



# 1. Models Line Up

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## 1.1 Indoor Unit

Category	Picture	Chassis	Nominal Capacity (kBtu/h)	Model Name
Standard		SJ	12	W12EG.NSJ (S3NW12JAQAA.EA6GEEU)
Standard		SJ	9	W09EG.NSJ (S3NW09JAQAA.EA6GEEU)

## 1. Models Line Up

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### 1.2 Outdoor Unit

Power Supply	Picture	Chassis	Nominal Capacity (kBtu/h)	Model Name
1 Ø , 220-240 V , 50 Hz		UA3	12	W12EG.UA3 (S3UW12JAQAA.EA6GEEU)
1 Ø , 220-240 V , 50 Hz		UA3	9	W09EG.UA3 (S3UW09JAQAA.EA6GEEU)

## 2. Nomenclature

Model Name	S	4	-	W	1	2	J	L	1	Y	1
No.	1	2	3	4	5	6	7	8	9	10	11

No.	Signification
1	<b>Product Type</b> S : Split
2	<b>Refrigerant</b> 2 : R22 3 : R32 4 : R410A
3	<b>Supply Type</b> - : Set N : Indoor Unit U : Outdoor Unit A : C/SKD Indoor Unit B : C/SKD Outdoor Unit M : Mock-Up
4	<b>Model Type</b> C : Cooling Only H : Heat Pump Q : DC Inverter Cooling Only W : DC Inverter Heat Pump M : Single and Multi Compatible
5, 6	<b>Capacity</b> Ex) 12 : 12,000 Btu/h
7	<b>Indoor Unit Platform</b> 2 : S2      H : SH 3 : S3      J : SJ 4 : S4      K : SK 5 : S5      M : SM A : SA      V : SV E : SE      W : SW
8	<b>Outdoor Unit Platform</b> A : UA3      E : UE L : UL2      P : UE1+ 2 : U24A     D : UD 4 : U4

No.	Signification						
9	<b>Look &amp; Color</b>						
	<b>Platform</b>	<b>Look &amp; Color</b>	<b>Look Name</b>	<b>Description</b>			
	SA SJ SK	R	Artcool	Mirror Black			
		1	R Look	White Panel (Transparent)			
		2	Semi-R Look	White Panel (Silver Deco)			
		3	E Look	White Panel			
		4	Semi-R Look	White Panel (Red Deco)			
		5	Semi-R Look	White Panel (Gold Deco)			
		Q	E Look	White Panel (2LED)			
		P	E Look	White Panel (2LED, Matt)			
	SM	M	Moving Panel	White Panel			
	SM SM+ S2	1	R Look	White Panel (Transparent)			
		2	Semi-R Look	White Panel (Silver Deco)			
		3	E Look	White Panel			
W		Blowkiss R	White Panel (White Deco)				
SW SH	B	Blowkiss R	White Panel (Black Deco)				
	V	Blowkiss R	White Panel (Silver Deco)				
	5	E Look	White Panel				
SV	6	Semi-R Look	White Panel (Silver Deco)				
	Q	E Look	White Panel (2LED)				
	P	E Look	White Panel (2LED, Matt)				
S3	2	Semi-R Look	White Panel (Silver Deco)				
	3	E Look	White Panel				
	1	-	White Panel				
	W	-	White Panel (Lighting)				
10	<b>Function</b>						
	<b>Module</b>	<b>Airflow</b>	<b>Wi-Fi</b>	<b>Additional Filter</b>	<b>Gen Mode</b>	<b>Function Digit</b>	
	None	2way	<input type="checkbox"/>			A	
			<input type="checkbox"/>	<input type="checkbox"/>		3	
		4way	<input type="checkbox"/>			<input type="checkbox"/>	W
			<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	Q
	Ionizer	2way	<input type="checkbox"/>	<input type="checkbox"/>		B	
			<input type="checkbox"/>	<input type="checkbox"/>		F	
		4way	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	V
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	4
	Mosquito	2way	<input type="checkbox"/>	<input type="checkbox"/>		R	
			<input type="checkbox"/>	<input type="checkbox"/>		Z	
		4way	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	S
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	P
Air Purifying	2way	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	J		
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	T	
	4way	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	K	
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	E	
Air Purifying	2way	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	7		
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6	
	4way	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2	
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	5	
Air Purifying	2way	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	8		
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	N	
	4way	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Y	
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	C	
11	<b>Standard Model No.</b>						

