




















# Line-up

CAC 

Type		2.6 kW	3.5 kW	5.2 kW	7.1 kW	10 kW	12 kW	14 kW
								
360 Cassette					•	•	•	•
WindFree™ 4-Way Cassette				•	•	•	•	•
WindFree™ 4-Way 600 x 600 Cassette		•	•	•	•			
WindFree™ 1-Way Cassette		•	•					
WindFree™ Deluxe		•	•	•	•			
Max Wall-Mounted						•		
LSP Duct		•	•	•	•			
MSP Duct			•	•	•	•	•	•
Console		•	•	•				
Ceiling				•	•	•	•	•



# Line-up

## CAC HEE (High Energy Efficiency) R32

Type		2.6 kW	3.5 kW	5.2 kW	7.1 kW	10 kW	12 kW	14 kW
								
360 Cassette				•	•	•	•	•
WindFree™ 4-Way Cassette				•	•	•	•	•
WindFree™ 4-Way 600 x 600 Cassette		•	•	•				
WindFree™ Deluxe		•	•	•	•			
Max Wall-Mounted						•		
MSP Duct			•	•	•	•	•	•
Console		•	•					
Ceiling				•	•			

## CAC R410A

Type		10 kW	14 kW	20 kW	25 kW
					
HSP Duct				•	•
Floor-Standing		•	•		

# Selection guide



Model		360 Cassette	WindFree™ 4-Way 600 x 600 Cassette	WindFree™ 4-Way Cassette	WindFree™ 1-Way Cassette
Airflow	WindFree™ Cooling		●	●	●
	360 Degree Air Supply	●			
Air Purification	Long-life Filter				
Functions	Samsung SmartThings	Optional	Optional	Optional	Optional
	Wi-Fi Kit Compatibility	Optional	Optional	Optional	Optional
	Humidity Sensor		●	●	●
	MDS (Motion Detect Sensor)	Optional <sup>1</sup>	Optional	Optional	
Operating Mode	Quiet				
Controls	Remote Controller Included				
Others	Drain Pump Included	●	●	●	●



Model		WindFree™ Deluxe	Max Wall-Mounted
Airflow	WindFree™ Cooling	●	
	360 Degree Air Supply		
Air Purification	Long-life Filter	●	●
Functions	Samsung SmartThings	Optional	Optional
	Wi-Fi Kit Compatibility	Optional	Optional
	Humidity Sensor		
	MDS (Motion Detect Sensor)		
Operating Mode	Quiet		
Controls	Remote Controller Included	●	
Others	Drain Pump Included		

	Console	Ceiling	Floor-Standing
Airflow			
Air Purification	●	●	●
Functions	Optional	Optional	Optional
	Optional	Optional	Optional
Operating Mode			●
Controls	●	● <sup>2</sup>	
Others			

<sup>1</sup> MDS is optional for a Square panel.

<sup>2</sup> The remote controller is only included in the 5.2 kW and 7.1 kW ceiling unit.



Duct



LSP Duct	MSP Duct	HSP Duct
•	•	
Optional	Optional	Optional
Optional	Optional	Optional
Optional	Optional	Optional



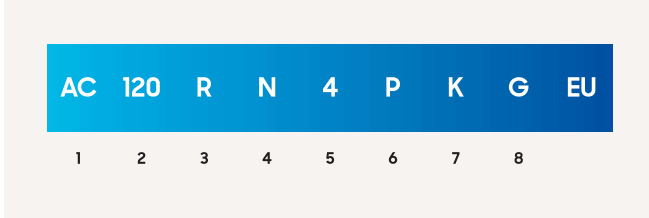






# Nomenclature

## Commercial - Indoor units



1	Classification	AC	Commercial Air Conditioner (CAC)
2	Capacity	x1/10 kW (3 digits)	
3	Year	N	2018
		R	2019
		T	2020
		B	2022
4	Product Type	N	Indoor Unit (NASA)
5	Product Notation	1	WindFree™ 1-Way Cassette
		N	WindFree™ 4-Way 600 x 600 Cassette
		4	360 Cassette, WindFree™ 4-Way Cassette, 4-Way Cassette
		L	LSP Duct
		M	MSP Duct
		C	Ceiling
		J	Console
		P	Floor-Standing
		A	Triangle Wall-Mounted
		T	Max Wall-Mounted
6	Feature	F	Flagship
		S	Standard
		D	Deluxe
		P	Premium
7	Voltage Rating	K	1Φ, 220-240 V, 50 Hz
		N	3Φ, 380-415 V, 50 Hz
8	Mode	G/H	Heat Pump



## Commercial - Outdoor units

AC	120	R	X	A	D	K	G	EU
1	2	3	4	5	6	7	8	

1	Classification	AC	Commercial Air Conditioner (CAC)
2	Capacity	x 1000 Btu/h (3 digits)	
3	Year	N	2018
		R	2019
		T	2020
		B	2022
4	Product Type	X	Outdoor Unit (NASA)
5	Feature 1	A	Inverter + Side + General Temperature
		S	Inverter + Side + Low Temperature
6	Feature 2	C	Deluxe + Low Temperature
		D	Deluxe
		P	Premium
7	Voltage Rating	E	1Φ, 220~240 V, 50 Hz
		G	3Φ, 380~415 V, 50 Hz
		K	1Φ, 220~240 V, 50/60 Hz
		N	3Φ, 380~415 V, 50/60 Hz
8	Mode	G	Heat Pump (R32)
		H	Heat Pump (R410A)

# Twin/Triple/Quad combinations

CAC R32

Indoor Unit	kW	Outdoor Unit			
		AC071RXADKG/EU AC071BXAPKG/EU AC071BXAPNG/EU	AC100RXADKG/EU AC100BXAPKG/EU AC100RXADNG/EU AC100BXAPNG/EU	AC120RXADKG/EU AC120BXAPKG/EU AC120RXADNG/EU AC120BXAPNG/EU	AC140RXADKG/EU AC140BXAPKG/EU AC140RXADNG/EU AC140BXAPNG/EU
360 Cassette 	7.0				2
	10.0				
	12.0				
WindFree™ 4-Way Cassette 	5.0		2	3	3
	7.0				2
	10.0				
	12.0				
WindFree™ 4-Way 600 x 600 Cassette 	3.5	2	3	4	4
	5.0		2	3	3
	7.0				2
WindFree™ 1-Way Cassette 	3.5	2*	3*	4*	4*
WindFree™ Deluxe 	3.5	2	3	4	4
	5.0		2	3	3
	7.0				2
LSP Duct 	3.5	2*	3*	4*	4*
	5.0		2*	3*	3*
	7.0				2
MSP Duct 	3.5	2	3	4	4
	5.0		2	3	3
	7.0				2
	10.0				
Console 	3.5	-	-	-	-
	5.0	-	-	-	-
Ceiling 	5.0		2	3	3
	7.0				2
	10.0				
	12.0				

\* Combination is only compatible with CAC ODU





Commercial Split



# 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



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

Refrigerant		R32 (contains fluorinated greenhouse gases. GWP = 675)				
Refrigerant	Type					
	Factory Charging	kg	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	1.15	1.82	1.82	1.96
	Additional Refrigerant Charging	g/m	25	50	50	50
Piping Connections	Liquid Pipe	ø, inch	1/4	3/8	3/8	3/8
	Gas Pipe	ø, inch	5/8	5/8	5/8	5/8
Piping Length	Min/Max	m	3/50	50	50	75
Piping Height	Max	m	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)
Others						
Panel	Model Code		PC4NUNMAN PC4NBNMAN PC4NUDMAN PC4NBDMAN	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	1,050 x 66 x 1,050
	Net Weight	kg	2.7	2.7	2.7	2.7
Accessories	Drain Pump		Included	Included	Included	Included
	Max. Lifting Height/Displacement	mm / litres/h	750/24	750/24	750/24	750/24

### Accessories

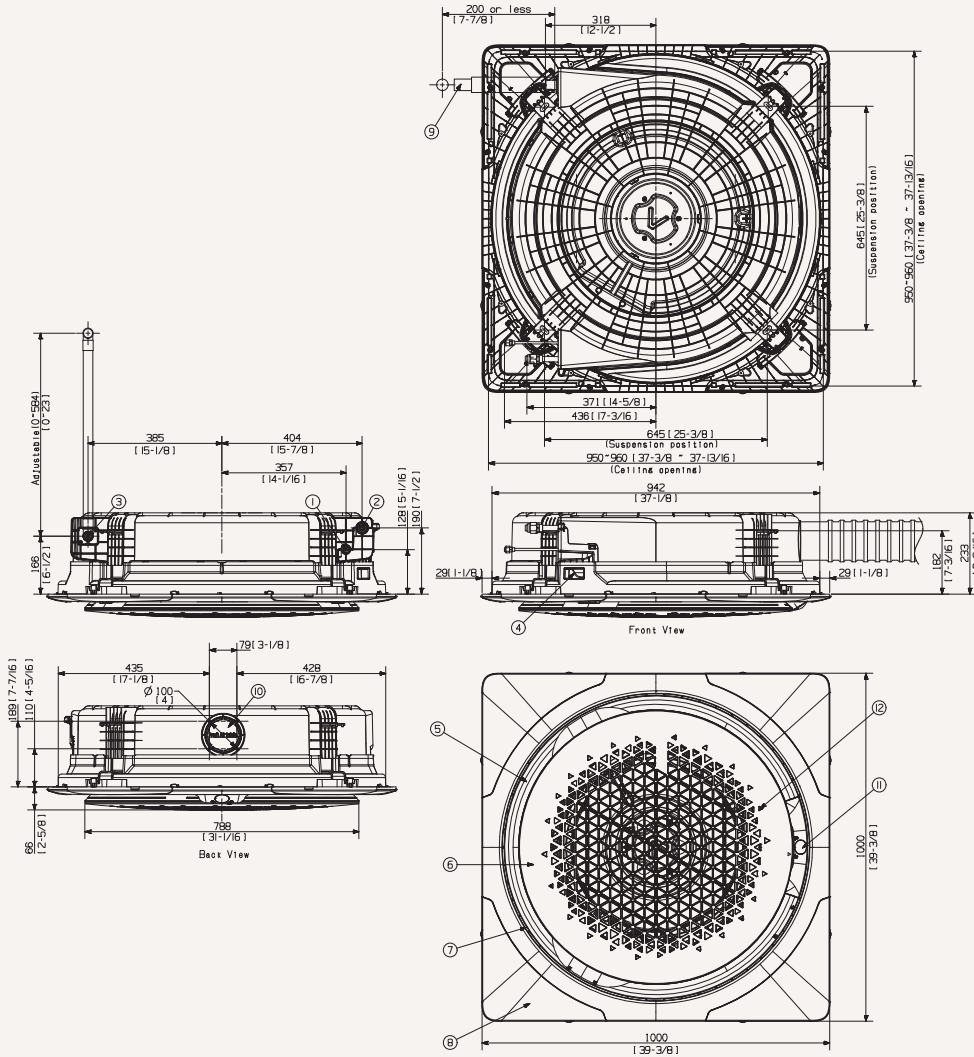
					
Wireless Remote Controller	Simple Type Controller	Touch Controller	Advanced Wired Controller	Touch Centralised Controller	DMS 2.5
AR-KH03E	MWR-SH00N	MWR-SH11N	MWR-WG00JN/MWR-WG00KN	MCM-A300N	MIM-D01AN
					
BACnet/Lonworks/PIM	ON/OFF Controller	Modbus Module	Wi-Fi Kit	External Thermostat	Motion Detect 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

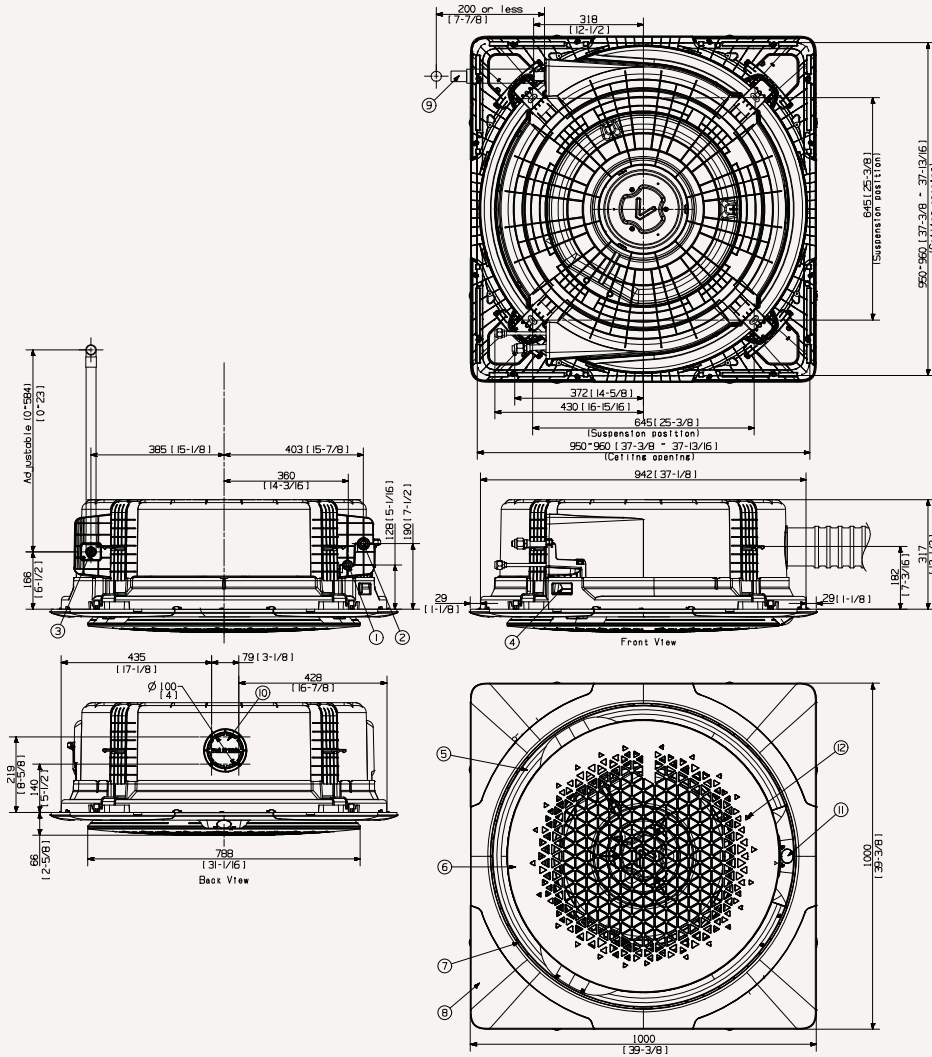
360 Cassette (square) R32

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	



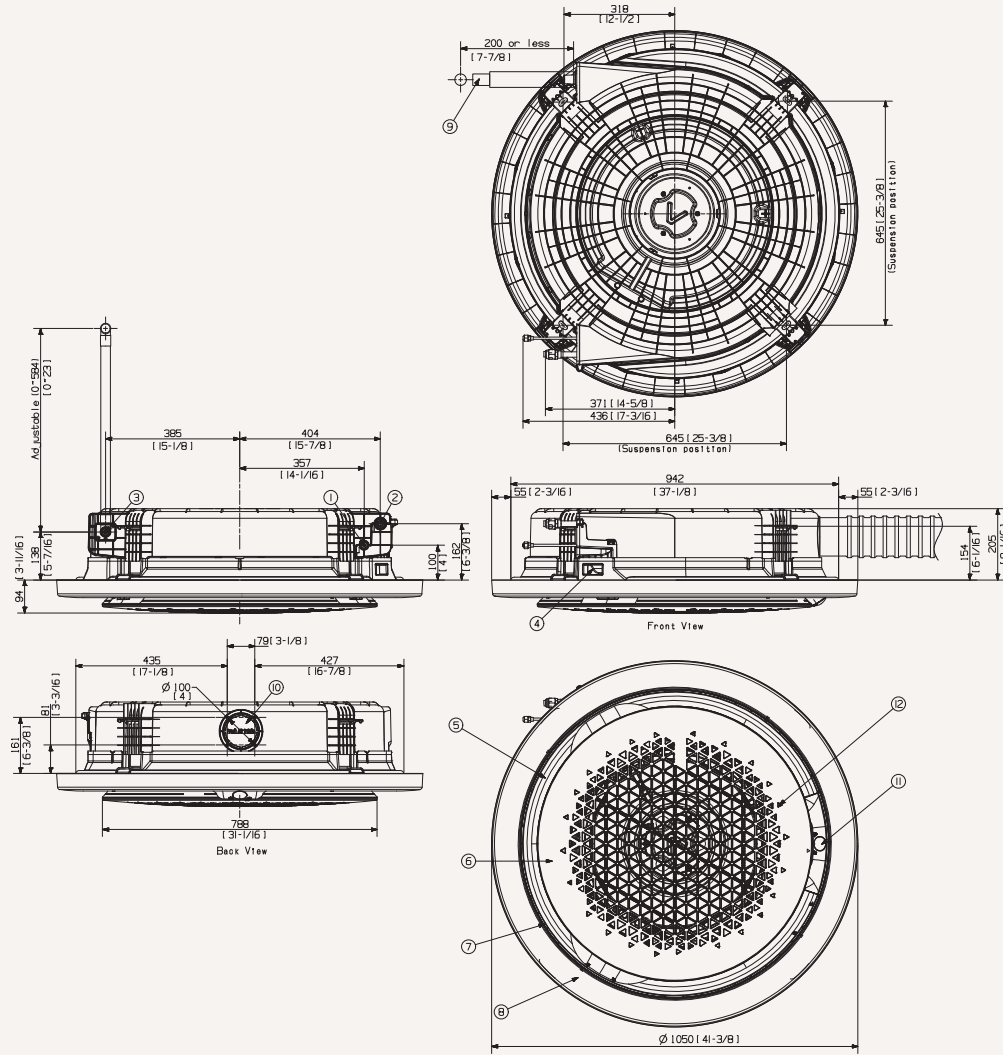


NO	Name	Description
1	Liquid piping	ø9.52 (3/8)
2	Gas piping	ø15.88 (5/8)
3	Condensation drain piping	VP25 (OD 32, ID 25)
4	Power supply/communication wiring conduits	
5	Air supply	
6	Air intake	
7	Booster Fan hollow space	
8	Panel	
9	Condensation drain piping (accessory)	
10	Knock-out hole - external air	ø 100 mm
11	Display	
12	Wireless remote controller receiver	

# Dimensional drawings

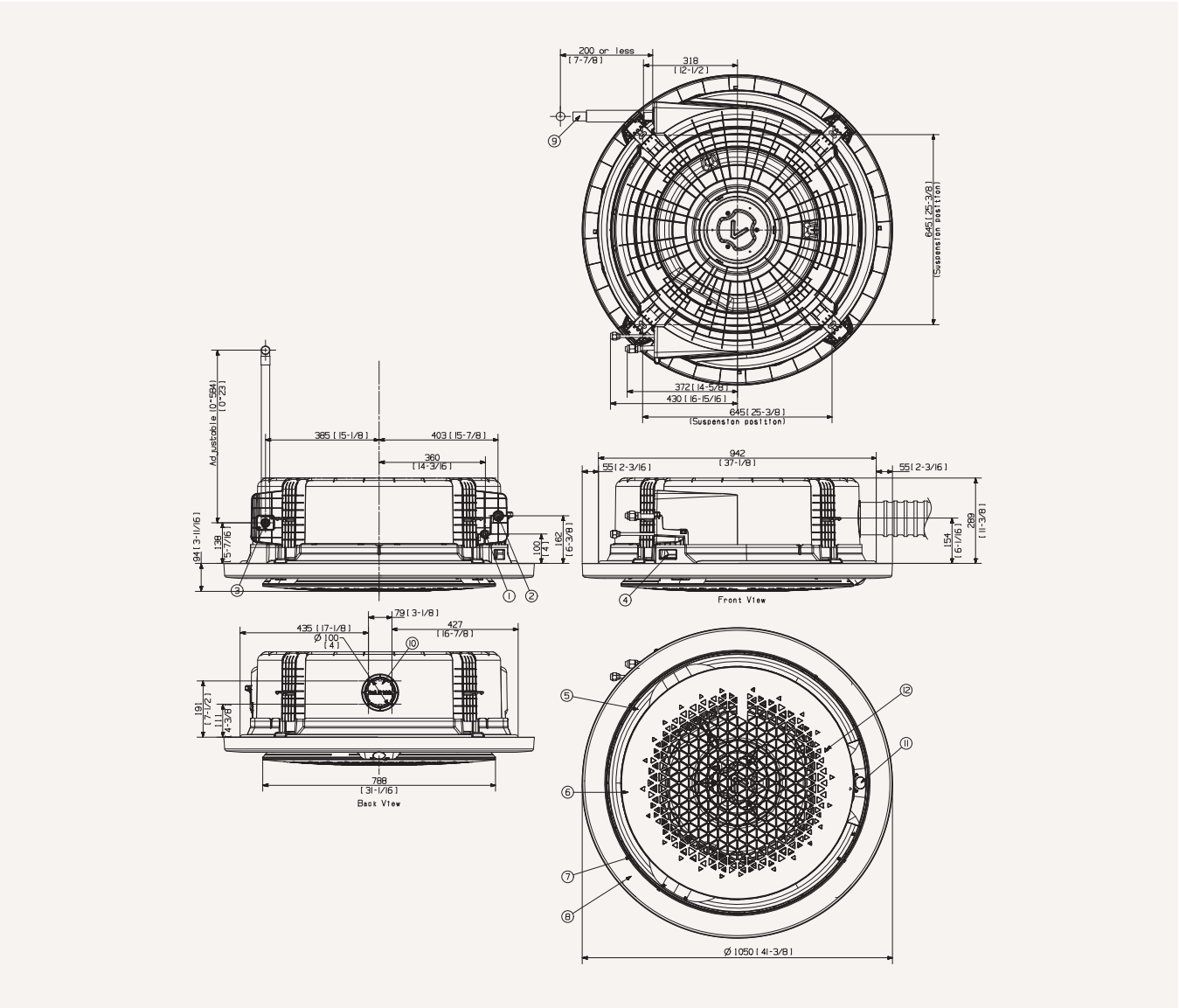
360 Cassette (circle) R32

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	ø9.52 (3/8)
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	

# Specifications

## CAC 360 Cassette HEE 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).
- Compatible with Samsung Air purification panel and Auto elevation panel
- Operation range from -25°C until 52°C
- Single Wi-Fi kit (optional)
- 100% heating capacity at -15°C
- Base heater as standard
- Inverter PBA self-diagnosis




