

# Specifications

## Outdoor Units R32



Outdoor Unit			AJ040NCJ2EG/EU	AJ050NCJ2EG/EU	AJ052RCJ3EG/EU
Maximum number of connectable Indoor Units			2	2	3
Reference IDU combinations			AR07MXSAWKN x 2	AR09MXSAWKN x 2	AR09MXSAWKN x 2
<b>Capacity</b>					
Capacity	Cooling (Nominal)	kW	4,0	5,0	5,2
	Heating up to +7°C	kW	4,2	5,6	6,3
	Heating @ -5°C	kW	3,16	4,22	4,22
	Heating @ -10°C	kW	2,7	3,6	3,6
	Heating @ -15°C	kW	2,23	2,98	2,98,00
<b>Energy Efficiency Cooling</b>					
Energy Efficiency Cooling	SEER	W/W	8.54 / A+++	8.54 / A+++	8.51 / A+++
	Consumption	kWh/a	164	205	206
	Pdesignc	kW	4,0	5,0	5,0
	EER	W/W	4.44	4.1	4.16
<b>Energy Efficiency Heating</b>					
Energy Efficiency Heating	SCOP	W/W	4.64 / A++	4.64 / A++	4.6 / A++
	Consumption	kWh/a	922	1270	1400
	Pdesignh (average)	kW	3.1	4.2	4.6
	COP	W/W	4.67	4.38	4.77
<b>AirFlow Rate</b>					
AirFlow Rate		m <sup>3</sup> /min	29.7	33.05	38
<b>Sound Power</b>					
Sound Power		dB(A)	60	61	61
<b>Sound Pressure</b>					
Sound Pressure	Cooling	dB(A)	45	46	46
	Heating	dB(A)	46	47	48
<b>Fan</b>					
Fan	Type		Propeller Fan	Propeller Fan	Propeller Fan
	Discharge direction		Front (horizontal)	Front (horizontal)	Front (horizontal)
	Power	W	40	40	125
	Number	EA	1	1	1
<b>Operating Temp. Range</b>					
Operating Temp. Range	Cooling	°C	-5 ~ 46	-5 ~ 46	-10 ~ 46
	Heating	°C	-15 ~ 24	-15 ~ 24	-15 ~ 24
<b>Electrical Data</b>					
Power Source		V / Hz / Φ	220 ~ 240/ 50/1	220 ~ 240/ 50/1	220 ~ 240/ 50/1
Compressor Type			Twin BLDC Rotary	Twin BLDC Rotary	Twin BLDC Rotary
Power consumption	Cooling	kW	0.9	1.22	1.25
	Heating	kW	0.9	1.28	1.32
Operating Current	Cooling	A	4.1	5.6	5.5
	Heating	A	4.1	5.9	6.1
<b>Dimensions</b>					
Net Dimensions (W x H x D)		mm	790×548×285 mm	790×548×285 mm	880 x 638 x 310 mm
Net Weight		kg	32	33	44.5
<b>Refrigerant</b>					
Refrigerant	Type		R32(Contains fluorinated greenhouse gases. GWP=675)		
	Factory charging	kg	0.98	1.18	1.55
	Chargeless piping length	m	30.0	30.0	30.0
	Charging Ton equivalent CO2	tCO2e	0.66 tCO2e	0.80 tCO2e	1.05 tCO2e
	Additional refrigerant charging	g / m	-	-	-
<b>Piping Connections</b>					
Piping Connections	Liquid Pipe	Φ,inch	1/4 x 2	1/4 x 2	1/4 x 3
	Gas Pipe	Φ,inch	3/8 x 2	3/8 x 2	3/8 x 2 +1/2
<b>Piping Length</b>					
Piping Length	Total Piping Length	m	30	30	50
	Min/ Max	m	3 / 25	3 / 25	3 / 25
<b>Piping Height</b>					
Piping Height	Max height (ID-ID)	m	7.5	7.5	7.5
	Max height (OD-ID)	m	15	15	15

AJ068RCJ3EG/EU	AJ080RCJ4EG/EU	AJ100RCJ5EG/EU
3	4	5
AR07MXSAWKN AR09MXSAWKN x 2	AR07MXSAWKN AR09MXSAWKN AR12MXSAWKN	AR09MXSAWKN x 4
6.8	8,0	10,0
8,0	9,3	12,0
6.02	6.41	8.28
5.14	5.47	7.06
4.25	4.53	5.85
7.75 / A++	7.75 / A++	8.0 / A++
293	330	387
6.5	7.3	8.8
3.78	4.06	3.64
4.32 / A+	4.1 / A+	4.32 / A+
1833	2009	2564
5.7	5.9	7.9
4.42	4.37	4.26
47.5	48	74.96
64	64	70
48	48	54
50	50	56
Propeller Fan	Propeller Fan	Propeller Fan
Front (horizontal)	Front (horizontal)	Front (horizontal)
125	125	125
1	1	1
-10 ~ 46	-10 ~ 46	-10 ~ 46
-15 ~ 24	-15 ~ 24	-15 ~ 24
220 ~ 240/ 50/1	220 ~ 240/ 50/1	220 ~ 240/ 50/1
Twin BLDC Rotary	Twin BLDC Rotary	Twin BLDC Rotary
1.8	1.97	2.75
1.81	2.13	2.82
8.1	8.9	12.2
8.2	9.5	12.8
880 x 798 x 310 mm	880 x 798 x 310 mm	940 x 998 x 330
57.5	57.5	76.5
R32(Contains fluorinated greenhouse gases. GWP=675)		
2.0	2.0	2.7
30.0	40.0	40.0
1.35 tCO2e	1.35 tCO2e	1.82 tCO2e
10	10	10
1/4 x 3	1/4 x 4	1/4 x 5
3/8 +1/2 x 2	3/8 x 2 +1/2 x 2	3/8 x 2 +1/2 x 3
50	70	75
3 / 25	3 / 25	3 / 25
7.5	7.5	7.5
15	15	15