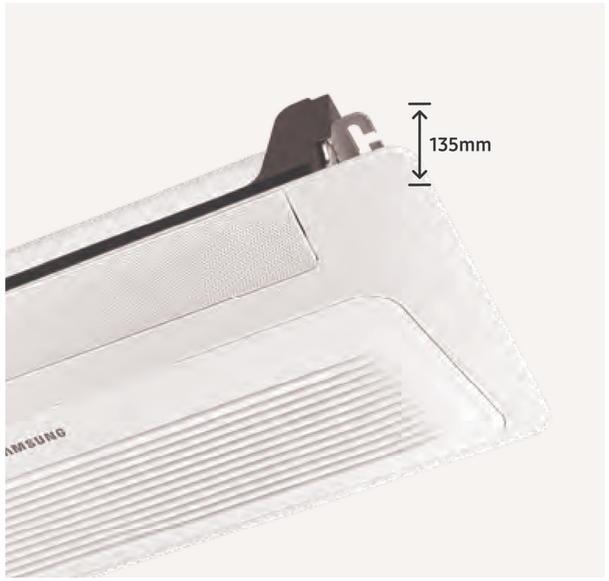
Featured Products

Wind-Free™ 1-Way Cassette

Wind-Free Technology

Wind-Free™ Cooling is some of Samsung's most advanced technology. The Wind-Free™ 1-Way Cassette pushes air out through tiny holes in the panel, dispersing a gentle flow of air. These 13,000 micro holes are paramount in creating a kind of airflow called still air*, which cools the room gradually and noticeably with no draughts.

* ASHRAE (American Society of Heating, Refrigeration, and Air-Conditioning Engineers) defines "Still Air" as air currents moving at speeds below 0.15m/s, which lacks the presence of cold draughts



Slim Installation/Small Footprint

At a height of only 135mm[1], the Wind-Free™ 1-Way Cassette is a compact and lightweight device (8-13.5kg[2]). This slim design makes it not only visually pleasing, but also easier to install and maintain, and it can be fitted in the smallest of ceiling gaps.

1 Up to 3.6kW, larger models measure 138mm
2 1.7kW & 2.2kW models measure 8kg. 5.6kW & 7.1kW measure 13.5kg

Wider Cooling Range

The larger and optimised blade works to cools a larger area much faster. Its sleek design can deliver cool air efficiently up to 8m* and offers rapid and even cooling, with no zone left untouched.

* Based on the 7.1kW indoor unit.

→ For Multi Split (FJM) please see: Page 3.28

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Specifications

Wind-Free™ 1-Way Cassette R32 NEW

- 2-StepCooling – FastCooling & Wind-Free™ Cooling.
- Blade angle between 37° and 87°, Blade width100mm.
- Built-in humidity sensor.
- Height of only 135 mm.
- Built-in condensation drain pump (750 mmH2O).

