

2023 LG Single Package Solution

Tropical

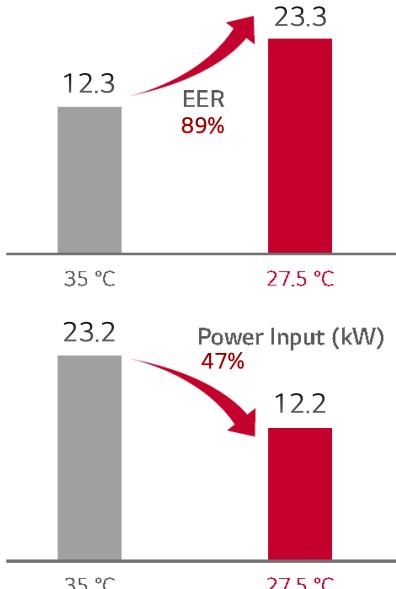


WHY LG INVERTER

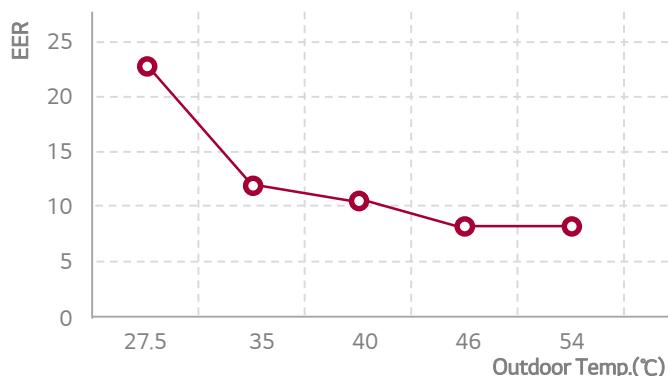
SUPERIOR EFFICIENCY

Annual Energy Savings

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



※ Model : AK-W320LH00

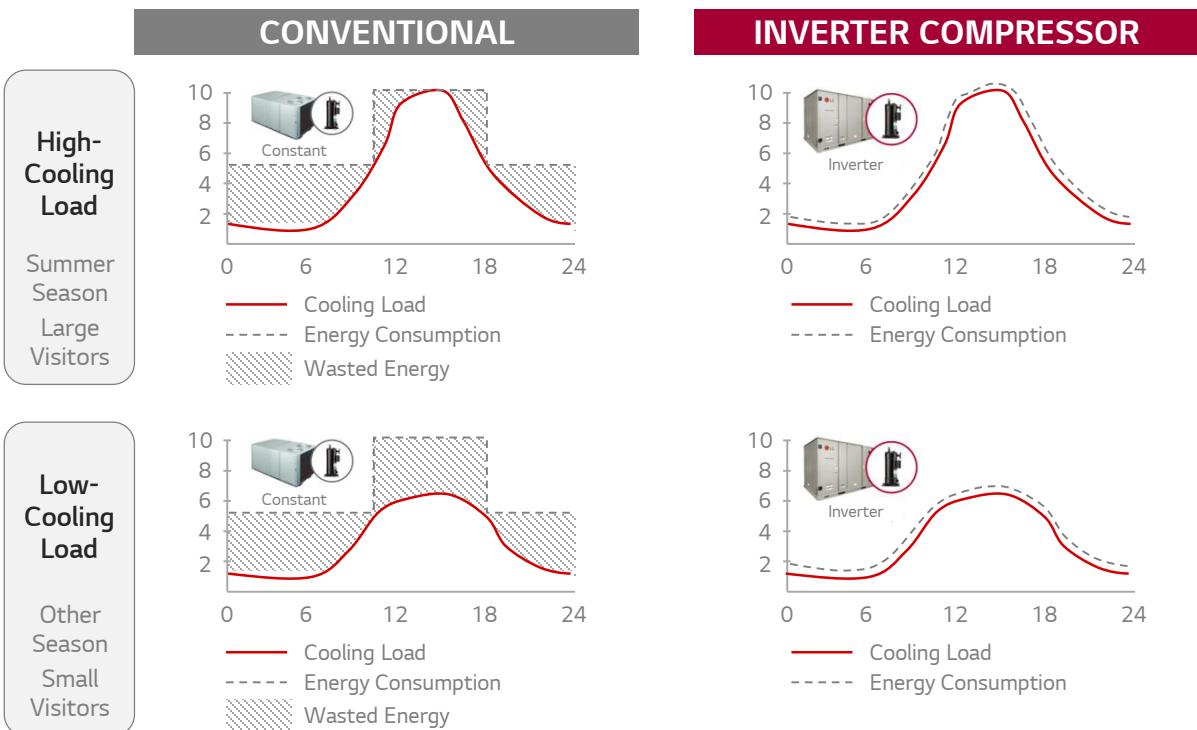


ODU Temp.(°C)	27.5	35	40	46	54
EER*	23.3	12.3	11.2	8.6	8.6
Power Input(kW)	12.2	23.2	25.5	31.7	21.2

*EER : Energy Efficiency Ratio(Btu/Wh)

Electricity Cost Saving

The inverter compressor can remove wasted energy by responding to time-specific loads, situation-specific loads, and seasonal load fluctuations



CONVENIENCE

DIRECT DRIVE PACKAGE

Heat Pump Only

Easy Installation