### 3. Specifications

Buyer Model	Set (Indoor / Outdoor)		Unit	W12EG.SSJ (W12EG.NSJ / W12EG.UA3)		
Factory Model				S3-W12JAQAA.EA6GEEU (S3NW12JAQAA.EA6GEEU / S3UW12JAQAA.EA6GEEU)		
Capacity	Cooling	Min ~ Rated ~ Max	kW	0.890	3.500	4.040
			Btu/h	3,039	11,950	13,794
			kJ/h	-	-	-
	Cooling (T3)	Min ~ Rated ~ Max	kW	-	-	-
			Btu/h	-	-	-
			kJ/h	-	-	-
Heating	Min ~ Rated ~ Max	kW	0.890	4.000	5.100	
		Btu/h	3,039	13,658	17,414	
		kJ/h	-	-	-	
Heating -7°C	Max	kW	-	3.000	-	
		W	-	1,080	1,400	
Power Input	Cooling	Min ~ Rated ~ Max	W	200	1,080	1,400
	Cooling (T3)	Min ~ Rated ~ Max	W	-	-	-
	Heating	Min ~ Rated ~ Max	W	195	1,050	1,600
Running Current	Cooling	Min ~ Rated ~ Max	A	1.10	4.70	6.00
	Cooling (T3)	Min ~ Rated ~ Max	A	-	-	-
	Heating	Min ~ Rated ~ Max	A	1.10	4.70	7.00
EER			WW	-	3.24	-
			(Btu/h)W	-	11.06	-
			(kJ/h)W	-	-	-
EER (T3)			WW	-	-	-
			(Btu/h)W	-	-	-
SEER			-	-	6.6	-
			WW	-	3.81	-
COP			(Btu/h)W	-	13.01	-
			(kJ/h)W	-	-	-
SCOP			-	-	4	-
			kW	-	3.5 / 2.5	-
P design C / P design H			-	-	-	-
Energy Label Grade	Cooling / Heating		-	-	A++ / A+	-
Annual Energy Consumption	Cooling / Heating		kWh/year	-	186 / 875	-
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	-	12.5 / 10.0 / 7.5 / 4.2	-
		Heating, SH / H / M / L	m³/min	-	13.0 / 10.0 / 7.2 / 5.6	-
	Sound Pressure Level	Cooling, SH / H / M / L / SL	dB(A)	-	45 / 41 / 35 / 27 / 19	-
		Heating, SH / H / M / L	dB(A)	-	45 / 41 / 35 / 27	-
	Sound Power Level		dB(A)	-	59	-
	Dimensions (W × H × D)	Net	mm	-	837 x 308 x 189	-
		Shipping	mm	-	882 x 385 x 253	-
Weight	Net	kg	-	8.7	-	
	Shipping	kg	-	10.5	-	
Exterior Color Code			-	-	Munsell 7.5BG 10/2 (RAL 9016)	
Outdoor	Air Flow Rate	Max	m³/min	-	27.0	-
	Fan Motor Speed	Cooling, Min ~ Max	rpm	-	200 ~ 1000	-
		Heating, Min ~ Max	rpm	-	200 ~ 1000	-
	Sound Pressure Level	Cooling, Rated	dB(A)	-	48	-
		Heating, Rated	dB(A)	-	50	-
	Sound Power Level		dB(A)	-	65	-
	Dimensions (W × H × D)	Net	mm	-	717 x 483 x 230	-
		Shipping	mm	-	836 x 540 x 321	-
Weight	Net	kg	-	25.1	-	
	Shipping	kg	-	27.2	-	
Max. Fuse Size			A	-	15	
Exterior Color Code			-	-	Munsell 9.54Y 8.34/1.31 (RAL 9001)	
Operation Range	Cooling	°C DB	-	-10 ~ 48	-	
	Heating	°C DB	-	-10 ~ 24	-	
	Heating	°C WB	-	-10 ~ 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			mm	-	21.5, 16	
Between Indoor & Outdoor	Piping Length	Min / Standard / Max	m	-	3 / 7.5 / 15	
		No Charge	m	-	7.5	
	Max. Elevation Difference			m	-	7
Piping Connection Heat Insulation			-	-	Both liquid and gas pipes	
<b>Note</b>						
• - : 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	W12EG.SSJ (W12EG.NSJ / W12EG.UA3) S3-W12JAQAA.EA6GEEU (S3NW12JAQAA.EA6GEEU / S3UW12JAQAA.EA6GEEU)	
Factory Model					
Refrigerant	Type		-	R32	
	Pre Charge		kg	0.700	
	Additional Charge		g/m	20	
	Control		-	Electronic Expansion Valve	
	Global Warming Potential		-	675	
	t-CO <sub>2</sub> eq		-	0.473	
Defrost Method			-	Reverse Cycle	
Tool Code (Chassis)	Indoor / Outdoor		-	SJ / UA3	
Compressor	Type		-	Twin Rotary	
	Model		-	DST102MAA	
	Motor Type		-	BLDC	
	Oil Type / Maker		-	PVE (FW68D) / IDEMITSU	
	Oil Charge		cc	280	
	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	
		( $\phi$ x Row x Column x FPI x L) x Qty.	#1	( $\phi 7 \times 2 \times 15 \times 21 \times 616.8$ ) x 1	
		( $\phi$ x Row x Column x FPI x L) x Qty.	#2	-	
		( $\phi$ x Row x Column x FPI x L) x Qty.	#3	-	
		( $\phi$ x Row x Column x FPI x L) x Qty.	#4	-	
	Condenser	Corrosion Protection	-	-	PCM
		Fin Type	-	-	Slit
		Material, Tube / Fin	-	-	Cu / Al
		( $\phi$ x Row x Column x FPI x L) x Qty.	#1	( $\phi 7 \times 2 \times 22 \times 18 \times 667$ ) x 1	
		( $\phi$ x Row x Column x FPI x L) x Qty.	#2	-	
Corrosion Protection	-	-	-	Gold	
Fin Type	-	-	-	Corrugate	

