

# Standard Smart Inverter

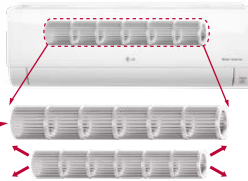
## Powerful Cooling Airflow

LG's unique technology with larger skew fan and outdoor unit's big wings creates high efficiency cooling and heating and 9m long power airflow.

### 1 Larger Skew Fan

A 25% larger skew fan expels more powerful blasts of air.

**25% Larger**  
(Fan Size)



### 2 Powerful Long Airflow

A larger cooling outlet expels air farther and cools spaces faster.

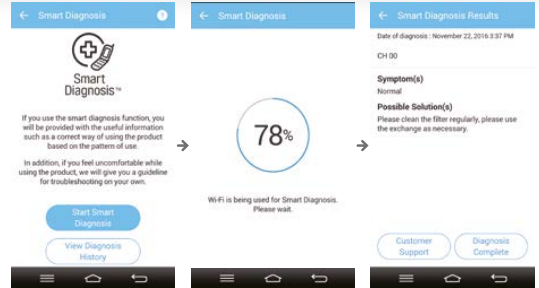
**9m Long Power**



## Smart Diagnosis

Smart Diagnosis allows users to conveniently check setup, installation, troubleshooting and other information directly from a smartphone

By using "LG Smart ThinQ" App and clicking "Start Smart Diagnosis", monitor and check diagnosis results conveniently via Wi-Fi.



## Comfort Air

The comfort vane option conveniently sets the louvers to a preset position that deflects the supply air away from blowing directly onto room occupants.

### 1 Convenient Control

Enjoy utmost comfort in just one click.



Click the button once : the vane goes to the highest position for indirect airflow. (Optimized airflow for cooling)



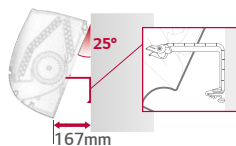
Click the button twice : the vane goes to the lowest position for indirect airflow. (Optimized airflow for heating)



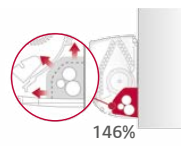
## Quick and Easy Installation

LG air conditioner is designed for easier and more efficient installation, making possible to install several units in a short period of time.

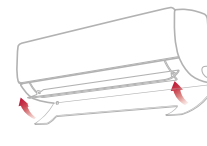
### 1 Installation Support Clip



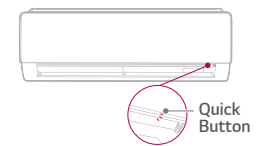
### 2 Wider Tubing Space



### 3 Detachable Bottom Cover



### 4 Quick button for running test



# Standard Smart Inverter

9K  
P09EN  
12K  
P12EN

18K  
P18EN  
24K  
P24EN



- Smart Diagnosis
- Active Energy Control
- Energy Display
- Dual Protection Filter
- Auto Cleaning
- Jet Cool
- 2 Way Swing
- Fast Heating
- Gold Fin™
- Comfort Air
- Low Noise 19dB (9k,12k)
- Silence Mode
- Quick & Easy Installation

