

1. Specification

Buyer Model		Single split Model								
Factory Model		Set (Indoor / Outdoor)		Unit	A09FR.SSF (A09FR.NSF / A09FR.UL2)			A12FR.SSF (A12FR.NSF / A12FR.UL2)		
					S3-W09FLR9A (S3NW09FLR9A / S3UW09FLR9A)			S3-W12FLR9A (S3NW12FLR9A / S3UW12FLR9A)		
Capacity	Cooling	Min ~ Rated ~ Max	kW	0.89	2.50	3.70	0.89	3.50	4.04	
			Btu/h	3,036	8,530	12,624	3,036	11,942	13,785	
	Heating	Min ~ Rated ~ Max	kW	0.89	3.30	4.10	0.89	4.00	5.10	
	Heating -7 °C	Rated	Btu/h	3,036	11,260	13,989	3,036	13,648	17,401	
Power Input	Cooling	Min ~ Rated ~ Max	W	200	658	1,400	200	1,050	1,400	
	Heating	Min ~ Rated ~ Max	W	195	831	1,600	195	1,108	1,600	
Running Current	Cooling	Min ~ Rated ~ Max	A	1.10	3.20	6.00	1.10	4.90	6.00	
	Heating	Min ~ Rated ~ Max	A	1.10	4.10	7.00	1.10	5.10	7.00	
EER			W/W		3.80			3.33		
SEER			(Btu/h)/W		12.96			11.37		
COP			-		6.80			6.60		
SCOP			W/W		3.97			3.61		
Energy Label Grade	Cooling / Heating		(Btu/h)/W		13.55			12.32		
Annual Energy Consumption	Cooling / Heating		-		4.00			4.00		
Power Supply			kWh/year		129 / 945			186 / 945		
Available Voltage Range			∅, V, Hz	1	220-240	50	1	220-240	50	
Power Factor	Cooling / Heating		V		187 ~ 276			187 ~ 276		
Moisture Removal			%		96.0 / 96.0			96.0 / 96.0		
			l/h		1.10			1.30		
Indoor	Air Flow Rate	Cooling, Max / H / M / L	m ³ /min	10.0 / 9.0 / 7.6 / 6.0			10.0 / 9.0 / 7.6 / 6.0			
		Heating, Max / H / M / L	m ³ /min	10.3 / 9.3 / 7.8 / 6.1			10.3 / 9.3 / 7.8 / 6.1			
	Sound Pressure Level	Cooling, H / M / L / SL	dB(A)	45 / 39 / 35 / 27			45 / 39 / 35 / 27			
		Heating, H / M / L	dB(A)	45 / 39 / 35			45 / 39 / 35			
	Sound Power Level		dB(A)	60			60			
					60			60		
	Dimensions (W x H x D)	Net	mm	600	146	600	600	146	600	
		Shipping	mm	685	215	670	685	215	670	
Weight	Net	kg	14.4			14.4				
	Shipping	kg	17.3			17.3				
Exterior Color Code			-			-				
Outdoor	Air Flow Rate	Max	m ³ /min	35.0			35.0			
				35.0			35.0			
	Sound Pressure Level	Cooling, Rated	dB(A)	51			51			
		Heating, Rated	dB(A)	51			51			
	Sound Power Level		dB(A)	65			65			
					65			65		
	Dimensions (W x H x D)	Net	mm	770	545	288	770	545	288	
		Shipping	mm	920	588	388	920	588	388	
Weight	Net	kg	34.4			34.4				
	Shipping	kg	36.6			36.6				
Max. Fuse Size		A	15			15				
Exterior Color Code			Munsell 9.54Y 8.34/1.31			Munsell 9.54Y 8.34/1.31				
Operation Range	Cooling	°C DB	-15 ~ 48			-15 ~ 48				
	Heating	°C WB	-10 ~ 18			-10 ~ 18				
Compressor	Type		Twin Rotary			Twin Rotary				
	Model		DAT134MCA			DAT134MCA				
	Motor Type		BLDC			BLDC				
	Oil Type / Maker		PVE (FW68D) / IDEMITSU			PVE (FW68D) / IDEMITSU				
	Oil Charge	cc	400			400				
	O.L.P. Name		-			-				
Manufacturer / Country of Origin			LG Electronics / China			LG Electronics / China				
Fan(Indoor)	Type		Turbo Fan			Turbo Fan				
	Motor Output	W	16.7			16.7				
Fan(Outdoor)	Type		Propeller Fan			Propeller Fan				
	Motor Type		BLDC			BLDC				
	Motor Output	W	43			43				
	Motor Insulation		Class E			Class E				
Heat Exchanger	Evaporator	Material, Tube / Fin		Cu / Al			Cu / Al			
		Fin Spacing	FPI	(∅7 x 2 x 20 x 21 x 425) x 1			(∅7 x 2 x 20 x 21 x 425) x 1			
		Corrosion Protection		PCM			PCM			
	Condenser	Material, Tube / Fin		Cu / Al			Cu / Al			
		Fin Spacing	FPI/FPDM	(∅7 x 2 x 24 x 18 x 814) x 1			(∅7 x 2 x 24 x 18 x 814) x 1			
		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	∅ 6.35			∅ 6.35			
		Gas	mm	∅ 9.52			∅ 9.52			
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	20	3	7.5	20	
		No Charge	m	7.5			7.5			
	Max. Elevation Difference	m	10			10				
Refrigerant	Type			Both liquid and gas pipes			Both liquid and gas pipes			
		Pre Charge	g	R32			R32			
		Additional Charge	g/m	800			800			
		Control		20			20			
Defrost Method			Electronic Expansion Valve			Electronic Expansion Valve				
Tool Code (Chassis)	Indoor / Outdoor		Reverse Cycle			Reverse Cycle				

