

3. Specifications

Buyer Model Factory Model	Set (Indoor / Outdoor)		Unit	S09ET.SSJ (S09ET.NS/J / S09ET.UA3)			S12ET.SSJ (S12ET.NS/J / S12ET.UA3)		
				S3-M09JA3FA (S3NM09JA3FA / S3UM09JA3FA)			S3-M12JA3FA (S3NM12JA3FA / S3UM12JA3FA)		
Capacity	Cooling	Min ~ Rated ~ Max	kW	0.89	2.50	3.70	0.89	3.50	4.04
			Btu/h	3,039	8,536	12,633	3,039	11,950	13,794
	Cooling (T3)	Min ~ Rated ~ Max	kW	-	-	-	-	-	-
			Btu/h	-	-	-	-	-	-
Power Input	Heating	Min ~ Rated ~ Max	kW	0.89	3.30	4.10	0.89	4.00	5.10
			Btu/h	3,039	11,268	13,990	3,039	13,658	17,414
	Heating -7 °C	Rated	kW	-	2.60	-	-	3.00	-
			W	200	656	1,400	200	1,080	1,400
Running Current	Cooling	Min ~ Rated ~ Max	W	195	-	-	195	-	-
	Cooling (T3)	Min ~ Rated ~ Max	W	195	800	1,600	195	1,050	1,600
	Heating	Min ~ Rated ~ Max	W	195	800	1,600	195	1,050	1,600
EER	Cooling	Min ~ Rated ~ Max	A	1.10	3.30	6.00	1.10	4.70	6.00
	Cooling (T3)	Min ~ Rated ~ Max	A	-	-	-	-	-	-
	Heating	Min ~ Rated ~ Max	A	1.10	4.00	7.00	1.10	4.70	7.00
SEER			W/W	3.81			3.24		
			(Btu/h)/W	13.01			11.06		
COP			W/W	-			-		
			(Btu/h)/W	-			-		
SCOP				7.00			6.60		
				4.13			3.81		
P design C / P design H				14.09			13.01		
				4.00			4.00		
Energy Label Grade	Cooling / Heating			2.5 / 2.5			3.5 / 2.5		
Annual Energy Consumption	Cooling / Heating			A++ / A+			A++ / A+		
Power Supply			kWh/year	125 / 875			186 / 875		
Available Voltage Range			Ø, V, Hz	1, 220-240, 50			1, 220-240, 50		
Power Factor	Cooling / Heating		V	187 ~ 276			187 ~ 276		
Moisture Removal			%	93 / 94			97 / 97		
Indoor	Air Flow Rate	Cooling, Max / H / M / L	l/h	1.10			1.30		
		Heating, Max / H / M / L	m³/min	12.5 / 10.0 / 7.5 / 4.2			12.5 / 10.0 / 7.5 / 4.2		
	Sound Pressure Level	Cooling, Max / H / M / L / SL	m³/min	13.0 / 10.0 / 7.2 / 5.6			13.0 / 10.0 / 7.2 / 5.6		
		Heating, Max / H / M / L	dB(A)	45 / 41 / 35 / 27 / 19			45 / 41 / 35 / 27 / 19		
	Sound Power Level		dB(A)	45 / 41 / 35 / 27			45 / 41 / 35 / 27		
	Dimensions (W x H x D)	Net	mm	59			59		
		Shipping	mm	837 x 308 x 189			837 x 308 x 189		
	Weight	Net	kg	882 x 385 x 253			882 x 385 x 253		
	Shipping	kg	8.7			8.7			
Exterior Color Code			kg	11.7			11.7		
Outdoor	Air Flow Rate	Max		Munsell 7.5BG 10/2 (RAL 9016)			Munsell 7.5BG 10/2 (RAL 9016)		
	Fan Motor Speed	Cooling, Min ~ Max	m³/min	27.0			27.0		
		Heating, Min ~ Max	rpm	230 ~ 1000			200 ~ 1000		
	Sound Pressure Level	Cooling, Rated	rpm	230 ~ 1000			200 ~ 1000		
		Heating, Rated	dB(A)	48			48		
	Sound Power Level		dB(A)	50			50		
	Dimensions (W x H x D)	Net	dB(A)	65			65		
		Shipping	mm	717 x 495 x 230			717 x 495 x 230		
	Weight	Net	mm	836 x 540 x 321			836 x 540 x 321		
		Shipping	kg	25.1			25.1		
	Max. Fuse Size		kg	27.2			27.2		
	Exterior Color Code		A	15			15		
Operation Range	Cooling	°C DB		Munsell 9.54Y 8.34/1.31 (RAL 9001)			Munsell 9.54Y 8.34/1.31 (RAL 9001)		
	Heating	°C DB		-10 ~ 48			-10 ~ 48		
	Heating	°C WB		-10 ~ 24			-10 ~ 24		
				-10 ~ 18			-10 ~ 18		
Circuit Breaker				15			15		
Power Supply Cable			No. x mm²	3 x 1			3 x 1		
Power and Communication Cable				Outdoor			Outdoor		
Piping	Size	Liquid		4 x 1			4 x 1		
		Gas	mm	ø 6.35			ø 6.35		
Connections Method	Indoor / Outdoor			ø 9.52			ø 9.52		
Drain Hose Size	O.D, I.D			Flared / Flared			Flared / Flared		
Between Indoor & Outdoor	Piping Length	Min / Standard / Max	mm	21.5, 16.0			21.5, 16.0		
	Max. Elevation Difference	No Charge	m	3 / 7.5 / 15			3 / 7.5 / 15		
	Piping Connection Heat Insulation		m	7.5			7.5		
Refrigerant	Type			7			7		
	Pre Charge			Both liquid and gas pipes			Both liquid and gas pipes		
	Additional Charge			R32			R32		
	Control			700			700		
	Global Warning Potential			20			20		
Defrost Method				Electronic Expansion Valve			Electronic Expansion Valve		
Tool Code (Chassis)	Indoor / Outdoor			675			675		
				0.473			0.473		
				Reverse Cycle			Reverse Cycle		
				SJ / UA3			SJ / UA3		