**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  $\pm 20$  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	W09EG.SSJ (W09EG.NSJ / W09EG.UA3)			
Factory Model				S3-W09JAQAA.EA6GEEU (S3NW09JAQAA.EA6GEEU / S3UW09JAQAA.EA6GEEU)			
Capacity	Cooling	Min ~ Rated ~ Max	kW	0.890	2.500	3.700	
			Btu/h	3,039	8,536	12,633	
			kJ/h	-	-	-	
	Cooling (T3)	Min ~ Rated ~ Max	kW	-	-	-	
			Btu/h	-	-	-	
			kJ/h	-	-	-	
Heating	Min ~ Rated ~ Max	kW	0.890	3.300	4.100		
		Btu/h	3,039	11,268	13,989		
		kJ/h	-	-	-		
Heating -7°C	Max	kW	-	2.600	-		
		W	-	656	1,400		
Power Input	Cooling	Min ~ Rated ~ Max	W	200	656	1,400	
	Cooling (T3)	Min ~ Rated ~ Max	W	-	-	-	
	Heating	Min ~ Rated ~ Max	W	195	800	1,600	
Running Current	Cooling	Min ~ Rated ~ Max	A	1.10	3.30	6.00	
	Cooling (T3)	Min ~ Rated ~ Max	A	-	-	-	
	Heating	Min ~ Rated ~ Max	A	1.10	4.00	7.00	
EER			WW	-	3.81	-	
			(Btu/h)W	-	13.01	-	
EER (T3)			(kJ/h)W	-	-	-	
			WW	-	-	-	
SEER			(Btu/h)W	-	-	-	
			-	-	7	-	
COP			WW	-	4.13	-	
			(Btu/h)W	-	14.09	-	
SCOP			(kJ/h)W	-	-	-	
			-	-	4	-	
P design C / P design H			kW	-	2.5 / 2.5	-	
Energy Label Grade	Cooling / Heating				A++ / A+		
Annual Energy Consumption	Cooling / Heating		kWh/year		125 / 875		
Weighted EER			(Btu/h)W	-	-	-	
Power Supply			WW	-	-	-	
			∅, V, Hz		1, 220-240, 50		
Available Voltage Range			V		187 ~ 276		
Power Factor	Cooling / Heating		%		93.0 / 94.0		
Moisture Removal			l/h		1.10		
Indoor	Air Flow Rate	Cooling, SH / H / M / L	m³/min		12.5 / 10.0 / 7.5 / 4.2		
		Heating, SH / H / M / L	m³/min		13.0 / 10.0 / 7.2 / 5.6		
	Sound Pressure Level	Cooling, SH / H / M / L / SL	dB(A)			45 / 41 / 35 / 27 / 19	
		Heating, SH / H / M / L	dB(A)			45 / 41 / 35 / 27	
	Sound Power Level		dB(A)			59	
	Dimensions (W × H × D)	Net	mm			837 x 308 x 189	
		Shipping	mm			882 x 385 x 253	
	Weight	Net	kg			8.7	
Shipping		kg			10.5		
Exterior Color Code			-		Munsell 7.5BG 10/2 (RAL 9016)		
Outdoor	Air Flow Rate	Max	m³/min		27.0		
		Cooling, Min ~ Max	rpm		230 ~ 1000		
	Fan Motor Speed	Heating, Min ~ Max	rpm			230 ~ 1000	
		Cooling, Rated	dB(A)			48	
	Sound Pressure Level	Heating, Rated	dB(A)			50	
			dB(A)			65	
