

3. Specifications

Buyer Model				P12SND.SS0 (P12SND.NS0 / P12SND.U12A)		
Factory Model	Set (Indoor / Outdoor)		Unit	S3-M120A1H0.EC6GEEU (S3NM120A1H0.EC6GEEU / S3UM120A1H0.EC6GEEU)		
Capacity	Cooling	Min ~ Rated ~ Max	k/W	0,890	3,500	4,050
			Btu/h	3,038	11,950	13,828
	Cooling (T3)	Min ~ Rated ~ Max	k/W	-	-	-
			Btu/h	-	-	-
	Heating	Min ~ Rated ~ Max	k/W	0,650	3,700	5,000
			Btu/h	2,219	12,633	17,072
Power Input	Cooling	Min ~ Rated ~ Max	k/h	-	-	-
			k/W	-	3,600	-
	Cooling (T3)	Min ~ Rated ~ Max	W	180	933	1,400
			W	-	-	-
	Heating	Min ~ Rated ~ Max	W	180	900	1,600
			A	1,50	4,30	6,10
Running Current	Cooling (T3)	Min ~ Rated ~ Max	A	-	-	-
			A	1,50	4,15	7,00
	Heating	Min ~ Rated ~ Max	A	-	-	-
EER			WW	3,75		
			(Btu/h)/W	12,81		
			(k/h)/W	-		
EER (T3)			WW	-		
			(Btu/h)/W	-		
SEER			-	7,6		
			WW	4,11		
COP			(Btu/h)/W	14,04		
			(k/h)/W	-		
SCOP			-	4,6		
P design C / P design H			k/W	3,5 / 2,7		
Energy Label Grade		Cooling / Heating	-	A++ / A++		
Annual Energy Consumption		Cooling / Heating	kWh/year	161 / 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	1,30		
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		
Outdoor	Weight	Net	kg	10		
		Shipping	kg	12,2		
	Exterior Color Code		-	Munsell 7,5P 9/2 (RAL 9003)		
	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			
Indoor	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 x 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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Factory Model				S3-M120A1H0.EC6GEEU (S3NM120A1H0.EC6GEEU / S3UM120A1H0.EC6GEEU)
Refrigerant	Type		-	R32
	Pre Charge		kg	0.730
	Additional Charge		g/m	20
	Control		-	Electronic Expansion Valve
	Global Warming Potential		-	675
	t-CO ₂ eq		-	0.493
Defrost Method			-	Reverse Cycle
Tool Code (Chassis)	Indoor / Outdoor		-	S0 / U12A
Compressor	Type		-	Twin Rotary
	Model		-	DST128MCA
	Motor Type		-	BLDC
	Oil Type / Maker		-	PVE (FW68D) / IDEMITSU
	Oil Charge		cc	330
	O.L.P. Name		-	-
	Manufacturer / Country of Origin		-	LG Electronics / China
Fan (Indoor)	Type		-	Cross Flow Fan
	Motor Output		W	30
Fan (Outdoor)	Type		-	Propeller Fan
	Motor Type		-	BLDC
	Motor Output		W	43
	Motor Insulation		-	Class E
	Motor Enclosure / Ingress Protection		-	TEAO / IPX4
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	
Note				
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