



AI DUAL Inverter™



LG participates in the ECP programme for EUROVENT AC program. Check ongoing validity of certification : www.eurovent-certification.com

### AI-Advanced Care with Lower Energy Consumption

- Effortless Comfort with AI AIR: Your air conditioner takes care of everything, ensuring optimal comfort by adapting airflow with radar sensors that track your location and ambient temperature via ThinQ.
- Soft Air: Stay comfortably cool without a chill, thanks to ultra-fine settings for wind strength and temperature.
- Dual Vane Technology: Enjoy optimized control of two separate vanes through multi-link technology, expanding the range of airflow control.
- Comfort Humidity Control: Maintain the perfect environment by adjusting airflow based on the desired temperature and current humidity, ensuring no excess chill.
- AI kW Manager (Cooling Mode Only): Automatically set energy-saving stages based on your target electricity usage and period, making sure your air conditioner operates efficiently.
- All Cleaning: The unit automatically handles everything from cleaning to drying, keeping the interior hygienic.
- Automatic Energy Saving: Detects open windows and activates Pro-Active Energy Saving Mode Control to conserve energy.
- Sleep Timer+ (Plus): Analyzes your air conditioner usage patterns to automatically adjust cooling temperature for a perfect night's sleep.
- Low Heating, Allergy Filter, Freeze Cleaning: Features designed to ensure a cleaner, healthier, and more comfortable indoor environment.

DUALCOOL AI AIR SPECIAL

RESIDENTIAL WALL MOUNTED

## Single Combination

EFFICIENT DATA				P09SND.SSO	P12SND.SSO
Capacity	Cooling	Min ~ Rated ~ Max	kW	0.89 / 2.5 / 3.6	0.89 / 3.5 / 4.05
	Heating	Min ~ Rated ~ Max	kW	0.65 / 3.2 / 4.6	0.65 / 3.7 / 5.0
	Heating -7 °C	Max	kW	3.3	3.6
Power Input	Cooling	Min ~ Rated ~ Max	W	180 / 590 / 1,260	180 / 933 / 1,400
	Heating	Min ~ Rated ~ Max	W	180 / 740 / 1,450	180 / 900 / 1,600
Running Current	Cooling	Min ~ Rated ~ Max	A	1.50 / 2.9 / 5.5	1.50 / 4.3 / 6.1
	Heating	Min ~ Rated ~ Max	A	1.50 / 3.5 / 6.3	1.50 / 4.15 / 7.0
EER			W/W	4.24	3.75
SEER			-	8.3	7.6
COP			W/W	4.32	4.1
SCOP (Average / Warmer)			-	4.6 / 5.5	4.6 / 5.5
P design C / P design H			kW	2.5 / 2.7	3.5 / 2.7
Energy Label Grade (A+++ to D Scale)	Cooling		-	A++	A++
	Heating (Average/Warmer)		-	A++ (A+++)	A++ (A+++)
Annual Energy Consumption	Cooling		kWh	105	161
	Heating (Average/Warmer)		kWh	822 (356)	822 (356)
INDOOR UNIT				P09SND.NSO	P12SND.NSO
Dimensions (W × H × D)	Net		mm	799 x 307 x 235	799 x 307 x 235
	Shipping		mm	871 x 383 x 296	871 x 383 x 296
Weight	Net		kg	10	10
Air Filter Type				Prefilter (Washable), Allegy Filter	Prefilter (Washable), Allegy Filter
Air Flow Rate	Cooling	SH / H / M / L	m <sup>3</sup> /min	12.7 / 10.3 / 7.6 / 4.8	12.7 / 10.3 / 7.6 / 4.8
	Heating	SH / H / M / L	m <sup>3</sup> /min	13.0 / 10.3 / 7.6 / 4.8	13.0 / 10.3 / 7.6 / 4.8
Sound Pressure Level	Cooling	SH / H / M / L / SL	dB(A)	48 / 42 / 35 / 27 / 19	48 / 42 / 35 / 27 / 19
	Heating	SH / H / M / L	dB(A)	48 / 42 / 35 / 27	48 / 42 / 35 / 27
Sound Power Level			dB(A)	60	60
Dehumidification Rate			l/h	1.15	1.30
Drain Hose Size	O.D, I.D		mm	21.5, 16	21.5, 16
OUTDOOR UNIT				P09SND.U12A	P12SND.U12A
Dimensions (W × H × D)	Net		mm	717 x 495 x 230	717 x 495 x 230
	Shipping		mm	836 x 540 x 321	836 x 540 x 321
Weight	Net		kg	25	25
Operation Range	Cooling		°C DB	-15 ~ 48	-15 ~ 48
	Heating		°C DB	-15 ~ 24	-15 ~ 24
Power Supply			Ø, V, Hz	1, 220 ~ 240, 50	1, 220 ~ 240, 50
Sound Pressure Level	Cooling	Rated	dB(A)	48	48
	Heating	Rated	dB(A)	51	51
Sound Power Level			dB(A)	60	60
Air Flow Rate	Max		m <sup>3</sup> /min	27.0	27.0
Circuit Breaker			A	15	15
Power Supply Cable			No. × mm <sup>2</sup>	3 x 1.0	3 x 1.0
Power and Communication Cable			No. × mm <sup>2</sup>	4 x 1.0 (Including Earth)	4 x 1.0 (Including Earth)
Refrigerant	Type / GWP (Global Warming Potential)		-	R32 / 675	R32 / 675
	Pre Charged Amount / t-CO <sub>2</sub> eq		kg	0.73 / 0.493	0.73 / 0.493
	Chargeless		m	7.5	7.5
	Additional Charge		g/m	20	20
Piping	Size	Liquid	mm	ø 6.35	ø 6.35
		Gas	mm	ø 9.52	ø 9.52
Between Indoor & Outdoor	Piping Length	Min / Standard / Max	m	3 / 7.5 / 20	3 / 7.5 / 20
		No Charge (Chargeless)	m	7.5	7.5
	Max. Elevation Difference		m	10	10
Compressor	Type		-	Inverter Twin Rotary	Inverter Twin Rotary
ACCESSORIES & OTHERS					
Multi Compatible				Y	Y
PI 485				-	-
Dry Contact				Y	Y
Wired Remote Controller				Y	Y

\* : Sound Pressure is not a value declared on Eurovent Program.

※ This product contains Fluorinated greenhouse gases (R32).

※ S : Sleep / L : Low / M : Medium / H : High

※ GWP : Global warming potential

※ t-CO<sub>2</sub>eq : F-gas(kg)\*GWP/1000

※ Y : Available or Applied / - : Not Available or Not Applied

※ For our policy of continuous product improvement, specification, design and feature are subject to change without prior notice.