

# Specifications

## 360 Cassette R32

- 360° air supply.
- Bladeless discharge thanks to three small booster fans.
- Built-in condensation drain pump (750 mmH<sub>2</sub>O).
- High ceiling mode for heights up to 4.6 m (12.8/14.0 kW), 3.9 m (11.2 kW), 3.5 m (4.5-9.0 kW).
- Circular or square cassette panel.
- Motion Detector Sensor is optional for square cassette panel.
- Optional PM1.0 panel.

















Indoor Unit			AC071RN4PKG/EU	AC100RN4PKG/EU	AC120RN4PKG/EU	AC140RN4PKG/EU
Outdoor Unit - Mono-Phase			AC071RXADKG/EU	AC100RXADKG/EU	AC120RXADKG/EU	AC140RXADKG/EU
Outdoor Unit - Tri-Phase			-	AC100RXADNG/EU	AC120RXADNG/EU	AC140RXADNG/EU
<b>Capacity</b>						
	Cooling (Min/Nominal/Max)	kW	1.50/7.10/8.70	3.00/10.00/12.00	3.50/12.00/13.50	3.50/13.40/15.50
	Heating @ +7 °C (Min/Nominal/Max)	kW	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	7.80	11.00	12.90	15.20
	Heating @ -15 °C	kW	7.00	9.70	11.50	13.50
<b>Performance</b>						
Energy Efficiency Cooling	SEER <sup>1</sup>	W/W	6.7/ <span style="color: green;">A++</span>	6.8/ <span style="color: green;">A++</span>	6.0/ <span style="color: green;">A+</span>	6.4
	Power Consumption	kWh/a	371	515	700	-
	Pdesignc	kW	7.1	10.0	12	13.4
	EER	W/W	2.60	3.08	2.69	2.81
Energy Efficiency Heating	SCOP <sup>1</sup>	W/W	4.2/ <span style="color: green;">A+</span>	4.3/ <span style="color: green;">A+</span>	4.0/ <span style="color: green;">A+</span>	4.1
	Power Consumption	kWh/a	1,500	1,726	2,275	-
	Pdesignh (average)	kW	4.5	5.3	6.5	8.4
	COP <sup>1</sup>	W/W	3.23	3.50	3.26	3.35
Airflow Rate	Indoor Unit (H/M/L)	m <sup>3</sup> /min	51.0	72.0	72.0	110.0
Sound Power	Indoor Unit	dB(A)	53	61	61	61
	Outdoor Unit	dB(A)	65	69	70	69
Sound Pressure	Indoor Unit (H/M/L)	dB(A)	36/33/29	44/39/33	45/40/35	45/41/37
	Outdoor Unit (H/L)	dB(A)	51/49	54/52	56/54	54/53
Fan/Outdoor Unit	Type		Turbo	Turbo	Turbo	Turbo
	Power	W	65	97	97	97
	Number of Fans		1	1	1	1
Operating Temperature Range	Cooling	°C	-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
<b>Electrical Data</b>						
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
	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
	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
Power (Min/Nominal/Max)	Cooling	kW	0.35/2.73/3.60	0.60/3.24/4.70	0.90/4.45/5.30	0.80/4.76/6.45
	Heating	kW	0.35/2.48/3.95	0.46/3.20/5.40	0.75/4.05/5.60	0.70/4.62/7.36
Current Input	Cooling (Min/Std/Max)	A	2.00/11.80/16.00	3.00/14.40/20.40	0.75/4.05/5.60	3.70/20.60/28.00
	Heating (Min/Std/Max)	A	2.0/10.7/17.0	3.0/14.4/20.4	3.7/17.7/26.0	3.7/20.6/28.0
	Cooling - Tri-Phase (Min/Std/Max)	A	-	1.5/5.1/7.1	2.1/6.9/10.0	2.1/7.3/10.5
	Heating - Tri-Phase (Min/Std/Max)	A	-	1.2/5.0/8.4	2.1/6.3/12.0	1.9/7.1/12.0
<b>Dimensions</b>						
Net Dimensions (W x H x D)	Indoor Unit	mm	947 x 281 x 947	947 x 365 x 947	947 x 365 x 947	947 x 365 x 947
	Outdoor Unit	mm	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	20.2	23.5	23.5	25.5
	Outdoor Unit	kg	51.0	75.0	81.0	91.5



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Outdoor Unit - Tri-Phase	-	AC100RXADNG/EU	AC120RXADNG/EU	AC140RXADNG/EU

