LG
Life's Good

Libero-S
Smart Inverter

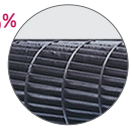
High Performance Airflow

LG's unique high pressure blade fan and outdoor unit's high efficiency big wings, creates high efficiency cooling and heating air solution and 9m long power airflow.

1 High Pressure Blade Fan

Applying trip wire blade, the irregular surface be able to reducing air resistance.

Indoor Unit Air flow rate improved by 15% than conventional.



2 High Efficiency Big Wings

Improve power

Improved power consumption with reducing the flow resistance.

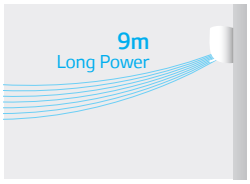
↑6.4% Airflow rate improved by

↓30% Fan weight reduced by

↓24% Fan energy consumption reduced by

3 Powerful Long Airflow

The new larger fan and chassis that allow you to feel the air from up to 9meters away. Now cooling is faster and powerful and you can feel comfortable air sooner.



Smart Diagnosis

Smart Diagnosis allows you to check setup, installation, troubleshooting and other information conveniently from your smartphone.

1 How It Works

2 Benefit

Consumer Mode

- Easily check operational status of a product without a display or one that provides limited information
- Save energy by monitoring key operational information and power consumption
- Easy-to-understand error messages make reaching a solution and corresponding with the service center simple and convenient
- Using the Maintenance Guide helps to improve device performance and expand product life

Service Mode

- Understand the product better by easily confirming operational status and information
- Intuitively diagnose problems by comparing current and past usage data
- Maintain installation capabilities and reduce installation errors by quickly confirming device operational status

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)

Customized Design for Maximum Comfort

LG air conditioner's slim and simple design guarantees easy installation and convenient cleaning.

1 Larger Magic Display

Neat indoor unit design and comfortable function of checking your energy with hidden display.

2 Easy to Open

Removing the dust filter on a conventional air conditioner takes two steps, but a Dual Protection Filter can be removed in one easy step.

3 Easy to Clean

The filter is designed for easy handling and quick cleaning, which lengthens its lifespan.

New Libero-S
Smart Inverter

9K
P09EN
12K
P12EN

18K
P18EN
24K
P24EN

Active Energy Control
Energy Display
2 Way Swing
Jet Cool
Fast Heating
Dual Protection Filter
Auto Cleaning
Comfort Air
Low Noise 19dB *9k,12k
Silence Mode 3dB
Quick & Easy Installation
Optional
Wi-Fi Ready
Smart Diagnosis

Unit				9K	12K	18K	24K
Model Indoor Unit				P09EN.NSB	P12EN.NSB	P18EN.NS2	P24EN.NS2
Model Outdoor Unit				P09EN.UA3	P12EN.UA3	P18EN.UL2	P24EN.UUE
Indoor Unit							
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	dBA	19/27/35/41	19/27/35/41	31/34/39/44	31/34/42/47
	Heating	L/M/H	dBA	27/35/41	27/35/41	34/39/44	34/42/47
Sound Power	Cooling	High	dBA	59	59	60	65
Air Flow Rate	Cooling	S/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	8.0 /10.5 /13.1
		Max (Power)	m³/min	11.5	12.5	18.0	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*1.5	3*2.5
Power & Transmission Cable			N x mm²	4*1.0 (Including Earth)	4*1.0 (Including Earth)	4*1.0 (Including Earth)	4*1.0 (Including Earth)
Dimension			mm	837*302*189	837*302*189	998*330*210	998*330*210
Net Weight			kg	8.5	8.5	11.6	12.5
Fan Motor Output			W	30	30	30	60
Outdoor Unit							
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	dBA	49	49	53	56
	Heating	High	dBA	50	50	55	57
Sound Power	Cooling	High	dBA	65	65	65	70
Air Flow Rate		High	m³/min	27	27	35	50
Piping	Length (Odu/Idu)	Min	m	3	3	3	3
		Max	m	15	15	20	30
	Elevation (Odu/Idu)	Max	m	7	7	10	15
Piping Connection	Liquid	OD(Outside)	mm	6.35	6.35	6.35	6.35
		OD(Outside)	inch	(1/4)	(1/4)	(1/4)	(1/4)
	Gas	OD(Outside)	mm	9.52	9.52	12.7	15.88
		OD(Outside)	inch	(3/8)	(3/8)	(1/2)	(5/8)
	Drain	OD(Outside)	mm	21.5	21.5	21.5	21.5
		OD(Outside)	inch	0.85	0.85	0.85	0.85
Refrigerant	Type			R410A	R410A	R410A	R410A
	Charge at 7.5m		g	950	950	1200	1350
	Additional charge		g/m	20	20	20	30
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).