Indoor Unit		AC052BN6PKG/EU	AC071BN6PKG/EU	AC100BN6PKG/EU	AC120BN6PKG/EU	AC140BN6PKG/EU	
Outdoor Unit - Mono-Phase		AC052BXAPKG/EU	AC071BXAPKG/EU	AC100BXAPKG/EU	AC120BXAPKG/EU	AC140BXAPKG/EU	
Outdoor Unit - Tri-Phase		-	AC071BXAPNG/EU	AC100BXAPNG/EU	AC120BXAPNG/EU	AC140BXAPNG/EU	
<b>Capacity</b>							
	Cooling (Min/Nominal/Max)	kW	1.20/5.00/7.50	2.10/7.10/9.80	3.80/10.00/12.50	4.10/12.10/14.00	3.50/13.40/15.50
	Heating @ +7 °C (Min/Nominal/Max)	kW	1.00/6.00/9.30	2.00/8.00/12.70	3.20/11.20/18.80	3.20/13.20/20.00	3.20/15.50/21.00
	Heating @ -5 °C	kW					
	Heating @ -15 °C	kW					
<b>Performance</b>							
Energy Efficiency Cooling	SEER <sup>1</sup>	W/W	6.7/ <span style="color: green;">A++</span>	7.8/ <span style="color: green;">A++</span>	7.6/ <span style="color: green;">A++</span>	7.3	7.1
	Power Consumption	kWh/a	211	319	461	-	-
	Pdesignc	kW	5	7.1	10	12.1	13.4
	EER	W/W	4.1	4.15	4.13	3.9	3.67
Energy Efficiency Heating	SCOP <sup>1</sup>	W/W	4.2/ <span style="color: green;">A++</span>	4.6/ <span style="color: green;">A++</span>	4.6/ <span style="color: green;">A++</span>	4.4	4.4
	Power Consumption	kWh/a	1187	1522	2435	-	-
	Pdesignh (average)	kW	3.9	5	8	9.2	9.2
	COP <sup>1</sup>	W/W	3.7	4.08	4.07	3.77	3.41
Airflow Rate	Indoor Unit (H/M/L)	m <sup>3</sup> /min	15.5 / 14.6 / 13.6	21.1 / 17.8 / 15.6	33.4 / 26.7 / 20.1	34.5 / 27.8 / 21.1	35.6 / 29.0 / 23.3
Sound Power	Indoor Unit	dB(A)	49	52	61	61	62
	Outdoor Unit	dB(A)	63	64	66	69	70
Sound Pressure	Indoor Unit (H/M/L)	dB(A)	33/31/29	35/32/29	44/39/33	45/40/35	45/41/37
	Outdoor Unit (H/L)	dB(A)	48/47	49/47	50/47	52/49	52/50
Fan/Outdoor Unit	Type		BLDC	BLDC	BLDC	BLDC	BLDC
	Power	W	125	125	125	125	125
	Number of Fans	-	1	1	2	2	2
Operating Temperature Range	Cooling	°C	-20~52	-20~52	-20~52	-20~52	-20~52
	Heating	°C	-25.0~24.0	-25.0~24.0	-25.0~24.0	-25.0~24.0	-25.0~24.0
<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	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	3Φ, 4, 380~415 V, 50 Hz
Compressor Type	Outdoor Unit	Type	Twin BLDC Rotary	Twin BLDC Rotary	Twin BLDC Rotary	Twin BLDC Rotary	Twin BLDC Rotary
Power (Min/Nominal/Max)	Cooling	kW	0.24/1.22/2.45	0.45/1.71/3.15	0.75/2.42/3.25	0.75/3.10/4.30	0.75/3.65/5.05
	Heating	kW	0.20/1.62/3.05	0.37/1.96/4.45	0.59/2.75/6.40	0.59/3.50/7.90	0.59/4.55/8.00
Current Input	Cooling (Min/Std/Max)	A	1.6/5.7/10.8	3.0/8.1/14.0	4.1/11.1/14.7	-	-
	Heating (Min/Std/Max)	A	1.4/7.4/13.5	2.5/9.1/19.7	3.2/12.5/27.9	-	-
	Cooling - Tri-Phase (Min/Std/Max)	A	-	1.0/3.0/5.2	1.4/4.1/5.2	1.4/5.0/6.7	1.4/5.8/7.8
	Heating - Tri-Phase (Min/Std/Max)	A	-	0.8/3.3/7.1	1.2/4.6/9.3	1.2/5.5/11.5	1.2/7.1/11.7
<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	947 x 365 x 947
	Outdoor Unit	mm	880 x 798 x 310	940 x 998 x 330	940 x 1420 x 330	940 x 1420 x 330	940 x 1420 x 330
Net Weight	Indoor Unit	kg	20.2	25.5	25.5	25.5	25.5
	Outdoor Unit	kg	50	75	100	100	100





Indoor Unit		AC052BN6PKG/EU	AC071BN6PKG/EU	AC100BN6PKG/EU	AC120BN6PKG/EU	AC140BN6PKG/EU
Outdoor Unit - Mono-Phase		AC052BXAPKG/EU	AC071BXAPKG/EU	AC100BXAPKG/EU	AC120BXAPKG/EU	AC140BXAPKG/EU
Outdoor Unit - Tri-Phase		-	AC071BXAPNG/EU	AC100BXAPNG/EU	AC120BXAPNG/EU	AC140BXAPNG/EU
<b>Refrigerant</b>						
Refrigerant	Type	R32 (contains fluorinated greenhouse gases. GWP = 675)				
	Factory Charging	kg	1.7/20 m	2.7/30 m	3.5/30 m	3.5/30 m
	Charging Ton equivalent CO <sub>2</sub>	tCO <sub>2</sub> e	1.15	1.82	2.36	2.36
	Additional Refrigerant Charging	g/m				
Piping Connections	Liquid Pipe	ø, inch	1/4	3/8	3/8	3/8
	Gas Pipe	ø, inch	1/2	5/8	5/8	5/8
Piping Length	Min/Max	m	5 / 50	5 / 55	5 / 85	5 / 85
Piping Height	Max	m	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)
<b>Others</b>						
Panel	Model Code		PC4NUNMAN PC4NBNMAN PC4NUDMAN PC4NBDMAN	PC4NUNMAN PC4NBNMAN PC4NUDMAN PC4NBDMAN	PC4NUNMAN PC4NBNMAN PC4NUDMAN PC4NBDMAN	PC4NUNMAN PC4NBNMAN PC4NUDMAN PC4NBDMAN
	Net Dimensions (W x H x D)	mm	ø1,050 x 94	ø1,050 x 94	ø1,050 x 94	ø1,050 x 94
	Net Weight	kg	2.7	2.7	2.7	2.7
Accessories	Drain Pump		Included	Included	Included	Included
	Max. Lifting Height/Displacement	mm / litres/h	750/24	750/24	750/24	750/24

#### Accessories

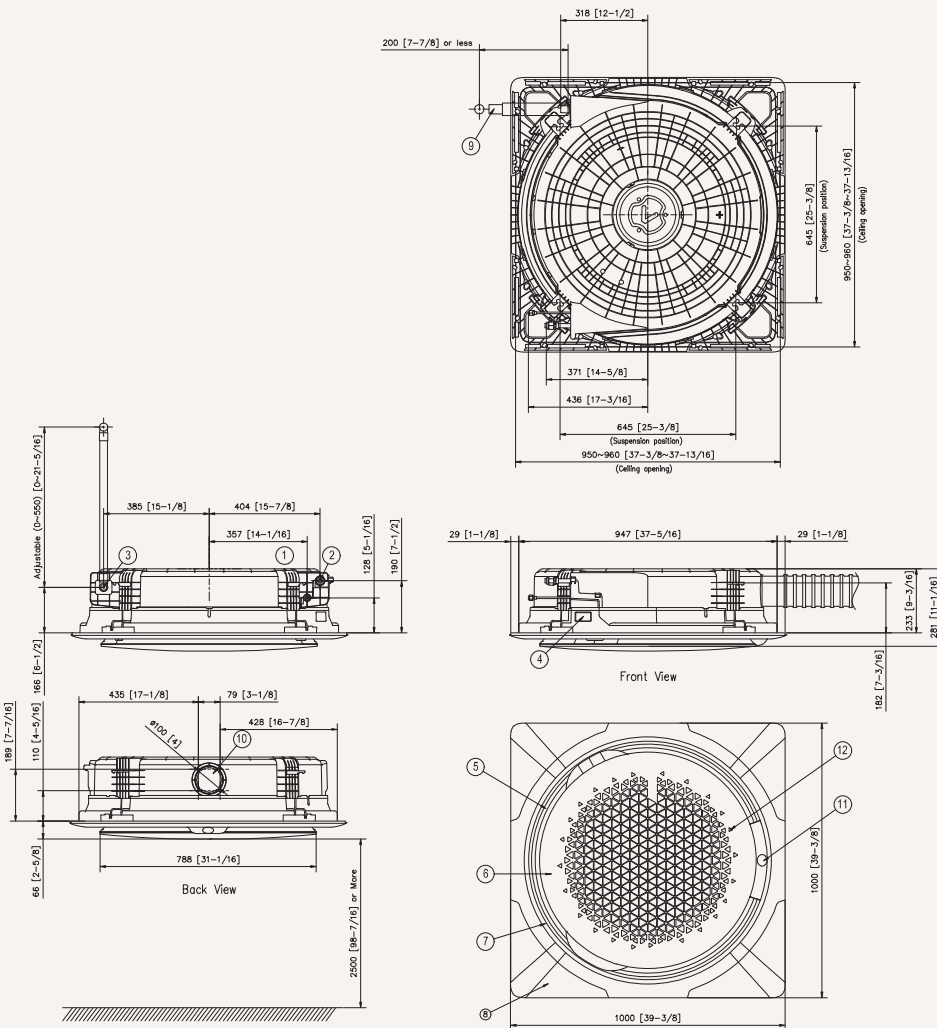
					
Wireless Remote Controller	Simple Type Controller	Touch Controller	Advanced Wired Controller	Touch Centralised Controller	DMS 2.5
AR-KH04E	MWR-SH00N	MWR-SH11N	MWR-WG00JN/MWR-WG00KN	MCM-A300N	MIM-D01AN
					
BACnet/Lonworks/PIM	ON/OFF Controller	Wi-Fi Kit	Single Wifi-Kit	External Thermostat	Motion Detect Sensor for PC4NUDMAN
MIM-B17BN/B18BN/B16N	MCM-A202DN	MIM-H04EN	MIM-H14EN	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+++.

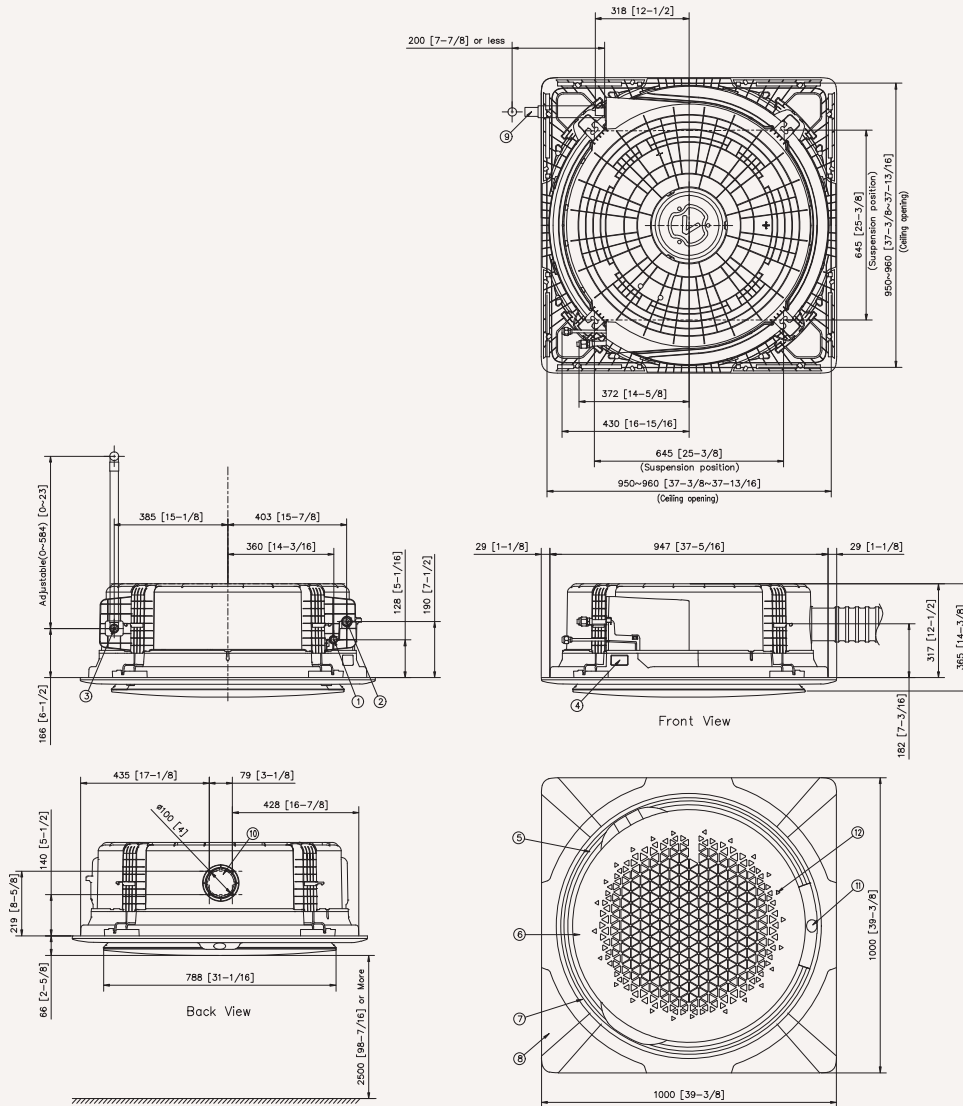
# Dimensional drawings

360 Cassette (square) HEE R32

AC052BN6PKG/EU



NO	Name	Description
1	Liquid pipe connection	Φ6.35(1/4)
2	Gas pipe connection	Φ12.7(1/2)
3	Drain pipe connection	VP-25(OD32, ID25)
4	Power supply/communication wiring conduits	
5	Air Discharge opening	
6	Air suction grille	
7	Suction rim for Booster fan	
8	Decoration cover	
9	Drain hose(Accessory)	
10	Fresh air intake knockout hole	Use M4 Screw
11	Display window	
12	Remote controller receiver	



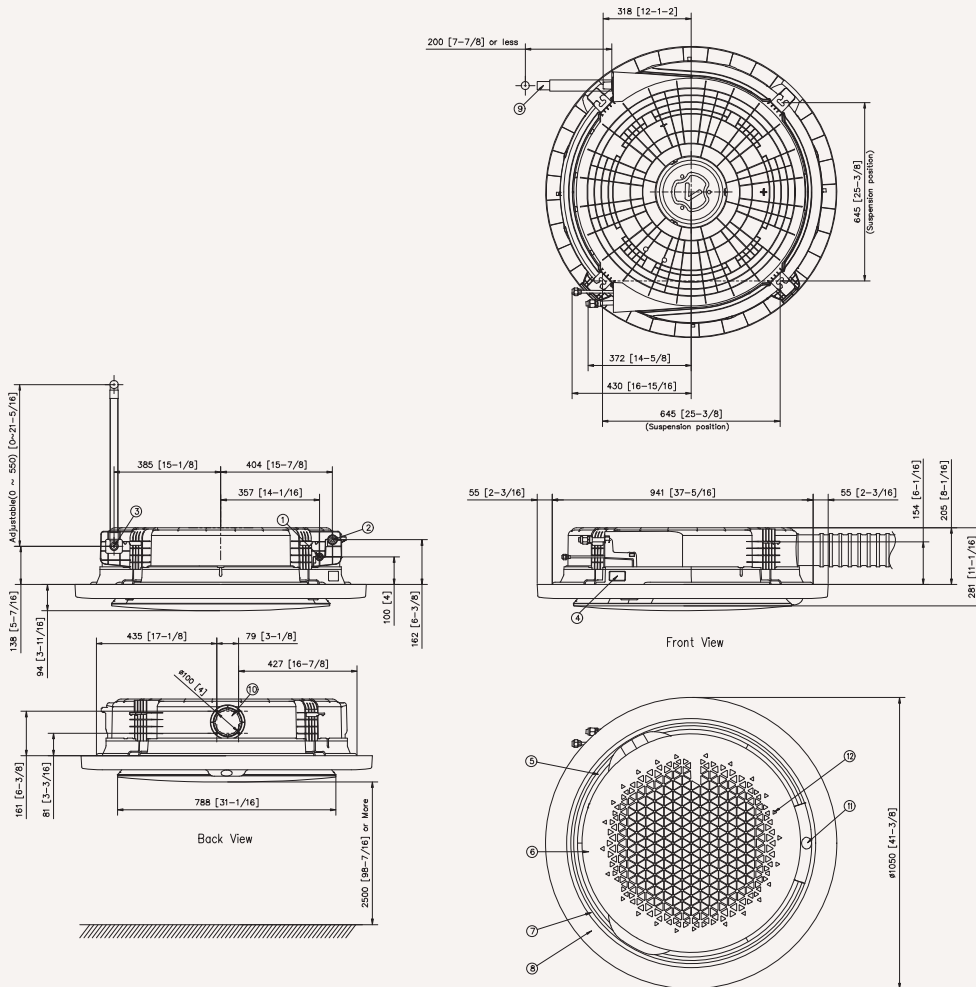
NO	Name	Description
1	Liquid pipe connection	Φ9.52(3/8)
2	Gas pipe connection	Φ15.88(5/8)
3	Drain pipe connection	VP-25(OD32, ID25)
4	Power supply/communication wiring conduits	
5	Air Discharge opening	
6	Air suction grille	
7	Suction rim for Booster fan	
8	Decoration cover	
9	Drain hose(Accessory)	
10	Fresh air intake knockout hole	Use M4 Screw
11	Display window	
12	Remote controller receiver	



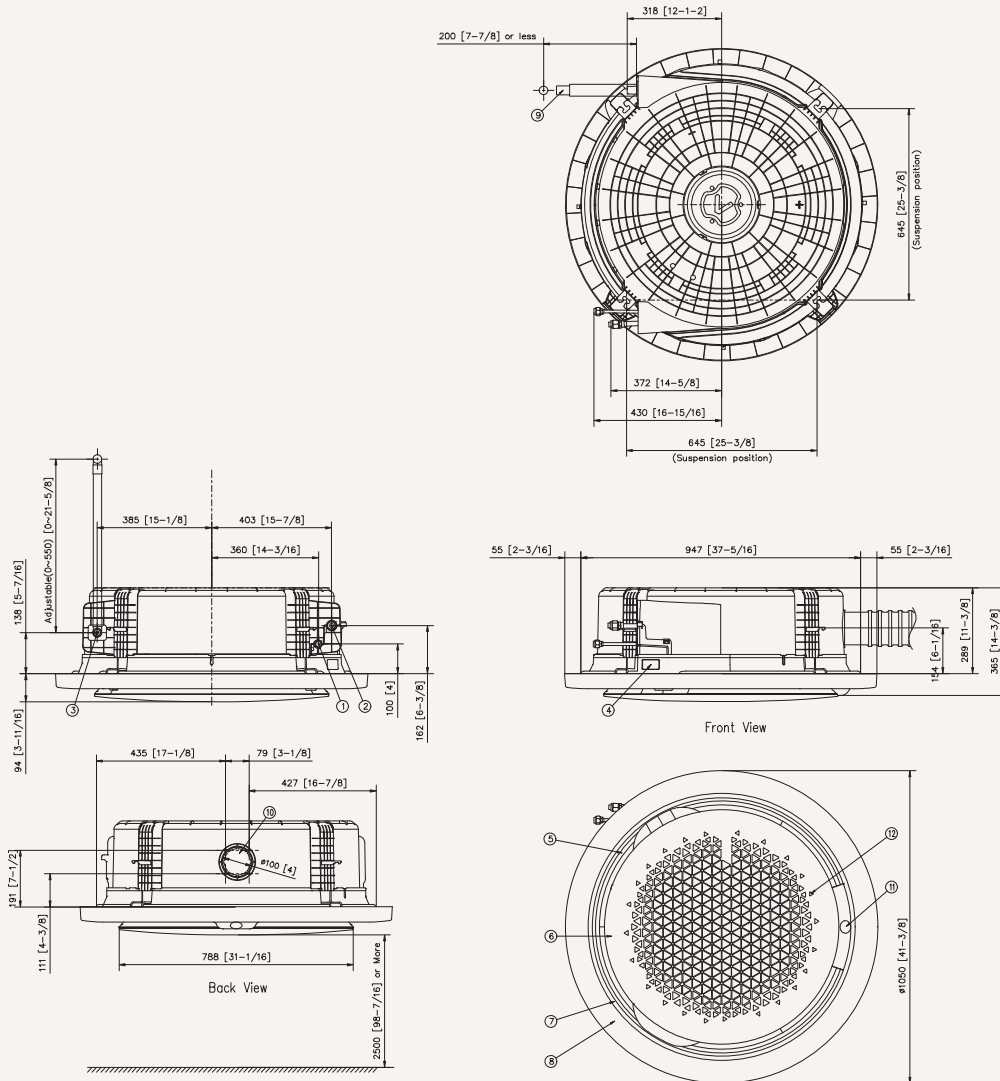
# Dimensional drawings

360 Cassette (circle) HEE R32

AC052BN6PKG/EU



NO	Name	Description
1	Liquid pipe connection	Φ6.35(1/4)
2	Gas pipe connection	Φ12.7(1/2)
3	Drain pipe connection	VP-25(OD32, ID25)
4	Power supply/communication wiring conduits	
5	Air Discharge opening	
6	Air suction grille	
7	Suction rim for Booster fan	
8	Decoration cover	
9	Drain hose(Accessory)	
10	Fresh air intake knockout hole	Use M4 Screw
11	Display window	
12	Remote controller receiver	



NO	Name	Description
1	Liquid pipe connection	Φ9.52(3/8)
2	Gas pipe connection	Φ15.88(5/8)
3	Drain pipe connection	VP-25(OD32, ID25)
4	Power supply/communication wiring conduits	
5	Air Discharge opening	
6	Air suction grille	
7	Suction rim for Booster fan	
8	Decoration cover	
9	Drain hose(Accessory)	
10	Fresh air intake knockout hole	Use M4 Screw
11	Display window	
12	Remote controller receiver	

# Specifications

## WindFree™ 4-Way 600 x 600 Cassette R32

- 2-Step Cooling: Fast Cooling & WindFree™ Cooling.
- Four-way air supply via independently adjustable blades.
- Blade angle between 32° and 75°; blade width 66 mm.

- Built-in humidity sensor.
- Built-in condensation drain pump (750 mmH<sub>2</sub>O).
- Optional motion detector sensor.
















