

## 2. Specifications

Global Model Names [Europe Model Names]				A7UW42LFA1 [FM41AH U34]	A8UW48LFA1 [FM49AH U34]
Testing Combination				MJ05PC NSJ x 4EA MJ07PC NSJ x 3EA	MJ07PC NSJ x 7EA
Combination	Sum of Indoor Units Capacity		kBtu/h	72	78
	Number of Indoor Units		EA	7	8
	Number of BD Units		EA	2	3
Capacity	Cooling	Min.~Rated~Max.	kW	2.81 ~ 12.31 ~ 15.39	3.34 ~ 14.07 ~ 17.00
		Min.~Rated~Max.	Btu/h	9,600 ~ 42,000 ~ 52,500	11,400 ~ 48,000 ~ 58,000
	Heating	Min.~Rated~Max.	kW	3.09 ~ 13.48 ~ 16.18	3.70 ~ 15.97 ~ 17.29
		Min.~Rated~Max.	Btu/h	10,560 ~ 46,000 ~ 55,200	12,636 ~ 54,500 ~ 59,000
Power Input	Cooling	Min.~Rated~Max.	kW	0.82 ~ 2.42 ~ 4.90	0.96 ~ 3.12 ~ 5.30
	Heating	Min.~Rated~Max.	kW	0.89 ~ 2.87 ~ 5.10	1.06 ~ 3.76 ~ 5.40
SEER / SCOP			Wh / Wh	7.40 / 4.20	7.20 / 4.20
Seasonal Energy Label (A++ to E Scale)		Cooling / Heating	-	- / -	- / -
Annual Energy Consumption		Cooling / Heating	kWh	981 / 2,867	1,167 / 3,167
Power Supply			V, Ø, Hz	380-415, 3, 50	380-415, 3, 50
Running Current	Cooling	Min.~Rated~Max.	A	1.2 ~ 3.6 ~ 7.4	1.4 ~ 4.7 ~ 8.0
	Heating	Min.~Rated~Max.	A	1.3 ~ 4.3 ~ 7.7	1.6 ~ 5.7 ~ 8.1
Power Supply Cable (included Earth)			No. x mm <sup>2</sup>	5C x 2.5	5C x 2.5
Casing Color			-	Warm Gray	Warm Gray
Dimensions		W x H x D	mm	950 x 1,380 x 330	950 x 1,380 x 330
Net Weight			kg (lbs)	87.0 (191.8)	87.0 (191.8)
Compressor	Type		-	Scroll	Scroll
	Model		Model x No.	RJA036MAA x 1	RJA036MAA x 1
	Motor type		-	BLDC	BLDC
	Motor Output		W x No.	3,198 (at 60Hz) x 1	3,198 (at 60Hz) x 1
Refrigerant	Type		-	R410A	R410A
	GWP (Global Warming Potential)		-	2,087.5	2,087.5
	Precharged Amount		g (oz)	4,200 (148.2)	4,200 (148.2)
	t-CO <sub>2</sub> eq.		-	8.768	8.768
	Chargeless Pipe Length	Main Pipe	m (ft)	5 (16.4)	5 (16.4)
		Branch Pipe	m (ft)	35 (114.8)	40 (131.2)
	Additional Charging Volume	Main Pipe	g/m (oz/ft)	50 (0.54)	50 (0.54)
		Branch Pipe	g/m (oz/ft)	20 (0.22)	20 (0.22)
Control			-	Electronic Expansion Valve	Electronic Expansion Valve
Refrigerant Oil	Type		-	FVC68D	FVC68D
	Charged volume		cc x No.	1,100 x 1	1,100 x 1
Heat Exchanger			(Row x Column x Fins per inch) x No.	(2 x 32 x 14) x 2	(2 x 32 x 14) x 2
Fan	Type		-	Propeller	Propeller
	Air Flow Rate		-	55 x 2	55 x 2
Fan Motor	Type		m <sup>3</sup> /min x No.	BLDC	BLDC
	Output		W x No.	124 x 2	124 x 2
Sound Pressure Level	Cooling	Rated	dB(A)	51	53
	Heating	Rated	dB(A)	53	55
Sound Power Level	Cooling	Rated	dB(A)	69	71
	Heating	Rated	dB(A)	70	72
Piping Connections	Liquid	Outer Dia.	mm(inch) x No.	Ø 9.52 (3/8)	Ø 9.52 (3/8)
	Gas	Outer Dia.	mm(inch) x No.	Ø 19.05 (3/4)	Ø 19.05 (3/4)
Piping Length	Total Piping	Max.	m (ft)	125 (410.1)	135 (442.9)
	Main Piping	Max.	m (ft)	55 (180.4)	55 (180.4)
	Total Branch	Max.	m (ft)	70 (229.7)	80 (262.5)
	Each Branch	Max.	m (ft)	15 (49.2)	15 (49.2)
Maximum Height Difference	ODU~IDU	Max.	m (ft)	30 (98.4)	30 (98.4)
	IDU~IDU	Max.	m (ft)	15 (49.2)	15 (49.2)
Operation Range (Outdoor Temperature)	Cooling	Min. ~ Max.	°C(°F)DB	-10 (14.0) ~ 48 (118.4)	-10 (14.0) ~ 48 (118.4)
	Heating	Min. ~ Max.	°C(°F)WB	-25 (-13.0) ~ 18 (64.4)	-25 (-13.0) ~ 18 (64.4)