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

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

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

2. Function

Category	Function	A09FR.SSF	A12FR.SSF
		S3-W09FLR9A	S3-W12FLR9A
Air Flow	Air Supply Outlet	3	3
	Airflow Direction Control (Left & Right)	X	X
	Airflow Direction Control (Up & Down)	X	X
	Auto Swing (Left & Right)	○	○
	Auto Swing (Up & Down)	○	○
	Fan Speed Steps (Fan / Cool / Heat)	4 / 4 / 4	4 / 4 / 4
	Natural Wind (Auto Wind)	○	○
	Jet Cool / Jet Heat (Power Wind)	○ / ○	○ / ○
Air Purifying	Comfort Air	X	X
	Pre-filter (Washable / Anti-Bacteria)	○	○
	Deodorizing Filter	X	X
	3M Micro Dust Filter	X	X
	3M Multi Protection Filter	X	X
Installation	Plasma Air Purifier (Ionizer)	X	X
	Drain Pump	X	X
Reliability	Hot Start	○	○
	Self Diagnosis	○	○
	De-ice Control (Defrost)	○	○
Convenience	Dry (Dehumidification) Operation	○	○
	Auto Changeover	○	○
	Auto Operation (Artificial Intelligence)	X	X
	Auto Cleaning (Coil Dry)	○	○
	Auto Restart Operation	○	○
	Child Lock ¹	○	○
	Forced Operation	○	○
	Group Control ¹	X	X
	Sleep Mode	7hr	7hr
	Timer 24hr (On/Off) / 7hr (Off)	○ / X	○ / X
	Timer (Weekly) ¹	○	○
	Two Thermistor Control ¹	○	○
	Low Ambient Operation	○	○
	Overheating Protection	○	○
	Low Heating	X	X
	Voice Control	X	X
	Smart Scan (PIR)	X	X
	LG AC Tag On (NFC)	X	X
	Outdoor Silent Mode	X	X
	Mosquito Away	X	X
Smart Diagnosis	X	X	
Energy Saving	Indoor Unit Display Type	1 LED	1 LED
	Indoor Unit Display Light	On/Off	On/Off
Individual Control	Energy Display	X	X
	Energy Saving	○	○
	Active Energy Control (Watt Option)	X	X
	Wired Remote Controller (Premium) ²	X	X
	Wired Remote Controller (Standard) ²	PQRCVSL0(QW) / PREMTB(0/B)01	PQRCVSL0(QW) / PREMTB(0/B)01
	Wired Remote Controller (Simple with Mode Selection) ²	PQRCVCL0Q(W)	PQRCVCL0Q(W)
	Wired Remote Controller (Simple without Mode Selection) ²	PQRCHCA0Q(W)	PQRCHCA0Q(W)
CAC Network Function	Handheld Controller (See Remote Controller Section)	AKB73635607	AKB73635607
	Wireless Controller	Setting Temperature Range (Cooling) 18~30 °C (64~86 °F) Setting Temperature Range (Heating) 16~30 °C (60~86 °F)	18~30 °C (64~86 °F) 16~30 °C (60~86 °F)
Special Function Kit	General Central Controller (Non LGAP)	X	X
	Network Solution (LGAP)	○	○
	Dry Contact ²	PDRYCB000, PDRYCB100, PDRYCB400, PDRYCB500	PDRYCB000, PDRYCB100, PDRYCB400, PDRYCB500
	PDI (Power Distribution Indicator) ²	X	X
	Outdoor Unit PI 485 ²	PMNFP14A1	PMNFP14A1
Others	WIFI ²	PWFMD200	PWFMD200
	Water Level Sensor Connection ²	X	X
	Wind Baffle Kit ²	X	X
	Sump Heater	X	X
	Sheath Heater ²	X	X
	Crank Case Heater	X	X
	Smart Inverter Monitoring System (SIMs) ²	PSWMOZ3	PSWMOZ3
Mode Lock	Mode Lock	Cooling Only or Heating Only	Cooling Only or Heating Only
	Temperature Control	Thermistor	Thermistor
	DRED (Demand Response Enabling Device)	X	X

Note

○ : Applied, X : Not available

• 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.