- 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 sleep 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.

3. Specifications

Buyer Model	Set (Indoor / Outdoor)		Unit	S09ET.SSJ (S09ET.NSJ / S09ET.UA3)	S12ET.SSJ (S12ET.NSJ / S12ET.UA3)	
Factory Model				S3-M09JA3FA (S3NM09JA3FA / S3UM09JA3FA)	S3-M12JA3FA (S3NM12JA3FA / S3UM12JA3FA)	
Compressor	Type	-	-	Twin Rotary	Twin Rotary	
	Model	-	-	DST102MAA	DST102MAA	
	Motor Type	-	-	BLDC	BLDC	
	Oil Type / Maker	-	-	PVE (FW68D) / IDEMITSU	PVE (FW68D) / IDEMITSU	
	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	
		(ϕ x Row x Column x FPI x L) x Qty.	#1	($\phi 7 \times 2 \times 15 \times 21 \times 616.8$) x 1	($\phi 7 \times 2 \times 15 \times 21 \times 616.8$) 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	-	-	
		(ϕ x Row x Column x FPI x L) x Qty.	#4	-	-	
		Corrosion Protection	-	PCM	PCM	
	Condenser	Fin Type	-	-	Slit	Slit
		Material, Tube / Fin	-	-	Cu / Al	Cu / Al
		(ϕ x Row x Column x FPI x L) x Qty.	#1	($\phi 7 \times 2 \times 22 \times 18 \times 667$) x 1	($\phi 7 \times 2 \times 22 \times 18 \times 667$) x 1	
		(ϕ x Row x Column x FPI x L) x Qty.	#2	-	-	
		Corrosion Protection	-	Gold	Gold	
		Fin Type	-	Corrugate	Corrugate	
Note				<ul style="list-style-type: none"> 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. 		
<ul style="list-style-type: none"> - : 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 sleep 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. 						