Refrigerant		R32 (contains fluorinated greenhouse gases. GWP = 675)			
Refrigerant	Type				
	Factory Charging	kg	1.7/15 m	2.7/30 m	2.9/30 m
	Charging Ton Equivalent CO <sub>2</sub>	tCO <sub>2</sub> e	1.15	1.82	1.96
	Additional Refrigerant Charging	g/m	25	50	50
Piping Connections	Liquid Pipe	ø, inch	1/4	3/8	3/8
	Gas Pipe	ø, inch	5/8	5/8	5/8
Piping Length	Min/Max	m	3/50	50	75
Piping Height	Max	m	30	30	30
Piping Connections	Drain Pipe	ø, mm	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)
Others					
Panel	Model Code		PC4NUNMAN PC4NBNMAN PC4NUDMAN PC4NBDMAN	PC4NUNMAN PC4NBNMAN PC4NUDMAN PC4NBDMAN	PC4NUNMAN PC4NBNMAN PC4NUDMAN PC4NBDMAN
	Net Dimensions (W x H x D)	mm	1,050 x 66 x 1,050	1,050 x 66 x 1,050	1,050 x 66 x 1,050
	Net Weight	kg	2.7	2.7	2.7
Accessories	Drain Pump		Included	Included	Included
	Max. Lifting Height/Displacement	mm / litres/h	750/24	750/24	750/24

### Accessories

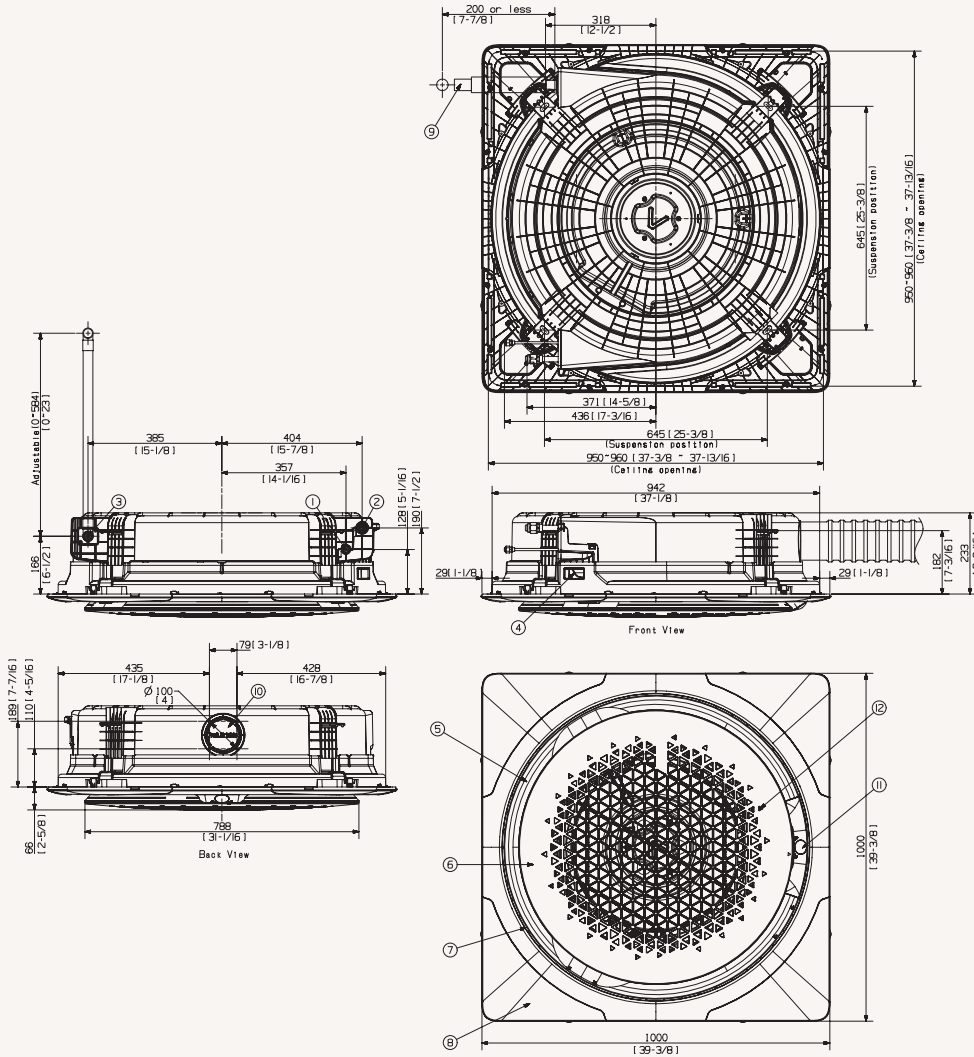
					
Wireless Remote Controller	Simple Type Controller	Touch Controller	Advanced Wired Controller	Touch Centralised Controller	DMS2.5
AR-KH03E	MWR-SH00N	MWR-SH11N	MWR-WG00JN/MWR-WG00KN	MCM-A300N	MIM-D01AN
					
BACnet/Lonworks/PIM	ON/OFF Controller	Modbus Module	Wi-Fi Kit	External Thermostat	Motion Detect Sensor for PC4NUDMAN
MIM-B17BN/B18BN/B16N	MCM-A202DN	MIM-B19N	MIM-H04EN	MRW-TA	MCR-SME
					
Panel (Mandatory)	Panel (Mandatory)	Panel (Mandatory)	Panel (Mandatory)	Auto Elevation Panel	Air Purification Panel
PC4NUDMAN	PC4NUNMAN	PC4NBDMAN	PC4NBNMAN	PC6EUXMAN	PC6EUCMAN

<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+++.