Indoor Unit			AC026RNNDKG/EU	AC035RNNDKG/EU	AC052RNNDKG/EU	AC071RNNDKG/EU
Outdoor Unit - Mono-Phase			AC026RXADKG/EU	AC035RXADKG/EU	AC052RXADKG/EU	AC071RXADKG/EU
Outdoor Unit - Tri-Phase						
<b>Capacity</b>						
	Cooling (Min/Nominal/Max)	kW	0.87/2.60/4.10	0.88/3.50/4.50	1.30/5.00/6.20	1.50/6.80/8.30
	Heating @ +7 °C (Min/Nominal/Max)	kW	0.98/3.40/4.10	1.00/4.00/4.80	1.30/5.50/7.50	1.90/7.50/9.00
	Heating @ -5 °C	kW	3.3	3.9	5.4	7.4
	Heating @ -15 °C	kW	3.00	3.50	4.80	6.50
<b>Performance</b>						
Energy Efficiency Cooling	SEER <sup>1</sup>	W/W	7.1/ <span style="color: green;">A++</span>	7.0/ <span style="color: green;">A++</span>	6.7/ <span style="color: green;">A++</span>	6.1/ <span style="color: green;">A++</span>
	Power Consumption	kWh/a	128	175	261	390
	Pdesignc	kW	2.6	3.5	5.0	6.8
	EER	W/W	3.88	3.40	3.27	2.47
Energy Efficiency Heating	SCOP <sup>1</sup>	W/W	4.3/ <span style="color: green;">A+</span>	4.3/ <span style="color: green;">A+</span>	4.2/ <span style="color: green;">A+</span>	3.8/ <span style="color: yellow;">A</span>
	Power Consumption	kWh/a	684	684	800	1,474
	Pdesignh (average)	kW	2.1	2.1	2.4	4.0
	COP <sup>1</sup>	W/W	3.69	3.33	3.62	2.68
Airflow Rate	Indoor Unit (H/M/L)	m <sup>3</sup> /min	30.0	30.0	40.0	51.0
Sound Power	Indoor Unit	dB(A)	48	50	56	58
	Outdoor Unit	dB(A)	59	61	62	65
Sound Pressure	Indoor Unit (H/M/L)	dB(A)	31/28/25	34/30/25	39/34/29	42/39/36
	Outdoor Unit (H/L)	dB(A)	47/46	48/48	48/48	51/49
Fan/Outdoor Unit	Type		Turbo	Turbo	Turbo	Turbo
	Power	W	65	65	65	65
	Number of Fans	-	1	1	1	1
Operating Temperature Range	Cooling	°C	-15~46	-15~46	-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	-	-	-	-
Compressor Type	Outdoor Unit	Type	Single BLDC	Single BLDC	Twin BLDC	Twin BLDC
Power (Min/Nominal/Max)	Cooling	kW	0.16/0.67/1.20	0.18/1.03/1.40	0.31/1.53/2.10	0.35/2.75/3.60
	Heating	kW	0.20/0.92/1.45	0.19/1.20/1.80	0.35/1.52/2.40	0.35/2.80/3.95
Current Input	Cooling (Min/Std/Max)	A	1.3/3.5/5.5	1.4/5.0/6.0	2.6/7.0/9.5	2.0/12.0/16.0
	Heating (Min/Std/Max)	A	1.3/4.6/7.0	1.3/5.7/10.5	2.9/7.0/11.0	2.0/12.0/17.0
	Cooling - Tri-Phase (Min/Std/Max)	A	-	-	-	-
	Heating - Tri-Phase (Min/Std/Max)	A	-	-	-	-
<b>Dimensions</b>						
Net Dimensions (W x H x D)	Indoor Unit	mm	575 x 266 x 575	575 x 266 x 575	575 x 266 x 575	575 x 266 x 575
	Outdoor Unit	mm	790 x 548 x 285	790 x 548 x 285	880 x 638 x 310	880 x 798 x 310
Net Weight	Indoor Unit	kg	11.5	11.5	12.0	12.0
	Outdoor Unit	kg	32.5	32.5	43.0	51.0





Indoor Unit		AC026RNNDKG/EU	AC035RNNDKG/EU	AC052RNNDKG/EU	AC071RNNDKG/EU	
Outdoor Unit - Mono-Phase		AC026RXADKG/EU	AC035RXADKG/EU	AC052RXADKG/EU	AC071RXADKG/EU	
Outdoor Unit - Tri-Phase						
<b>Refrigerant</b>						
Refrigerant	Type	R32 (contains fluorinated greenhouse gases. GWP = 675)				
	Factory Charging	kg	0.9/20 m	0.9/20 m	1.2/10 m	1.7/15 m
	Charging Ton equivalent CO <sub>2</sub>	tCO <sub>2</sub> e	0.61	0.61	0.81	1.15
	Additional Refrigerant Charging	g/m	-	-	15	25
Piping Connections	Liquid Pipe	ø, inch	1/4	1/4	1/4	1/4
	Gas Pipe	ø, inch	3/8	3/8	1/2	5/8
Piping Length	Min/Max	m	3/20	3/20	3/30	3/50
Piping Height	Max	m	15	15	20	30
Piping Connections	Drain Pipe	ø, mm	ID 18	ID 18	ID 18	ID 18
<b>Others</b>						
Panel	Model Code		PC4SUFMAN	PC4SUFMAN	PC4SUFMAN	PC4SUFMAN
	Net Dimensions (W x H x D)	mm	620 x 46 x 620	620 x 46 x 620	620 x 46 x 620	620 x 46 x 620
	Net Weight	kg	2.7	2.7	2.7	2.7
Accessories	Drain Pump		Included	Included	Included	Included
	Max. Lifting Height/Displacement	mm / litres/h	750/24	750/24	750/24	750/24

#### Accessories

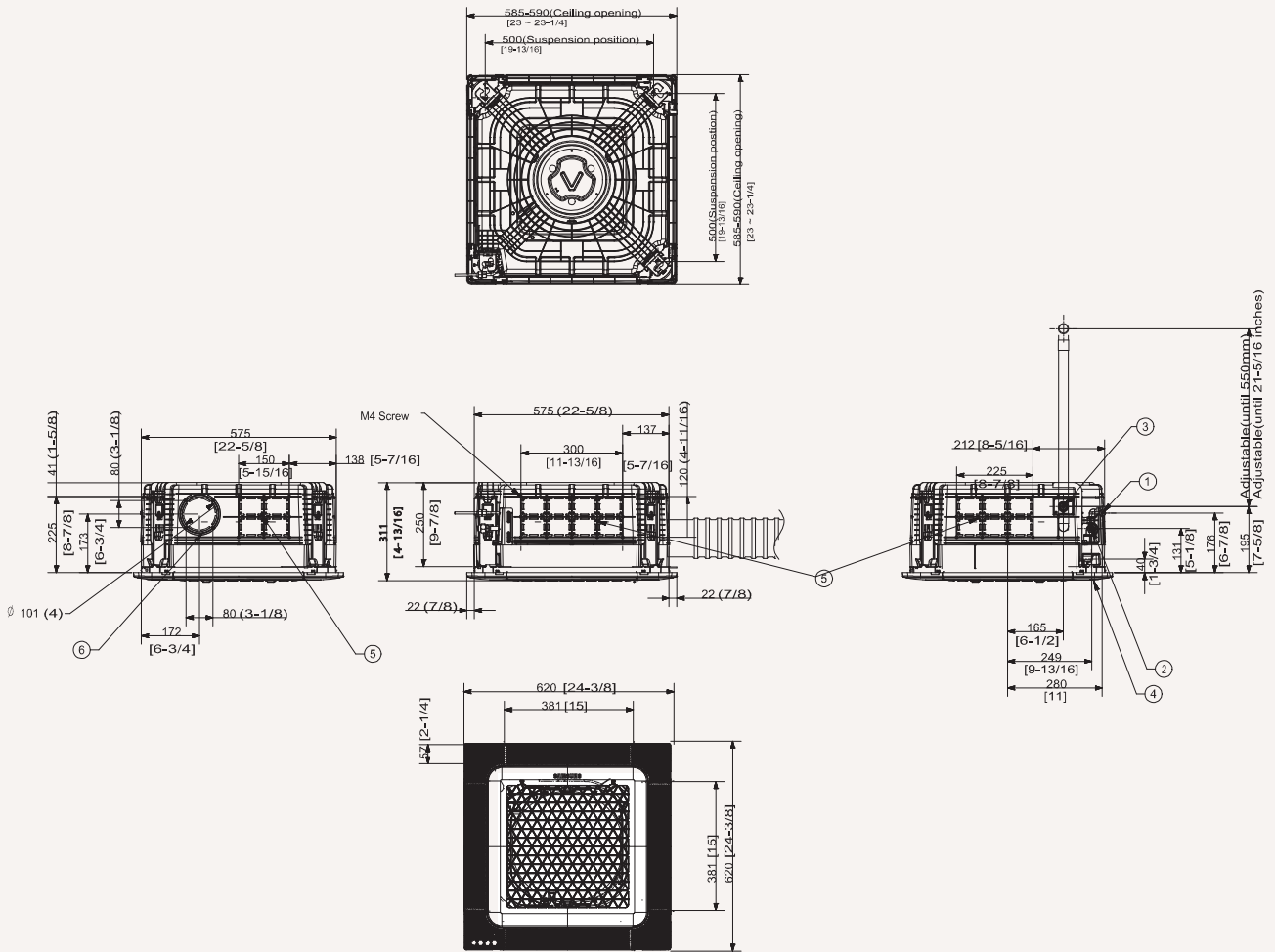
					
Wireless Remote Controller	Simple Type Controller	Touch Controller	Advanced Wired Controller	Touch Centralised Controller	DMS 2.5
AR-EH03E	MWR-SH00N	MWR-SH11N	MWR-WG00JN/MWR-WG00KN	MCM-A300N	MIM-D01AN
					
BACnet/Lonworks/PIM	ON/OFF Controller	Modbus Module	Wi-Fi Kit	External Thermostat	Motion Detect Sensor
MIM-B17BN/B18BN/B16N	MCM-A202DN	MIM-B19N	MIM-H04EN	MRW-TA	MCR-SMD
					
Panel (Mandatory)					
PC4SUFMAN					

<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

WindFree™ 4-Way 600 x 600 Cassette (R32)

AC026/035/052/060/071\*NNDK\*/EU







# Specifications

## WindFree™ 4-Way 600 x 600 Cassette HEE R32

- 2-Step Cooling: Fast Cooling & WindFree™ Cooling.
- Four-way air supply via independently adjustable blades.
- Blade angle between 32° and 75°; blade width 66 mm.
- Built-in humidity sensor.
- Built-in condensation drain pump (750 mmH<sub>2</sub>O).

- Operation range from -25°C until 52°C
- Single Wi-Fi kit (optional)
- 100% heating capacity at -15°C
- Base heater as standard
- Inverter PBA self-diagnosis
















Indoor Unit			AC026BNNPKG/EU	AC035BNNPKG/EU	AC052BNNPKG/EU
Outdoor Unit - Mono-Phase			AC026BXAPKG/EU	AC035BXAPKG/EU	AC052BXAPKG/EU
Outdoor Unit - Tri-Phase					
<b>Capacity</b>					
	Cooling (Min/Nominal/Max)	kW	1.10/2.60/4.40	1.10/3.50/5.30	1.30/5.00/6.80
	Heating @ +7 °C (Min/Nominal/Max)	kW	0.92/3.40/4.90	0.94/4.00/5.70	0.96/5.50/9.30
	Heating @ -5 °C	kW	4.25	5.0	6.49
	Heating @ -15 °C	kW	3.6	4.0	5.5
<b>Performance</b>					
Energy Efficiency Cooling	SEER <sup>1</sup>	W/W	7.1/ <span style="color: green;">A++</span>	7.2/ <span style="color: green;">A++</span>	7.0/ <span style="color: green;">A++</span>
	Power Consumption	kWh/a	128	170	250
	Pdesignc	kW	2.6	3.5	5
	EER	W/W	3.94	3.8	3.62
Energy Efficiency Heating	SCOP <sup>1</sup>	W/W	4.3/ <span style="color: green;">A+</span>	4.3/ <span style="color: green;">A+</span>	4.3/ <span style="color: green;">A+</span>
	Power Consumption	kWh/a	684	749	1320
	Pdesignh (average)	kW	2.1	2.3	4
	COP <sup>1</sup>	W/W	4.0	3.81	3.67
Airflow Rate	Indoor Unit (H/M/L)	m <sup>3</sup> /min	8.0 / 7.0 / 6.0	9.2 / 8.0 / 6.4	
Sound Power	Indoor Unit	dB(A)	48	50	56
	Outdoor Unit	dB(A)	59	61	62
Sound Pressure	Indoor Unit (H/M/L)	dB(A)	31/28/25	34/30/25	39/34/29
	Outdoor Unit (H/L)	dB(A)	47/46	46/46	48/48
Fan/Outdoor Unit	Type		BLDC	BLDC	BLDC
	Power	W	125	125	125
	Number of Fans	-	1	1	1
Operating Temperature Range	Cooling	°C	-20~52	-20~52	-20~52
	Heating	°C	-25.0~24.0	-25.0~24.0	-25.0~24.0
<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
	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
	Outdoor Unit Tri-Phase	Φ, #, V, Hz	-	-	-
Compressor Type	Outdoor Unit	Type	Twin BLDC Rotary	Twin BLDC Rotary	Twin BLDC Rotary
Power (Min/Nominal/Max)	Cooling	kW	0.23/0.66/1.45	0.23/0.92/2.00	0.26/1.38/2.40
	Heating	kW	0.19/0.85/2.55	0.20/1.05/2.70	0.23/1.50/3.40
Current Input	Cooling (Min/Std/Max)	A	1.5/3.2/6.4	1.5/4.3/8.9	1.7/6.3/10.5
	Heating (Min/Std/Max)	A	1.2/4.0/11.2	1.3/4.9/11.9	1.5/6.8/15.1
	Cooling - Tri-Phase (Min/Std/Max)	A	-	-	-
	Heating - Tri-Phase (Min/Std/Max)	A	-	-	-
<b>Dimensions</b>					
Net Dimensions (W x H x D)	Indoor Unit	mm	575 x 250 x 575	575 x 250 x 575	575 x 250 x 575
	Outdoor Unit	mm	880 x 638 x 310	880 x 638 x 310	880 x 798 x 310
Net Weight	Indoor Unit	kg	11.6	11.6	11.6
	Outdoor Unit	kg	43	43	50



Indoor Unit		AC026BNNPKG/EU	AC035BNNPKG/EU	AC052BNNPKG/EU
Outdoor Unit - Mono-Phase		AC026BXAPKG/EU	AC035BXAPKG/EU	AC052BXAPKG/EU
Outdoor Unit - Tri-Phase				
<b>Refrigerant</b>				
Refrigerant	Type	R32 (contains fluorinated greenhouse gases. GWP = 675)		
	Factory Charging	kg	1.2/20 m	1.2/20 m
	Charging Ton equivalent CO <sub>2</sub>	tCO <sub>2</sub> e	0.81	0.81
	Additional Refrigerant Charging	g/m	-	-
Piping Connections	Liquid Pipe	ø, inch	1/4	1/4
	Gas Pipe	ø, inch	3/8	3/8
Piping Length	Min/Max	m	5/30	5 / 50
Piping Height	Max	m	20	20
Piping Connections	Drain Pipe	ø, mm	VP 25 (OD32, ID25)	VP 25 (OD32, ID25)
<b>Others</b>				
Panel	Model Code		PC4SUFMAN	PC4SUFMAN
	Net Dimensions (W x H x D)	mm	620 x 46 x 620	620 x 46 x 620
	Net Weight	kg	2.7	2.7
Accessories	Drain Pump		Included	Included
	Max. Lifting Height/Displacement	mm / litres/h	750/24	750/24

#### Accessories

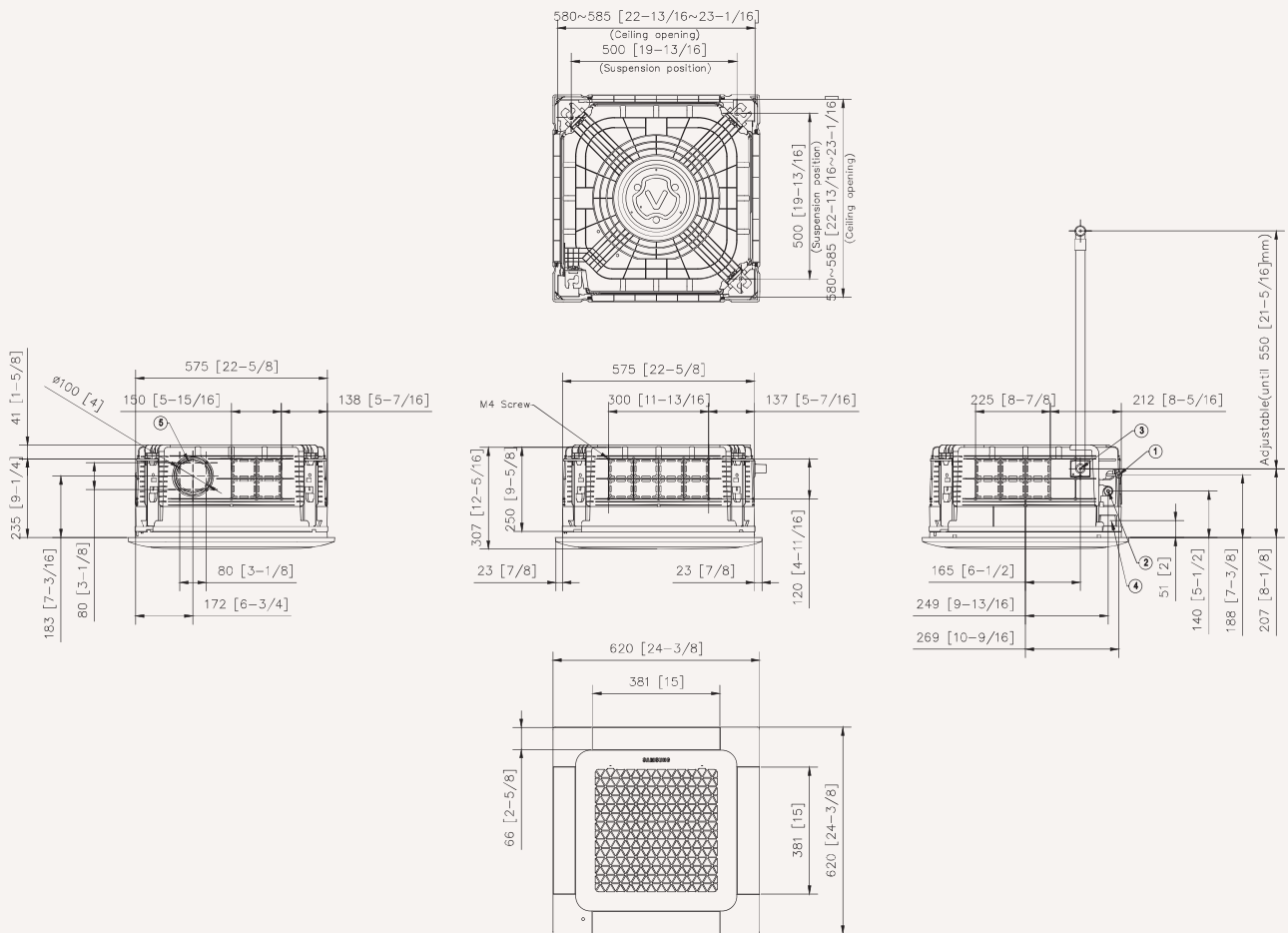
					
Wireless Remote Controller	Simple Type Controller	Touch Controller	Advanced Wired Controller	Touch Centralised Controller	DMS 2.5
AR-EH04E	MWR-SH00N	MWR-SH11N	MWR-WG00JN/MWR-WG00KN	MCM-A300N	MIM-D01AN
					
BACnet/Lonworks/PIM	ON/OFF Controller	Wi-Fi Kit	Single Wifi-Kit	External Thermostat	Motion Detect Sensor
MIM-B17BN/B18BN/B16N	MCM-A202DN	MIM-H04EN	MIM-H14EN	MRW-TA	MCR-SMD
					
Panel (Mandatory)					
PC4SUFMAN					

<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

WindFree™ 4-Way 600 x 600 Cassette HEE R32

AC026/035/052BNNPKG/EU







# 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 mmH<sub>2</sub>O).
- Optional auto elevation panel, optional PM1.0 panel and optional motion detect sensor available.


















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	
<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	1.90/8.00/9.00	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
<b>Performance</b>							
Energy Efficiency Cooling	SEER <sup>1</sup>	W/W	7.6/ <span style="color: green;">A++</span>	6.7/ <span style="color: green;">A++</span>	7.0/ <span style="color: green;">A++</span>	6.0/ <span style="color: green;">A+</span>	6.6/ <span style="color: green;">A++</span>
	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 <sup>1</sup>	W/W	4.3/ <span style="color: green;">A+</span>	4.2/ <span style="color: green;">A+</span>	4.3/ <span style="color: green;">A++</span>	4.0/ <span style="color: green;">A+</span>	4.3/ <span style="color: green;">A++</span>
	Power Consumption	kWh/a	847	1,500	1,726	-	-
	Pdesignh (average)	kW	2.60	4.50	5.30	-	-
	COP <sup>1</sup>	W/W	4.03	3.27	3.61	3.18	3.16
Airflow Rate	Indoor Unit (H/M/L)	m <sup>3</sup> /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
<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	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
<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	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



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

Refrigerant		R32 (contains fluorinated greenhouse gases. GWP = 675)					
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 <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
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

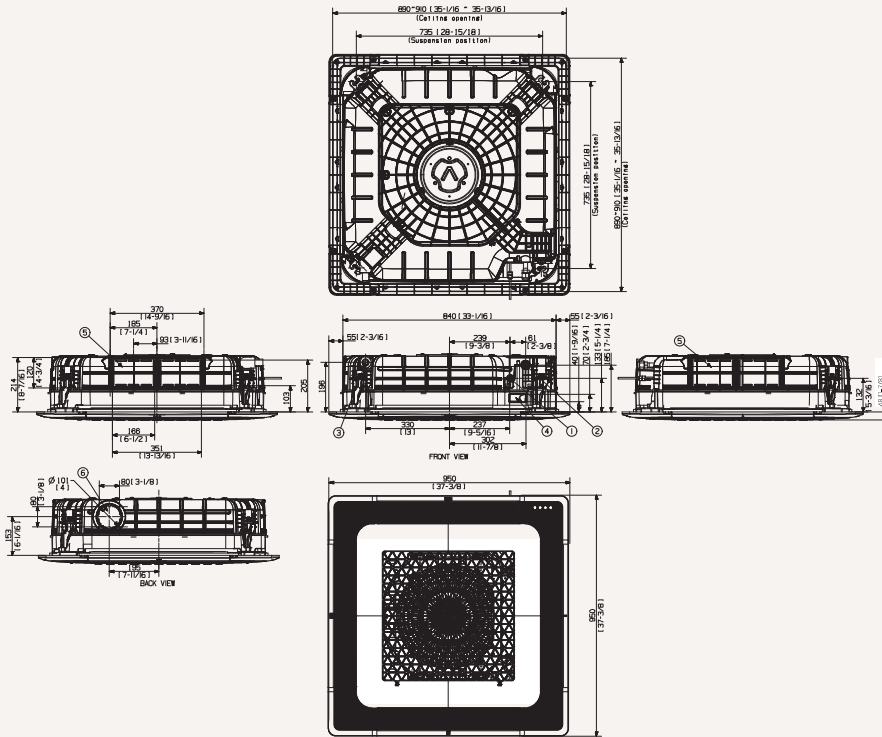
				
Wireless Remote Controller	Simple Type Controller	Touch Controller	Advanced Wired Controller	Touch Centralised Controller
AR-EH03E	MWR-SH00N	MWR-SH11N	MWR-WG00JN/MWR-WG00KN	MCM-A300N
				
DMS 2.5	BACnet/Lonworks/PIM	ON/OFF Controller	Modbus Module	Wi-Fi Kit
MIM-D01AN	MIM-B17BN/B18BN/B16N	MCM-A202DN	MIM-B19N	MIM-H04EN
				
Panel (Mandatory)	Air Purification Panel	Auto Elevation Panel	Motion Detect Sensor	External Thermostat
PC4NUFMAN	PC4NUCEAN	PC4NUXMAN	MCR-SMC	MRW-TA

<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

WindFree™ 4-Way Cassette (R32)

