



AI DUAL Inverter™ HeatPump



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

- ThinQ UP / Pre-Cool & Heat by ThinQ App.
- 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.
- 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+ : Adjusts cooling temperature based on your air conditioner usage patterns for a restful night.
- Low Heating, Auto Clean+, Plasmaster™ Ionizer++, Allergy Filter, Freeze Cleaning : Ensure a cleaner, healthier, and more comfortable indoor environment.
- ThinQ UP function is available. (Download new features, functionalities and so on via ThinQ App)

Single Combination

SET UNIT			H09S1DA.SS1	H12S1DA.SS1	H18S1DA.SS1	H24S1DA.SS1	
Cooling	Capacity	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
	Power Input	Min ~ Rated ~ Max	W	180 ~ 555 ~ 1,260	180 ~ 890 ~ 1,400	210 ~ 1,545 ~ 1,940	210 ~ 2,164 ~ 2,500
	Running Current	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
	EER		W/W	4.50	3.93	3.24	3.05
	SEER		-	8.7	8.5	7.0	6.9
	P design C		kW	2.5	3.5	5.0	6.6
	Energy Label Grade (A+++ to D Scale)		-	A+++	A+++	A++	A++
	Annual Energy Consumption		kWh	101	144	250	335
Heating	Capacity	Min ~ Rated ~ Max Max (-7 °C)	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
	Power Input	Min ~ Rated ~ Max	W	180 ~ 700 ~ 1,450	180 ~ 920 ~ 1,600	210 ~ 1,560 ~ 2,000	210 ~ 2,238 ~ 2,750
	Running Current	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
	COP		W/W	4.57	4.35	3.72	3.35
	SCOP (Average / Warmer)	Average (Warmer)	-	4.6 (5.7)	4.6 (5.7)	4.3 (5.6)	4.3 (5.6)
	P design H		kW	2.8	2.8	3.9	5.0
	Energy Label Grade (A+++ to D Scale)	Average (Warmer)	-	A++ (A+++)	A++ (A+++)	A+ (A+++)	A+ (A+++)
	Annual Energy Consumption	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	11.0	11.0	12.8	12.8	
Air Filter Type			Allegry Filter / Pre Filter (Washable)	Allegry Filter / Pre Filter (Washable)	Allegry Filter / Pre Filter (Washable)	Allegry Filter / Pre Filter (Washable)	
Air Flow Rate	Cooling	L / M / H / SH	m³/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	7.3 / 10.1 / 12.3 / 14.6
	Heating	L / M / H / SH	m³/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	7.3 / 10.1 / 12.3 / 14.6
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	31 / 34 / 42 / 47 / 51
	Heating	L / M / H / SH	dB(A)	27 / 35 / 40 / 48	27 / 35 / 40 / 48	34 / 39 / 44 / 50	34 / 42 / 47 / 51
Sound Power Level			dB(A)	60	60	65	65
Moisture Removal		l/h		1.15	1.3	1.8	2.5
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	
Air Flow Rate	Max	m³/min	27	27	35	49	
Sound Pressure Level	Cooling	Rated	dB(A)	49	49	53	54
	Heating	Rated	dB(A)	51	51	55	57
Sound Power Level	Cooling	Rated	dB(A)	65	65	65	70
	Heating	Rated	dB(A)	65	65	65	70
Operation Range	Cooling	°C DB		-15 ~ 48	-15 ~ 48	-15 ~ 48	-15 ~ 48
	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	
Circuit Breaker	A		15	15	20	25	
Power Supply Cable	No. × mm²		3 × 1.0	3 × 1.0	3 × 1.5	3 × 2.5	
Power and Communication Cable	No. × mm²		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 ₂ 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 Gas	mm	Ø 6.35 Ø 9.52	Ø 6.35 Ø 9.52	Ø 6.35 Ø 12.7	Ø 6.35 Ø 15.88
Piping Connection	Piping Length	Min / Standard / Max	m	3 / 7.5 / 20	3 / 7.5 / 20	3 / 7.5 / 20	3 / 7.5 / 30
	No Charge (Chargeless)	m		12.5	12.5	7.5	7.5
	Max. Elevation Difference	m		10	10	10	15
Compressor	Type	-	DUAL Inverter HeamPump	DUAL Inverter HeamPump	DUAL Inverter HeamPump	DUAL Inverter HeamPump	
ACCESSORIES & OTHERS							
Multi Compatible			Yes	Yes	Yes	Yes	
PI485			-	-	Yes	Yes	
Dry Contact			Yes	Yes	Yes	Yes	
Wired Remote Controller			Yes	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-CO₂eq : F-gas(kg)*GWP/1,000

