

1. Specification

Buyer Model		Single split Model							
Factory Model		AC09BQ.SSJ (AC09BQ.NSJ / AC09BQ.UA3) S3-M09JARZA (S3NM09JARZA / S3UM09JARZA)			AC12BQ.SSJ (AC12BQ.NSJ / AC12BQ.UA3) S3-M12JARZA (S3NM12JARZA / S3UM12JARZA)				
Set (Indoor / Outdoor)		Unit							
Capacity	Cooling	Min - Rated - Max	kW	0.89	2.50	3.70	0.89	3.50	4.04
	Heating	Min - Rated - Max	Btu/h	3,039	8,536	12,633	3,039	11,950	13,794
			kW	0.89	3.30	4.10	0.89	4.00	5.10
	Heating -7 °C	Rated	Btu/h	3,039	11,268	13,990	3,039	13,658	17,414
Power Input	Cooling	Min - Rated - Max	W	200	656	1,400	200	1,080	1,400
	Heating	Min - Rated - Max	W	195	800	1,600	195	1,050	1,600
			kW	0.89	3.30	4.10	0.89	4.00	5.10
Running Current	Cooling	Min - Rated - Max	A	1.10	3.3	6	1.10	4.7	6
	Heating	Min - Rated - Max	A	1.10	4.0	7	1.10	4.7	7
			W/W		3.81			3.24	
EER			(Btu/h)W		13.01			11.06	
SEER			-		7.0			6.6	
COP			W/W		4.13			3.81	
			(Btu/h)W		14.09			13.01	
SCOP			-		4.0			4.0	
Energy Label Grade	Cooling / Heating				A++ / A+			A++ / A+	
Annual Energy Consumption	Cooling / Heating		kWh/year		125 / 875			186 / 875	
Power Supply			Ø, V, Hz	1	220-240	50	1	220-240	50
Available Voltage Range			V		187 - 276			187 - 276	
Power Factor	Cooling / Heating		%		93.0 / 94.0			97.0 / 97.0	
Moisture Removal			l/h		1.1			1.3	
Indoor	Air Flow Rate	Cooling, Max / H / M / L	m ³ /min	12.5 / 10.0 / 7.5 / 4.2			12.5 / 10.0 / 7.5 / 4.2		
		Heating, Max / H / M / L	m ³ /min	13 / 10.0 / 7.2 / 5.6			13 / 10.0 / 7.2 / 5.6		
	Sound Pressure Level	Cooling, H / M / L / SL	dB(A)	41 / 35 / 27 / 19			41 / 35 / 27 / 19		
		Heating, H / M / L	dB(A)	41 / 35 / 27			41 / 35 / 27		
	Sound Power Level		dB(A)	59			59		
	Dimensions (W x H x D)	Net	mm	837	308	192	837	308	192
		Shipping	mm	918	388	261	918	388	261
	Weight	Net	kg	9.9			9.9		
		Shipping	kg	13.5			13.5		
	Exterior Color Code			Munsell 7.5PB 0.2/20			Munsell 7.5PB 0.2/20		
			RAL 9005			RAL 9005			
Outdoor	Air Flow Rate	Max	m ³ /min	27			27		
	Sound Pressure Level	Cooling, Rated	dB(A)	48			48		
		Heating, Rated	dB(A)	50			50		
	Sound Power Level		dB(A)	65			65		
	Dimensions (W x H x D)	Net	mm	717	483	230	717	483	230
		Shipping	mm	837	530.5	317	837	530.5	317
	Weight	Net	kg	26.0			26.0		
		Shipping	kg	27.8			27.8		
	Max. Fuse Size		A	15			15		
	Exterior Color Code			Munsell 9.54Y 8.34/1.31			Munsell 9.54Y 8.34/1.31		
			RAL 9001			RAL 9001			
Operation Range	Cooling	°C DB	-10 ~ 48			-10 ~ 48			
	Heating	°C WB	-10 ~ 18			-10 ~ 18			
Compressor	Type		Twin Rotary			Twin Rotary			
	Model		DST102MAA			DST102MAA			
	Motor Type		BLDC			BLDC			
	Oil Type / Maker		FW68D			FW68D			
	Oil Charge	cc	280			280			
	O.L.P. Name		-			-			
	Manufacturer / Country of Origin		LG Electronics / China			LG Electronics / China			
Fan(Indoor)	Type		Cross Flow Fan			Cross Flow Fan			
	Motor Output	W	30			30			
Fan(Outdoor)	Type		Propeller Fan			Propeller Fan			
	Motor Type		BLDC			BLDC			
	Motor Output	W	43			43			
	Motor Insulation		Class E			Class E			
	Motor Enclosure / Ingress Protection		TEAO		IPX4	TEAO		IPX4	
Heat Exchanger	Evaporator	Material, Tube / Fin		Cu / Al			Cu / Al		
		Fin Spacing	FPI	21			21		
		Corrosion Protection		PCM			PCM		
	Condenser	Material, Tube / Fin		Cu / Al			Cu / Al		
		Fin Spacing	FPI/FPDM	18 FPI			18 FPI		
	Corrosion Protection		Gold			Gold			
Circuit Breaker		A	15			15			
Power Supply Cable		No. x mm ²	3 x 1.0			3 x 1.0			
Power Supply to Unit			Outdoor			Outdoor			
Power and Transmission Cable		No. x mm ²	4 x 1.0			4 x 1.0			
Piping	Size	Liquid	mm	Ø 6.35			Ø 6.35		
			in.	Ø 1/4			Ø 1/4		
		Gas	mm	Ø 9.52			Ø 9.52		
			in.	Ø 3/8			Ø 3/8		
	Connections Method	Indoor / Outdoor		Flared / Flared			Flared / Flared		
Drain Hose Size	O.D. I.D.	mm	21.5, 16.0			21.5, 16.0			
Between Indoor & Outdoor	Piping Length	Min / Standard / Max	m	3	7.5	15	3	7.5	15
		No Charge	m	7.5			7.5		
	Max. Elevation Difference	m	7			7			
Refrigerant	Type		R32			R32			
	Pre Charge	g	700			700			
	Additional Charge	g/m	20			20			
	Control		Electronic Expansion Valve			Electronic Expansion Valve			
Defrost Method			Reverse Cycle			Reverse Cycle			
Tool Code (Chassis)	Indoor / Outdoor		SJ / UA3			SJ / UA3			

