

# Specifications

## Wind-Free™ 4-Way Cassette R32

- 2-Step Cooling: Fast Cooling & Wind-Free™ Cooling.
- Four-way air supply via independently adjustable blades.
- Blade angle between 34° and 68°; blade width 84 mm.
- Built-in humidity sensor.
- High ceiling mode for heights up to 4.6 m (12.0-14.0 kW), 3.9 m (9.0-10.0 kW), 3.5 m (5.2-7.1 kW).
- Built-in condensation drain pump (750 mmH2O).
- SPI Ioniser (optional).



Indoor Unit		AC052RND4DKG/EU	AC071RND4DKG/EU	AC100RND4DKG/EU	AC120RND4DKG/EU	AC140RND4DKG/EU	
Outdoor Unit - Mono-Phase							
Outdoor Unit - Tri-Phase							
<b>Capacity</b>							
Cooling (Min/Nominal/Max)	kW	1.00/5.00/6.50	1.50/7.10/8.70	3.00/10.00/12.00	3.50/12.00/13.50	3.50/13.40/15.00	
Heating @ +7 °C (Min/Nominal/Max)	kW	1.00/6.00/7.00	1.90/6.00/9.00	2.20/11.20/15.50	3.50/13.20/15.50	3.50/15.50/18.00	
Heating @ -5 °C	kW	5.90	7.80	11.00	12.90	15.20	
Heating @ -15 °C	kW	5.20	7.00	9.70	11.50	13.50	
<b>Performance</b>							
SEER <sup>1</sup>	W/W	7.6 <b>A++</b>	6.7 <b>A++</b>	7.0 <b>A++</b>	6.0 <b>A++</b>	6.6 <b>A++</b>	
Power Consumption	kWh/a	230	371	500	TBA	-	
Pdesignc	kW	5.0	7.1	10.0	TBA	-	
EER	W/W	3.50	2.98	2.92	2.60	3.16	
<b>Energy Efficiency Heating</b>							
SCOP <sup>2</sup>	W/W	4.3 <b>A++</b>	4.2 <b>A++</b>	4.3 <b>A++</b>	4.0 <b>A++</b>	4.3 <b>A++</b>	
Power Consumption	kWh/a	847	1,500	1,726	TBA	-	
Pdesighn (average)	kW	2.60	4.50	5.30	TBA	-	
CDP <sup>3</sup>	W/W	4.03	3.27	3.61	3.18	3.16	
<b>Airflow Rate</b>							
Indoor Unit (H/M/L)	m <sup>3</sup> /min	40.0	51.0	72.0	72.0	110.0	
<b>Sound Power</b>							
Indoor Unit	dB(A)	49	53	61	61	61	
Outdoor Unit	dB(A)	62	65	69	70	69	
<b>Sound Pressure</b>							
Indoor Unit (H/M/L)	dB(A)	33/31/29	36/33/29	44/39/33	45/40/35	45/41/37	
Outdoor Unit (H/L)	dB(A)	48/48	51/49	54/52	56/54	54/53	
<b>Fan/Outdoor Unit</b>							
Type		BLDC	BLDC	BLDC	BLDC	BLDC	
Power	W	65	65	97	97	97	
Number of Fans	-	1	1	1	1	1	
<b>External Static Pressure</b>							
Min/Std/Max	Pa	-	-	-	-	-	
<b>Operating Temperature Range</b>							
Cooling	°C	-15-50	-15-50	-15-50	-15-50	-15-50	
Heating	°C	-20.0-24.0	-20.0-24.0	-20.0-24.0	-20.0-24.0	-20.0-24.0	
<b>Electrical Data</b>							
Power Source	Indoor Unit	Ø, #, V, Hz	1Ø, 2, 220-240 V, 50 Hz	1Ø, 2, 220-240 V, 50 Hz	1Ø, 2, 220-240 V, 50 Hz	1Ø, 2, 220-240 V, 50 Hz	
	Outdoor Unit Mono-Phase	Ø, #, V, Hz	1Ø, 2, 220-240 V, 50 Hz	1Ø, 2, 220-240 V, 50 Hz	1Ø, 2, 220-240 V, 50 Hz	1Ø, 2, 220-240 V, 50 Hz	
	Outdoor Unit Tri-Phase	Ø, #, V, Hz	-	-	3Ø, 4, 380-415 V, 50 Hz	3Ø, 4, 380-415 V, 50 Hz	3Ø, 4, 380-415 V, 50 Hz
Compressor Type	Indoor Unit	Type	Twin BLDC	Twin BLDC	Twin BLDC	Twin BLDC	
	Outdoor Unit	Type	Twin BLDC	Twin BLDC	Twin BLDC	Twin BLDC	
Power (Min/Nominal/Max)	Cooling	kW	0.33/1.43/2.30	0.35/2.38/3.60	0.60/3.42/4.70	0.90/4.60/5.30	0.80/4.67/6.45
	Heating	kW	0.25/1.49/2.50	0.35/2.45/3.95	0.46/3.10/5.40	0.75/4.15/5.60	0.70/4.90/7.36
Current Input	Cooling (Min/Std/Max)	A	1.5/6.5/9.5	2.0/10.3/16.0	3.0/15.2/20.4	4.3/20.1/24.0	3.7/20.0/28.0
	Heating (Min/Std/Max)	A	1.5/6.8/12.0	2.0/10.7/17.0	2.5/13.6/23.0	3.7/18.2/26.0	3.5/21.3/32.0
	Cooling - Tri-Phase (Min/Std/Max)	A	-	-	1.5/5.5/7.1	2.1/6.8/10.0	2.1/7.1/10.5
	Heating - Tri-Phase (Min/Std/Max)	A	-	-	1.2/5.1/8.4	2.1/6.3/12.0	1.9/7.3/12.0
<b>Dimensions</b>							
Net Dimensions (W x H x D)	Indoor Unit	mm	840 x 204 x 840	840 x 204 x 840	840 x 204 x 840	840 x 204 x 840	
	Outdoor Unit	mm	880 x 658 x 310	880 x 798 x 310	940 x 998 x 330	940 x 1210 x 330	
Net Weight	Indoor Unit	kg	14.5	14.5	18.0	18.0	
	Outdoor Unit	kg	45.0	51.0	75.0	81.0	91.5
<b>Refrigerant</b>							