**Note**

- Due to our policy of innovation some specifications may be changed without notification.
- Wiring cable size must comply with the applicable local and national codes. And "Electric characteristics" chapter should be considered for electrical work and design. Especially the power cable and circuit breaker should be selected in accordance with that.
- Power factor could vary less than ±1% according to the operating conditions.
- Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard.  
Sound power level is measured on the rated condition in the reverberation rooms by ISO 3741 standard.  
Therefore, these values can be increased owing to ambient conditions during operation.
- Performances are based on the following conditions :
  - \*Cooling : Indoor Ambient Temp. 27°CDB / 19°CWB, Outdoor Ambient Temp. 35°CDB / 24°CWB
  - \*Heating : Indoor Ambient Temp. 20°CDB / 15°CWB, Outdoor Ambient Temp. 7°CDB / 6°CWB
  - Interconnected Pipe is standard length and difference of Elevation (Outdoor ~ Indoor Unit) is 0m.
- This product contains Fluorinated greenhouse gases.

## 2. Specifications

Global Model Names [Europe Model Names]				A9UW56LFA1 [FM57AH U34]	
Testing Combination				MJ07PC NSJ x 4EA MJ09PC NSJ x 3EA	
Combination	Sum of Indoor Units Capacity		kBtu/h	84	
	Number of Indoor Units		EA	9	
	Number of BD Units		EA	3	
Capacity	Cooling	Min.~Rated~Max.	kW	4.04 ~ 15.53 ~ 18.52	
		Min.~Rated~Max.	Btu/h	13,800 ~ 53,000 ~ 63,200	
	Heating	Min.~Rated~Max.	kW	4.49 ~ 17.41 ~ 18.76	
		Min.~Rated~Max.	Btu/h	15,305 ~ 59,400 ~ 64,000	
Power Input	Cooling	Min.~Rated~Max.	kW	1.18 ~ 3.87 ~ 5.60	
	Heating	Min.~Rated~Max.	kW	1.29 ~ 4.34 ~ 5.80	
SEER / SCOP			Wh / Wh	6.90 / 4.20	
Seasonal Energy Label (A++ to E Scale)		Cooling / Heating	-	- / -	
Annual Energy Consumption		Cooling / Heating	kWh	1,348 / 3,167	
Power Supply			V, Ø, Hz	380-415, 3, 50	
Running Current	Cooling	Min.~Rated~Max.	A	1.8 ~ 5.8 ~ 8.4	
	Heating	Min.~Rated~Max.	A	1.9 ~ 6.5 ~ 8.7	
Power Supply Cable (included Earth)			No. x mm <sup>2</sup>	5C x 2.5	
Casing Color			-	Warm Gray	
Dimensions		W x H x D	mm	950 x 1,380 x 330	
Net Weight			kg (lbs)	87.0 (191.8)	
Compressor	Type		-	Scroll	
	Model		Model x No.	RJA036MAA x 1	
	Motor type		-	BLDC	
	Motor Output		W x No.	3,198 (at 60Hz) x 1	
Refrigerant	Type		-	R410A	
	GWP (Global Warming Potential)		-	2,087.5	
	Precharged Amount		g (oz)	4,200 (148.2)	
	t-CO <sub>2</sub> eq.		-	8,768	
	Chargeless Pipe Length	Main Pipe	m (ft)	5 (16.4)	
		Branch Pipe	m (ft)	45 (147.6)	
	Additional Charging Volume	Main Pipe	g/m (oz/ft)	50 (0.54)	
		Branch Pipe	g/m (oz/ft)	20 (0.22)	
Control			-	Electronic Expansion Valve	
Refrigerant Oil	Type		-	FVC68D	
	Charged volume		cc x No.	1,100 x 1	
Heat Exchanger			(RowxColumnxFins per inch) x No.	- (2 x 32 x 14) x 2	
Fan	Type		-	Propeller	
	Air Flow Rate		m <sup>3</sup> /min x No.	55 x 2	
Fan Motor	Type		-	BLDC	
	Output		W x No.	124 x 2	
Sound Pressure Level	Cooling	Rated	dB(A)	53	
	Heating	Rated	dB(A)	55	
Sound Power Level	Cooling	Rated	dB(A)	73	
	Heating	Rated	dB(A)	74	
Piping Connections	Liquid	Outer Dia.	mm(inch)	Ø 9.52 (3/8)	
	Gas	Outer Dia.	mm(inch)	Ø 19.05 (3/4)	
Piping Length	Total Piping	Max.	m (ft)	145 (475.7)	
	Main Piping	Max.	m (ft)	55 (180.4)	
	Total Branch	Max.	m (ft)	90 (295.3)	
	Each Branch	Max.	m (ft)	15 (49.2)	
Maximum Height Difference	ODU~IDU	Max.	m (ft)	30 (98.4)	
	IDU~IDU	Max.	m (ft)	15 (49.2)	
Operation Range (Outdoor Temperature)	Cooling	Min. ~ Max.	°C(°F)DB	-10 (14.0) ~ 48 (118.4)	
	Heating	Min. ~ Max.	°C(°F)WB	-25 (-13.0) ~ 18 (64.4)	

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  - \*Heating : Indoor Ambient Temp. 20°CDB / 15°CWB, Outdoor Ambient Temp. 7°CDB / 6°CWB
  - Interconnected Pipe is standard length and difference of Elevation (Outdoor ~ Indoor Unit) is 0m.
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### 3. Dimensions

A7UW42LFA1 [FM41AH U34] / A8UW48LFA1 [FM49AH U34] / A9UW56LFA1 [FM57AH U34]