Note

- : No Relation
- For Circuit Breaker Rating, please conform to local standards whenever necessary.
- Exterior color code is approximate value.
- Due to our policy of innovation some specifications may be changed without notifications.

Conversion Formula

$$\text{kW} = \text{Btu/h} \times 0.0002931$$

$$\text{CFM} = \text{CMM} \times 35.3$$

Multi Model

Buyer Model	Indoor		Unit	AC09BQ NSJ			AC12BQ NSJ		
Factory Model				S3NM09JARZA			S3NM12JARZA		
Power Supply			Ø, V, Hz	1, 220-240, 50			1, 220-240, 50		
Power Input	Cooling		W	30			30		
	Heating		W	30			30		
Running Current	Cooling		A	0.2			0.2		
	Heating		A	0.2			0.2		
Indoor	Air Flow Rate	H / M / L	m ³ /min	10.0/7.5/4.2			10.0/7.5/4.2		
	Sound Pressure Level	H / M / L	dB(A)	41/35/27			41/35/27		
	Sound Power Level		dB(A)	59			59		
	Dimensions (W x H x D)	Net	mm	837	308	192	837	308	192
		Shipping	mm	918	387	265	918	387	265
	Weight	Net	kg	9.9			9.9		
Shipping		kg	13.5			13.5			
Fan(Indoor)	Type		-	Cross Flow Fan			Cross Flow Fan		
	Motor Output		W	30			30		
Piping	Size	Liquid	mm	Ø 6.35			Ø 6.35		
		Gas	mm	Ø 9.52			Ø 9.52		
Connections Method	Indoor		-	Flared			Flared		
Drain Hose Size	O.D, I.D	mm		21.5, 16.0			21.5, 16.0		
Defrost Method			-	Reverse Cycle			Reverse Cycle		
Tool Code (Chassis)	Indoor		-	SJ			SJ		

Note:

1. Capacities are based on the following conditions:

- Cooling: - Indoor Temperature 27 °C (80.6 °F) DB / 19 °C (66.2 °F) WB
- Outdoor Temperature 35 °C (95 °F) DB / 24 °C(75.2 °F) WB
- Heating: - Indoor Temperature 20 °C (68 °F) DB / 15 °C(59 °F) WB
- Outdoor Temperature 7 °C (44.6 °F) DB / 6 °C(42.8 °F) WB

Piping Length - Interconnecting Piping Length 7.5 m
- Level Difference of Zero

2. Wiring cable size must comply with the applicable local and national code.

3. The specification may be subject to change without prior notice for purpose of improvement.

Conversion Formula
kW = Btu/h x 0.0002931
cfm = CMM x 35.3