4. Function List

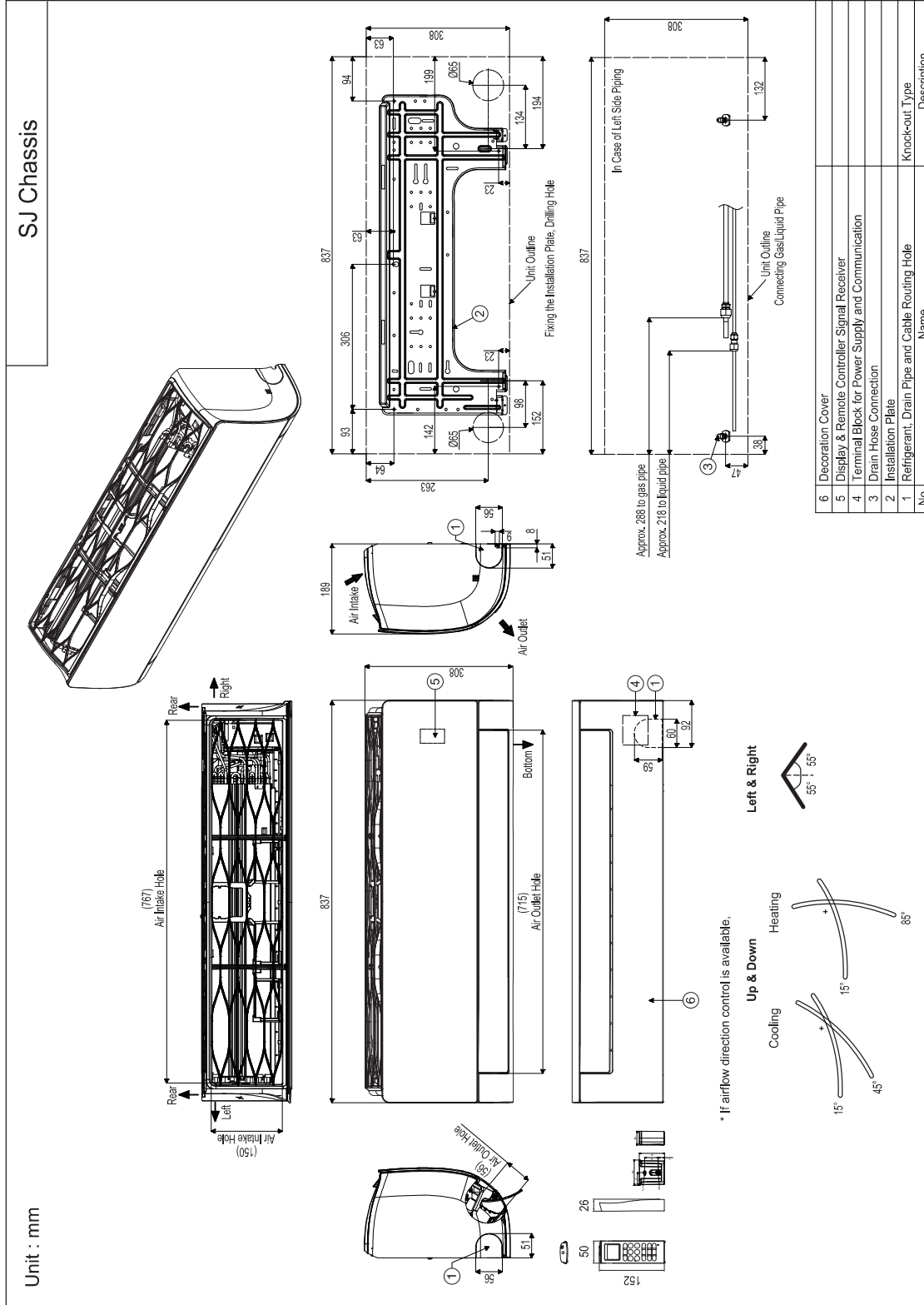
Category	Function	S09ET.SSJ	S12ET.SSJ	S18ET.SSK	S24ET.SSK
		S3-M09JA3FA	S3-M12JA3FA	S3-M18KL3FA	S3-M24K23FA
Air Flow	Air Supply Outlet	1	1	1	1
	Airflow Direction Control (Left & Right)	5 Steps	5 Steps	5 Steps	5 Steps
	Airflow Direction Control (Up & Down)	6 Steps	6 Steps	6 Steps	6 Steps
	Auto Swing (Left & Right)	○	○	○	○
	Auto Swing (Up & Down)	○	○	○	○
	Fan Speed Steps (Fan / Cool / Heat)	6 / 6 / 6	6 / 6 / 6	6 / 6 / 6	6 / 6 / 6
	Natural Wind (Auto Wind)	○	○	○	○
	Jet Cool / Jet Heat (Power Wind)	○ / ○	○ / ○	○ / ○	○ / ○
	Comfort Air	○	○	○	○
Air Purifying	Pre-filter (Washable / Anti-Bacteria)	○	○	○	○
	Deodorizing Filter	X	X	X	X
	Micro Dust Filter	X	X	X	X
	Allergy Filter	X	X	X	X
	Plasma Air Purifier (Ionizer)	X	X	X	X
Installation	Drain Pump	X	X	X	X
	Hot Start	○	○	○	○
Reliability	Self Diagnosis	○	○	○	○
	De-ice Control (Defrost)	○	○	○	○
	Dry (Dehumidification) Operation	○	○	○	○
	Auto Changeover	○	○	○	○
Convenience	Auto Operation (Artificial Intelligence)	X	X	X	X
	Auto Cleaning (Coil Dry)	○	○	○	○
	Auto Restart Operation	○	○	○	○
	Child Lock ¹	○	○	○	○
	Forced Operation	○	○	○	○
	Group Control ¹	X	X	X	X
	Sleep Mode	7hr	7hr	7hr	7hr
	Timer 24hr (On/Off) / 7hr (Off)	○ / X	○ / X	○ / X	○ / X
	Timer (Weekly) ¹	○	○	○	○
	Two Thermistor Control ¹	○	○	○	○
	Low Ambient Operation	○	○	○	○
	Overheating Protection	○	○	○	○
	Low Heating	X	X	X	X
	Voice Control	X	X	X	X
	Smart Scan (PIR)	X	X	X	X
	LG AC Tag On (NFC)	X	X	X	X
	Outdoor Silent Mode	○	○	○	○
	Mosquito Away	X	X	X	X
	Smart Diagnosis	○	○	○	○
	Indoor Unit Display Type	Number Display	Number Display	Number Display	Number Display
Indoor Unit Display Light	On/Off	On/Off	On/Off	On/Off	
Energy Saving	Energy Display	○	○	○	○
	Energy Saving	X	X	X	X
	Energy Control	Active Energy Control	Active Energy Control	Active Energy Control	Active Energy Control
	Gen Mode	X	X	X	X
Individual Control	Wired Remote Controller (Premium) ²	X	X	X	X
	Wired Remote Controller (Standard) ²	PREMTB(0/B)01 / PREMTB(10/B1)0	PREMTB(0/B)01 / PREMTB(10/B1)0	PREMTB(0/B)01 / PREMTB(10/B1)0	PREMTB(0/B)01 / PREMTB(10/B1)0
	Wired Remote Controller (Simple with Mode Selection) ²	PQRCVCL0Q(W)	PQRCVCL0Q(W)	PQRCVCL0Q(W)	PQRCVCL0Q(W)
	Wired Remote Controller (Simple without Mode Selection) ²	PQRCHCA0Q(W)	PQRCHCA0Q(W)	PQRCHCA0Q(W)	PQRCHCA0Q(W)
	Handheld Wireless Controller	(See Remote Controller Section) AKB74955603	(See Remote Controller Section) AKB74955603	(See Remote Controller Section) AKB74955603	(See Remote Controller Section) AKB74955603
	Setting Temperature Range (Cooling)	18~30 °C (64~86 °F)	18~30 °C (64~86 °F)	18~30 °C (64~86 °F)	18~30 °C (64~86 °F)
Setting Temperature Range (Heating)	16~30 °C (60~86 °F)	16~30 °C (60~86 °F)	16~30 °C (60~86 °F)	16~30 °C (60~86 °F)	
CAC Network Function	General Central Controller (Non LGAP)	X	X	X	X
	Network Solution (LGAP)	X	X	X	X
	Dry Contact ²	PDRYCB000, PDRYCB100, PDRYCB400, PDRYCB500	PDRYCB000, PDRYCB100, PDRYCB400, PDRYCB500	PDRYCB000, PDRYCB100, PDRYCB400, PDRYCB500	PDRYCB000, PDRYCB100, PDRYCB400, PDRYCB500
	PDI (Power Distribution Indicator) ²	X	X	X	X
	Outdoor Unit PI 485 ²	X	X	X	X
Special Function Kit	Wi-Fi ²	Embedded	Embedded	Embedded	Embedded
	Water Level Sensor Connection ²	X	X	X	X
	Wind Baffle Kit ²	X	X	X	X
	Sump Heater	X	X	X	X
	Sheath Heater ²	X	X	X	X
	Crank Case Heater	X	X	X	X
Others	Smart Inverter Monitoring System (SIMs) ²	PSWMOZ3	PSWMOZ3	PSWMOZ3	PSWMOZ3
	Mode Lock	Cooling Only or Heating Only	Cooling Only or Heating Only	Cooling Only or Heating Only	Cooling Only or Heating Only
	Temperature Control	Thermistor	Thermistor	Thermistor	Thermistor
	DRED (Demand Response Enabling Device)	X	X	X	X

