



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 Your Interior and Lower Energy Consumption

- AI AIR adapts airflow with radar sensors for optimal comfort.
- Soft Air and Dual Vane deliver gentle, tailored cooling.
- When Soft Air is activated, the airflow comes out in three directions. (Front, Right, Left)
- Comfort Humidity Control ensures a perfectly balanced environment.
- High SEER provides top performance with lower energy consumption.
- AI kW Manager adjusts operations based on your energy-saving goals.
- Proactive features like Human Detection and Window Open Detection reduce energy waste.
- All Cleaning, Plasmaster™ Ionizer++, and Allergy Filter ensure hygienic air.
- Sleep Timer+ analyzes usage patterns for better nighttime comfort.
- Low Heating protects your home from freezing temperatures.

Single Combination

EFFICIENT DATA				AA09SPSS1	AA12SPSS1	AA18SPSS1
Capacity	Cooling	Min ~ Rated ~ Max	kW	0.89 / 2.5 / 4.0	0.89 / 3.5 / 4.35	0.9 / 5.0 / 5.5
	Heating	Min ~ Rated ~ Max	kW	0.65 / 3.2 / 5.5	0.65 / 4.0 / 6.0	0.9 / 5.8 / 6.4
	Heating -7 °C	Max	kW	3.6	4.0	4.65
Power Input	Cooling	Min ~ Rated ~ Max	W	160 / 510 / 1,400	160 / 815 / 1,500	210 / 1,545 / 1,940
	Heating	Min ~ Rated ~ Max	W	160 / 640 / 1,600	160 / 850 / 1,750	210 / 1,560 / 2,000
Running Current	Cooling	Min ~ Rated ~ Max	A	1.3 / 3.1 / 6.0	1.3 / 3.75 / 6.5	1.6 / 6.9 / 9.0
	Heating	Min ~ Rated ~ Max	A	1.3 / 3.2 / 7.0	1.3 / 4.0 / 7.5	1.6 / 7.0 / 9.5
EER			W/W	4.90	4.29	3.24
SEER			-	9.7	9.5	7.0
COP			W/W	5.00	4.71	3.72
SCOP (Average / Warmer)			-	5.1 / 6.1	5.1 / 6.1	4.3 / 5.6
P design C / P design H			kW	2.5 / 2.8	3.5 / 2.8	5.0 / 3.9
Energy Label Grade (A+++ to D Scale)	Cooling		-	A+++	A+++	A++
	Heating (Average/Warmer)		-	A+++ (A+++)	A+++ (A+++)	A+ (A+++)
Annual Energy Consumption	Cooling		kWh	90	129	250
	Heating (Average/Warmer)		kWh	769 (344)	769 (344)	1,270 (534)
INDOOR UNIT				AA09SPNS1	AA12SPNS1	AA18SPNS1
Dimensions (W × H × D)	Net		mm	935 x 307 x 235	935 x 307 x 235	935 x 307 x 235
	Shipping		mm	1,007 x 383 x 296	1,007 x 383 x 296	1,007 x 383 x 296
Weight	Net		kg	13.7	13.7	13.7
Air Filter Type				Prefilter (Washable), Allergy Filter	Prefilter (Washable), Allergy Filter	Prefilter (Washable), Allergy Filter
Air Flow Rate	Cooling	SH / H / M / L	m³/min	13.6 / 10.5 / 8.1 / 5.7	13.6 / 10.5 / 8.1 / 5.7	13.6 / 11.7 / 9.9 / 7.0
	Heating	SH / H / M / L	m³/min	14.2 / 10.5 / 8.1 / 5.7	14.2 / 10.5 / 8.1 / 5.7	14.2 / 11.7 / 9.9 / 7.0
Sound Pressure Level	Cooling	SH / H / M / L / SL	dB(A)	47 / 40 / 35 / 27 / 19	47 / 40 / 35 / 27 / 19	49 / 44 / 39 / 34 / 29
	Heating	SH / H / M / L	dB(A)	48 / 40 / 35 / 27	48 / 40 / 35 / 27	50 / 44 / 39 / 34
Sound Power Level			dB(A)	60	60	60
Dehumidification Rate			l/h	1.15	1.30	1.80
Drain Hose Size		O.D, I.D	mm	21.5, 16	21.5, 16	21.5, 16
OUTDOOR UNIT				AA09SPU18	AA12SPU18	AA18SPU18
Dimensions (W × H × D)	Net		mm	770 x 545 x 288	770 x 545 x 288	770 x 545 x 288
	Shipping		mm	919 x 599 x 392	919 x 599 x 392	919 x 599 x 392
Weight	Net		kg	29.9	29.9	32.5
Operation Range	Cooling		°C DB	-15 ~ 48	-15 ~ 48	-15 ~ 48
	Heating		°C DB	-15 ~ 24	-15 ~ 24	-15 ~ 24
Power Supply			Ø, V, Hz	1, 220 ~ 240, 50	1, 220 ~ 240, 50	1, 220 ~ 240, 50
Sound Pressure Level	Cooling	Rated	dB(A)	49	49	53
	Heating	Rated	dB(A)	51	51	55
Sound Power Level			dB(A)	60	60	65
Air Flow Rate		Max	m³/min	35.0	35.0	35.0
Circuit Breaker			A	15	15	20
Power Supply Cable			No. × mm²	3 x 1.0	3 x 1.0	3 x 1.5
Power and Communication Cable				4 x 1.0 (Including Earth)	4 x 1.0 (Including Earth)	4 x 1.0 (Including Earth)
Refrigerant	Type / GWP (Global Warming Potential)		-	R32 / 675	R32 / 675	R32 / 675
	Pre Charged Amount / t-CO ₂ eq		kg	0.9 / 0.608	0.9 / 0.608	1.13 / 0.763
	Chargeless		m	12.5	12.5	11.5
	Additional Charge		g/m	20	20	20
Piping	Size	Liquid	mm	ø 6.35	ø 6.35	ø 6.35
		Gas	mm	ø 9.52	ø 9.52	ø 12.70
Between Indoor & Outdoor	Piping Length	Min / Standard / Max	m	3 / 7.5 / 20	3 / 7.5 / 20	3 / 7.5 / 20
		No Charge (Chargeless)	m	12.5	12.5	11.5
	Max. Elevation Difference		m	10	10	10
Compressor	Type		-	Inverter Twin Rotary	Inverter Twin Rotary	Inverter Twin Rotary
ACCESSORIES & OTHERS						
Multi Compatible				Y	Y	Y
PI 485				Y	Y	Y
Dry Contact				Y	Y	Y
Wired Remote Controller				Y	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-CO₂eq : 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.