	Dimensions (W × H × D)	Net	mm			717 x 483 x 230	
		Shipping	mm			836 x 540 x 321	
	Weight	Net	kg			25.1	
		Shipping	kg			27.2	
Max. Fuse Size			A		15		
Exterior Color Code			-		Munsell 9.54Y 8.34/1.31 (RAL 9001)		
Operation Range	Cooling		°C DB		-10 ~ 48		
	Heating		°C DB		-10 ~ 24		
	Heating		°C WB		-10 ~ 18		
Circuit Breaker			A		15		
Power Supply to Unit			-		Outdoor		
Power and Communication Cable			No. × mm²		4 × 1		
Piping	Size	Liquid	mm		∅ 6.35		
		Gas	mm		∅ 9.52		
	Connections Method	Indoor / Outdoor				Flared / Flared	
Drain Hose Size			mm		21.5, 16		
Between Indoor & Outdoor	Piping Length	Min / Standard / Max	m		3 / 7.5 / 15		
		No Charge	m		7.5		
	Max. Elevation Difference			m		7	
Piping Connection Heat Insulation			-		Both liquid and gas pipes		
<b>Note</b>							
• - : 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	W09EG.SSJ (W09EG.NSJ / W09EG.UA3)	
Factory Model				S3-W09JAQAA.EA6GEEU (S3NW09JAQAA.EA6GEEU / S3UW09JAQAA.EA6GEEU)	
Refrigerant	Type		-	R32	
	Pre Charge		kg	0.700	
	Additional Charge		g/m	20	
	Control		-	Electronic Expansion Valve	
	Global Warming Potential		-	675	
	I-CO <sub>2</sub> eq		-	0.473	
Defrost Method			-	Reverse Cycle	
Tool Code (Chassis)		Indoor / Outdoor	-	SJ / UA3	
Compressor	Type		-	Twin Rotary	
	Model		-	DST102MAA	
	Motor Type		-	BLDC	
	Oil Type / Maker		-	PVE (FW68D) / IDEMITSU	
	Oil Charge		cc	280	
	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	
		( $\phi$ x Row x Column x FPI x L) x Qty.	#1	( $\phi 7 \times 2 \times 15 \times 21 \times 616.8$ ) x 1	
		( $\phi$ x Row x Column x FPI x L) x Qty.	#2	-	
		( $\phi$ x Row x Column x FPI x L) x Qty.	#3	-	
		( $\phi$ x Row x Column x FPI x L) x Qty.	#4	-	
		Corrosion Protection	-	PCM	
		Fin Type	-	Slit	
	Condenser	Material, Tube / Fin	-	-	Cu / Al
		( $\phi$ x Row x Column x FPI x L) x Qty.	#1	-	( $\phi 7 \times 2 \times 22 \times 18 \times 667$ ) x 1
		( $\phi$ x Row x Column x FPI x L) x Qty.	#2	-	-
Corrosion Protection		-	-	Gold	
	Fin Type	-	-	Corrugate	

**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  $\pm 20$  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.