AC052/071\*N4DK\*/EU







# Specifications

## WindFree™ 4-Way Cassette HEE 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 mmH<sub>2</sub>O).

- Operation range from -25°C until 52°C
- Single Wi-Fi kit (optional)
- 100% heating capacity at -15°C
- Base heater as standard
- Inverter PBA self-diagnosis














Indoor Unit		AC052BN4PKG/EU	AC071BN4PKG/EU	AC100BN4PKG/EU	AC120BN4PKG/EU	AC140BN4PKG/EU	
Outdoor Unit - Mono-Phase		AC052BXAPKG/EU	AC071BXAPKG/EU	AC100BXAPKG/EU	AC120BXAPKG/EU	AC140BXAPKG/EU	
Outdoor Unit - Tri-Phase		-	AC071BXAPNG/EU	AC100BXAPNG/EU	AC120BXAPNG/EU	AC140BXAPNG/EU	
<b>Capacity</b>							
Cooling (Min/Nominal/Max)	kW	1.10 / 5.00 / 8.00	2.40 / 7.10 / 10.00	3.80 / 10.00 / 13.30	3.80 / 12.10 / 14.50	4.10 / 13.40 / 17.10	
Heating @ +7 °C (Min/Nominal/Max)	kW	1.10 / 6.00 / 9.50	2.20 / 8.00 / 13.0	2.80 / 11.20 / 20.00	2.80 / 13.20 / 22.50	2.80 / 15.50 / 22.80	
Heating @ -5 °C	kW						
Heating @ -15 °C	kW						
<b>Performance</b>							
Energy Efficiency Cooling	SEER <sup>1</sup>	W/W	8.5/ <span style="color: green;">A+++</span>	8.5/ <span style="color: green;">A+++</span>	8.0/ <span style="color: green;">A++</span>	8.0/ <span style="color: green;">A++</span>	8.0/ <span style="color: green;">A++</span>
	Power Consumption	kWh/a	206	292	438	-	-
	Pdesignc	kW	5.0	7.1	10	12.1	13.4
	EER	W/W	4.31	4.33	4.26	4.28	4.06
Energy Efficiency Heating	SCOP <sup>1</sup>	W/W	4.9/ <span style="color: green;">A++</span>	4.8/ <span style="color: green;">A++</span>	4.8/ <span style="color: green;">A++</span>	4.7/ <span style="color: green;">A+</span>	4.7/ <span style="color: green;">A+</span>
	Power Consumption	kWh/a	1171	1604	2479	-	-
	Pdesignh (average)	kW	4.1	5.5	8.5	9.5	9.5
	COP <sup>1</sup>	W/W	4.38	4.52	4.44	4.13	3.97
Airflow Rate	Indoor Unit (H/M/L)	m <sup>3</sup> /min	13.5 / 12.7 / 11.8	24.8 / 21.3 / 18.9	34.0 / 28.0 / 22.0	35.2 / 29.2 / 23.2	35.2 / 29.2 / 24.4
Sound Power	Indoor Unit	dB(A)	49	52	61	61	61
	Outdoor Unit	dB(A)	63	64	69	70	70
Sound Pressure	Indoor Unit (H/M/L)	dB(A)	33/31/29	35/32/29	44/39/33	45/40/35	45/41/37
	Outdoor Unit (H/L)	dB(A)	48/47	49/47	50/47	56/54	52/50
Fan/Outdoor Unit	Type		BLDC	BLDC	BLDC	BLDC	BLDC
	Power	W	125	125	125	125	125
	Number of Fans	-	1	1	2	2	2
Operating Temperature Range	Cooling	°C	-20-52	-20-52	-20-52	-20-52	-20-52
	Heating	°C	-25.0-24.0	-25.0-24.0	-25.0-24.0	-25.0-24.0	-25.0-24.0
<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	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	3Φ, 4, 380-415 V, 50 Hz
Compressor Type	Outdoor Unit	Type	Twin BLDC Rotary	Twin BLDC Rotary	Twin BLDC Rotary	Twin BLDC Rotary	Twin BLDC Rotary
Power (Min/Nominal/Max)	Cooling	kW	0.24 / 1.16 / 2.90	0.45 / 1.64 / 3.20	0.70 / 2.35 / 3.60	0.70 / 2.83 / 4.30	0.72 / 3.30 / 5.00
	Heating	kW	0.22 / 1.37 / 3.15	0.35 / 1.77 / 4.50	0.56 / 2.52 / 6.40	0.56 / 3.20 / 7.95	0.56 / 3.90 / 8.10
Current Input	Cooling (Min/Std/Max)	A	1.6 / 5.5 / 12.7	2.4 / 7.8 / 14.2	3.8 / 10.8 / 16.0	-	-
	Heating (Min/Std/Max)	A	1.5 / 6.3 / 14.0	2.5 / 8.4 / 19.8	2.9 / 11.4 / 27.9	-	-
	Cooling - Tri-Phase (Min/Std/Max)	A	-	1.0 / 2.9 / 5.2	1.4 / 4.1 / 5.8	1.4 / 4.9 / 6.7	1.7 / 5.2 / 7.9
	Heating - Tri-Phase (Min/Std/Max)	A	-	0.8 / 3.1 / 7.2	1.1 / 4.3 / 9.4	1.1 / 5.4 / 11.7	1.1 / 6.1 / 11.9
<b>Dimensions</b>							
Net Dimensions (W x H x D)	Indoor Unit	mm	840 x 204 x 840	840 x 288 x 840	840 x 288 x 840	840 x 288 x 840	840 x 288 x 840
	Outdoor Unit	mm	880 x 798 x 310	940 x 998 x 330	940 x 1420 x 330	940 x 1420 x 330	940 x 1420 x 330
Net Weight	Indoor Unit	kg	16	21.5	21.5	21.5	21.5
	Outdoor Unit	kg	50	75	100	100	100



Indoor Unit	AC052BN4PKG/EU	AC071BN4PKG/EU	AC100BN4PKG/EU	AC120BN4PKG/EU	AC140BN4PKG/EU
Outdoor Unit - Mono-Phase	AC052BXAPKG/EU	AC071BXAPKG/EU	AC100BXAPKG/EU	AC120BXAPKG/EU	AC140BXAPKG/EU
Outdoor Unit - Tri-Phase	-	AC071BXAPNG/EU	AC100BXAPNG/EU	AC120BXAPNG/EU	AC140BXAPNG/EU

Refrigerant		R32 (contains fluorinated greenhouse gases. GWP = 675)					
Refrigerant	Type	R32 (contains fluorinated greenhouse gases. GWP = 675)					
	Factory Charging	kg	1.7/20 m	2.7/30 m	3.5/30 m	3.5/30 m	3.5/30 m
	Charging Ton equivalent CO <sub>2</sub>	tCO <sub>2</sub> e	1.15	1.82	2.36	2.36	2.36
	Additional Refrigerant Charging	g/m					
Piping Connections	Liquid Pipe	ø, inch	1/4	3/8	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	5 / 50	5 / 55	5 / 85	5 / 85	5 / 85
Piping Height	Max	m	30	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

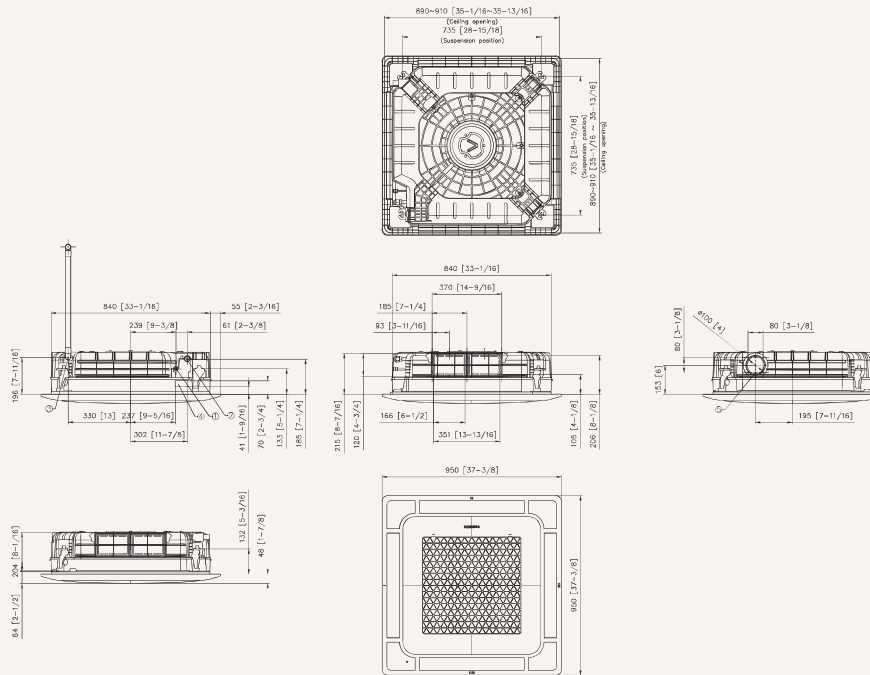
				
Wireless Remote Controller	Simple Type Controller	Touch Controller	Advanced Wired Controller	Touch Centralised Controller
AR-EH04E	MWR-SH00N	MWR-SH11N	MWR-WG00JN/MWR-WG00KN	MCM-A300N
				
DMS 2.5	BACnet/Lonworks/PIM	ON/OFF Controller	Wi-Fi Kit	Single Wifi-Kit
MIM-D01AN	MIM-B17BN/B18BN/B16N	MCM-A202DN	MIM-H04EN	MIM-H14EN
				
Panel (Mandatory)	Air Purification Panel	Auto Elevation Panel	Motion Detect Sensor	External Thermostat
PC4NUFMAN	PC4NUCEAN	PC4NUXMAN	MCR-SMC	MRW-TA

<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+++.

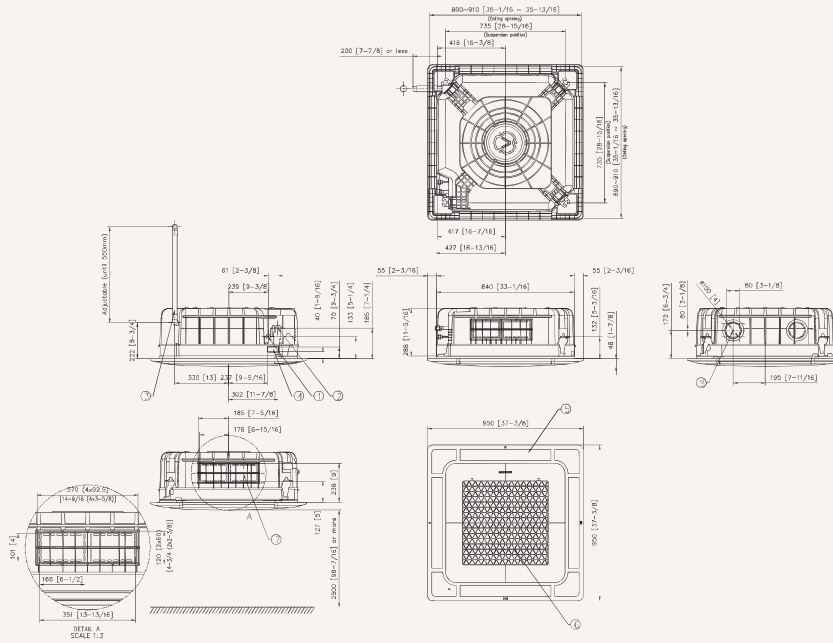
# Dimensional drawings

WindFree™ 4-Way Cassette HEE R32

AC052BN4PKG/EU



NO	Name	Description
1	Liquid pipe connection	Φ6.35(1/4)
2	Gas pipe connection	Φ12.7(1/2)
3	Drain pipe connection	VP-25(OD32, ID25)
4	Power supply/communication wiring conduits	
5	Sub duct connection	Use M4 Screw
6	Fresh air intake knockout hole	Φ10[4], Use M4 Screw



NO	Name	Description
1	Liquid pipe connection	Φ9.52(3/8)
2	Gas pipe connection	Φ15.88(5/8)
3	Drain pipe connection	VP-25(OD32, ID25)
4	Power supply/communication wiring conduits	
5	Air Outlet Louver	
6	Air Inlet Grille	
7	Sub - duct	* The sub duct is not applicabel to the Wind-free panel
8	Fresh air intake	Φ10[4], Use M4 Screw



# Specifications

## WindFree™ 1-Way Cassette R32

- 2-Step Cooling: Fast Cooling & WindFree™ Cooling.
- Blade angle between 37° and 87°, blade width 100 mm.
- Built-in humidity sensor.

- Height of only 135 mm.
- Built-in condensation drain pump (750 mmH<sub>2</sub>O).
- Optional PM1.0 panel available.














Indoor Unit			AC026RN1DKG/EU	AC035RN1DKG/EU
Outdoor Unit - Mono-Phase			AC026RXADKG/EU	AC035RXADKG/EU
Outdoor Unit - Tri-Phase				
<b>Capacity</b>				
	Cooling (Min/Nominal/Max)	kW	0.82/2.60/3.80	0.85/3.50/4.20
	Heating @ +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
<b>Performance</b>				
Energy Efficiency Cooling	SEER <sup>1</sup>	W/W	6.4/ <span style="color: green;">A++</span>	6.2/ <span style="color: green;">A++</span>
	Power Consumption	kWh/a	142	198
	Pdesignc	kW	2.60	3.50
	EER	W/W	3.61	3.21
Energy Efficiency Heating	SCOP <sup>1</sup>	W/W	4.0/ <span style="color: green;">A+</span>	4.0/ <span style="color: green;">A+</span>
	Power Consumption	kWh/a	700	700
	Pdesignh (average)	kW	2.0	2.0
	COP <sup>1</sup>	W/W	3.26	3.12
Airflow Rate	Indoor Unit (H/M/L)	m <sup>3</sup> /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 (H/M/L/Silent)	dB(A)	32/29/26/25	35/32/29/28
	Outdoor Unit (H/L)	dB(A)	47/46	48/48
Fan/Outdoor Unit	Type		Crossflow Fan	Crossflow Fan
	Power	W	27	27
	Number of Fans	-	1	1
Operating Temperature Range	Cooling	°C	-15-46	-15-46
	Heating	°C	-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
	Outdoor Unit Mono-Phase	Φ, #, V, Hz	1Φ, 2, 220-240 V, 50 Hz	1Φ, 2, 220-240 V, 50 Hz
	Outdoor Unit Tri-Phase	Φ, #, V, Hz		
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		
<b>Dimensions</b>				
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



Indoor Unit Outdoor Unit – Mono-Phase Outdoor Unit – Tri-Phase		AC026RN1DKG/EU AC026RXADKG/EU	AC035RN1DKG/EU AC035RXADKG/EU
<b>Refrigerant</b>			
Refrigerant	Type	R32 (contains fluorinated greenhouse gases. GWP = 675)	
	Factory Charging	kg	0.9/20 m
	Charging Ton equivalent CO <sub>2</sub>	tCO <sub>2</sub> e	0.61
	Additional Refrigerant Charging	g/m	-
Piping Connections	Liquid Pipe	ø, inch	1/4
	Gas Pipe	ø, inch	3/8
Piping Length	Min/Max	m	3/20
Piping Height	Max	m	15
Piping Connections	Drain Pipe	ø, mm	ID 18
<b>Others</b>			
Panel	Model Code	PC1NWFMAN	PC1NWFMAN
	Net Dimensions (W x H x D)	mm	1,198 x 35 x 500
	Net Weight	kg	4.3
Accessories	Drain Pump	Included	
	Max. Lifting Height/Displacement	mm / litres/h	750/24

Accessories

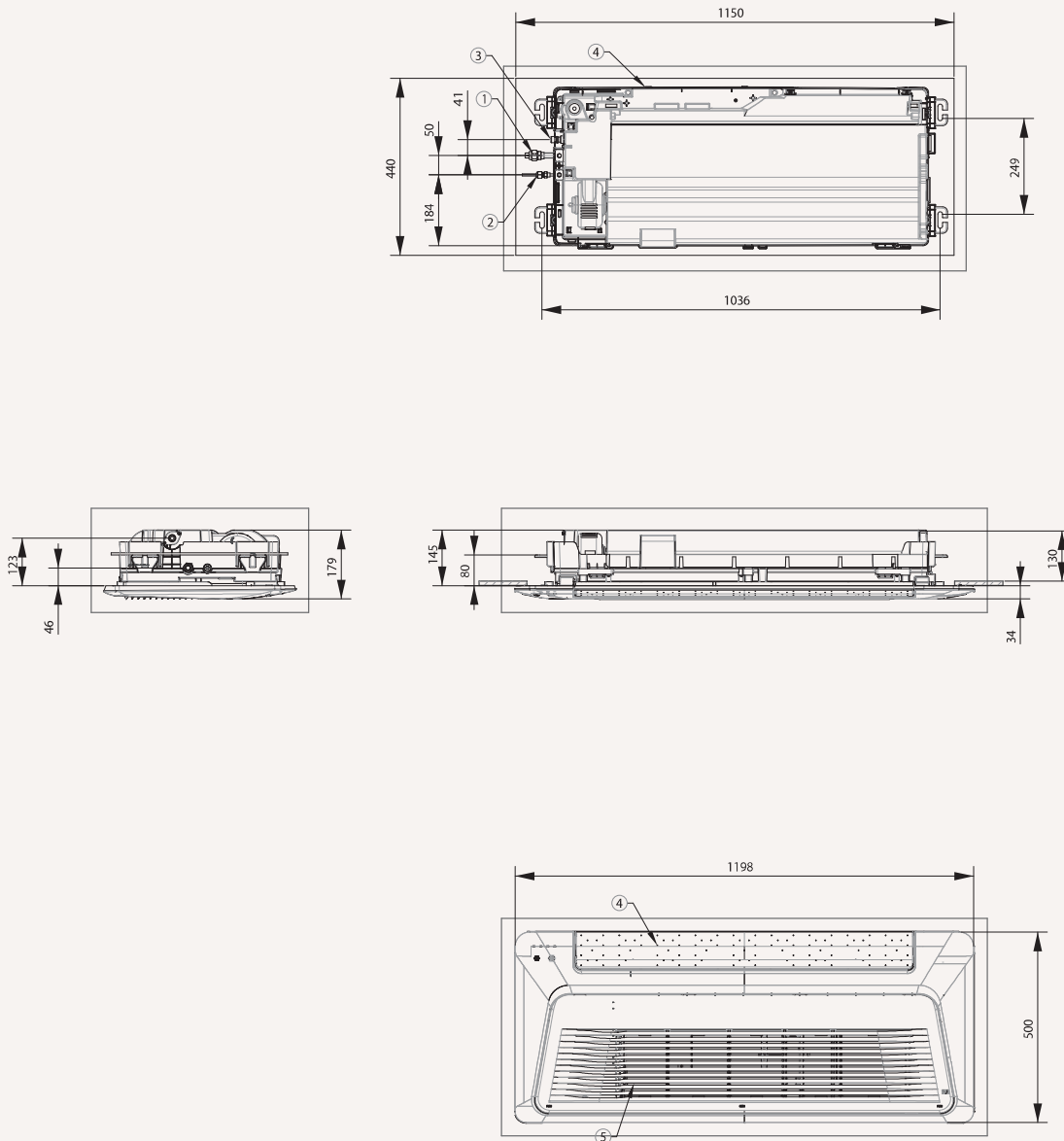
				
Wireless Remote Controller	Simple Type Controller	Touch Controller	Advanced Wired Controller	Touch Centralised Controller
AR-EH03E	MWR-SH00N	MWR-SH11N	MWR-WG00JN/MWR-WG00KN	MCM-A300N
				
DMS 2.5	BACnet/Lonworks/PIM	ON/OFF Controller	Wi-Fi Kit	External Thermostat
MIM-D01AN	MIM-B17BN/B18BN/B16N	MCM-A202DN	MIM-H04EN	MRW-TA
				
Panel (Mandatory)	Air Purification Panel			
PC1NWFMAN	PC1NWCMA			

<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

WindFree™ 1-Way Cassette (R32)

AC026/035MN1DKH/EU



NO	Name	Description
1	Liquid pipe connection	ø6.35 (1/4)
2	Gas pipe connection	ø9.52 (3/8)
3	Drain pipe connection	VP20 (OD 26, ID 20)
4	Power supply/communication wiring conduits	







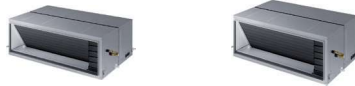
# Specifications

## HSP Duct (R410A)

- Built-in electronic expansion valve (EEV) for refrigerant flow control (2000-step).
- Long-life washable HD 40 permanent filter is included.
- Auto Restart function.
- Filter is not included.
- Condensation drain pump (optional).