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Outdoor Unit - Mono-Phase						
Outdoor Unit - Tri-Phase						
<b>Refrigerant</b>						
Type	R32 (contains fluorinated greenhouse gases. GWP = 675)					
Factory Charging	kg	1.2/10 m	1.7/15 m	2.7/30 m	2.7/30 m	2.9/30 m
Charging Ton equivalent CO <sub>2</sub>	tCO <sub>2</sub> e	0.81	1.15	1.82	1.82	1.96
Additional Refrigerant Charging	g/m	15	25	50	50	50
<b>Piping Connections</b>						
Liquid Pipe	ø, inch	1/4	1/4	3/8	3/8	3/8
Gas Pipe	ø, inch	1/2	5/8	5/8	5/8	5/8
<b>Piping Length</b>						
Min/Max	m	3/30	3/50	50	50	75
<b>Piping Height</b>						
Max	m	20	30	30	30	30
<b>Piping Connections</b>						
Drain Pipe	ø, mm	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)
<b>Others</b>						
<b>Panel</b>						
Model Code		PC4NUFMAN	PC4NUFMAN	PC4NUFMAN	PC4NUFMAN	PC4NUFMAN
Net Dimensions (W x H x D)	mm	950 x 48 x 950	950 x 48 x 950	950 x 48 x 950	950 x 48 x 950	950 x 48 x 950
Net Weight	kg	6.3	6.3	6.3	6.3	6.3
<b>Accessories</b>						
Drain Pump		Included	Included	Included	Included	Included
Max. Lifting Height/Displacement	mm / litres/h	750/24	750/24	750/24	750/24	750/24

### Accessories

							
Wireless Remote Controller	Simple Type Controller	Touch Controller	Advanced Wired Controller	Panel (Mandatory)	External Thermostat	Wi-Fi Kit	SPI Ioniser
AR-EH03E	MWR-SHOON	MWR-SHT1N	MWR-WG00JN/ MWR-WG00KN	PC4NUFMAN	MRW-TA	MIM-H04EN	MSD-CAN1

<sup>1</sup>Energy labels as shown are according to EU No 626/2011 (LOT10) label classification 2019, on a scale from D to A+++.