Indoor Unit Outdoor Unit- Mono-Phase Outdoor Unit- Tri-Phase			AC026RN1DKG/EU AC026RXADKG/EU	AC035RN1DKG/EU AC035RXADKG/EU
Capacity				
	Cooling (Min/Nominal/Max)	kW	0.82 / 2.60 / 3.80	0.85 / 3.50 / 4.20
	Heating up to +7°C (Min/Nominal/Max)	kW	0.98 / 3.30 / 4.40	1.00 / 4.00 / 5.00
	Heating @ -5°C	kW	3.2	3.9
	Heating @ -15°C	kW	2.9	2.8
Performance				
Energy Efficiency Cooling	SEER	W/W	6.4 / A++	6.2 / A++
	Consumption	kWh/a	142	198
	Pdesignc	kW	2.6	3.5
	EER	W/W	3.61	3.21
Energy Efficiency Heating	SCOP	W/W	4.0 / A+	4.0 / A+
	Consumption	kWh/a	700	700
	Pdesignh (average)	kW	2,0	2,0
	COP	W/W	3.26	3.12
AirFlow Rate	Indoor Unit (High/Mid/Low)	m3/min	7.3 / 6.5 / 5.8	9.0 / 8.2 / 7.2
Sound Power	Indoor Unit	dB(A)	52	55
	Outdoor Unit	dB(A)	59	61
Sound Pressure	Indoor Unit (Silent/Low/Mid/High)	dB(A)	25 /26 / 29 / 32	28 / 29 / 32 / 35
	Outdoor Unit	dB(A)	46 / 47	48 / 48
Fan/ Outdoor unit	Type		Crossflow Fan	Crossflow Fan
	Power	W	27	27
	Number	EA	1	1
External Static Pressure	Min / Std / Max	Pa		
Operating Temp. Range	Cooling	°C	-15 ~ 46	-15 ~ 46
	Heating	°C	-20 ~ 24	-20 ~ 24
Electrical Data				
Power Source	Indoor Unit	V / Hz / Φ/ #	220~240/ 50/ 1/ 2	220~240/ 50/ 1/ 2
	Outdoor Unit 1P	V / Hz / Φ/ #	220~240/ 50/ 1/ 2	220~240/ 50/ 1/ 2
	Outdoor Unit 3P	V / Hz / Φ/ #		
Compressor Type	Outdoor Unit	Type	Single BLDC	Single BLDC
Power (Min/ Nominal/Max)	Cooling	kW	0.17 / 0.72 / 1.16	0.18 / 1.09 / 1.40
	Heating	kW	0.20 / 1.01 / 1.45	0.19 / 1.28 / 1.80
Current Input	Cooling (Min/Std/Max)	A	1.2 / 3.8 / 5.4	1.6 / 5.3 / 7.5
	Heating (Min/Std/Max)	A	1.4 / 5.0 / 7.0	1.3 / 6.2 / 10.5
	Cooling- Tri-Phase (Min/Std/Max)	A		
	Heating- Tri-Phase (Min/Std/Max)	A		
Dimensions				
Net Dimensions (W x H x D)	Indoor Unit	mm	970 x 135 x 410	970 x 135 x 410
	Outdoor Unit	mm	790 x 548 x 285	790 x 548 x 285
Net Weight	Indoor Unit	kg	9.2	9.2
	Outdoor Unit	kg	32.5	32.5
Refrigerant				
Refrigerant	Type		R32(Contains fluorinated greenhouse gases. GWP=675)	
	Factory charging	kg	0.9 / 20m	0.9 / 20
	Charging Ton equivalent CO2	tCO2e	0.61 tCO2e	0.61 tCO2e
	Additional refrigerant charging	g / m	-	-
Piping Connections	Liquid Pipe	Φ.inch	1 / 4	1 / 4
	Gas Pipe	Φ.inch	3 / 8	3 / 8
Piping Length	Min/ Max	m	3 / 20	3 / 20
Piping Height	Max	m	15	15
Piping Connections	Drain pipe	Φ.mm	ID 18	ID 18
Others				
Panel	Model code		PC1NWFMAN	PC1NWFMAN
	Net Dimensions (W x H x D)	mm	1198 x 35 x 500	1198 x 35 x 500
	Net Weight	kg	4.3	4.3
Accessoires	Drain pump		included	included
	Max lifting height/ displacement	mm / l/h	750/24	750/24

Accessories					
Individual Controllers (Optional)				Others (Optional)	
AR-EH05E	MWR-SH00N	MWR-SH11N	MWR-WE13N	PC1NWFMAN	MRW-TA

SAMSUNG

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Learn more about Samsung Climate Solutions at: **www.samsung.com/climate**

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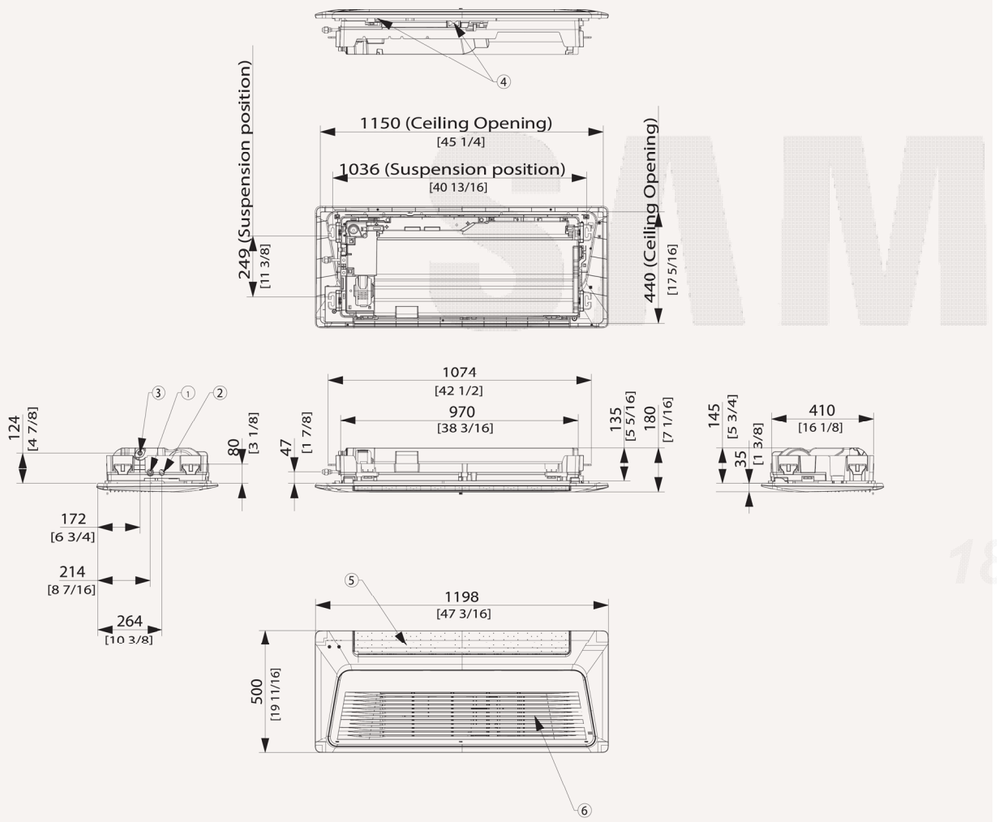
Dimensional Drawings

