

3. Specifications

Buyer Model				H18S1DA.SS1 (H18S1DA.NS1 / H18S1DA.U18)		
Factory Model	Set (Indoor / Outdoor)		Unit	S3-M181L1DA.EC6GEEU (S3NM181L1DA.EC6GEEU / S3UM181L1DA.EC6GEEU)		
Capacity	Cooling	Min ~ Rated ~ Max	k/W	0,900	5,000	5,500
			Btu/h	3,072	17,072	18,779
	Cooling (T3)	Min ~ Rated ~ Max	k/W	-	-	-
			Btu/h	-	-	-
	Heating	Min ~ Rated ~ Max	k/W	0,900	5,800	6,400
			Btu/h	3,072	19,803	21,852
Power Input	Cooling	Min ~ Rated ~ Max	k/W	-	-	-
			Btu/h	-	-	-
	Cooling (T3)	Min ~ Rated ~ Max	k/W	210	1,545	1,940
			Btu/h	-	-	-
	Heating	Min ~ Rated ~ Max	k/W	210	1,560	2,000
			Btu/h	-	-	-
Running Current	Cooling	Min ~ Rated ~ Max	A	1,60	6,90	9,00
	Cooling (T3)	Min ~ Rated ~ Max	A	-	-	-
	Heating	Min ~ Rated ~ Max	A	1,60	7,00	9,50
EER			WW	3,24		
			(Btu/h)W	11,05		
			(kJ/h)W	-		
EER (T3)			WW	-		
			(Btu/h)W	-		
SEER			-	7		
			WW	3,72		
COP			(Btu/h)W	12,70		
			(kJ/h)W	-		
SCOP			-	4,3		
P design C / P design H			k/W	5 / 3,9		
Energy Label Grade		Cooling / Heating	-	A++ / A+		
Annual Energy Consumption		Cooling / Heating	kWh/year	250 / 1270		
Weighted EER			(Btu/h)W	-		
			WW	-		
Power Supply			Ø, V, Hz	1, 220 ~ 240, 50		
Available Voltage Range			V	187 ~ 276		
Power Factor		Cooling / Heating	%	97.0 / 97.0		
Moisture Removal			l/h	1,80		
Indoor	Air Flow Rate	Cooling, SH / H / M / L	m³/min	13.6 / 11.7 / 9.9 / 8.1		
		Heating, SH / H / M / L	m³/min	14.2 / 11.7 / 9.9 / 8.1		
	Sound Pressure Level	Cooling, SH / H / M / L / SL	dB(A)	49 / 44 / 39 / 34 / 29		
		Heating, SH / H / M / L	dB(A)	50 / 44 / 39 / 34		
	Sound Power Level		dB(A)	60		
	Dimensions (W × H × D)	Net	mm	895 x 307 x 235		
		Shipping	mm	967 x 383 x 296		
	Weight	Net	kg	12.8		
Shipping		kg	15,2			
Exterior Color Code			-	Munsell 7,5P 9/2 (RAL 9003)		
Outdoor	Air Flow Rate	Max	m³/min	35,0		
	Fan Motor Speed	Cooling, Min ~ Max	rpm	200 ~ 950		
		Heating, Min ~ Max	rpm	400 ~ 900		
	Sound Pressure Level	Cooling, Rated	dB(A)	53		
		Heating, Rated	dB(A)	55		
	Sound Power Level		dB(A)	65		
	Dimensions (W × H × D)	Net	mm	770 x 545 x 288		
		Shipping	mm	919 x 599 x 392		
	Weight	Net	kg	34,4		
Shipping		kg	37			
Max. Fuse Size			A	20		
Exterior Color Code			-	Munsell 9,54Y 8,34/1,31 (RAL 9001)		
Operation Range		Cooling	°C DB	-15 ~ 48		
		Heating	°C DB	-15 ~ 24		
		Heating	°C WB	-15 ~ 18		
Circuit Breaker			A	20		
Power Supply to Unit			-	Outdoor		
Power and Communication Cable			No. × mm²	4 × 1		
Piping	Size	Liquid	mm	ø 6,35		
		Gas	mm	ø 12,7		
	Connections Method	Indoor / Outdoor	-	Flared / Flared		
Drain Hose Size			O.D, I.D	mm		
Between Indoor & Outdoor	Piping Length	Min / Standard / Max	m	3 / 7.5 / 20		
		No Charge	m	7,5		
	Max. Elevation Difference		m	10		
		Piping Connection Heat Insulation		-	Both liquid and gas pipes	
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	1.130
	Additional Charge		g/m	20
	Control		-	Electronic Expansion Valve
	Global Warming Potential		-	675
	ECO ₂ eq		-	0.763
Defrost Method			-	Reverse Cycle
Tool Code (Chassis)	Indoor / Outdoor		-	S1 / U18A
Compressor	Type		-	Twin Rotary
	Model		-	DKT156MCA
	Motor Type		-	BLDC
	Oil Type / Maker		-	PVE (FW68D) / IDEMITSU
	Oil Charge		cc	400
	O.L.P. Name		-	-
Fan (Indoor)	Manufacturer / Country of Origin		-	LG Electronics / China
	Type		-	Cross Flow Fan
Fan (Outdoor)	Motor Output		W	30
	Type		-	Propeller Fan
	Motor Type		-	BLDC
	Motor Output		W	43
	Motor Insulation		-	Class E
Heat Exchanger	Motor Endosure / Ingress Protection		-	TEAO / IPX4
	Evaporator	Material, Tube / Fin	-	Cu / Al
		(ø x Row x Column x FPI x L) x Qty.	#1	(ø7 x 3 x 16 x 21 x 686.6) x 1
		(ø x Row x Column x FPI x L) x Qty.	#2	-
		(ø x Row x Column x FPI x L) x Qty.	#3	-
		(ø x Row x Column x FPI x L) x Qty.	#4	-
	Condenser	Corrosion Protection	-	PCM
		Fin Type	-	Slit
		Material, Tube / Fin	-	Cu / Al
		(ø x Row x Column x FPI x L) x Qty.	#1	(ø7 x 2 x 24 x 18 x 814) x 1
		(ø x Row x Column x FPI x L) x Qty.	#2	-
		Corrosion Protection	-	Gold
		Fin Type	-	Corrugate

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