Wi-Fi R32 **AI Air**

KOUDHÈ Airconditioning Warmtepompen Ventilatie

AI DUAL Inverter™ HeatPump

EUROVENT CERTIFIED PERFORMANCE www.eurovent-certification.com

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

- ThinQ UP / Pre-Cool & Heat by ThinQ App.
- 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.
- KW Manager adjusts operations based on your energy-saving goals.
- Proactive features like Human Detection and Window Open Detection reduce energy waste.
- All Cleaning, Auto Clean+, 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.
- ThinQ UP function is available. (Download new features, functionalities and so on via ThinQ App)

Single Combination

SET UNIT				AA09SBSS1	AA12SBSS1	AA18SBSS1
Cooling	Capacity	Min ~ Rated ~ Max	kW	0.89 ~ 2.5 ~ 4.0	0.89 ~ 3.5 ~ 4.35	0.9 ~ 5.0 ~ 5.5
	Power Input	Min ~ Rated ~ Max	W	160 ~ 510 ~ 1,400	160 ~ 815 ~ 1,500	210 ~ 1,545 ~ 1,940
	Running Current	Min ~ Rated ~ Max	A	1.3 ~ 3.1 ~ 6.0	1.3 ~ 3.75 ~ 6.5	1.6 ~ 6.9 ~ 9.0
	EER		W/W	4.9	4.29	3.24
	SEER		-	9.7	9.5	7.0
	P design C		kW	2.5	3.5	5.0
	Energy Label Grade (A+++ to D Scale)		-	A+++	A+++	A++
	Annual Energy Consumption		kWh	90	129	250
Heating	Capacity	Min ~ Rated ~ Max	kW	0.65 ~ 3.2 ~ 5.5	0.65 ~ 4.0 ~ 6.0	0.9 ~ 5.8 ~ 6.4
		Max (-7 °C)	kW	3.6	4.0	4.65
	Power Input	Min ~ Rated ~ Max	W	160 ~ 640 ~ 1,600	160 ~ 850 ~ 1,750	210 ~ 1,560 ~ 2,000
	Running Current	Min ~ Rated ~ Max	A	1.3 ~ 3.2 ~ 7.0	1.3 ~ 4.0 ~ 7.5	1.6 ~ 7.0 ~ 9.5
	COP		W/W	5.0	4.71	3.72
	SCOP (Average / Warmer)	Average (Warmer)	-	5.1 (6.1)	5.1 (6.1)	4.3 (5.6)
	P design H		kW	2.8	2.8	3.9
	Energy Label Grade (A+++ to D Scale)	Average (Warmer)	-	A+++ (A+++)	A+++ (A+++)	A+ (A+++)
	Annual Energy Consumption	Average (Warmer)	kWh	769 (344)	769 (344)	1,270 (534)
INDOOR UNIT				**AA09SBNS1**	**AA12SBNS1**	**AA18SBNS1**
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				Allegy Filter / Pre Filter (Washable)	Allegy Filter / Pre Filter (Washable)	Allegy Filter / Pre Filter (Washable)
Air Flow Rate	Cooling	L / M / H / SH	m^3/min	5.7 / 8.1 / 10.5 / 13.6	5.7 / 8.1 / 10.5 / 13.6	7.0 / 9.9 / 11.7 / 13.6
	Heating	L / M / H / SH	m^3/min	5.7 / 8.1 / 10.5 / 14.2	5.7 / 8.1 / 10.5 / 14.2	7.0 / 9.9 / 11.7 / 14.2
Sound Pressure Level	Cooling	SL / L / M / H / SH	dB(A)	19 / 27 / 35 / 40 / 47	19 / 27 / 35 / 40 / 47	29 / 34 / 39 / 44 / 49
	Heating	L / M / H / SH	dB(A)	27 / 35 / 40 / 48	27 / 35 / 40 / 48	34 / 39 / 44 / 50
Sound Power Level			dB(A)	60	60	60
Moisture Removal			l/h	1.15	1.3	1.8
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
Air Flow Rate		Max	m^3/min	35	35	35
Sound Pressure Level	Cooling	Rated	dB(A)	49	49	53
	Heating	Rated	dB(A)	51	51	55
Sound Power Level		Rated	dB(A)	60	60	65
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
Circuit Breaker			A	15	15	20
Power Supply Cable			No. × mm^2	3 x 1.0	3 x 1.0	3 x 1.5
Power and Communication Cable			No. × mm^2	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_2eq		kg	0.9 / 0.608	0.9 / 0.608	1.13 / 0.763
	Chargeless		m	12.5	12.5	7.5
	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
Piping Connection	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	7.5
	Max. Elevation Difference		m	10	10	10
Compressor	Type		-	DUAL Inverter HeamPump	DUAL Inverter HeamPump	DUAL Inverter HeamPump
ACCESSORIES & OTHERS						
Multi Compatible				Yes	Yes	Yes
PI485				Yes	Yes	Yes
Dry Contact				Yes	Yes	Yes
Wired Remote Controller				Yes	Yes	Yes

* : 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_2eq : F-gas(kg)*GWP/1,000
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.