By applying a high static pressure motor, it has wide E.S.P coverage and easy to set the air volume setting RPM by simple touch on remote Control to change airflow rate

EASY E.S.P. CONTROL



Easy Air Volume Adjustment

External Static Pressure

0.0
inAq

(Largest 10HP BLDC Motor)

Max 2.0
inAq

Easy Maintenance

Beltless direct drive system both side of indoor and outdoor is easy to maintain and cost effective

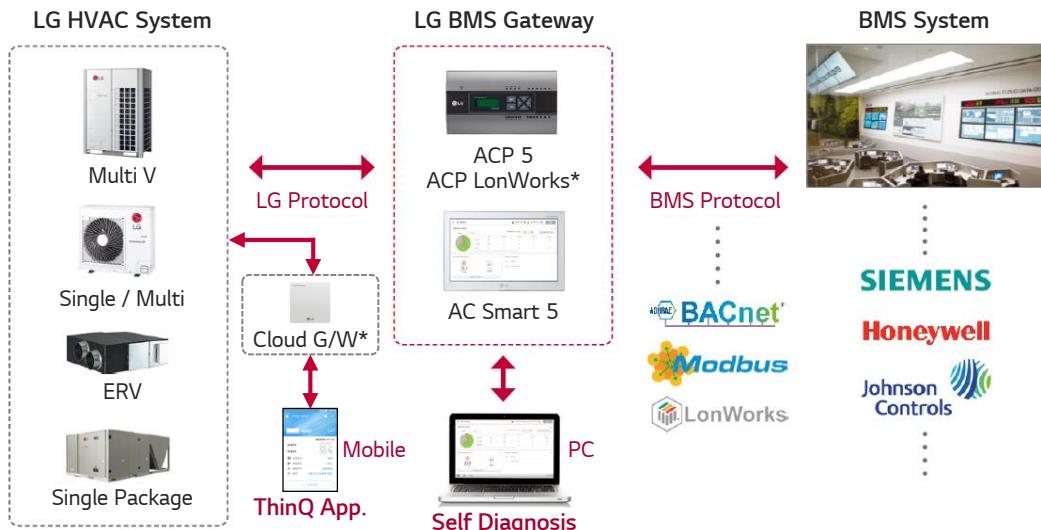
DIRECT DRIVE MOTOR



- ✓ Variable Speed Plug Fan
- ✓ Does not Require Additional VFD
- ✓ No Need to Adjust Pulley and Belt
- ✓ No Need to Grease
- ✓ Low Cost of Repair with Fewer Parts

3rd PARTY BMS SYSTEM COMPATIBILITY

LG Inverter Single Package can be connected with gateway products for different protocols such as Modbus, BACnet and LonWorks. And gateway product offers self diagnosis interface