Indoor Unit			AC200KNHPKH/EU	AC250KNHPKH/EU
Outdoor Unit - Mono-Phase			AC200KXAPNH/EU	AC250KXAPNH/EU
Outdoor Unit - Tri-Phase			AC200KXAPNH/EU	AC250KXAPNH/EU
<b>Capacity</b>				
	Cooling (Min/Nominal/Max)	kW	7.50/20.00/23.00	9.00/25.00/28.50
	Heating @ +7 °C (Min/Nominal/Max)	kW	8.50/23.00/25.00	10.00/27.00/32.00
	Heating @ -5 °C	kW	-	-
	Heating @ -15 °C	kW	-	-
<b>Performance</b>				
Energy Efficiency Cooling	SEER	W/W	5.2	5.0
	Power Consumption	kWh/a	-	-
	Pdesignc	kW	-	-
	EER	W/W	3.10	2.61
Energy Efficiency Heating	SCOP	W/W	3.5	3.4
	Power Consumption	kWh/a	-	-
	Pdesignh (average)	kW	-	-
	COP <sup>h</sup>	W/W	3.45	3.24
Airflow Rate	Indoor Unit (H/M/L)	m <sup>3</sup> /min	72.00/62.00/48.00	80.00/64.00/51.00
Sound Power	Indoor Unit	dB(A)	70	72
	Outdoor Unit	dB(A)	75	77
Sound Pressure	Indoor Unit (H/M/L)	dB(A)	44/40/36	47/42/37
	Outdoor Unit (H/L)	dB(A)	60/58	61/59
Fan/Outdoor Unit	Type		Sirocco	Sirocco
	Power	W	630	630
	Number of Fans	-	2	2
External Static Pressure	Min/Std/Max	Pa	49.03/72.00/196.13	49.03/72.00/196.13
Operating Temperature Range	Cooling	°C	-15~50	-15~50
	Heating	°C	-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
	Outdoor Unit Mono-Phase	Φ, #, V, Hz		
	Outdoor Unit Tri-Phase	Φ, #, V, Hz	3Φ, 4, 380-415 V, 50 Hz	3Φ, 4, 380-415 V, 50 Hz
Compressor Type	Outdoor Unit	Type	BLDC Scroll	BLDC Scroll
Power (Min/Nominal/Max)	Cooling	kW	2.10/6.45/8.00	2.60/9.58/12.00
	Heating	kW	2.10/6.66/9.80	2.50/8.33/13.50
Current Input	Cooling (Min/Std/Max)	A	-	-
	Heating (Min/Std/Max)	A	-	-
	Cooling - Tri-Phase (Min/Std/Max)	A	3.8/10.0/12.3	4.7/14.9/18.4
	Heating - Tri-Phase (Min/Std/Max)	A	3.8/10.3/16.0	4.5/12.9/22.0
<b>Dimensions</b>				
Net Dimensions (W x H x D)	Indoor Unit	mm	1,350 x 450 x 910	1,350 x 450 x 910
	Outdoor Unit	mm	940 x 1,630 x 460	940 x 1,630 x 460
Net Weight	Indoor Unit	kg	82.5	82.5
	Outdoor Unit	kg	154.0	154.0



Indoor Unit		AC200KNHPKH/EU	AC250KNHPKH/EU
Outdoor Unit - Mono-Phase		AC200KXAPNH/EU	AC250KXAPNH/EU
Outdoor Unit - Tri-Phase			
<b>Refrigerant</b>			
Refrigerant	Type	R410A (contains fluorinated greenhouse gases. GWP = 2,088)	
	Factory Charging	kg	6.60
	Charging Ton equivalent CO <sub>2</sub>	tCO <sub>2</sub> e	13.78
	Additional Refrigerant Charging	g/m	-
Piping Connections	Liquid Pipe	ø, inch	3/8
	Gas Pipe	ø, inch	7/8
Piping Length	Min/Max	m	75
Piping Height	Max	m	30
Piping Connections	Drain Pipe	ø, mm	VP25 (OD 32, ID 25)
<b>Others</b>			
Panel	Model Code		-
	Net Dimensions (W x H x D)	mm	-
	Net Weight	kg	-
Accessories	Drain Pump		DC
	Max. Lifting Height/ Displacement	mm / litres/h	750/24

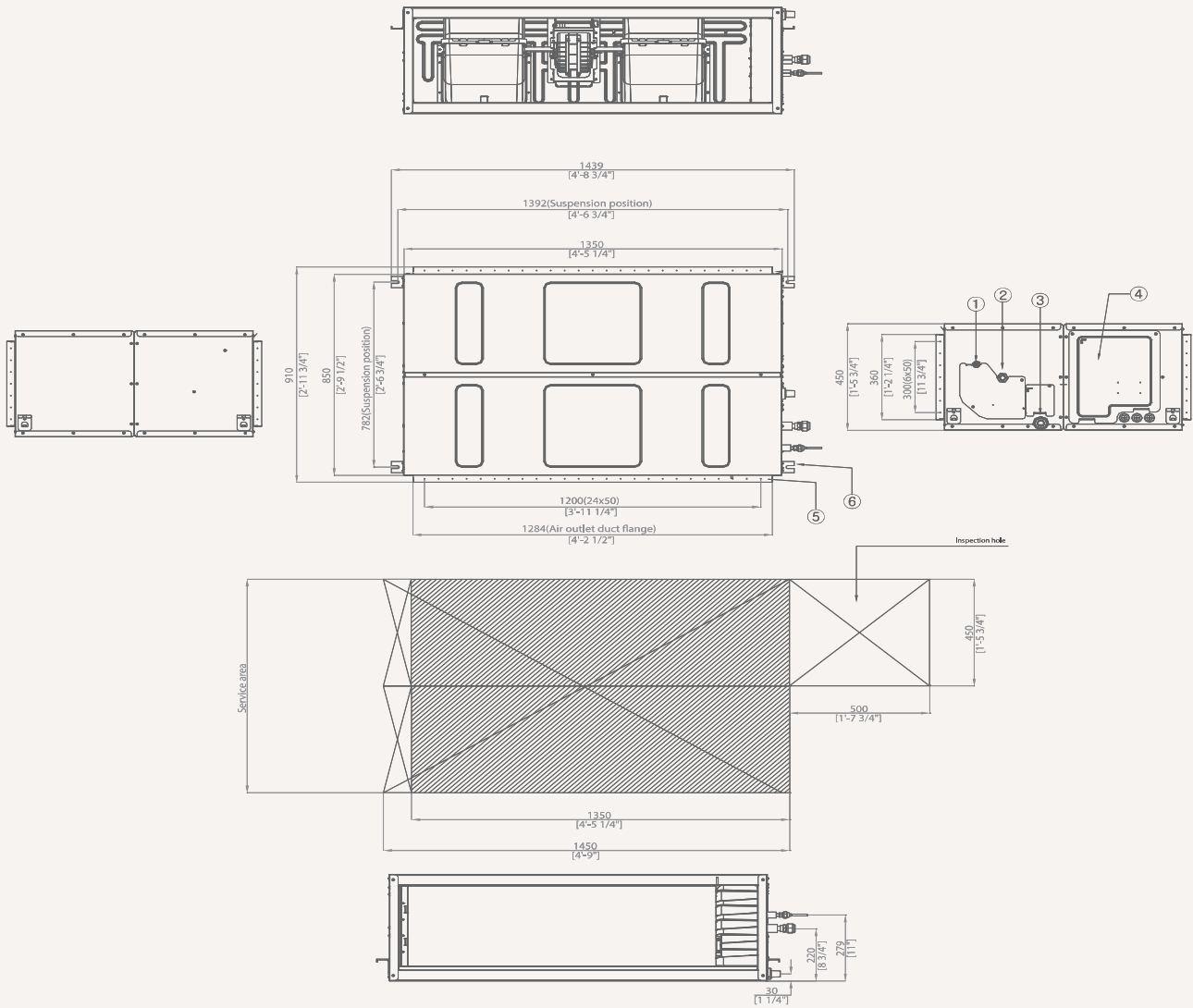
### Accessories

Drain Pump (optional)	Drain Pump (optional)	Wireless Remote Controller	Touch Controller
MDP-G0755P	MDP-G0755Q	AR-EH03E (to be matched with MRK-A10N)	MWR-SH11N
Advanced Wired Controller	Wi-Fi Kit	Wireless Receiver Kit	External Thermostat
MWR-WG00JN/ MWR-WG00KN	MIM-H04EN	MRK-A10N (to be matched with AR-EH03E)	MRW-TA
Touch Centralised Controller	DMS 2.5	BACnet/Lonworks/PIM	ON/OFF Controller
MCM-A300N	MIM-D01AN	MIM-B17BN/B18BN/B16N	MCM-A202DN

# Dimensional drawings

## HSP Duct (R410A)

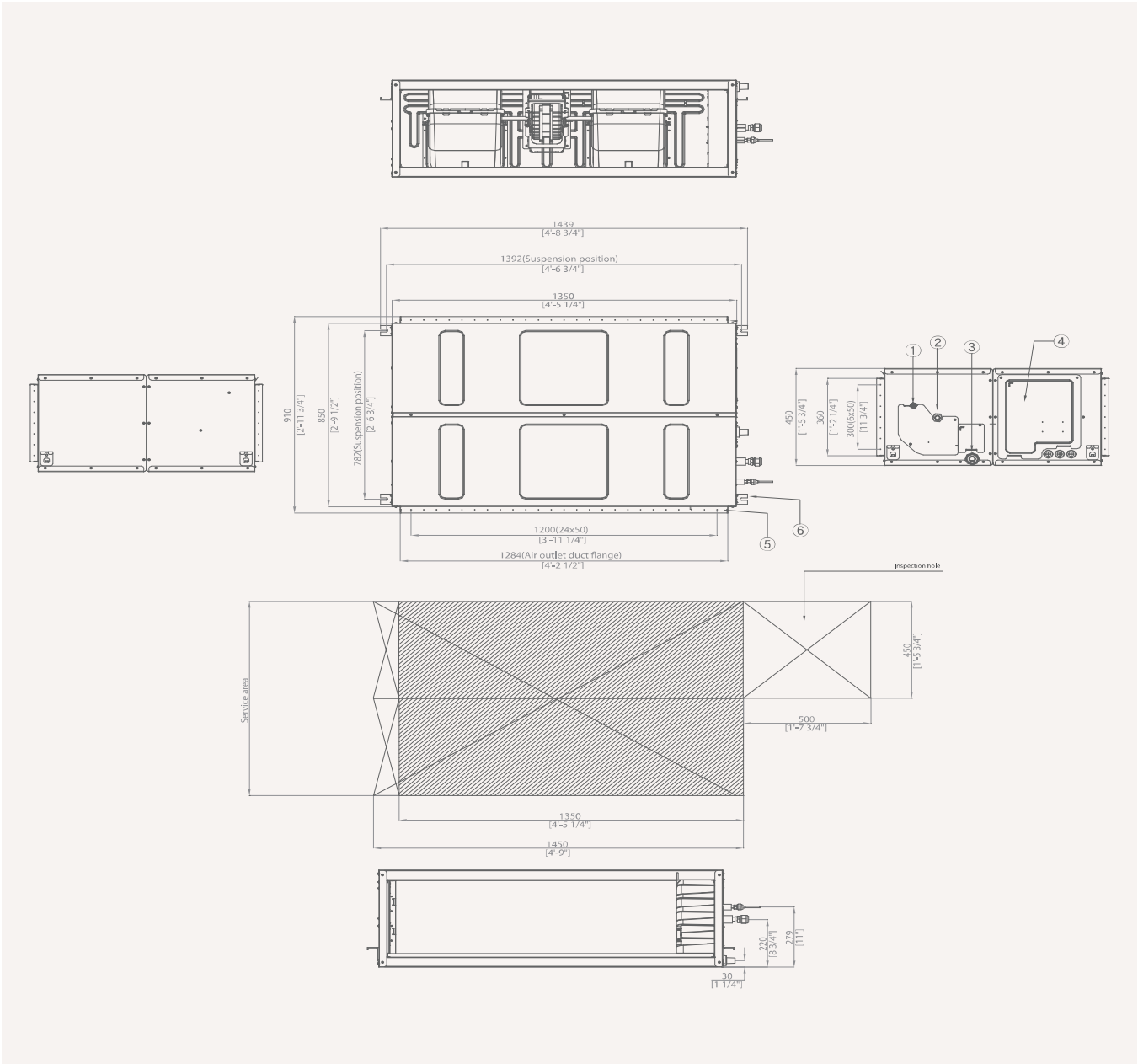
AC200KNHPKH/EU



NO	Name	Description
1	Liquid piping	ø9.52 (3/8)
2	Gas piping	ø19.05 (3/4)
3	Condensation drain piping	VP25 (OD 32, ID 25)
4	Power supply/communication wiring conduits	
5	Air supply	
6	Air tie rods	Use M8-M10 bolt (4x)

# HSP Duct (R410A)

AC250KNHPKH/EU



NO	Name	Description	
		AC200KNHPKH/EU	AC250KNHPKH/EU
1	Liquid piping		ø9.52 (3/8)
2	Gas piping	ø19.05 (3/4)	ø22.22 (7/8)
3	Condensation drain piping		VP25 (OD 32, ID 25)
4	Power supply/communication wiring conduits		
5	Air supply		
6	Air tie rods		



# Specifications

## MSP Duct R32

- External static pressure range from 0 to 147 Pa.
- Long-life washable permanent filter is included.
- Auto Restart function.
- Optional: Built-in condensation drain pump (750 mmH<sub>2</sub>O).



Indoor Unit			AC035RNMDKG/EU	AC052RNMDKG/EU	AC071RNMDKG/EU	AC100RNMDKG/EU	AC120RNMDKG/EU	AC140RNMDKG/EU
Outdoor Unit - Mono-Phase			AC035RXADKG/EU	AC052RXADKG/EU	AC071RXADKG/EU	AC100RXADKG/EU	AC120RXADKG/EU	AC140RXADKG/EU
Outdoor Unit - Tri-Phase						AC100RXADNG/EU	AC120RXADNG/EU	AC140RXADNG/EU
<b>Capacity</b>								
Capacity	Cooling (Min/Nominal/Max)	kW	0.80/3.50/4.40	1.20/5.00/6.50	1.50/6.80/8.70	3.00/10.00/12.00	3.00/12.00/13.50	3.50/13.40/15.50
	Heating @ +7 °C (Min/Nominal/Max)	kW	1.10/4.00/4.70	1.10/6.00/7.20	1.90/8.00/9.00	2.20/11.20/15.50	2.50/13.20/17.00	3.50/15.50/18.00
	Heating @ -5 °C	kW	3.90	5.90	7.80	11.00	12.90	15.20
	Heating @ -15 °C	kW	3.50	5.20	7.00	9.70	11.50	13.50
<b>Performance</b>								
Energy Efficiency Cooling	SEER <sup>1</sup>	W/W	6.2/ <span style="color: green;">A++</span>	6.3/ <span style="color: green;">A++</span>	6.1/ <span style="color: green;">A++</span>	5.9/ <span style="color: green;">A+</span>	5.8/ <span style="color: green;">A+</span>	6.0/ <span style="color: green;">A+</span>
	Power Consumption	kWh/a	198	278	390	593	724	-
	Pdesignc	kW	3.5	5.0	6.8	10.0	12	13.4
	EER	W/W	-	-	2.93	2.90	2.66	2.90
Energy Efficiency Heating	SCOP <sup>1</sup>	W/W	4.0/ <span style="color: green;">A+</span>	4.1/ <span style="color: green;">A+</span>	4.0/ <span style="color: green;">A+</span>	4.0/ <span style="color: green;">A+</span>	4.0/ <span style="color: green;">A+</span>	4.0/ <span style="color: green;">A+</span>
	Power Consumption	kWh/a	700	820	1,295	1,820	2,275	-
	Pdesignh (average)	kW	2.0	2.4	3.7	5.2	6.5	8.4
	COP <sup>1</sup>	W/W	TBC	TBC	3.20	3.20	3.42	3.34
Airflow Rate	Indoor Unit (H/M/L)	m <sup>3</sup> /min	10.4/9.2/8.0	14.5/12.0/9.5	17.0/14.0/11.0	28.0/25.0/22.0	33.0/28.0/23.0	33.0/28.0/23.0
Sound Power	Indoor Unit	dB(A)	52	55	56	58	62	62
	Outdoor Unit	dB(A)	61	62	65	69	70	69
Sound Pressure	Indoor Unit (H/M/L)	dB(A)	28/25/22	29/26/23	30/27/24	34/32/30	37/34/30	37/34/30
	Outdoor Unit (H/L)	dB(A)	48/48	48/48	51/49	54/52	56/54	54/53
Fan/Outdoor Unit	Type		Sirocco	Sirocco	Sirocco	Sirocco	Sirocco	Sirocco
	Power	W	153	153	153	153	153	153
	Number of Fans	-	2	2	2	3	3	3
External Static Pressure	Min/Std/Max	Pa	-	-	0.00/29.00/147.00	0.00/39.20/147.00	0.00/51.00/147.00	0.00/51.00/147.00
Operating Temperature Range	Cooling	°C	-15-46	-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	-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	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	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	Single BLDC	Twin BLDC	Twin BLDC	Twin BLDC	Twin BLDC	Twin BLDC
Power (Min/Nominal/Max)	Cooling	kW	0.20/1.02/1.36	0.35/1.60/2.20	0.35/2.32/3.60	0.60/3.44/4.70	0.90/4.50/5.30	0.80/4.62/6.45
	Heating	kW	0.24/1.15/1.80	0.26/1.64/2.70	0.35/2.50/3.95	0.46/3.50/5.40	0.90/4.50/5.30	0.80/4.62/6.45
Current Input	Cooling (Min/Std/Max)	A	1.4/5.0/6.2	2.1/7.2/10.0	2.0/10.4/16.0	3.0/15.2/20.4	5.0/19.7/24.0	3.7/20.0/28.0
	Heating (Min/Std/Max)	A	1.3/5.4/10.5	1.7/7.4/12.0	2.0/10.8/17.0	2.5/15.4/23.0	5.0/19.7/24.0	3.5/20.0/32.0
	Cooling - Tri-Phase (Min/Std/Max)	A	-	-	-	1.5/5.3/7.1	1.9/6.9/10.0	2.1/7.1/10.5
	Heating - Tri-Phase (Min/Std/Max)	A	-	-	-	1.5/5.3/7.1	1.5/5.9/12.0	1.9/7.0/12.0
<b>Dimensions</b>								
Net Dimensions (W x H x D)	Indoor Unit	mm	850 x 250 x 700	850 x 250 x 700	850 x 250 x 700	1,200 x 250 x 700	1,300 x 300 x 700	1,300 x 300 x 700
	Outdoor Unit	mm	790 x 548 x 285	880 x 638 x 310	880 x 798 x 310	940 x 998 x 350	940 x 998 x 350	940 x 1,210 x 350
Net Weight	Indoor Unit	kg	26.5	26.5	26.5	34.0	38.5	38.5
	Outdoor Unit	kg	32.5	43.0	51.0	75.0	81.0	91.5



Indoor Unit		AC035RNMDKG/EU	AC052RNMDKG/EU	AC071RNMDKG/EU	AC100RNMDKG/EU	AC120RNMDKG/EU	AC140RNMDKG/EU	
Outdoor Unit - Mono-Phase		AC035RXADKG/EU	AC052RXADKG/EU	AC071RXADKG/EU	AC100RXADKG/EU	AC120RXADKG/EU	AC140RXADKG/EU	
Outdoor Unit - Tri-Phase					AC100RXADNG/EU	AC120RXADNG/EU	AC140RXADNG/EU	
<b>Refrigerant</b>								
Refrigerant	Type	R32 (contains fluorinated greenhouse gases. GWP = 675)						
	Factory Charging	kg	0.9/20 m	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	0.61	0.81	1.15	1.82	1.82	1.96
	Additional Refrigerant Charging	g/m	-	-	25	50	50	50
Piping Connections	Liquid Pipe	ø, inch	1/4	1/4	1/4	3/8	3/8	3/8
	Gas Pipe	ø, inch	3/8	1/2	5/8	5/8	5/8	5/8
Piping Length	Min/Max	m	3/20	3/30	3/50	50	50	75
Piping Height	Max	m	15	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)	VP25 (OD 32, ID 25)
<b>Others</b>								
Panel	Model Code		-	-	-	-	-	-
	Net Dimensions (W x H x D)	mm	-	-	-	-	-	-
	Net Weight	kg	-	-	-	-	-	-
Accessories	Drain Pump		MDP-G075SP MDP-G075SQ	MDP-G075SP MDP-G075SQ	MDP-G075SP MDP-G075SQ	MDP-G075SP MDP-G075SQ	MDP-G075SP MDP-G075SQ	MDP-G075SP MDP-G075SQ
	Max. Lifting Height/ Displacement	mm / litres/h	750/24	750/24	750/24	750/24	750/24	750/24

### Accessories

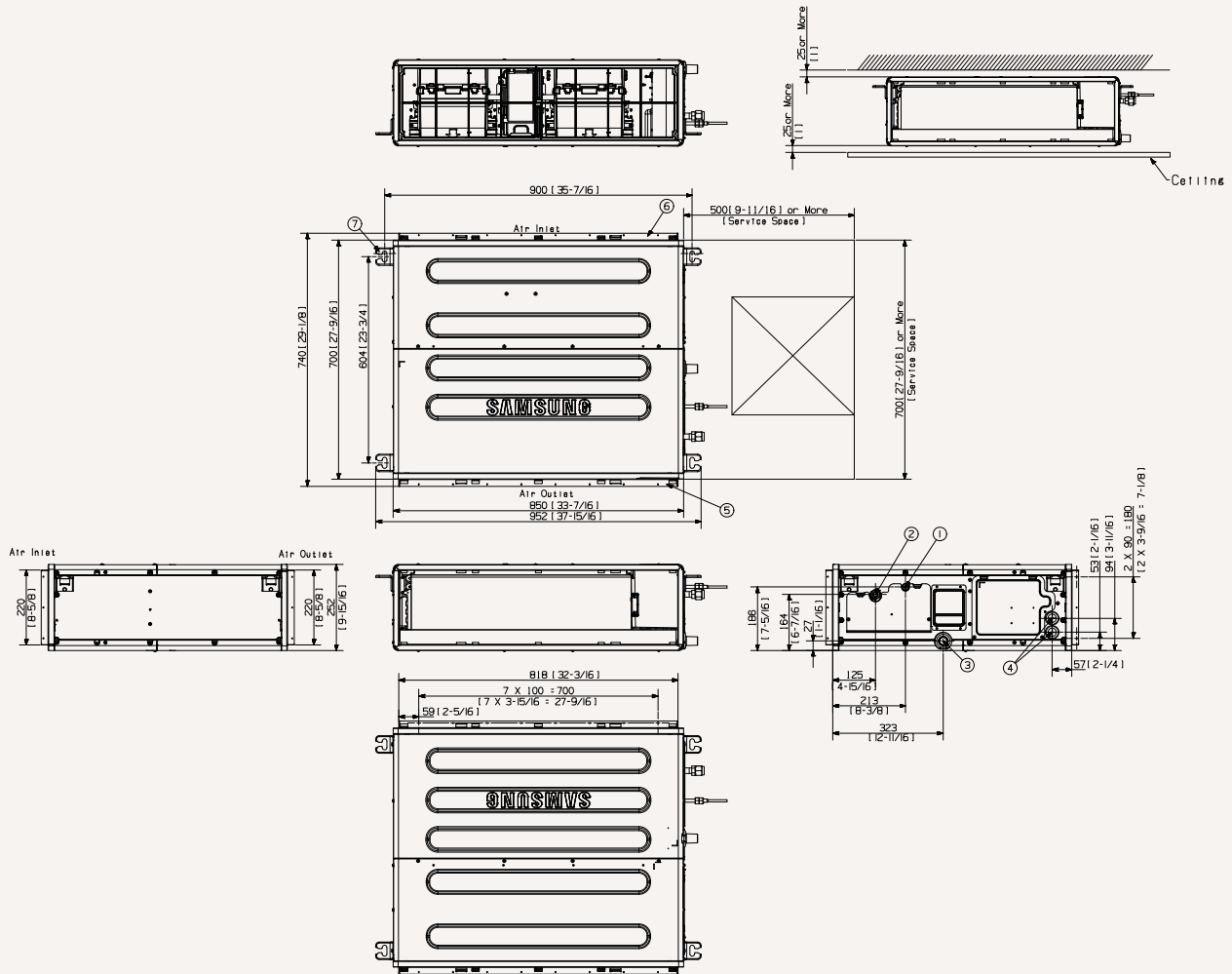
Drain Pump (optional)	Drain Pump (optional)	Wireless Remote Controller	Touch Controller
MDP-G075SP	MDP-G075SQ	AR-EH03E (to be matched with MRK-A10N)	MWR-SH11N
Advanced Wired Controller	Wi-Fi Kit	Wireless Receiver Kit	External Thermostat
MWR-WG00JN/ MWR-WG00KN	MIM-H04EN	MRK-A10N (to be matched with AR-EH03E)	MRW-TA
Touch Centralised Controller	DMS 2.5	BACnet/Lonworks/PIM	ON/OFF Controller
MCM-A300N	MIM-D01AN	MIM-B17BN/B18BN/B16N	MCM-A202DN