Note

- ○ : Applied, X : Not applied
- Filters are optional in some specific areas.
- ¹: This function can be operated only when the wired remote controller is connected. The applicability of each function depends on the above table.
- ²: Optional accessories must be purchased separately. If shown as "Embedded", this function is included in product.
- The function Wi-Fi is only compatible with 2.4 GHz band. (802.11 b/g/n)
- Some specifications may be changed without notifications due to our policy of innovation.

5. Dimensional Drawings

PC09SQ (S3NM09JA2FA), PC12SQ (S3NM12JA2FA), S09EQ (S3NW09JA3AA), S12EQ (S3NW12JA3AA), SC09EQ (S3NM09JA3BA), SC12EQ (S3NM12JA3BA), S12ER (S3NW12JA3AA), S12ES (S3NW12JA3AA), S09ET (S3NM09JA3FA), S12ET (S3NM12JA3FA)



5. Dimensional Drawings

5.2 Outdoor Unit

PC09SQ (S3UM09JA2FA), PC12SQ (S3UM12JA2FA), S09EQ (S3UW09JA3AA), S12EQ (S3UW12JA3AA), SC09EQ (S3UM09JA3BA), SC12EQ (S3UM12JA3BA), DC09RT (S3UM09JA1ZA), DC12RT (S3UM12JA1ZA), S09ET (S3UM09JA3FA), S12ET (S3UM12JA3FA)

