

3. Specifications

Buyer Model				P09SND.SS0 (P09SND.NS0 / P09SND.U12A)		
Factory Model	Set (Indoor / Outdoor)		Unit	S3-M090A1H0.EC6GEEU (S3NM090A1H0.EC6GEEU / S3UM090A1H0.EC6GEEU)		
Capacity	Cooling	Min ~ Rated ~ Max	kW	0.890	2,500	3,600
			Btu/h	3,038	8,536	12,291
	Cooling (T3)	Min ~ Rated ~ Max	kJ/h	-	-	-
			kW	-	-	-
	Heating	Min ~ Rated ~ Max	Btu/h	-	-	-
			kW	0.650	3,200	4,600
Power Input	Cooling	Min ~ Rated ~ Max	Btu/h	2,219	10,926	15,706
			kJ/h	-	-	-
	Cooling (T3)	Min ~ Rated ~ Max	kW	-	3,300	-
			W	180	590	1,260
	Heating	Min ~ Rated ~ Max	W	-	-	-
			W	180	740	1,450
Running Current	Cooling	Min ~ Rated ~ Max	A	1.50	2.90	5.50
	Cooling (T3)	Min ~ Rated ~ Max	A	-	-	-
	Heating	Min ~ Rated ~ Max	A	1.50	3.50	6.30
EER			WW	4.24		
			(Btu/h)W	14.47		
			(kJ/h)W	-		
EER (T3)			WW	-		
			(Btu/h)W	-		
SEER			-	8.3		
			WW	4.32		
COP			(Btu/h)W	14.77		
			(kJ/h)W	-		
SCOP			-	4.6		
P design C / P design H			kW	2.5 / 2.7		
Energy Label Grade		Cooling / Heating	-	A++ / A++		
Annual Energy Consumption		Cooling / Heating	kWh/year	105 / 822		
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	1.15		
Indoor	Air Flow Rate	Cooling, SH / H / M / L	m³/min	12.7 / 10.3 / 7.6 / 4.8		
		Heating, SH / H / M / L	m³/min	13.0 / 10.3 / 7.6 / 4.8		
	Sound Pressure Level	Cooling, SH / H / M / L / SL	dB(A)	48 / 42 / 35 / 27 / 19		
		Heating, SH / H / M / L	dB(A)	48 / 42 / 35 / 27		
	Sound Power Level		dB(A)	60		
	Dimensions (W × H × D)	Net	mm	799 x 307 x 235		
		Shipping	mm	871 x 383 x 296		
Weight	Net	kg	10			
	Shipping	kg	12.2			
Exterior Color Code			-	Munsell 7.5P 9/2 (RAL 9003)		
Outdoor	Air Flow Rate	Max	m³/min	27.0		
	Fan Motor Speed	Cooling, Min ~ Max	rpm	200 ~ 1000		
		Heating, Min ~ Max	rpm	500 ~ 1000		
	Sound Pressure Level	Cooling, Rated	dB(A)	48		
		Heating, Rated	dB(A)	51		
	Sound Power Level		dB(A)	60		
	Dimensions (W × H × D)	Net	mm	717 x 495 x 230		
		Shipping	mm	836 x 540 x 321		
	Weight	Net	kg	25		
Shipping		kg	26.5			
Max. Fuse Size			A	15		
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	15		
Power Supply to Unit			-	Outdoor		
Power and Communication Cable			No. × mm²	4 × 1		
Piping	Size	Liquid	mm	ø 6.35		
		Gas	mm	ø 9.52		
	Connections Method	Indoor / Outdoor	-	Flared / Flared		
Drain Hose Size			O.D. I.D	mm	21.5, 16	
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	0.730
	Additional Charge		g/m	20
	Control		-	Electronic Expansion Valve
	Global Warming Potential		-	675
Defrost Method			-	0.493
Tool Code (Chassis)		Indoor / Outdoor	-	Reverse Cycle
Compressor	Type		-	SJ / UA3
	Model		-	Twin Rotary
	Motor Type		-	DST128MCA
	Oil Type / Maker		-	BLDC
	Oil Charge		cc	PVE (FW68D) / IDEMITSU
	O.L.P. Name		-	330
Fan (Indoor)	Manufacturer / Country of Origin		-	-
			-	LG Electronics / China
Fan (Outdoor)	Type		-	Cross Flow Fan
	Motor Output		W	30
	Type		-	Propeller Fan
	Motor Type		-	BLDC
	Motor Output		W	43
Heat Exchanger	Evaporator	Material, Tube / Fin	-	Cu / Al
		(ø x Row x Column x FPI x L) x Qty.	#1	(ø7 x 2 x 16 x 20 x 592.4) 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 22 x 18 x 667) x 1
		(ø x Row x Column x FPI x L) x Qty.	#2	-
		Corrosion Protection	-	Gold
		Fin Type	-	Corrugate

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