<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

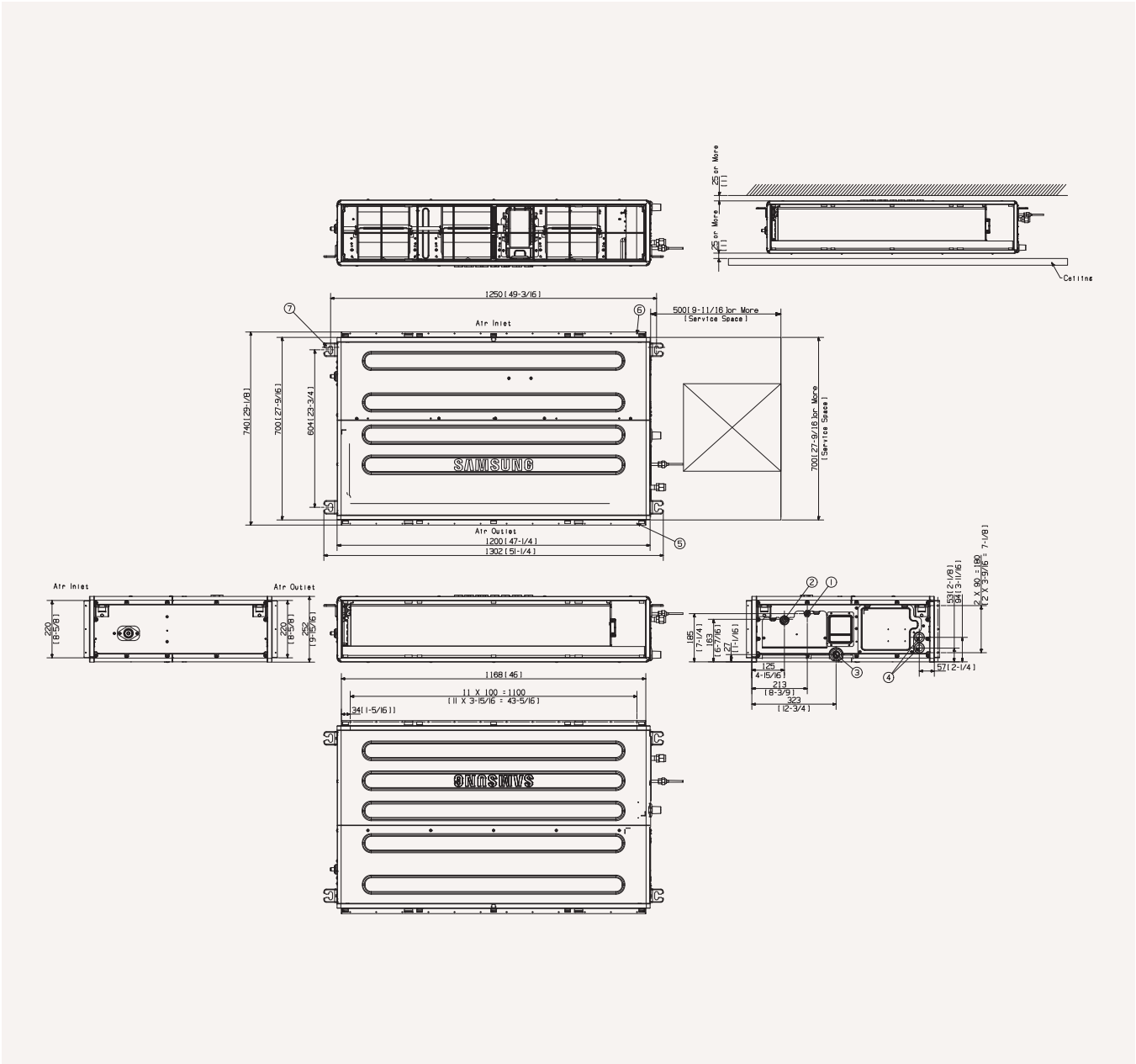
MSP Duct R32

AC035/052/060/071\*NMDK\*/EU



NO	Name	Description
		AC035*NMDK*/EU      AC052*NMDK*/EU      AC060*NMDK*/EU AC071*NMDK*/EU
1	Liquid piping	ø6.35 (1/4)
2	Gas piping	ø9.52 (3/8)      ø12.70 (1/2)      ø15.88 (5/8)
3	Condensation drain piping	VP25 (OD 32, ID 25)
4	Power supply/communication wiring conduits	-
5	Air intake	-
6	Air supply	-
7	Air tie rods	Use M8-M10 bolt (4x)

AC100\*NMDK\*/EU



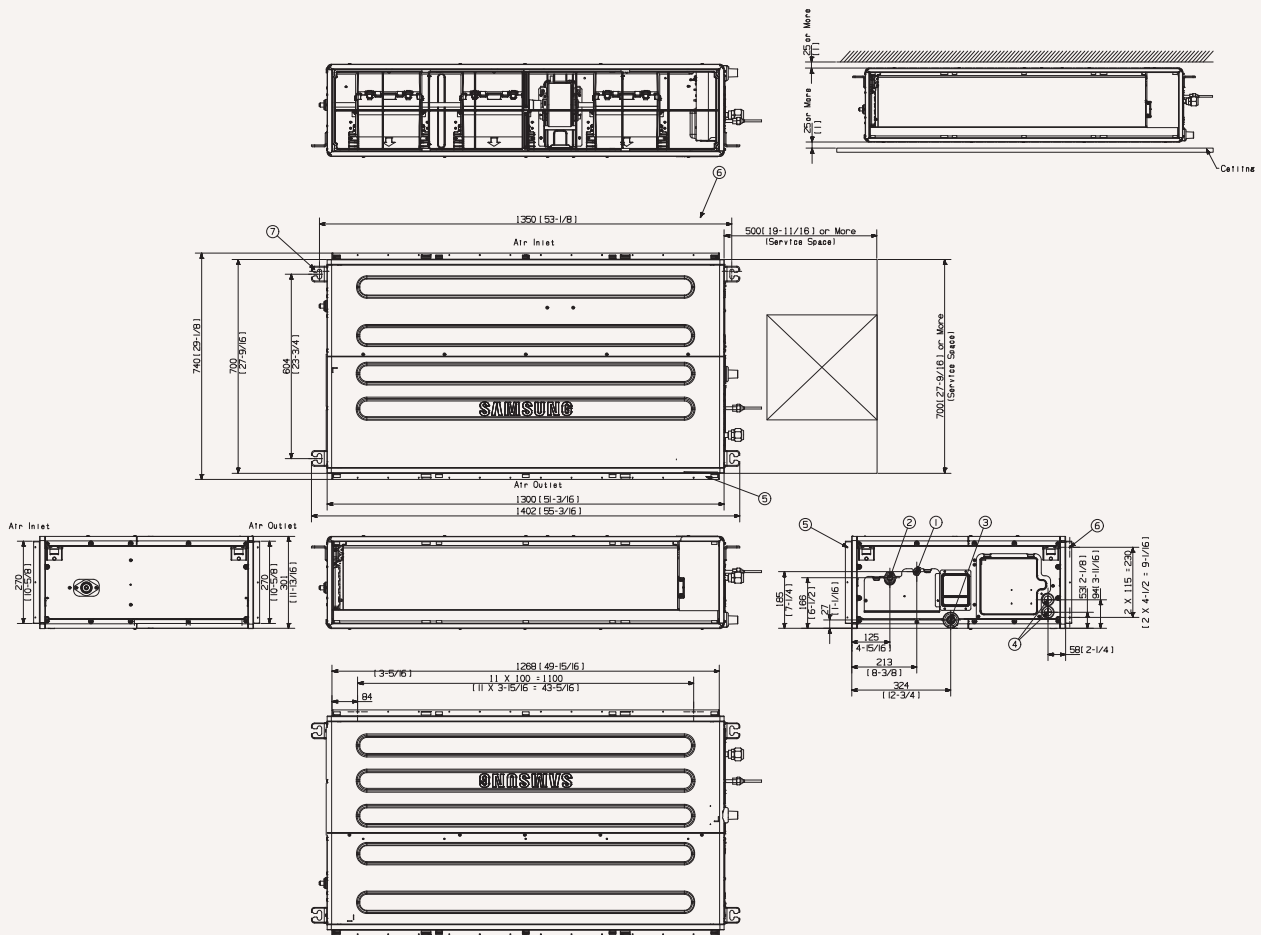
NO	Name	Description
1	Liquid piping	ø9.52 (3/8)
2	Gas piping	ø15.88 (5/8)
3	Condensation drain piping	VP25 (OD 32, ID 25)
4	Power supply/communication wiring conduits	
5	Air intake	
6	Air supply	
7	Air tie rods	Use M8-M10 bolt (4x)



# Dimensional drawings

MSP Duct R32

AC120/140\*NMDK\*/EU\*



NO	Name	Description
1	Liquid piping	ø9.52 (3/8)
2	Gas piping	ø15.88 (5/8)
3	Condensation drain piping	VP25 (OD 32, ID 25)
4	Power supply/communication wiring conduits	
5	Air intake	
6	Air supply	
7	Air tie rods	Use M8-M10 bolt (4x)



# Specifications

## MSP Duct HEE R32

- Smart pressure control with a range from 0 to 150Pa.
- Long-life washable permanent filter is included.
- Auto Restart function.
- Optional: Built-in condensation drain pump (750 mmH<sub>2</sub>O).

- Operation range from -25°C until 52°C
- 100% heating capacity at -15°C
- Base heater as standard
- Inverter PBA self-diagnosis



Indoor Unit		AC035BNMPKG/EU	AC052BNMPKG/EU	AC071BNMPKG/EU	AC100BNMPKG/EU	AC120BNMPKG/EU	AC140BNMPKG/EU	
Outdoor Unit-Mono-Phase		AC035BXAPKG/EU	AC052BXAPKG/EU	AC071BXAPKG/EU	AC100BXAPKG/EU	AC120BXAPKG/EU	AC140BXAPKG/EU	
Outdoor Unit-Tri-Phase		-	-	AC071BXAPNG/EU	AC100BXAPNG/EU	AC120BXAPNG/EU	AC140BXAPNG/EU	
<b>Capacity</b>								
Capacity	Cooling (Min/Nominal/Max)	kW	0.80/3.50/5.30	1.20/5.00/7.50	2.20/6.80/9.50	4.00/10.00/12.80	4.10/12.10/14.00	4.10/13.40/16.00
	Heating @ +7 °C (Min/Nominal/Max)	kW	0.78/4.00/5.70	1.10/6.00/9.50	1.90/8.00/10.50	3.10/11.20/17.30	3.10/13.20/22.00	3.10/15.50/24.00
	Heating @ -5 °C	kW						
	Heating @ -15 °C	kW						
<b>Performance</b>								
Energy Efficiency Cooling	SEER <sup>1</sup>	W/W	7.0/ <span style="color: green;">A++</span>	7.0/ <span style="color: green;">A++</span>	7.3/ <span style="color: green;">A++</span>	7.6/ <span style="color: green;">A+</span>	7.4/ <span style="color: green;">A+</span>	7.1/ <span style="color: green;">A+</span>
	Power Consumption	kWh/a	175	206	326	-	-	-
	Pdesignc	kW	3.5	5.0	6.8	10.0	12.1	13.4
	EER	W/W	3.72	3.73	4.02	4.07	3.72	3.48
Energy Efficiency Heating	SCOP <sup>1</sup>	W/W	4.3/ <span style="color: green;">A+</span>	4.6/ <span style="color: green;">A++</span>	4.3/ <span style="color: green;">A+</span>	4.4/ <span style="color: green;">A+</span>	4.0/ <span style="color: green;">A+</span>	4.0/ <span style="color: green;">A+</span>
	Power Consumption	kWh/a	749	1171	11530	-	-	-
	Pdesignh (average)	kW	2.3	4.1	4.7	7.8	9.5	9.5
	COP <sup>1</sup>	W/W	3.64	3.85	3.79	4.07	4.0	3.63
Airflow Rate	Indoor Unit (H/M/L)	m <sup>3</sup> /min	10.4/9.2/8.0	15.5/12.0/9.5	20.0/16.0/12.0	30.6/26.2/21.8	33.2/27.2/21.2	33.2/27.2/21.2
Sound Power	Indoor Unit	dB(A)	52	49	56	58	62	62
	Outdoor Unit	dB(A)	61	63	64	66	70	69
Sound Pressure	Indoor Unit (H/M/L)	dB(A)	28/25/22	29/26/23	30/27/24	34/32/30	37/34/30	37/34/30
	Outdoor Unit (H/L)	dB(A)	46/46	48/46	49/47	50/47	56/54	54/53
Fan/Outdoor Unit	Type		BLDC	BLDC	BLDC	BLDC	BLDC	BLDC
	Power	W	125	125	125	125	125	125
	Number of Fans	-	1	1	1	2	2	2
External Static Pressure	Min/Std/Max	Pa	0.00/25.00/147.00	0.00/30.00/147.00	0.00/30.00/147.00	0.00/39.20/147.00	0.00/51.00/147.00	0.00/51.00/147.00
Operating Temperature Range	Cooling	°C	-20-52	-20-52	-20-52	-20-52	-20-52	-20-52
	Heating	°C	-25.0-24.0	-25.0-24.0	-25.0-24.0	-25.0-24.0	-25.0-24.0	-25.0-24.0
<b>Electrical Data</b>								
Power Source	Indoor Unit	Φ, #, V, Hz	1Φ, 2, 220-240V, 50Hz	1Φ, 2, 220-240V, 50Hz	1Φ, 2, 220-240V, 50Hz	1Φ, 2, 220-240V, 50Hz	1Φ, 2, 220-240V, 50Hz	1Φ, 2, 220-240V, 50Hz
	Outdoor Unit Mono-Phase	Φ, #, V, Hz	1Φ, 2, 220-240V, 50Hz	1Φ, 2, 220-240V, 50Hz	1Φ, 2, 220-240V, 50Hz	1Φ, 2, 220-240V, 50Hz	1Φ, 2, 220-240V, 50Hz	1Φ, 2, 220-240V, 50Hz
	Outdoor Unit Tri-Phase	Φ, #, V, Hz	-	-	3Φ, 4, 380-415V, 50Hz	3Φ, 4, 380-415V, 50Hz	3Φ, 4, 380-415V, 50Hz	3Φ, 4, 380-415V, 50Hz
Compressor Type	Outdoor Unit	Type	TwinBLDCRotary	TwinBLDCRotary	TwinBLDCRotary	TwinBLDCRotary	TwinBLDCRotary	TwinBLDCRotary
	Power (Min/Nominal/Max)	kW	0.21/0.94/2.10	0.29/1.34/2.45	0.49/1.69/3.30	0.73/2.46/3.60	0.78/3.25/4.35	0.78/3.85/5.10
Current Input	Heating	kW	0.19/1.10/2.70	0.24/1.56/3.55	0.38/2.11/4.50	0.62/2.75/6.20	0.62/3.30/7.30	0.62/4.27/8.10
	Cooling (Min/Std/Max)	A	1.4/4.5/9.2	1.9/6.2/10.8	2.6/8.0/14.9	3.9/11.2/15.9	-	-
	Heating (Min/Std/Max)	A	1.3/5.1/11.9	1.6/7.1/15.6	2.7/9.8/19.8	3.2/12.4/27.2	-	-
	Cooling - Tri-Phase (Min/Std/Max)	A	-	-	1.1/3.0/5.5	1.5/3.8/5.5	1.6/5.1/6.7	1.6/6.0/7.8
Heating - Tri-Phase (Min/Std/Max)	A	-	-	0.8/3.6/7.3	1.4/4.3/9.1	1.4/5.2/11.2	1.4/6.6/11.9	
<b>Dimensions</b>								
Net Dimensions (W x H x D)	Indoor Unit	mm	850 x 250 x 700	850 x 250 x 700	1,200 x 250 x 700	1,300 x 300 x 700	1,300 x 300 x 700	1,300 x 300 x 700
	Outdoor Unit	mm	880 x 638 x 310	880 x 798 x 310	940 x 998 x 330	940 x 1420 x 330	940 x 1420 x 330	940 x 1420 x 330
Net Weight	Indoor Unit	kg	26.5	26.5	34.5	38.5	38.5	38.5
	Outdoor Unit	kg	43	50	75	100	100	100



Indoor Unit		AC035BNMPKG/EU	AC052BNMPKG/EU	AC071BNMPKG/EU	AC100BNMPKG/EU	AC120BNMPKG/EU	AC140BNMPKG/EU
Outdoor Unit-Mono-Phase		AC035BXAPKG/EU	AC052BXAPKG/EU	AC071BXAPKG/EU	AC100BXAPKG/EU	AC120BXAPKG/EU	AC140BXAPKG/EU
Outdoor Unit-Tri-Phase			-	AC071BXAPNG/EU	AC100BXAPNG/EU	AC120BXAPNG/EU	AC140BXAPNG/EU
<b>Refrigerant</b>							
Refrigerant	Type	R32(contains fluorinated greenhouse gases.GWP=675)					
	Factory Charging	kg	1.2/20 m	1.7/20 m	2.7/30 m	3.5/30 m	3.5/30 m
	Charging Ton equivalent CO <sub>2</sub>	tCO <sub>2</sub> e	0.81	1.15	1.82	2.36	2.36
	Additional Refrigerant Charging	g/m	-	-	-	-	-
Piping Connections	Liquid Pipe	ø, inch	1/4	1/4	3/8	3/8	3/8
	Gas Pipe	ø, inch	3/8	1/2	5/8	5/8	5/8
Piping Length	Min/Max	m	5/30	5 / 50	5 / 55	5/ 85	5/ 85
Piping Height	Max	m	20	30	30	30	30
Piping Connections	Drain Pipe	ø, mm	VP 25 (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>							
Panel	Model Code		-	-	-	-	-
	Net Dimensions (W x H x D)	mm	-	-	-	-	-
	Net Weight	kg	-	-	-	-	-
Accessories	Drain Pump		MDP-G075SP/ MDP-G075SQ	MDP-G075SP/ MDP-G075SQ	MDP-G075SP/ MDP-G075SQ	MDP-G075SP/ MDP-G075SQ	MDP-G075SP/ MDP-G075SQ
	Max. Lifting Height/ Displacement	mm / litres/h	750/24	750/24	750/24	750/24	750/24

#### Accessories

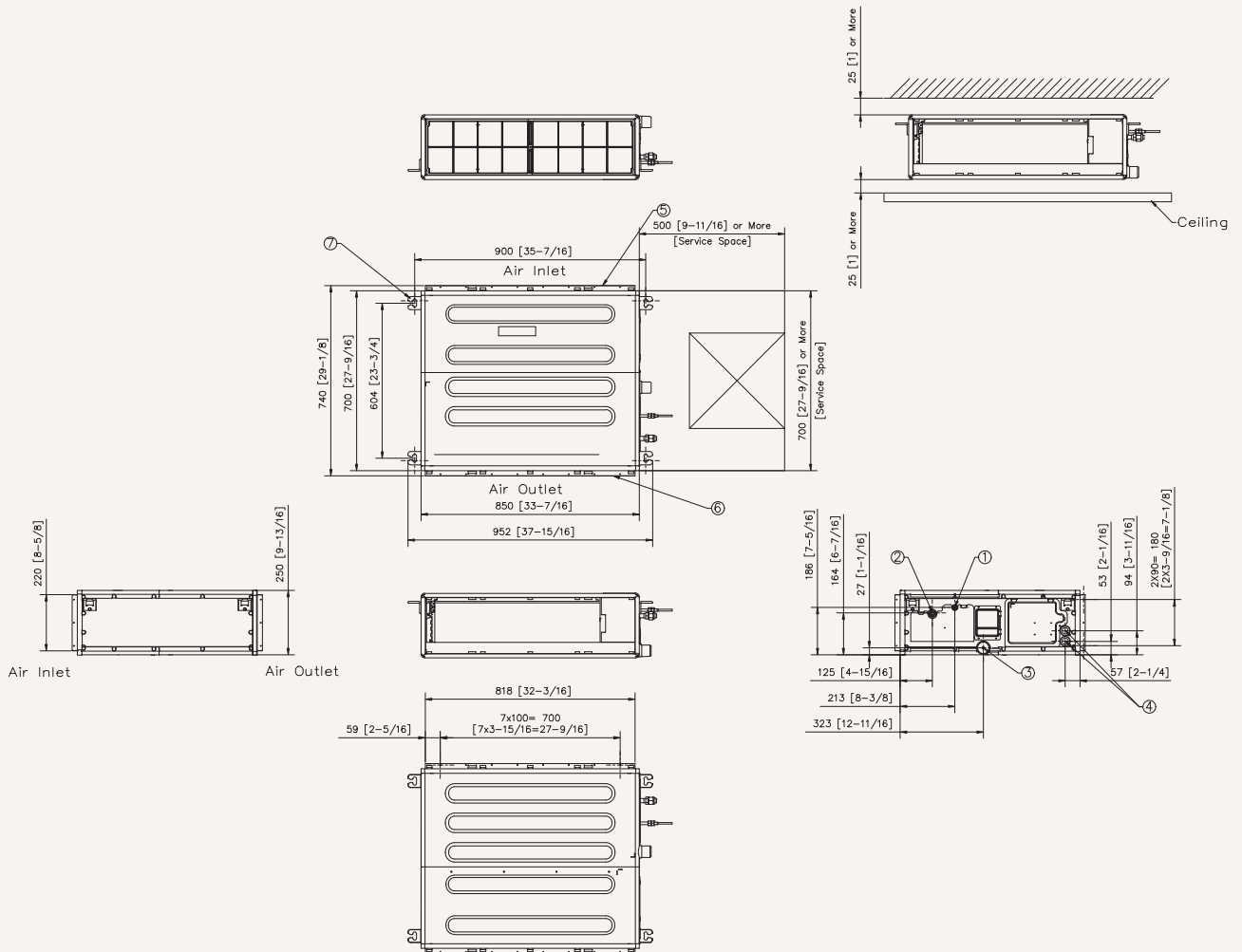
Drain Pump (optional)	Drain Pump (optional)	Wireless Remote Controller	Touch Controller
MDP-G075SP	MDP-G075SQ	AR-EH04E (to be matched with MRK-A10N)	MWR-SH11N
Advanced Wired Controller	Wi-Fi Kit	Wireless Receiver Kit	External Thermostat
MWR-WG00JN/ MWR-WG00KN	MIM-H04EN	MRK-A10N (to be matched with AR-EH04E)	MRW-TA
Touch Centralised Controller	DMS 2.5	BACnet/Lonworks/PIM	ON/OFF Controller
MCM-A300N	MIM-D01AN	MIM-B17BN/B18BN/B16N	MCM-A202DN