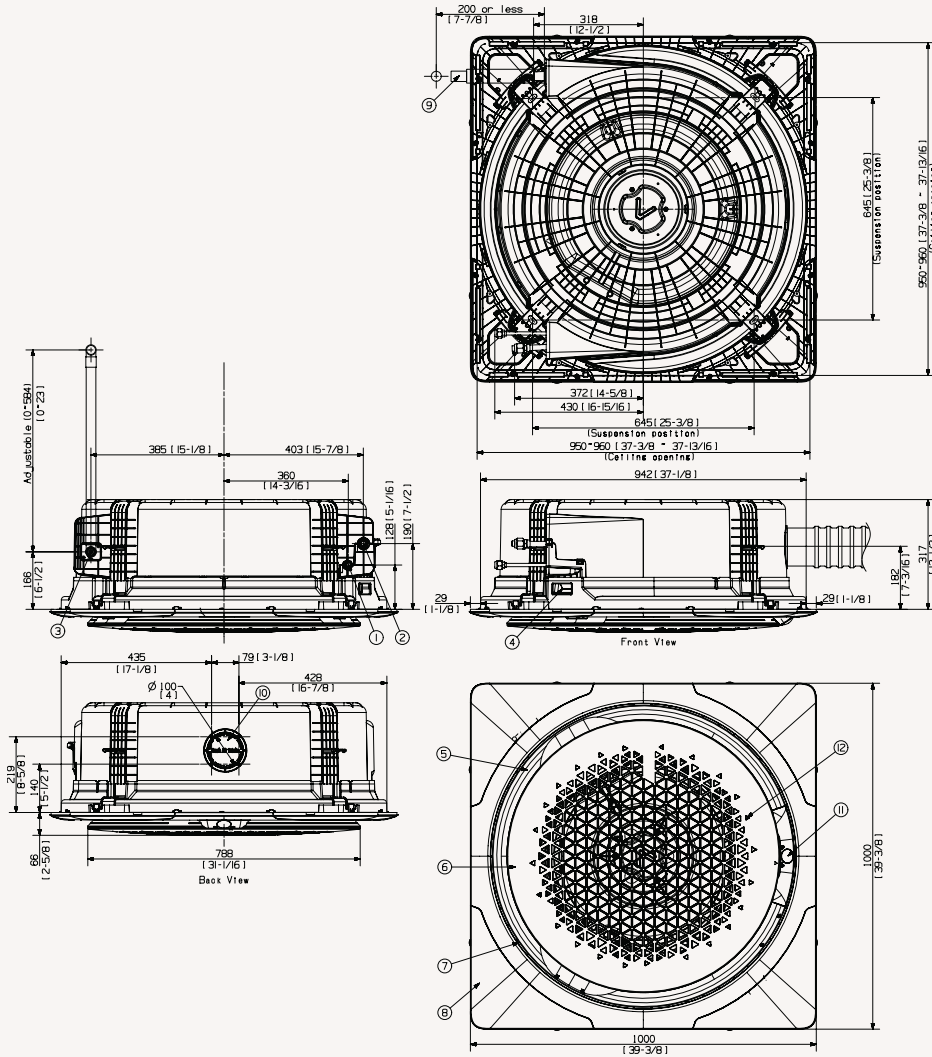
# Dimensional drawings

360 Cassette (square) R32

AC071\*N4PK\*/EU



NO	Name	Description
1	Liquid piping	ø6.35 (1/4)
2	Gas piping	ø15.88 (5/8)
3	Condensation drain piping	VP25 (OD 32, ID 25)
4	Power supply/communication wiring conduits	
5	Air supply	
6	Air intake	
7	Booster Fan hollow space	
8	Panel	
9	Condensation drain piping (accessory)	
10	Knock-out hole - external air	ø100 mm
11	Display	
12	Wireless remote controller receiver	



NO	Name	Description
1	Liquid piping	$\varnothing 9.52$ (3/8)
2	Gas piping	$\varnothing 15.88$ (5/8)
3	Condensation drain piping	VP25 (OD 32, ID 25)
4	Power supply/communication wiring conduits	
5	Air supply	
6	Air intake	
7	Booster Fan hollow space	
8	Panel	
9	Condensation drain piping (accessory)	
10	Knock-out hole - external air	$\varnothing 100$ mm
11	Display	
12	Wireless remote controller receiver	