
			380-415, 3, 50
1		-	Twin Rotary
		-	Fin & Tube Type (Hydrophilic + Gold Fin
		-	R410A
Control		-	Electronic Expansion Valve
Type			BLDC
Cooling	Rated	dB(A)	56
Power Supply Cable (included Earth)		No. x mm2 (AWG)	5C x 2.5 (12)
		-	Warm Gray
Casing Color Dimensions		mm	950 × 834 × 330
		ka (lbs)	67.0 (147.7)
Net Weight			
Net Weight Liquid	Outer Dia.	mm(inch)	Ø 9.52 (3/8)
	Outer Dia. Outer Dia.	5	Ø 9.52 (3/8) Ø 15.88 (5/8)
Liquid		mm(inch)	
Liquid	Outer Dia.	mm(inch) mm(inch)	Ø 15.88 (5/8)
Liquid Gas Outdoor Unit - Indoor Unit	Outer Dia. Max.	mm(inch) mm(inch) m (ft)	Ø 15.88 (5/8) 50 (164.0)
Liquid Gas	Outer Dia. Max. Max.	mm(inch) mm(inch) m (ft) m (ft)	Ø 15.88 (5/8) 50 (164.0) 30 (98.4)
Liquid Gas Outdoor Unit - Indoor Unit	Outer Dia. Max. Max.	mm(inch) mm(inch) m (ft) m (ft)	Ø 15.88 (5/8) 50 (164.0) 30 (98.4)
	Indoor Cooling Cooling Model Name Power Supply Body Body Body Body Liquid Gas Drain (O.D. / I.D.) Model Name Power Supply Interfere Power Supply Control Type Cooling Power Supply Cable (included Earth) Dimensions	Outdoor Indoor Indoor MinRated-Max. Cooling Rated Model Name Power Supply SH / H / M / L Type SH / H / M / L Body Wx H x D Body Wx H x D Body Gas Drain (O.D. / I.D.) Model Name Model Name Power Supply Model Name Type Control Type Control Type Control Type Cooling Rated Power Supply Cable (included Earth) W x H x D Dimensions W x H x D	Outdoor Indoor Indoor MinRated-Max. KW Cooling Mated KW Cooling Rated KW Cooling Rated KW Cooling Rated KW Cooling W / W W/W Model Name Unit M3/min SH / H / M / L m3/min SH / H / M / L Type - - Type - - Body W × H × D mm Body W × H × D mm(inch) Gas mm(inch) mm(inch) Gas mm(inch) mm Drain (O.D. / LD.) mm - Model Name Unit - Model Name Unit - Image: Supply - - Image: Supply - - Control - - Image: Supply - - Image: Supply Cable (included Earth) Rated dB(A)

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.





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CONTROL SOLUTION





CENTRAL CONTROL SOLUTION

AC Ez Touch III 💿 😐 @16

PACEZA000

INDIVIDUAL CONTROLLER

Standard III

- Bill. 0 .276 514.00318
- 4.3" colour display with a modern design Soft touch button

• 5" Touch controller • PI485GW required

• Yearly schedule

• Max 64 indoor unit

• Individual controller lock

• Yearly schedule

PREMTB100

DRY CONTACT SOLUTION

Dry Contact

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

016 PDRYCB320

LG SMART INVERTER SINGLE CAC

CONTROLLER LINE UP

Smart management for a variety of usages.



PACP5A000

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





PACS5A000

Individual controller lock

Individual controller lock

Operation log

Operation log

• Floor map view

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

AC Ez Touch



PACEZE000

- Max. 64 unit • 5" touch
 - Yearly schedule



PLNWKB000 (Indoor Unit -64)

INDIVIDUAL CONTROLLER

Standard





PREMTB100 (4.3" colour)

Premium



PREMTA000 (5" touch colour)

Wi-Fi Modem



(For Indoor Unit)

ETC. ACCESSORIES Dry Contact PI 485 @16 PMNFP14A1 PDRYCB320 PDRYCB400 (For Outdoor Unit)

Wireless R/C



PQWRHQ0FDB