

Specifications

WindFree™ 4-Way Cassette R32

- 2-Step Cooling: Fast Cooling & WindFree™ 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		AC052RN4DKG/EU	AC071RN4DKG/EU	AC100RN4DKG/EU	AC120RN4DKG/EU	AC140RN4DKG/EU	
Outdoor Unit - Mono-Phase		AC052RXADKG/EU	AC071RXADKG/EU	AC100RXADKG/EU	AC120RXADKG/EU	AC140RXADKG/EU	
Outdoor Unit - Tri-Phase		-	-	AC100RXADNG/EU	AC120RXADNG/EU	AC140RXADNG/EU	
Capacity							
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	1.90/8.00/9.00	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	
Performance							
Energy Efficiency Cooling	SEER ¹	7.6/ A++	6.7/ A++	7.0/ A++	6.0/ A+	6.6/ A++	
	Power Consumption	kWh/a	230	371	500	-	-
	Pdesignc	kW	5.0	7.1	10.0	-	-
	EER	W/W	3.50	2.98	2.92	2.60	3.16
Energy Efficiency Heating	SCOP ¹	4.3/ A+	4.2/ A+	4.3/ A++	4.0/ A+	4.3/ A++	
	Power Consumption	kWh/a	847	1,500	1,726	-	-
	Pdesignh (average)	kW	2.60	4.50	5.30	-	-
	COP ¹	W/W	4.03	3.27	3.61	3.18	3.16
Airflow Rate	Indoor Unit (H/M/L)	m ³ /min	40.0	51.0	72.0	72.0	110.0
Sound Power	Indoor Unit	dB(A)	49	53	61	61	61
	Outdoor Unit	dB(A)	62	65	69	70	69
Sound Pressure	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
Fan/Outdoor Unit	Type	BLDC	BLDC	BLDC	BLDC	BLDC	
	Power	W	65	65	97	97	97
	Number of Fans	-	1	1	1	1	1
Operating Temperature Range	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
Electrical Data							
Power Source	Indoor Unit	Φ, #, V, Hz	1Φ, 2, 220-240 V, 50 Hz	1Φ, 2, 220-240 V, 50 Hz	1Φ, 2, 220-240 V, 50 Hz	1Φ, 2, 220-240 V, 50 Hz	1Φ, 2, 220-240 V, 50 Hz
	Outdoor Unit Mono-Phase	Φ, #, V, Hz	1Φ, 2, 220-240 V, 50 Hz	1Φ, 2, 220-240 V, 50 Hz	1Φ, 2, 220-240 V, 50 Hz	1Φ, 2, 220-240 V, 50 Hz	1Φ, 2, 220-240 V, 50 Hz
	Outdoor Unit Tri-Phase	Φ, #, V, Hz	-	-	3Φ, 4, 380-415 V, 50 Hz	3Φ, 4, 380-415 V, 50 Hz	3Φ, 4, 380-415 V, 50 Hz
Compressor Type	Outdoor Unit	Type	Twin BLDC	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	0.80/4.62/6.45
	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
Dimensions							
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	840 x 204 x 840
	Outdoor Unit	mm	880 x 638 x 310	880 x 798 x 310	940 x 998 x 330	940 x 998 x 330	940 x 1,210 x 330
Net Weight	Indoor Unit	kg	14.5	14.5	14.5	18.0	18.0
	Outdoor Unit	kg	43.0	51.0	75.0	81.0	91.5



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Outdoor Unit - Tri-Phase		-	-	AC100RXADNG/EU	AC120RXADNG/EU	AC140RXADNG/EU	
Refrigerant							
Refrigerant	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 ₂	tCO ₂ e	0.81	1.15	1.82	1.82	1.96
	Additional Refrigerant Charging	g/m	15	25	50	50	50
Piping Connections	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
Piping Length	Min/Max	m	3/30	3/50	50	50	75
Piping Height	Max	m	20	30	30	30	30
Piping Connections	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)
Others							
Panel	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
Accessories	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)
AR-EH03E	MWR-SH00N	MWR-SH11N	MWR-WG00JN / MWR-WG00KN	PC4NUFMAN
				
External Thermostat	Wi-Fi Kit	SPI Ioniser	Air Purification Panel	Auto Elevation Panel
MRW-TA	MIM-H04EN	MSD-CAN1	PC4NUCEAN	PC4NUXMAN

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