Wind-Free™ 1-Way Cassette

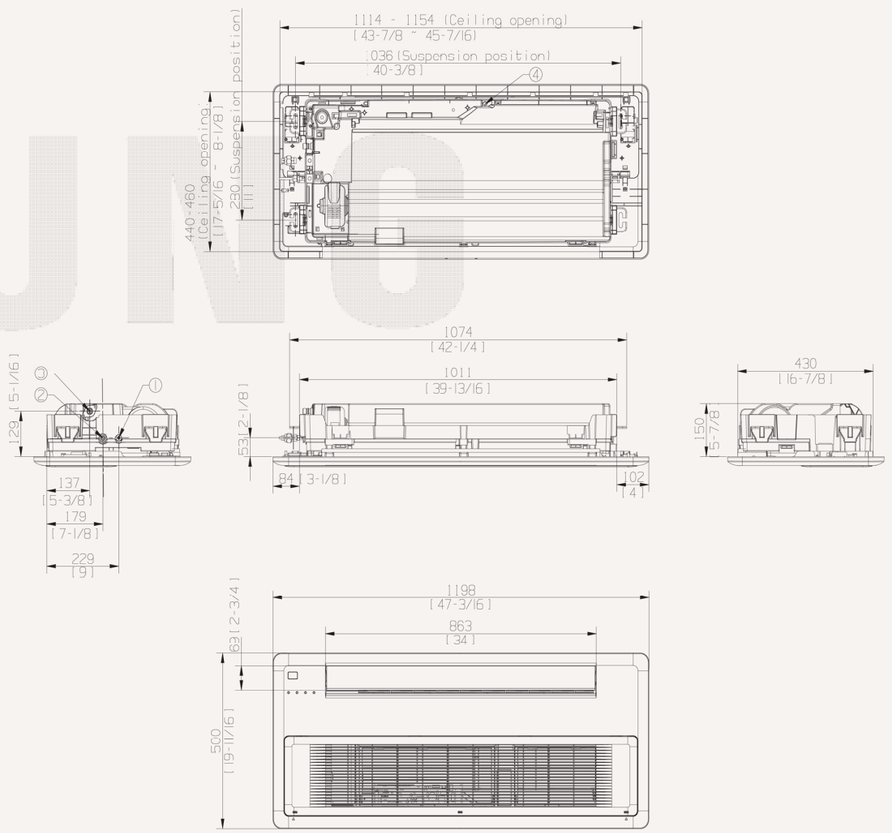
AC0026/035RN1DKG/EU



No.	Name	Description
1	Gas pipe connection	Ø9.52 (3/8")
2	Liquid pipe connection	Ø6.35 (1/4")
3	Drain hose connection	VP20 (OD26, ID20)
4	Power supply/Communication wiring conduit	-
5	Air outlet louver	-
6	Air inlet grille	-

1-Way Cassette

AC026/035MN1DKH/EU



No.	Name	Description
1	Liquid pipe connection	Φ6.35(1/4)
2	Gas pipe connectionn	Φ9.52(3/8)
3	Drain pipe connection	VP-20(OD26, ID20)
4	Power supply & Communication wiring conduit	-

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