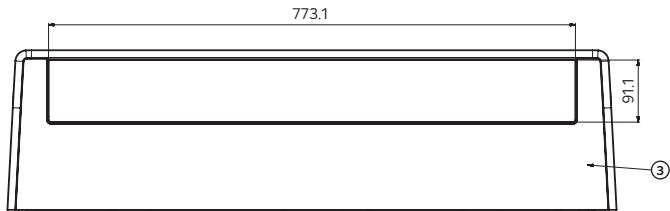
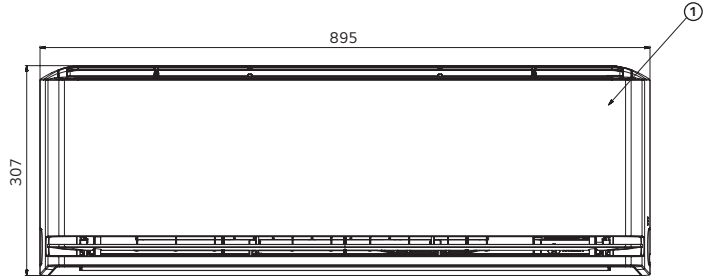
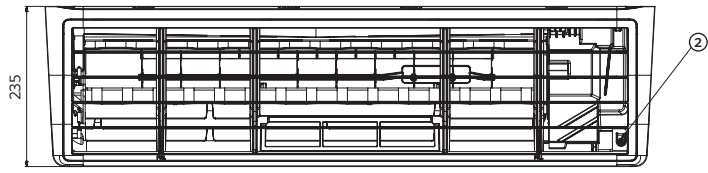
※ Y : Available or Applied / - : Not Available or Not Applied

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

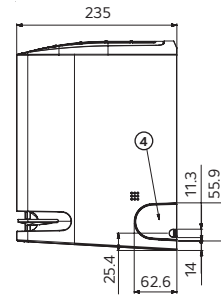
H09S1PA.NS1 / H12S1PA.NS1

H09S1DA.NS1 / H12S1DA.NS1 / H18S1DA.NS1 / H24S1DA.NS1

(Unit : mm)



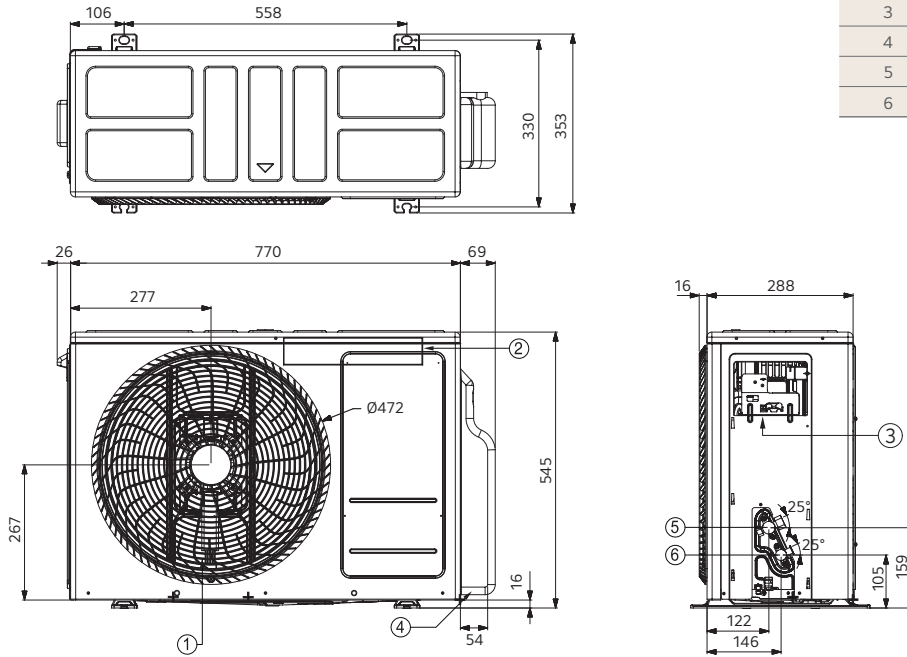
ITEM NO.	PART NAME	REMARK
1	Front Grill	
2	Air Filter	
3	Decor	
4	Knockout Hole	For Pipe and Cable



**A09GA2U.EEU / A12GA2U.EEU / A09GA1.U18 / A12GA1.U18
AA09SPU18 / AA12SPU18 / AA18SPU18
H09S1PA.U18 / H12S1PA.U18 / H18S1DA.U18
PZ18EYU.CL21 / EZ18CYU.CL21 / EZ18CSU.CL21**

(Unit : mm)