Unit				9K	12K	18K	24K
Indoor Unit				P09EN.NSJ	P12EN.NSJ	P18EN.NSK	P24EN.NSK
Capacity	Cooling	Min/Rated/Max	W	890/2500/3700	890/3500/4040	900/5000/5525	900/6600/7420
	Heating +7°C	Min/Rated/Max	W	890/3200/4100	890/3800/5100	900/5800/6438	900/7500/8640
	Heating -7°C	Rated	W	3000	3600	3800	4850
Power Input	Cooling	Rated	W	670	1080	1587	2275
	Heating +7°C	Rated	W	840	1000	1611	2308
EER			W/W	3.73	3.24	3.15	2.90
S.E.E.R.				6.5	6.4	6.5	6.2
P design C			kW	2.5	3.5	5.0	6.6
COP			W/W	3.81	3.80	3.60	3.25
S.C.O.P.				4.0	4.0	4.0	3.9
P design H			kW	2.4	2.5	3.9	5.0
Energy Label	Cooling			A++	A++	A++	A++
	Heating			A+	A+	A+	A
Annual Energy Consumption	Cooling		kWh	134	191	269	372
	Heating		kWh	840	875	1365	1794
Sound Pressure	Cooling	S/L/M/H	dB(A)	19/27/35/41	19/27/35/41	31/34/39/44	31/34/42/47
	Heating	L/M/H	dB(A)	27/35/41	27/35/41	34/39/44	34/42/47
Sound Power	Cooling	High	dB(A)	59	59	60	65
	Heating	L/M/H	m³/min	3.0/4.2/7.5/10.0	3.0/4.2/7.5/10.0	8.0/10.5/13.0/14.5	8.0/10.5/13.1/16.1
Air Flow Rate	Max (Power)		m³/min	11.5	12.5	15.5	20.0
	Heating	L/M/H	m³/min	5.6/7.2/10.0	5.6/7.2/10.0	11.0/13.5/16.0	11.0/15.0/18.5
Dehumidification Rate			l/h	1.1	1.3	1.8	2.5
Running Current	Cooling	Rated/Max	A	3.0/6.0	4.7/6.0	6.9/9.0	10.1/14.0
	Heating	Rated/Max	A	3.7/7.0	4.5/7.0	7.1/9.5	10.4/14.0
Starting Current	Cooling	Rated	A	3.0	4.7	6.9	10.1
	Heating	Rated	A	3.7	4.5	7.1	10.4
Power Supply			Ø / V / Hz	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50
Circuit Breaker			A	15	15	20	25
Power Supply Cable			N x mm²	3*1.0	3*1.0	3 x 1.5	3 x 2.5
Power & Transmission Cable			N x mm²	4*1.0 (Including Earth)	4*1.0 (Including Earth)	4 x 1.0 (Including Earth)	4 x 1.0 (Including Earth)
Dimension			mm	837*308*189	837*308*189	998*345*210	998*345*210
Net Weight			kg	8.5	8.5	11.6	12.5
Fan Motor Output			W	30	30	30	60
Outdoor Unit				P09EN.UA3	P12EN.UA3	P18EN.UJ2	P24EN.UUE
Operation Range	Cooling	Min-Max	°CDB	-10-48	-10-48	-15-48	-15-48
	Heating	Min-Max	°CDB	-10-24	-10-24	-10-24	-10-24
Sound Pressure	Cooling	High	dB(A)+1	49	49	53	56
	Heating	High	dB(A)+1	50	50	55	57
Sound Power	Cooling	High	dB(A)	65	65	65	70
Air Flow Rate	High		m³/min	27	27	35	50
Piping	Length (Odu/ldu)	Min	m	3	3	3	3
		Max	m	15	15	20	30
Piping Connection	Elevation (Odu/ldu)	Min	m	7	7	10	15
		Max	m	7	7	10	15
Refrigerant	Liquid	OD(Outside)	mm	6.35	6.35	6.35	6.35
		inch		(1/4)	(1/4)	(1/4)	(1/4)
	Gas	OD(Outside)	mm	9.52	9.52	12.7	15.88
		inch		(3/8)	(3/8)	(1/2)	(5/8)
	Drain	OD(Outside)	mm	21.5	21.5	21.5	21.5
		inch		0.85	0.85	0.85	0.85
Type	Type			R410A	R410A	R410A	R410A
	Charge at 7.5m		g	950	950	1200	1350
			t-CO2 eq	1.98	1.98	2.51	2.82
	Additional charge		g/m	20	20	20	30
GWP				2087.5	2087.5	2087.5	2087.5
Fan Motor Output			W	43	43	43	85
Compressor Type				1P Rotary	1P Rotary	Twin Rotary	Twin Rotary
Net Weight			kg	29	29	36.7	46
Dimension			mm	717*483*230	717*483*230	770*545*288	870*655*320

\* S : Sleep / L : Low / M : Medium / H : High  
 \*\* Specification, design and feature are subject to change without prior notice.  
 \*\*\* This product contains Fluorinated greenhouse gases (R410A).