<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

MSP Duct HEE R32

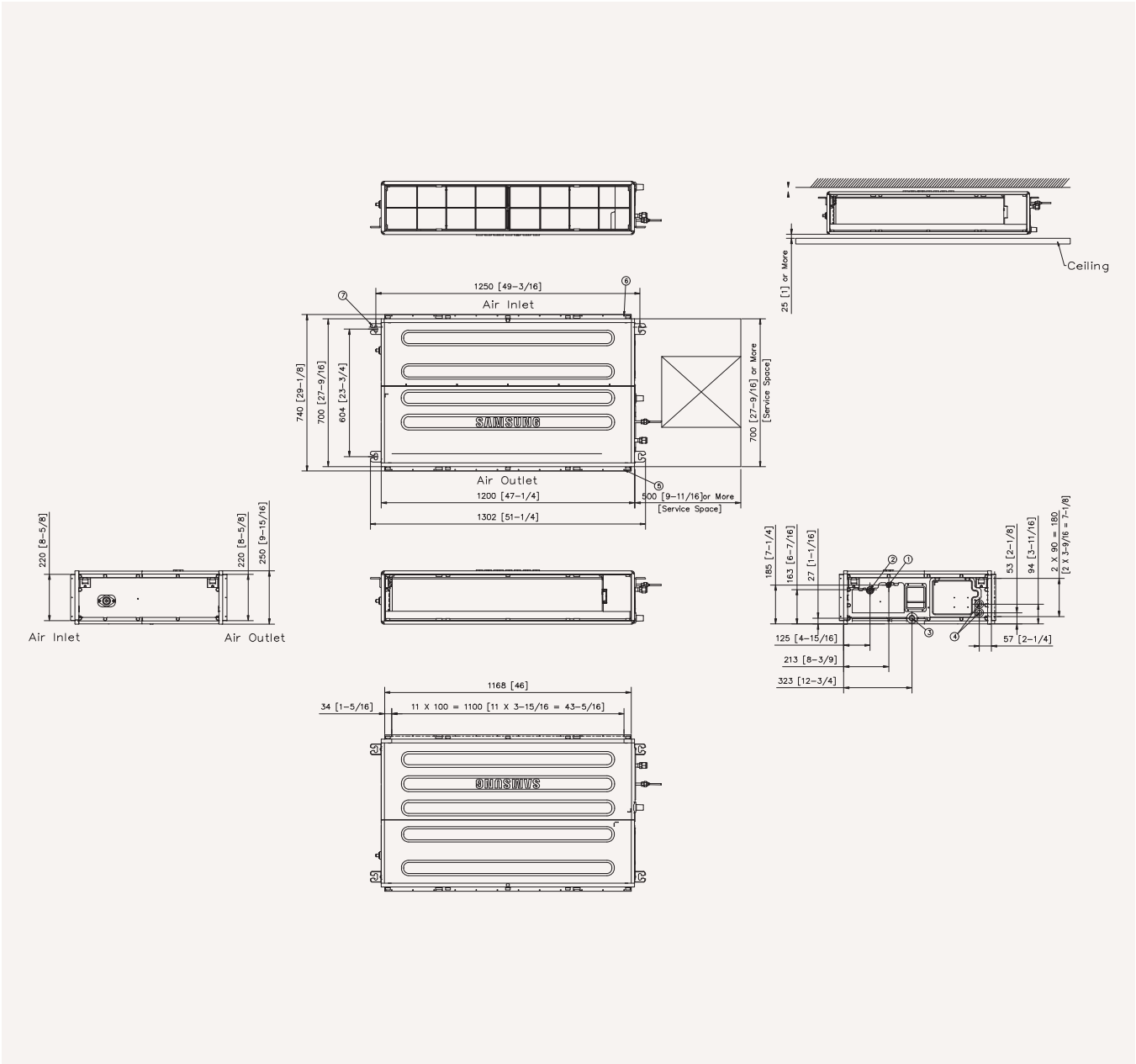
AC035/052BNMPKG/EU





# MSP Duct HEE R32

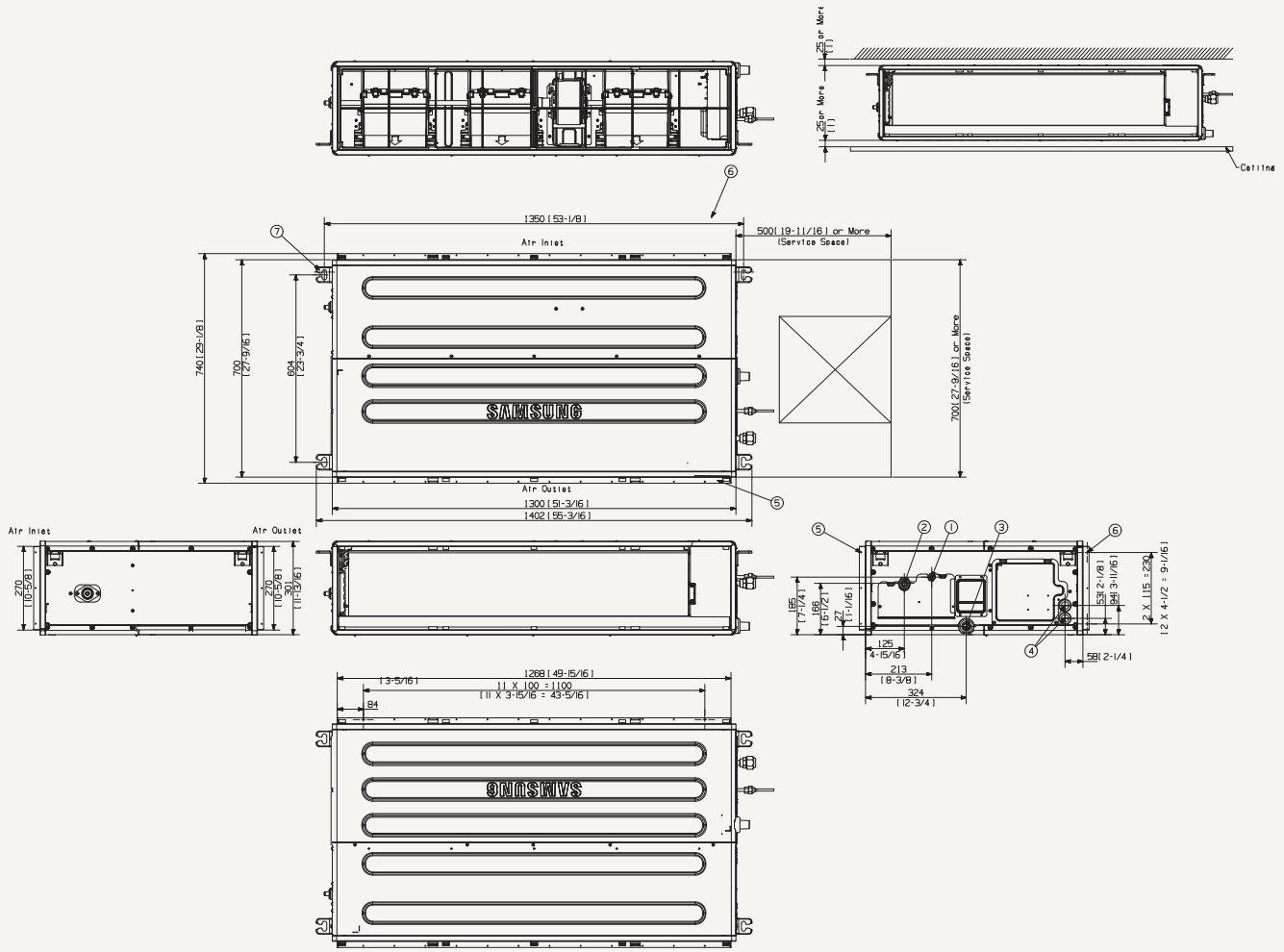
AC071BNMPKG/EU



# Dimensional drawings

MSP Duct HEE R32

AC0100/120/140BNMPKG/EU









# Specifications

## LSP Duct R32

- Fan with inverter motor; prevalence adjustable up to 40 Pa; thickness of just 200.
- 750 mmH<sub>2</sub>O condensation drain pump (optional); antibacterial filter included.



Indoor Unit Outdoor Unit – Mono-Phase Outdoor Unit – Tri-Phase			AC026BNLDKG/EU AC026RXADKG/EU	AC035RNLDKG/EU AC035RXADKG/EU	AC052BNLDKG/EU AC052RXADKG/EU	AC071BNLDKG/EU AC071RXADKG/EU
<b>Capacity</b>						
	Cooling (Min/Nominal/Max)	kW	0.80/2.60/3.80	0.85/3.50/4.30	1.20/5.00/6.50	1.50/7.10/8.70
	Heating @ +7 °C (Min/Nominal/Max)	kW	0.98/3.30/4.30	1.00/4.00/5.00	1.10/6.00/7.20	1.90/8.00/9.00
	Heating @ -5 °C	kW	3.2	3.9	5.9	7.8
	Heating @ -15 °C	kW	2.9	3.5	5.2	7.0
<b>Performance</b>						
Energy Efficiency Cooling	SEER <sup>1</sup>	W/W	6.2/ <span style="color: green;">A++</span>	6.1/ <span style="color: green;">A++</span>	6.1/ <span style="color: green;">A++</span>	6.0/ <span style="color: green;">A+</span>
	Power Consumption	kWh/a	147	201	287	414
	Pdesignc	kW	2.60	3.50	5.00	7.10
	EER	W/W	3.82	3.12	2.96	2.98
Energy Efficiency Heating	SCOP <sup>1</sup>	W/W	4.0/ <span style="color: orange;">A+</span>	4.0/ <span style="color: orange;">A+</span>	3.9/ <span style="color: orange;">A</span>	3.9/ <span style="color: orange;">A</span>
	Power Consumption	kWh/a	700	700	862	1,328
	Pdesignh (average)	kW	2.0	2.0	2.4	3.7
	COP <sup>1</sup>	W/W	3.79	3.31	3.45	3.36
Airflow Rate	Indoor Unit (H/M/L)	m <sup>3</sup> /min	9.0/8.2/7.4	9.5/8.5/7.5	13.5/11.5/9.5	19.0/14.5/10.0
Sound Power	Indoor Unit	dB(A)	53	53	55	59
	Outdoor Unit	dB(A)	59	61	62	65
Sound Pressure	Indoor Unit (H/M/L)	dB(A)	32/29/26	33/30/27	33/30/27	37/32/27
	Outdoor Unit (H/L)	dB(A)	47/46	48/48	48/48	51/49
Fan/Outdoor Unit	Type		Sirocco	Sirocco	Sirocco	Sirocco
	Power	W	153	153	153	153
	Number of Fans	-	2	2	3	3
External Static Pressure	Min/Std/Max	Pa	0.00/25.00/39.00	0.00/25.00/39.00	0.00/25.00/39.00	0.00/25.00/39.00
Operating Temperature Range	Cooling	°C	-15~46	-15~46	-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	-	-	-	-
Compressor Type	Outdoor Unit	Type	Single BLDC	Single BLDC	Twin BLDC	Twin BLDC
Power (Min/Nominal/Max)	Cooling	kW	0.19/0.68/1.20	0.20/1.12/1.40	0.35/1.69/2.20	0.35/2.38/3.60
	Heating	kW	0.20/0.87/1.45	0.19/1.21/1.80	0.26/1.74/2.70	0.35/2.38/3.95
Current Input	Cooling (Min/Std/Max)	A	1.5/3.6/5.5	1.6/5.4/6.5	2.1/7.7/10.0	2.0/10.5/16.0
	Heating (Min/Std/Max)	A	1.3/4.5/7.0	1.3/5.8/10.5	1.7/7.8/12.0	2.0/10.4/17.0
<b>Dimensions</b>						
Net Dimensions (W x H x D)	Indoor Unit	mm	700 x 199 x 600	700 x 199 x 600	1,100 x 200 x 450	1,100 x 200 x 450
	Outdoor Unit	mm	790 x 548 x 285	790 x 548 x 285	880 x 638 x 310	880 x 798 x 310



Indoor Unit Outdoor Unit - Mono-Phase Outdoor Unit - Tri-Phase			AC026BNLDKG/EU AC026RXADKG/EU	AC035RNLDKG/EU AC035RXADKG/EU	AC052BNLDKG/EU AC052RXADKG/EU	AC071BNLDKG/EU AC071RXADKG/EU
Net Weight	Indoor Unit	kg	19.0	19.0	23.5	23.5
	Outdoor Unit	kg	32.5	32.5	43.0	51.0
Refrigerant						
Refrigerant	Type		R32 (contains fluorinated greenhouse gases, GWP = 675)			
	Factory Charging	kg	0.9/20 m	0.9/20 m	1.2/10 m	1.7/15 m
	Charging Ton equivalent CO <sub>2</sub>	tCO <sub>2</sub> e	0.61	0.61	0.81	1.15
	Additional Refrigerant Charging	g/m	-	-	15	25
Piping Connections	Liquid Pipe	ø, inch	1/4	1/4	1/4	1/4
	Gas Pipe	ø, inch	3/8	3/8	1/2	5/8
Piping Length	Min/Max	m	3/20	3/20	3/30	3/50
Piping Height	Max	m	15	15	20	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)
Others						
Panel	Model Code		-	-	-	-
	Net Dimensions (W x H x D)	mm	-	-	-	-
	Net Weight	kg	-	-	-	-
Accessories	Drain Pump		MDP-E075SEE3D	MDP-E075SEE3D	MDP-G075SP	MDP-G075SP
	Max. Lifting Height/Displacement	mm / litres/h	750/24	750/24	750/24	750/24

#### Accessories



Drain Pump (optional)

Wireless Remote Controller

Touch Controller

Advanced Wired Controller

Touch Centralised Controller

MDP-E075SEE3D

AR-EH03E  
(to be matched with MRK-A10N)

MWR-SH11N

MWR-WG00JN/  
MWR-WG00KN

MCM-A300N



Wi-Fi Kit

Wireless Receiver Kit

External Thermostat

MIM-H04EN

MRK-A10N  
(to be matched with AR-EH03E)

MRW-TA



DMS 2.5

BACnet/Lonworks/PIM

ON/OFF Controller

MIM-D01AN

MIM-B17BN/B18BN/B16N

MCM-A202DN

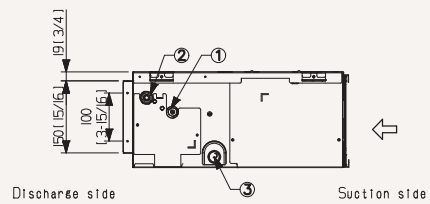
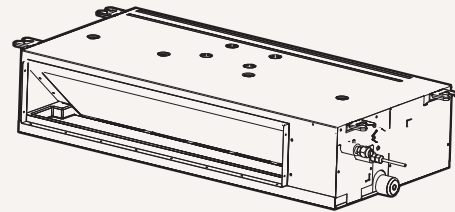
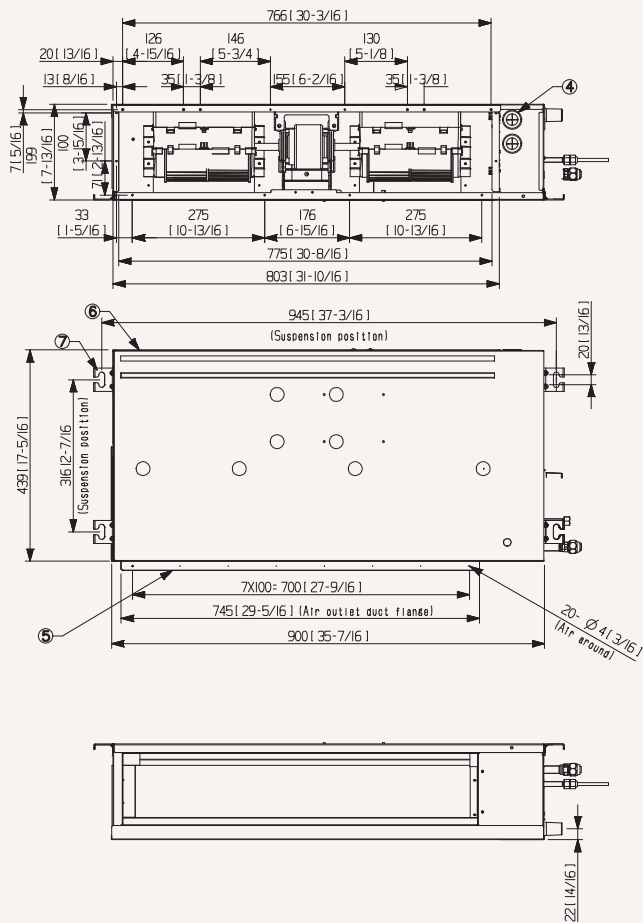
<sup>1</sup> Energy labels as shown are according to EU No 626/2011 (LOT10) label classification 2019, on a scale from D to A+++.



# Dimensional drawings

LSP Duct R32

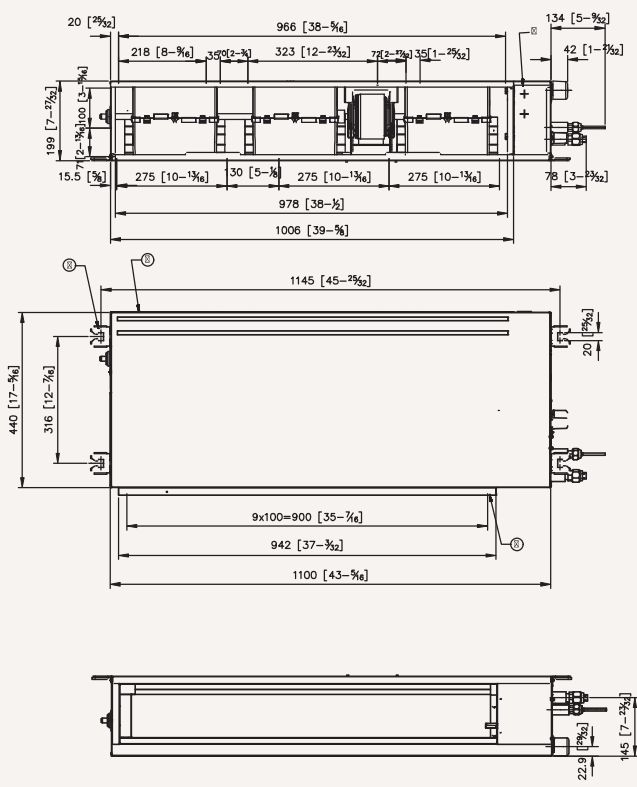
AC026/035BNLDKG/EU



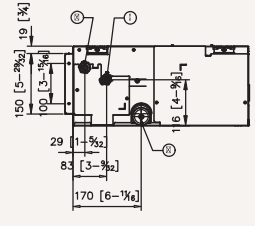
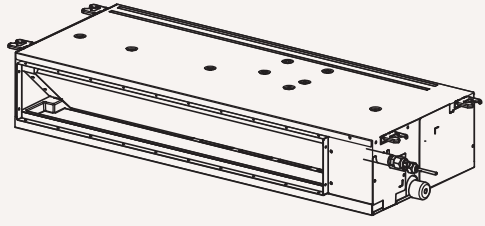
NO	Name	Description
1	Refrigerant Liquid Pipe	Ø6.35 [1/4"] Flare Connection
2	Refrigerant Gas Pipe	Ø9.52 [3/8"] Flare Connection
3	Condensate Drain (Option)	VP25 (OD32, ID25)
4	Power supply & Communication wiring conduit	-
5	Supply Air Flange	-
6	Return Air Flange	-
7	Hook	-

# LSP Duct R32

AC052/071BNLDKG/EU



☒R☒S☒



NO	Name	Description	
		AC052BNLDKG/EU	AC071BNLDKG/EU
1	Refrigerant Liquid Pipe	Φ6.35 [1/4"] Flare Connection	
2	Refrigerant Gas Pipe	Φ12.7 [1/2"] Flare Connection	Φ15.88 [5/8"] Flare Connection
3	Condensate Drain (Option)	VP25 (OD32, ID25)	
4	Power supply & Communication wiring conduit	-	
5	Supply Air Flange	-	
6	Return Air Flange	-	
7	Hook	-	

# Specifications

## WindFree™ Deluxe R32

- Three-step cooling: Fast Cooling mode, Dehumidification mode and WindFree™ Cooling mode
- Wi-Fi Control with SmartThings and Bixby voice controls (optional)
- Equipped with Easy Filter Plus



Indoor Unit			AC026TNXDKG/EU	AC035TNXDKG/EU	AC052TNXDKG/EU	AC071TNXDKG/EU
Outdoor Unit - Mono-Phase			AC026RXADKG/EU	AC035RXADKG/EU	AC052RXADKG/EU	AC071RXADKG/EU
Outdoor Unit - Tri-Phase						
<b>Capacity</b>						
	Cooling (Min/Nominal/Max)	kW	1.0 / 2.6 / 4.0	1.0 / 3.5 / 4.5	1.5 / 5.0 / 6.8	2.0 / 7.1 / 8.7
	Heating up to +7 °C (Min/Nominal/Max)	kW	0.8 / 3.3 / 4.0	0.8 / 4.0 / 4.8	1.0 / 6.0 / 6.5	1.6 / 8.0 / 9.0
	Heating @ -5 °C	kW	-	-	-	-
	Heating @ -15 °C	kW	-	-	-	-
<b>Performance</b>						
Energy Efficiency Cooling	SEER <sup>1</sup>	W/W	7.0 / <span style="color: green;">A++</span>	6.9 / <span style="color: green;">A++</span>	6.9 / <span style="color: green;">A++</span>	6.8 / <span style="color: green;">A++</span>
	Consumption	kWh/a	130	178	254	365
	Pdesignc	kW	2.6	3.5	5.0	7.1
	EER	W/W	4.06	3.50	3.57	3.09
Energy Efficiency Heating	SCOP <sup>1</sup>	W/W	4.1 / <span style="color: orange;">A+</span>	4.1 / <span style="color: orange;">A+</span>	3.9 / <span style="color: orange;">A</span>	4.0 / <span style="color: orange;">A+</span>
	Consumption	kWh/a	717	717	862	1260
	Pdesignh (average)	kW	2.1	2.1	2.4	3.6
	COP <sup>1</sup>	W/W	3.75	3.31	3.43	3.4
Airflow Rate	Indoor Unit (High/Mid/Low)	m <sup>3</sup> /min	10.3 / 8.4 / 7.0	12.2 / 9.8 / 7.9	16.7 / 13.9 / 11.8	17.8 / 15.2 / 13.2
Sound Power	Indoor Unit	dB(A)	56	59	60	61
	Outdoor Unit	dB(A)	59	61	62	65
Sound Pressure	Indoor Unit (Silent/Low/Mid/High)	dB(A)	36 / 30 / 24 / 21	40 / 34 / 28 / 23	42 / 37 / 32 / 25	44 / 39 / 35 / 30
	Outdoor Unit	dB(A)	46/47	48/48	48/48	49/51
Fan/Outdoor Unit	Type		Crossflow Fan	Crossflow Fan	Crossflow Fan	Crossflow Fan
	Power	W	27	27	27	27
	Number	EA	1	1	1	1
Operating Temperature Range	Cooling	°C	-15 ~ 46	-15 ~ 46	-15 ~ 50	-15 ~ 50
	Heating	°C	-20 ~ 24	-20 ~ 24	-20 ~ 24	-20 ~ 24
<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 1P	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 3P	Φ, #, V, Hz	-	-	-	-
Compressor Type	Outdoor Unit	Type	Single BLDC	Single BLDC	Twin BLDC	Twin BLDC
Power (Min/Nominal/Max)	Cooling	kW	0.18 / 0.64 / 1.20	0.19 / 1.00 / 1.40	0.24 / 1.40 / 2.20	0.39 / 2.30 / 3.40
	Heating	kW	0.15 / 0.88 / 1.35	0.15 / 1.21 / 1.40	0.20 / 1.75 / 2.05	0.33 / 2.35 / 3.30
Current Input	Cooling (Min/Std/Max)	A	1.4 / 3.1 / 5.5	1.4 / 4.6 / 6.0	1.5 / 6.3 / 9.6	2.5 / 10.0 / 14.7
	Heating (Min/Std/Max)	A	1.2 / 4.2 / 6.0	1.2 / 5.6 / 6.2	1.3 / 7.8 / 8.8	2.0 / 10.3 / 14.5

<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+++.



