



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

Single Combination

UNIT				9K	12K	18K	24K
INDOOR				H09S1D.NS1	H12S1D.NS1	H18S1D.NS1	H24S1D.NS1
Capacity	Cooling	Min. / Rated / Max.	kW	0.89 / 2.50 / 3.80	0.89 / 3.50 / 4.20	0.90 / 5.00 / 5.50	0.90 / 6.60 / 7.42
	Heating	Min. / Rated / Max.	kW	0.65 / 3.20 / 4.90	0.65 / 4.00 / 5.40	0.90 / 5.80 / 6.40	0.90 / 7.50 / 8.64
	Heating -7°C	Rated	kW	3.30	3.60	4.20	6.00
Power Input	Cooling / Heating	Rated	W	555 / 700	890 / 920	1,545 / 1,560	2,164 / 2,238
EER			W/W	4.50	3.93	3.24	3.05
S.E.E.R.				8.70	8.50	7.00	6.90
P design C			kW	2.50	3.50	5.00	6.60
COP			W/W	4.57	4.35	3.72	3.35
S.C.O.P		(Average / Warmer)		4.60 / 5.70	4.60 / 5.70	4.30 / 5.60	4.30 / 5.60
P design H (Average / Warmer)			kW	2.80	2.80	3.90	5.00
Energy Label (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	103	144	250	335
	Heating	(Average / Warmer)	kWh	852 / 368	852 / 368	1,270 / 525	1,628 / 675
Sound Pressure*	Cooling	S / L / M / H	dB(A)	19 / 27 / 35 / 40	19 / 27 / 37 / 40	29 / 34 / 42 / 47	29 / 34 / 42 / 47
	Heating	L / M / H	dB(A)	27 / 35 / 40	27 / 35 / 40	34 / 42 / 47	34 / 42 / 47
Sound Power	Cooling		dB(A)	60	60	65	65
	Heating						
Air Flow Rate	Cooling	S / L / M / H / Max. (Power)	m³/min	2.0 / 5.7 / 8.1 / 10.5 / 13.6	2.0 / 5.7 / 8.1 / 10.5 / 13.6	- / 8.1 / 9.9 / 11.7 / 13.6	- / 8.1 / 9.9 / 11.7 / 14.8
	Heating	L / M / H	m³/min	5.7 / 8.1 / 10.5	5.7 / 8.1 / 10.5	8.1 / 9.9 / 11.7	8.1 / 11.1 / 13.6
Dehumidification Rate			l/h	1.15	1.3	1.8	2.5
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
Starting Current	Cooling / Heating	Rated	A	2.6 / 3.2	4.10 / 4.25	6.9 / 7.0	9.8 / 10.0
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	15	20
Power Supply Cable			N x mm²	3 x 1.0	3 x 1.0	3 x 1.0	3 x 2.5
Power & Transmission Cable			N x mm²	4 x 1.0 (Including Earth)	4 x 1.0 (Including Earth)	4 x 1.0 (Including Earth)	4 x 1.0 (Including Earth)
Dimension			mm	895 X 307 X 235	895 x 307 x 235	895 x 307 x 235	895 x 307 x 235
Net Weight			kg	11.0	11.0	12.5	12.5
Fan Motor Output			W	30	30	30	30
OUTDOOR				H09S1D.U12	H12S1D.U12	H18S1D.U18	H24S1D.U24
Operation Range	Cooling	Min. / Max.	°C DB	-15 / 48	-15 / 48	-15 / 48	-15 / 48
	Heating	Min. / Max.	°C DB	-10 / 24	-10 / 24	-10 / 24	-10 / 24
Sound Pressure*	Cooling / Heating	High	dB(A)	49 / 51	49 / 51	53 / 55	54 / 57
Sound Power	Cooling	High	dB(A)	65	65	65	70
Air Flow Rate		High	m³/min	27	27	35	49
Piping	Liquid (ODU / IDU)	Min. / Max.	m	3 / 20	3 / 20	3 / 20	3 / 20
	Elevation (ODU / IDU)	Min. / Max.	m	7	7	10	15
Piping Connection	Liquid	OD (Outside)	mm (inch)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)
	Gas	OD (Outside)	mm (inch)	9.52 (3/8)	9.52 (3/8)	12.7 (1/2)	15.88 (5/8)
Drain Hose Size		OD (Outside)	mm (inch)	21.5 (27/32)	21.5 (27/32)	21.5 (27/32)	21.5 (27/32)
Refrigerant	Type			R32	R32	R32	R32
	Charge at 7.5m		kg	0.800	0.800	1.050	1.150
	t-CO ₂ eq			0.540	0.540	0.710	0.780
	Additional Charge		g/m	20	20	20	20
	GWP			675	675	675	675
Fan Motor Output			W	43	43	43	85
Compressor Type				Twin Rotary	Twin Rotary	Twin Rotary	Inverter Twin Rotary
Net Weight			kg	25.1	25.1	34.4	46.0
Dimension			mm	717 x 495 x 230	717 x 495 x 230	770 x 545 x 288	870 x 650 x 330
ACCESSORIES & OTHERS							
Multi Compatible				Y	Y	Y	Y
PI 485				N	N	Y	Y
Dry Contact				Y	Y	Y	Y
Wired Remote Controller				Y	Y	Y	Y

Preliminary Data Only

* : 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

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

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