*ACP 5 (BACnet IP/Modbus TCP) : PACP5A000 / ACP LonWorks (Modbus) Interface : PLNWKB000
Cloud Gateway : PWFMDB200

SINGLE PACKAGE NEW

LINE-UP (Inverter)

Colling Only Indoor/Outdoor : BLDC Motor*

(W x H x D, mm)

Type	Phase	Power Supply	Capacity Index (RT)		
			3	4	5
C/O	1Ø	220-240V 50/60Hz			 (1,280x1,065x1,110)

Cooling & Heating Indoor/Outdoor : BLDC Motor*

Type	Phase	Power Supply	Capacity Index (RT)					
			7.5	10	12.5	15	20	25
H/P	3Ø	380-415V 50/60Hz	 (1,130x1,242x2,250)	 (2,230x1,242x2,400)	 (2,230x1,242x3,520)			

*BLDC : Brushless Direct Current Motor

NEW

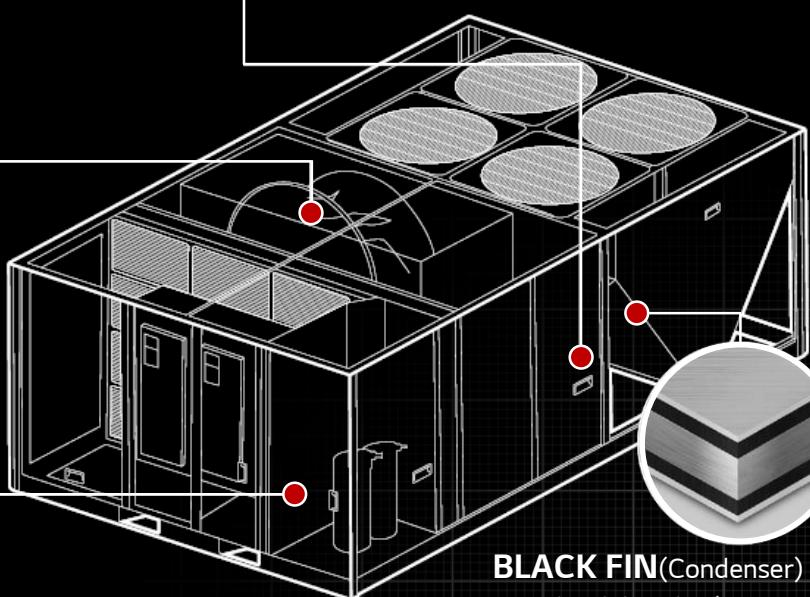
CONVENIENCE

- Direct drive fan motor (BLDC)
- Easy set-up method (by ESP function)

**NEW**

EASY ACCESS

- Hinged doors made it easy to service components
- 3rd party compatible 2 inch filter

**NEW**

ULTIMATE PERFORMANCE

- Superior efficient ultimate inverter compressor with BLDC fan motors



BLACK FIN (Condenser)

- Hydrophilic Film (Water Flow)
- Corrosion Resistant Layer

SINGLE PACKAGE NEW

LINE-UP(Non-Inverter)

Cooling Only

(W x H x D, mm)

Small Capacity

Type	Phase	Power Supply	Capacity Index (RT)				
			4	5	6	7.5	10
C/O	1Ø	220-240V 50/60Hz					 (1,790x1,049x1,024) (1,790x1,160x1,024) (2,028 x1,160x1,024) (2,265x1,383x1,505)

Med-size Capacity

Type	Phase	Power Supply	Capacity Index (RT)				
			12.5	15	18	20	25
C/O	3Ø	380-415V 50Hz				 (2,092x1,520x2,030) (2,548x1,755x2,150) (3,312x2,100x2,150)	

Large Capacity

Type	Phase	Power Supply	Capacity Index (RT)		
			30	35	40
C/O	3Ø	380-415V 50Hz			 (3,945x2,150x2,400)





LG Electronics

<http://lge.com>
<http://partner.lge.com>
<http://lghvacstory.com>



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