



AI DUAL Inverter™



LG participates in the ECP programme for EUROVENT AC program. Check ongoing validity of certification : [www.eurovent-certification.com](http://www.eurovent-certification.com)

**AI-Advanced Care with Lower Energy Consumption**

- AI AIR: Your air conditioner takes care of everything effortlessly, ensuring optimal comfort by adapting its airflow with radar sensors tracking your location and ambient temperature via ThinQ.
- High SEER: Enjoy top performance and significant energy savings.
- Soft Air: Stay comfortably cool with ultra-fine settings for wind strength and temperature, avoiding any chill.
- Dual Vane: Multi-link technology optimizes control of two separate vanes, expanding the airflow range.
- Comfort Humidity Control: Maintain comfort without excess chill by finely adjusting airflow based on desired temperature and current humidity.
- AI kW Manager (Cooling Mode Only): Automatically sets energy-saving stages based on your target electricity and period information, ensuring efficient energy use.
- All Cleaning: The unit automatically operates from cleaning to drying, keeping the interior hygienic.
- Automatic Energy Saving: Detects open windows and activates Pro-Active Energy Saving Mode Control.
- Sleep Timer+ (Plus): Adjusts cooling temperature based on your air conditioner usage patterns for a restful night.
- Low Heating, Plasmaster™ Ionizer++, Allergy Filter, Freeze Cleaning: Ensure a cleaner, healthier, and more comfortable indoor environment.

