

3. Specifications

Buyer Model	Set (Indoor / Outdoor)		Unit	H24S1DA.SS1 (H24S1DA.NS1 / H24S1DA.U24)		
Factory Model				S3-M24121DA.EC6GEEU (S3NM24121DA.EC6GEEU / S3UM24121DA.EC6GEEU)		
Capacity	Cooling	Min ~ Rated ~ Max	kW	0,900	6,600	7,420
			Btu/h	3,072	22,535	25,335
	Cooling (T3)	Min ~ Rated ~ Max	kJ/h	-	-	-
			kW	-	-	-
	Heating	Min ~ Rated ~ Max	Btu/h	-	-	-
			kW	0,900	7,500	8,640
Power Input	Cooling (T3)	Min ~ Rated ~ Max	Btu/h	3,072	25,608	29,500
			kJ/h	-	-	-
	Heating	Min ~ Rated ~ Max	kW	-	6,000	-
			W	210	2,164	2,500
	Cooling (T3)	Min ~ Rated ~ Max	W	-	-	-
			W	210	2,238	2,750
Running Current	Cooling (T3)	Min ~ Rated ~ Max	A	1,60	9,80	14,00
			A	-	-	-
	Heating	Min ~ Rated ~ Max	A	1,60	10,00	14,00
			W	-	3,05	-
	EER		(Btu/h)/W	-	10,41	-
			(kJ/h)/W	-	-	-
EER (T3)	SEER		W	-	-	-
			(Btu/h)/W	-	-	-
	COP		W	-	6,9	-
			(Btu/h)/W	-	3,35	-
	SCOP		(kJ/h)/W	-	11,44	-
			W	-	-	-
P design C / P design H	Energy Label Grade	Cooling / Heating	-	-	4,3	-
			kW	-	6,6 / 5	-
	Annual Energy Consumption	Cooling / Heating	-	-	A++ / A+	-
			kWh/year	-	335 / 1626	-
	Weighted EER		(Btu/h)/W	-	-	-
			W	-	-	-
Power Supply	Available Voltage Range		Ø, V, Hz	-	1,220 ~ 240, 50	-
			V	-	187 ~ 276	-
	Power Factor	Cooling / Heating	%	-	97,0 / 97,0	-
			l/h	-	2,50	-
	Moisture Removal		l/h	-	14,6 / 12,3 / 10,1 / 7,3	-
			m³/min	-	14,6 / 12,3 / 10,1 / 7,3	-
Indoor	Air Flow Rate	Cooling, SH / H / M / L	m³/min	-	51 / 47 / 42 / 34 / 31	-
			m³/min	-	51 / 47 / 42 / 34 / 31	-
	Sound Pressure Level	Cooling, SH / H / M / L / SL	dB(A)	-	65	-
			dB(A)	-	65	-
	Sound Power Level	Cooling, SH / H / M / L	dB(A)	-	895 x 307 x 235	-
			dB(A)	-	967 x 383 x 296	-
	Dimensions (W × H × D)	Net	mm	-	12,8	-
			mm	-	15,2	-
	Weight	Shipping	kg	-	Munsell 7,5P 9/2 (RAL 9003)	-
			kg	-	49,0	-
Outdoor	Air Flow Rate	Max	m³/min	-	190 ~ 900	-
			rpm	-	190 ~ 850	-
	Fan Motor Speed	Cooling, Min ~ Max	rpm	-	54	-
			rpm	-	57	-
	Sound Pressure Level	Heating, Min ~ Max	dB(A)	-	70	-
			dB(A)	-	870 x 650 x 330	-
	Sound Power Level	Cooling, Rated	dB(A)	-	1026 x 683 x 446	-
			dB(A)	-	44	-
	Dimensions (W × H × D)	Net	mm	-	47	-
			mm	-	20	-
	Weight	Shipping	kg	-	Munsell 9,54Y 8,34/1,31 (RAL 9001)	-
			kg	-	-15 ~ 48	-
	Max. Fuse Size	Cooling	A	-	-15 ~ 24	-
			A	-	-15 ~ 18	-
	Exterior Color Code	Heating	°C DB	-	25	-
			°C DB	-	Outdoor	-
Circuit Breaker	Power Supply to Unit		°C WB	-	4 x 1	-
			A	-	ø 6,35	-
	Power and Communication Cable		No. × mm²	-	ø 15,88	-
			mm	-	Flared / Flared	-
Piping	Size	Liquid	mm	-	21,5 / 16	-
			mm	-	3 / 7,5 / 30	-
	Connections Method	Indoor / Outdoor	-	-	7,5	-
			-	-	15	-
Drain Hose Size	Piping Length	Min / Standard / Max	m	-	Both liquid and gas pipes	-
			m	-	-	-
	Max. Elevation Difference	No Charge	m	-	-	-
			m	-	-	-
Between Indoor & Outdoor	Piping Connection Heat Insulation		-	-	-	-
			-	-	-	-
	Note		-	-	-	-
			-	-	-	-

Note

- — : No Relation
- All power supply and communication cables and circuit breaker must comply with applicable local and national codes.
- Exterior color code is approximate value.
- It is difficult to measure air flow rate of deep because of small values
- Maximum heating capacity is for heating operation without any frost.
- Fan motor speed could vary ±20 rpm according to the operating conditions.
- It may cause reliability, performance, noise, and vibration problem, unless meeting the range of connecting pipe length. Keep the minimum piping length by making loops, although indoor unit and outdoor unit are close.

- This product contains fluorinated greenhouse gases
- Some specifications may be changed without notifications due to our policy of innovation.
- Test conditions are based on EN 14511 and EN 14825.

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Refrigerant	Type		-	R32
	Pre Charge		kg	1.150
	Additional Charge		g/m	20
	Control		-	Electronic Expansion Valve
	Global Warming Potential		-	675
Defrost Method			-	0.776
Tool Code (Chassis)		Indoor / Outdoor	-	Reverse Cycle
Compressor	Type		-	S1/U24A
	Model		-	Twin Rotary
	Motor Type		-	DKT176MAJ
	Oil Type / Maker		-	BLDC
	Oil Charge		cc	PVE (FW68D) / IDEMITSU
	O.L.P. Name		-	470
	Manufacturer / Country of Origin		-	-
Fan (Indoor)	Type		-	LG Electronics / China
	Motor Output		W	Cross Flow Fan
Fan (Outdoor)	Type		-	30
	Motor Type		-	Propeller Fan
	Motor Output		W	BLDC
	Motor Insulation		-	85
	Motor Enclosure / Ingress Protection		-	Class E
Heat Exchanger	Evaporator	Material, Tube / Fin	-	TEAO / IPX4
		(ϕ x Row x Column x FPI x L) x Qty.	-	Cu / Al
		(ϕ x Row x Column x FPI x L) x Qty.	#1	($\phi 7$ x 3 x 16 x 21 x 686.6) x 1
		(ϕ x Row x Column x FPI x L) x Qty.	#2	-
		(ϕ x Row x Column x FPI x L) x Qty.	#3	-
	Condenser	(ϕ x Row x Column x FPI x L) x Qty.	#4	-
		Corrosion Protection	-	PCM
		Fin Type	-	Slit
		Material, Tube / Fin	-	Cu / Al
		(ϕ x Row x Column x FPI x L) x Qty.	#1	($\phi 7$ x 2 x 28 x 18 x 938) x 1
		(ϕ x Row x Column x FPI x L) x Qty.	#2	-
		Corrosion Protection	-	Gold
		Fin Type	-	Corrugate

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