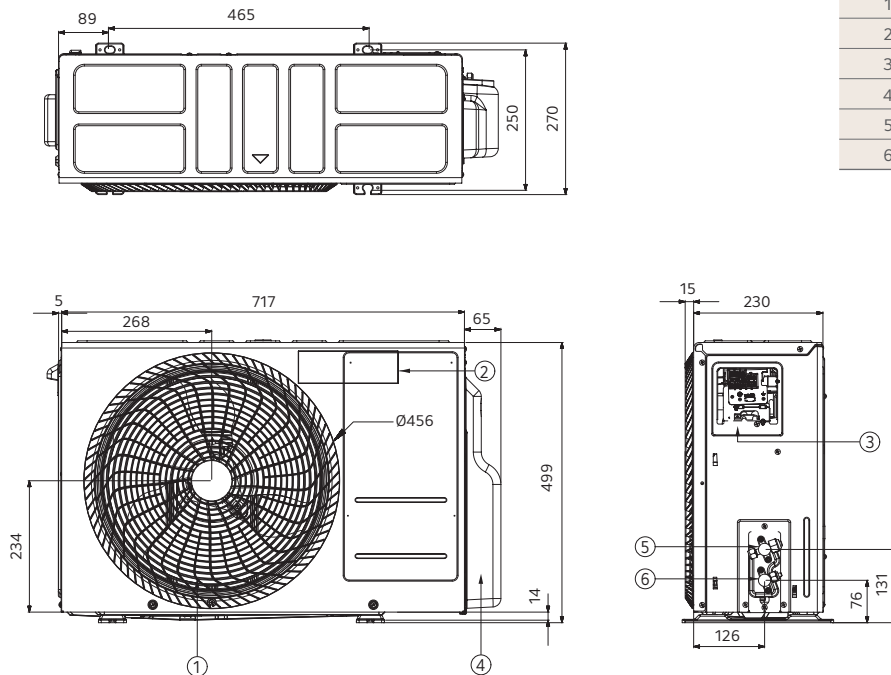
ITEM NO.	PART NAME
1	Air Outlet
2	Control Box
3	Power and Communication Cable Hole
4	Service Valve Cover
5	Gas Pipe Connection
6	Liquid Pipe Connection



**AC09BK.UA3 / AC12BK.UA3 / P09SND.U12A / P12SND.U12A
H09S1DA.U12 / H12S1DA.U12 / PZ09EYU.CA31 / PZ12EYU.CA31
EZ09CYU.CA31 / EZ12CYU.CA31 / EZ09CSU.CA31 / EZ12CSU.CA31**

(Unit : mm)

ITEM NO.	PART NAME
1	Air Outlet
2	Control Box
3	Power and Communication Cable Hole
4	Service Valve Cover
5	Gas Pipe Connection
6	Liquid Pipe Connection

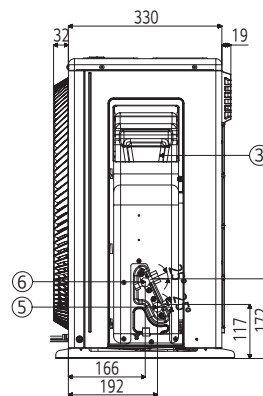
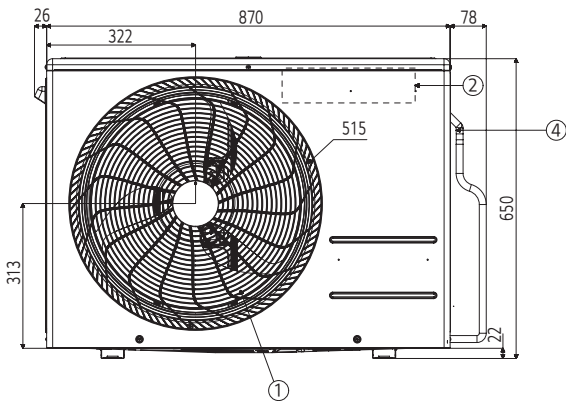
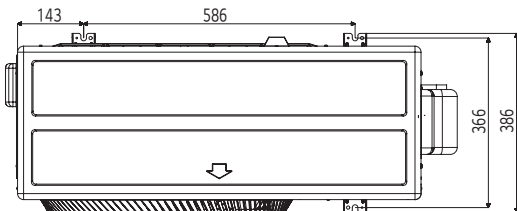


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AC24BK.U24 / H24S1DA.U24 / PZ24EYU.C241
EZ24CYU.C241 / EZ24CSU.C241

(Unit : mm)

ITEM NO.	PART NAME
1	Air Outlet
2	Control Box
3	Power and Communication Cable Hole
4	Service Valve Cover
5	Gas Pipe Connection
6	Liquid Pipe Connection



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