**Single Combination**

EFFICIENT DATA				H09S1DA.SS1	H12S1DA.SS1	H18S1DA.SS1	H24S1DA.SS1
Capacity	Cooling	Min ~ Rated ~ Max	kW	0.89 / 2.5 / 3.8	0.89 / 3.5 / 4.2	0.9 / 5.0 / 5.5	0.9 / 6.6 / 7.42
	Heating	Min ~ Rated ~ Max	kW	0.65 / 3.2 / 4.9	0.65 / 4.0 / 5.4	0.9 / 5.8 / 6.4	0.9 / 7.5 / 8.64
	Heating -7 °C	Max	kW	3.3	3.6	4.65	6.00
Power Input	Cooling	Min ~ Rated ~ Max	W	180 / 555 / 1,260	180 / 890 / 1,400	210 / 1,545 / 1,940	210 / 2,164 / 2,500
	Heating	Min ~ Rated ~ Max	W	180 / 700 / 1,450	180 / 920 / 1,600	210 / 1,560 / 2,000	210 / 2,238 / 2,750
Running Current	Cooling	Min ~ Rated ~ Max	A	1.5 / 2.6 / 5.5	1.5 / 4.1 / 6.1	1.6 / 6.9 / 9.0	1.6 / 9.8 / 14.0
	Heating	Min ~ Rated ~ Max	A	1.5 / 3.2 / 6.3	1.5 / 4.25 / 7.0	1.6 / 7.0 / 9.5	1.6 / 10.0 / 14.0
EER			W/W	4.50	3.93	3.24	3.05
SEER			-	8.7	8.5	7.0	6.9
COP			W/W	4.57	4.35	3.72	3.35
SCOP (Average / Warmer)			-	4.6 / 5.7	4.6 / 5.7	4.3 / 5.6	4.3 / 5.6
P design C / P design H			kW	2.5 / 2.8	3.5 / 2.8	5.0 / 3.9	6.6 / 5.0
Energy Label Grade (A+++ to D Scale)	Cooling		-	A+++	A+++	A++	A++
	Heating (Average/Warmer)		-	A++ (A+++)	A+ (A+++)	A+ (A+++)	A+ (A+++)
Annual Energy Consumption	Cooling		kWh	101	144	250	335
	Heating (Average/Warmer)		kWh	852 (368)	852 (368)	1,270 (534)	1,626 (670)
INDOOR UNIT				H09S1DA.NS1	H12S1DA.NS1	H18S1DA.NS1	H24S1DA.NS1
Dimensions (W × H × D)	Net		mm	895 x 307 x 235	895 x 307 x 235	895 x 307 x 235	895 x 307 x 235
	Shipping		mm	967 x 383 x 296	967 x 383 x 296	967 x 383 x 296	967 x 383 x 296
Weight	Net		kg	11	11	12.8	12.8
Air Filter Type				Prefilter (Washable), Allegy Filter	Prefilter (Washable), Allegy Filter	Prefilter (Washable), Allegy Filter	Prefilter (Washable), Allegy Filter
Air Flow Rate	Cooling	SH / H / M / L	m <sup>3</sup> /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	14.6 / 12.3 / 10.1 / 7.3
	Heating	SH / H / M / L	m <sup>3</sup> /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	14.6 / 12.3 / 10.1 / 7.3
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	51 / 47 / 42 / 34 / 31
	Heating	SH / H / M / L	dB(A)	48 / 40 / 35 / 27	48 / 40 / 35 / 27	50 / 44 / 39 / 34	51 / 47 / 42 / 34
Sound Power Level			dB(A)	60	60	60	65
Dehumidification Rate			l/h	1.15	1.30	1.80	2.50
Drain Hose Size	O.D, I.D		mm	21.5, 16	21.5, 16	21.5, 16	21.5, 16
OUTDOOR UNIT				H09S1DA.U12	H12S1DA.U12	H18S1DA.U18	H24S1DA.U24
Dimensions (W × H × D)	Net		mm	717 x 495 x 230	717 x 495 x 230	770 x 545 x 288	870 x 650 x 330
	Shipping		mm	836 x 540 x 321	836 x 540 x 321	919 x 599 x 392	1,026 x 683 x 446
Weight	Net		kg	25.1	25.1	32.5	44.0
	Cooling		kg	-15 ~ 48	-15 ~ 48	-15 ~ 48	-15 ~ 48
Operation Range	Heating		°C DB	-15 ~ 24	-15 ~ 24	-15 ~ 24	-15 ~ 24
Power Supply			Ø, V, Hz	1, 220 ~ 240, 50	1, 220 ~ 240, 50	1, 220 ~ 240, 50	1, 220 ~ 240, 50
Sound Pressure Level	Cooling	Rated	dB(A)	49	49	53	54
	Heating	Rated	dB(A)	51	51	55	57
Sound Power Level			dB(A)	65	65	65	70
Air Flow Rate	Max		m <sup>3</sup> /min	27.0	27.0	35.0	49.0
Circuit Breaker			A	15	15	20	25
Power Supply Cable			No. × mm <sup>2</sup>	3 × 1.0	3 × 1.0	3 × 1.5	3 × 2.5
Power and Communication Cable			No. × mm <sup>2</sup>	4 × 1.0 (Including Earth)	4 × 1.0 (Including Earth)	4 × 1.0 (Including Earth)	4 × 1.0 (Including Earth)
Refrigerant	Type / GWP (Global Warming Potential)		-	R32 / 675	R32 / 675	R32 / 675	R32 / 675
	Pre Charged Amount / t-CO <sub>2</sub> eq		kg	0.8 / 0.540	0.8 / 0.540	1.13 / 0.763	1.15 / 0.776
	Chargeless		m	12.5	12.5	7.5	7.5
Piping	Additional Charge		g/m	20	20	20	20
	Size	Liquid	mm	ø 6.35	ø 6.35	ø 6.35	ø 6.35
Between Indoor & Outdoor	Piping Length	Gas	mm	ø 9.52	ø 9.52	ø 12.70	ø 15.88
		Min / Standard / Max	m	3 / 7.5 / 20	3 / 7.5 / 20	3 / 7.5 / 20	3 / 7.5 / 30
	Max. Elevation Difference	No Charge (Chargeless)	m	12.5	12.5	11.5	7.5
Compressor	Type		-	Inverter Twin Rotary	Inverter Twin Rotary	Inverter Twin Rotary	Inverter Twin Rotary
ACCESSORIES & OTHERS							
Multi Compatible				Y	Y	Y	Y
PI 485				-	-	Y	Y
Dry Contact				Y	Y	Y	Y
Wired Remote Controller				Y	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-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.