Indoor Unit Outdoor Unit - Mono-Phase Outdoor Unit - Tri-Phase	AC026TNXDKG/EU AC026RXADKG/EU	AC035TNXDKG/EU AC035RXADKG/EU	AC052TNXDKG/EU AC052RXADKG/EU	AC071TNXDKG/EU AC071RXADKG/EU
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Dimensions						
Net Dimensions (W x H x D)	Indoor Unit	mm	820 x 299 x 215	820 x 299 x 215	1,055 x 299 x 215	1,055 x 299 x 215
	Outdoor Unit	mm	790 x 548 x 285	790 x 548 x 285	880 x 638 x 310	880 x 798 x 310
	Indoor Unit	kg	9.1	9.1	11.5	12.2
	Outdoor Unit	kg	32.5	32.5	43.0	51.0
Refrigerant						
Refrigerant	Type		R32(Contains fluorinated greenhouse gases, GWP=675)			
	Factory charging	kg	0.9 / 20 m	0.9 / 20 m	1.2 / 10 m	1.7 / 15 m
	Charging Ton equivalent CO <sub>2</sub>	tCO <sub>2</sub> e	0.61	0.61	0.81	1.15
	Additional refrigerant charging	g / m	-	-	15	25
Piping Connections	Liquid Pipe	Φ.inch	1 / 4	1 / 4	1 / 4	1 / 4
	Gas Pipe	Φ.inch	3 / 8	3 / 8	1 / 2	5 / 8
Piping Length	Min/ Max	m	3 / 20	3 / 20	3 / 30	3 / 50
Piping Height	Max	m	15	15	20	30
Piping Connections	Drain pipe	Φ.mm	ID 18	ID 18	ID 18	ID 18

### Accessories



Wireless Remote Controller	Touch Controller	Advanced Wired Remote Controller	Touch Centralised Controller	Wi-Fi Kit
AR-EH03E	MWR-SH11N	MWR-WG00JN/MWR-WG00KN	MCM-A300N	MIM-H04EN

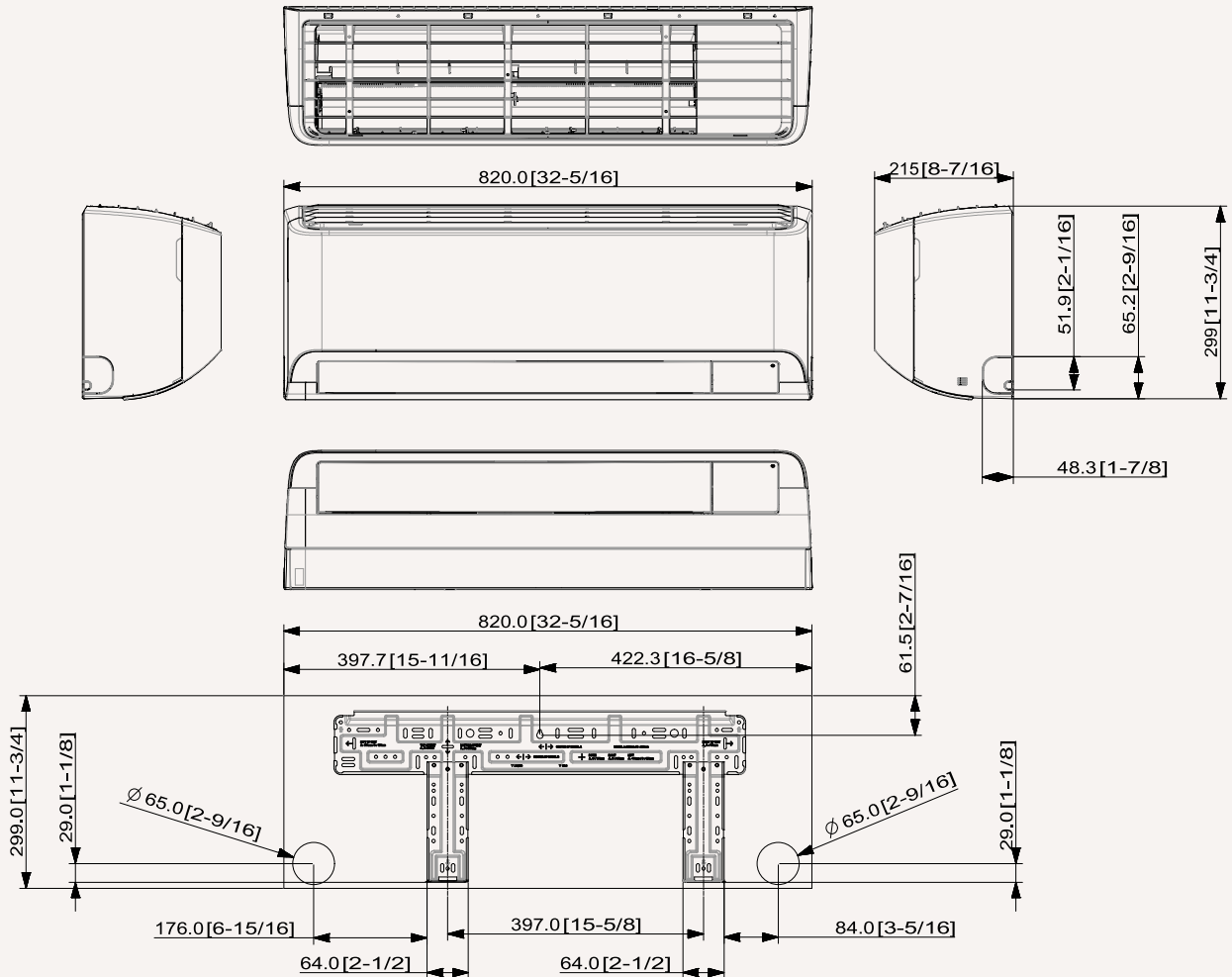


External Thermostat	DMS 2.5	BACnet/Lonworks/PIM	ON/OFF Controller
MRW-TA	MIM-D01AN	MIM-B17BN/B18BN/B16N	MCM-A202DN

# Dimensional drawings

WindFree™ Deluxe R32

AC026TNXDKG/EU AC026RXADKG/EU

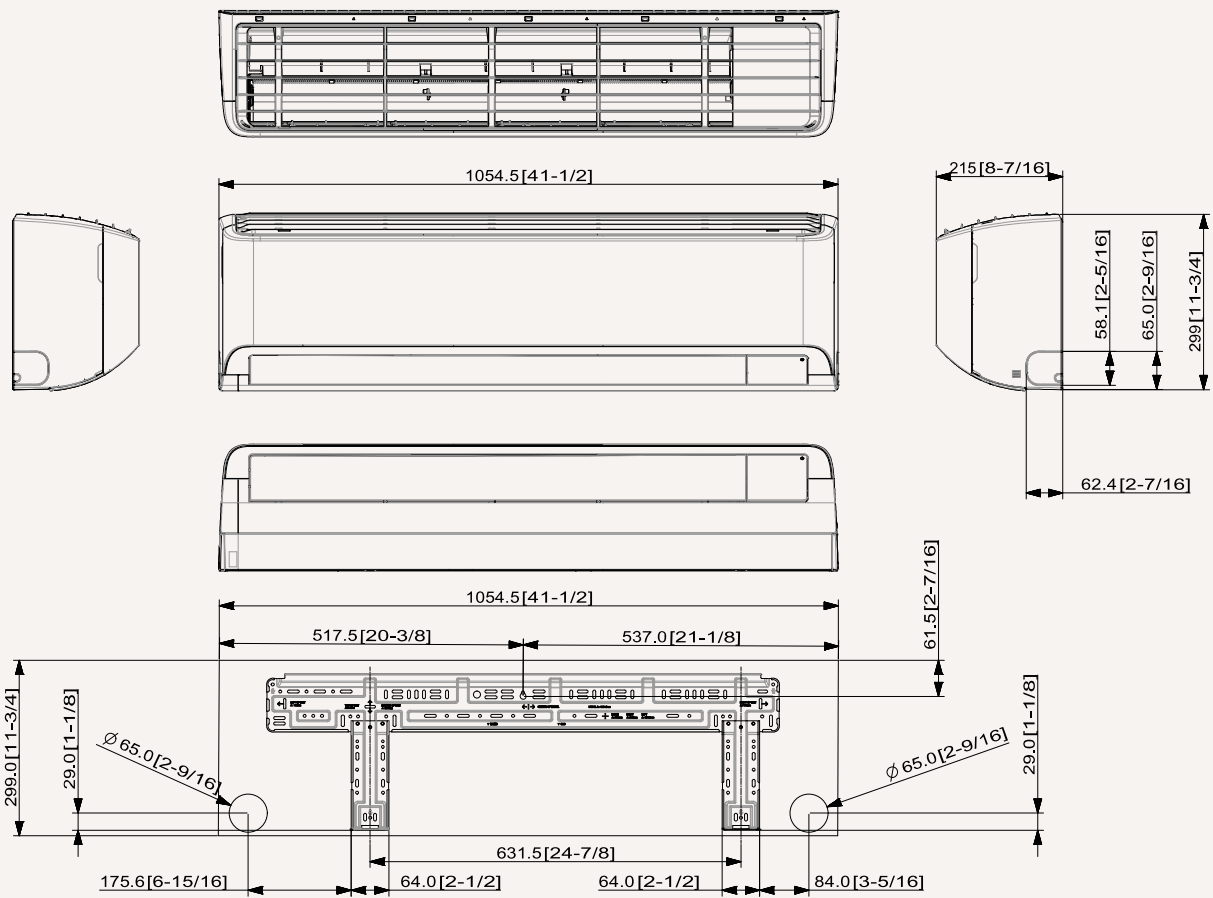


NO	Name	Description
1	Refrigerant gas pipe	$\phi 12.70 (1/2)$ Flare
2	Refrigerant liquid pipe	$\phi 6.35 (1/4)$ Flare
3	Drain pipe connection	ID 18 Hose



# WindFree™ Deluxe R32

AC052TNXDKG/EU AC071TNXDKG/EU



NO	Name	Description
1	Refrigerant gas pipe	$\varnothing 12.70 (1/2)$ Flare
2	Refrigerant liquid pipe	$\varnothing 6.35 (1/4)$ Flare
3	Drain pipe connection	ID 18 Hose

# Specifications

## WindFree™ Deluxe HEE R32

- Three-step cooling: Fast Cooling mode, Dehumidification mode and WindFree™ Cooling mode
- Wi-Fi Control with SmartThings and Bixby voice controls (optional)
- Equipped with Easy Filter Plus
- Operation range from -25°C until 52°C
- 100% heating capacity at -15°C
- Base heater as standard
- Inverter PBA self-diagnosis



Indoor Unit Outdoor Unit – Mono-Phase Outdoor Unit – Tri-Phase			AC026BNAPKG/EU AC026RXADKG/EU	AC035BNAPKG/EU AC035BXAPKG/EU	AC052BNAPKG/EU AC052BXAPKG/EU	AC071BNAPKG/EU AC071BXAPKG/EU AC071BXAPNG/EU
<b>Capacity</b>						
	Cooling (Min/Nominal/Max)	kW	0.98 / 2.60 / 4.20	1.00 / 3.50 / 5.10	1.20 / 5.00 / 7.30	2.00 / 7.10 / 9.20
	Heating up to +7 °C (Min/Nominal/Max)	kW	0.91 / 3.30 / 4.50	0.93 / 4.00 / 5.40	1.00 / 6.00 / 9.40	1.60 / 8.00 / 10.50
	Heating @ -5 °C	kW	-	-	-	-
	Heating @ -15 °C	kW	-	-	-	-
<b>Performance</b>						
Energy Efficiency Cooling	SEER <sup>1</sup>	W/W	7.2 / A++	7.7 / A++	7.5 / A++	7.0 / A++
	Consumption	kWh/a	126	159	233	355
	Pdesignc	kW	2.6	3.5	5.0	7.1
	EER	W/W	4.0	4.07	3.94	3.26
Energy Efficiency Heating	SCOP <sup>1</sup>	W/W	4.3 / A+	4.6 / A++	4.6 / A	4.3 / A+
	Consumption	kWh/a	684	761	1187	1270
	Pdesignh (average)	kW	2.1	2.5	3.9	3.9
	COP	W/W	3.79	4.04	3.8	3.32
Airflow Rate	Indoor Unit (High/Mid/Low)	m <sup>3</sup> /min	10.6 / 8.5 / 6.9	12.7 / 10.1 / 8.0	15.2 / 12.6 / 10.6	17.8 / 15.2 / 13.2
Sound Power	Indoor Unit	dB(A)	56	58	58	61
	Outdoor Unit	dB(A)	59	61	63	64
Sound Pressure	Indoor Unit (Silent/Low/Mid/High)	dB(A)	36 / 30 / 24 / 21	40 / 34 / 28 / 23	42 / 37 / 32 / 25	44 / 39 / 35 / 30
	Outdoor Unit	dB(A)	45/45	46/46	47/48	47/48
Fan/Outdoor Unit	Type		BLDC	BLDC	BLDC	BLDC
	Power	W	125	125	125	125
	Number	EA	1	1	1	1
Operating Temperature Range	Cooling	°C	-20~52	-20~52	-20~52	-20~52
	Heating	°C	-25.0~24.0	-25.0~24.0	-25.0~24.0	-25.0~24.0
<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 1P	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 3P	Φ, #, V, Hz	-	-	-	3Φ, 4, 380-415 V, 50 Hz
Compressor Type	Outdoor Unit	Type	Twin BLDC Rotary	Twin BLDC Rotary	Twin BLDC Rotary	Twin BLDC Rotary
Power (Min/Nominal/Max)	Cooling	kW	0.21 / 0.65 / 1.41	0.22 / 0.86 / 2.10	0.25 / 1.27 / 2.41	0.46 / 2.18 / 3.10
	Heating	kW	0.19 / 0.87 / 2.45	0.19 / 0.99 / 2.50	0.23 / 1.58 / 3.40	0.37 / 2.41 / 4.50
Current Input	Cooling (Min/Std/Max)	A	1.4 / 3.2 / 6.2	1.4 / 4.1 / 9.2	1.6 / 5.9 / 10.6	2.4 / 10.0 / 14.0
	Heating (Min/Std/Max)	A	1.3 / 4.1 / 10.8	1.3 / 4.6 / 11.4	1.5 / 7.2 / 14.9	2.6 / 10.9 / 19.8
	Cooling – Tri-Phase (Min/Std/Max)	A	-	-	-	1.1 / 3.7 / 5.3
	Heating – Tri-Phase (Min/Std/Max)	A	-	-	-	0.8 / 4.0 / 7.3

<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+++.



Indoor Unit Outdoor Unit - Mono-Phase Outdoor Unit - Tri-Phase	AC026BNAPKG/EU AC026RXADKG/EU	AC035BNAPKG/EU AC035BXAPKG/EU	AC052BNAPKG/EU AC052BXAPKG/EU	AC071BNAPKG/EU AC071BXAPKG/EU AC071BXAPNG/EU
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Dimensions					
Net Dimensions (W x H x D)	Indoor Unit	mm	889 x 215 x 299	889 x 215 x 299	1,055 x 215 x 299
	Outdoor Unit	mm	880 x 638 x 310	880 x 638 x 310	880 x 798 x 310
	Indoor Unit	kg	10.6	10.6	12.7
	Outdoor Unit	kg	43	43	50
Refrigerant					
Refrigerant	Type		R32(Contains fluorinated greenhouse gases, GWP=675)		
	Factory charging	kg	1.2/20 m	1.2/20 m	1.7/20 m
	Charging Ton equivalent CO <sub>2</sub>	tCO <sub>2</sub> e	0.81	0.81	1.15
	Additional refrigerant charging	g / m	-	-	1.82
Piping Connections	Liquid Pipe	Φ.inch	1/4	1/4	1/4
	Gas Pipe	Φ.inch	3/8	3/8	1/2
Piping Length	Min/ Max	m	5/30	5/30	5 / 55
Piping Height	Max	m	20	20	30
Piping Connections	Drain pipe	Φ.mm	ID 18	ID 18	ID 18

### Accessories



Wireless Remote Controller	Touch Controller	Advanced Wired Remote Controller	Touch Centralised Controller	Wi-Fi Kit
AR-EH04E	MWR-SH11N	MWR-WG00JN/MWR-WG00KN	MCM-A300N	MIM-H04EN

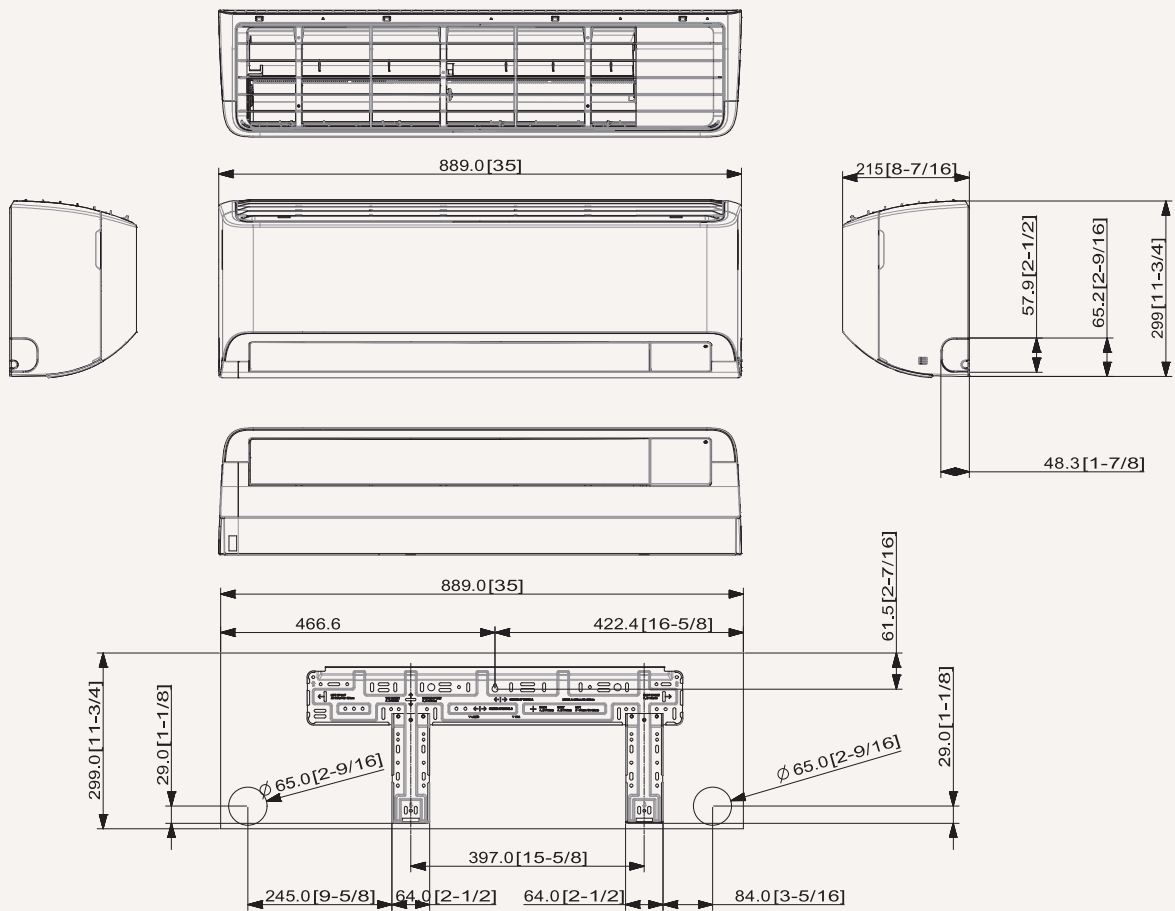


External Thermostat	DMS 2.5	BACnet/Lonworks/PIM	ON/OFF Controller
MRW-TA	MIM-D01AN	MIM-B17BN/B18BN/B16N	MCM-A202DN

# Dimensional drawings

WindFree™ Deluxe HEE R32

AC026/035BNAPKG/EU







# Specifications

## Max Wall-Mounted R32

- Full HD Filter.
- Wi-Fi kit (optional)



Indoor Unit	AC100RNTDKG/EU
Outdoor Unit - Mono-Phase	AC100RXADKG/EU
Outdoor Unit - Tri-Phase	AC100RXADNG/EU

Capacity			
Cooling (Min/Nominal/Max)	kW	3.0/9.5/11.0	
Heating @ +7 °C (Min/Nominal/Max)	kW	2.2/10.8/15.5	
Heating @ -5 °C	kW	10.6	
Heating @ -15 °C	kW	9.4	
Performance			
Energy Efficiency Cooling	SEER <sup>1</sup>	W/W	5.9/ <span style="color: green;">A+</span>
	Power Consumption	kWh/a	564
	Pdesignc	kW	9.5
	EER	W/W	2.53
Energy Efficiency Heating	SCOP <sup>1</sup>	W/W	4.0/ <span style="color: green;">A+</span>
	Power Consumption	kWh/a	1,960
	Pdesignh (average)	kW	5.6
	COP <sup>1</sup>	W/W	2.82
Airflow Rate	Indoor Unit (H/M/L)	m <sup>3</sup> /min	22.7/19.8/17.8
Sound Power	Indoor Unit	dB(A)	65
	Outdoor Unit	dB(A)	69
Sound Pressure	Indoor Unit (H/M/L/Silent)	dB(A)	49/46/43/37
	Outdoor Unit (H/L)	dB(A)	54/52
Fan/Outdoor Unit	Type	Crossflow Fan	
	Power	W	58
	Number of Fans	-	2
Operating Temperature Range	Cooling	°C	-15-50
	Heating	°C	-20.0-24.0

Indoor Unit	AC100RNTDKG/EU
Outdoor Unit - Mono-Phase	AC100RXADKG/EU
Outdoor Unit - Tri-Phase	AC100RXADNG/EU

Electrical Data			
Power Source	Indoor Unit	Φ, #, V, Hz	1Φ, 2, 220-240 V, 50 Hz
	Outdoor Unit Mono-Phase	Φ, #, V, Hz	1Φ, 2, 220-240 V, 50 Hz
	Outdoor Unit Tri-Phase	Φ, #, V, Hz	3Φ, 4, 380-415 V, 50 Hz
Compressor Type	Outdoor Unit	Type	Twin BLDC
Power (Min/Nominal/Max)	Cooling	kW	0.60/3.75/5.10
	Heating	kW	0.46/3.82/5.40
Current Input	Cooling (Min/Std/Max)	A	3.0/16.3/22.5
	Heating (Min/Std/Max)	A	2.5/16.7/23.0
	Cooling - Tri-Phase (Min/Std/Max)	A	1.5/5.7/7.7
	Heating - Tri-Phase (Min/Std/Max)	A	1.2/5.7/8.4
Dimensions			
Net Dimensions (W x H x D)	Indoor Unit	mm	1,280 x 345 x 253
	Outdoor Unit	mm	940 x 998 x 330
Net Weight	Indoor Unit	kg	18.5
	Outdoor Unit	kg	75.0
Refrigerant			
Refrigerant	Type	R32 (contains fluorinated greenhouse gases. GWP = 675)	
	Factory Charging	kg	2.7/30 m
	Charging Ton equivalent CO <sub>2</sub>	tCO <sub>2</sub> e	1.82
	Additional Refrigerant Charging	g/m	50
Piping Connections	Liquid Pipe	ø, inch	3/8
	Gas Pipe	ø, inch	5/8
Piping Length	Min/Max	m	3/50
Piping Height	Max	m	30
Piping Connections	Drain Pipe	ø, mm	VP25 (OD 32, ID 25)

### Accessories



Touch Controller

Advanced Wired Remote Controller

Touch Centralised Controller

Wi-Fi Kit

MWR-SH11N

MWR-WG00JN/MWR-WG00KN

MCM-A300N

MIM-H04EN



External Thermostat

DMS 2.5

BACnet/Lonworks/PIM

ON/OFF Controller

MRW-TA

MIM-D01AN

MIM-B17BN/B18BN/B16N

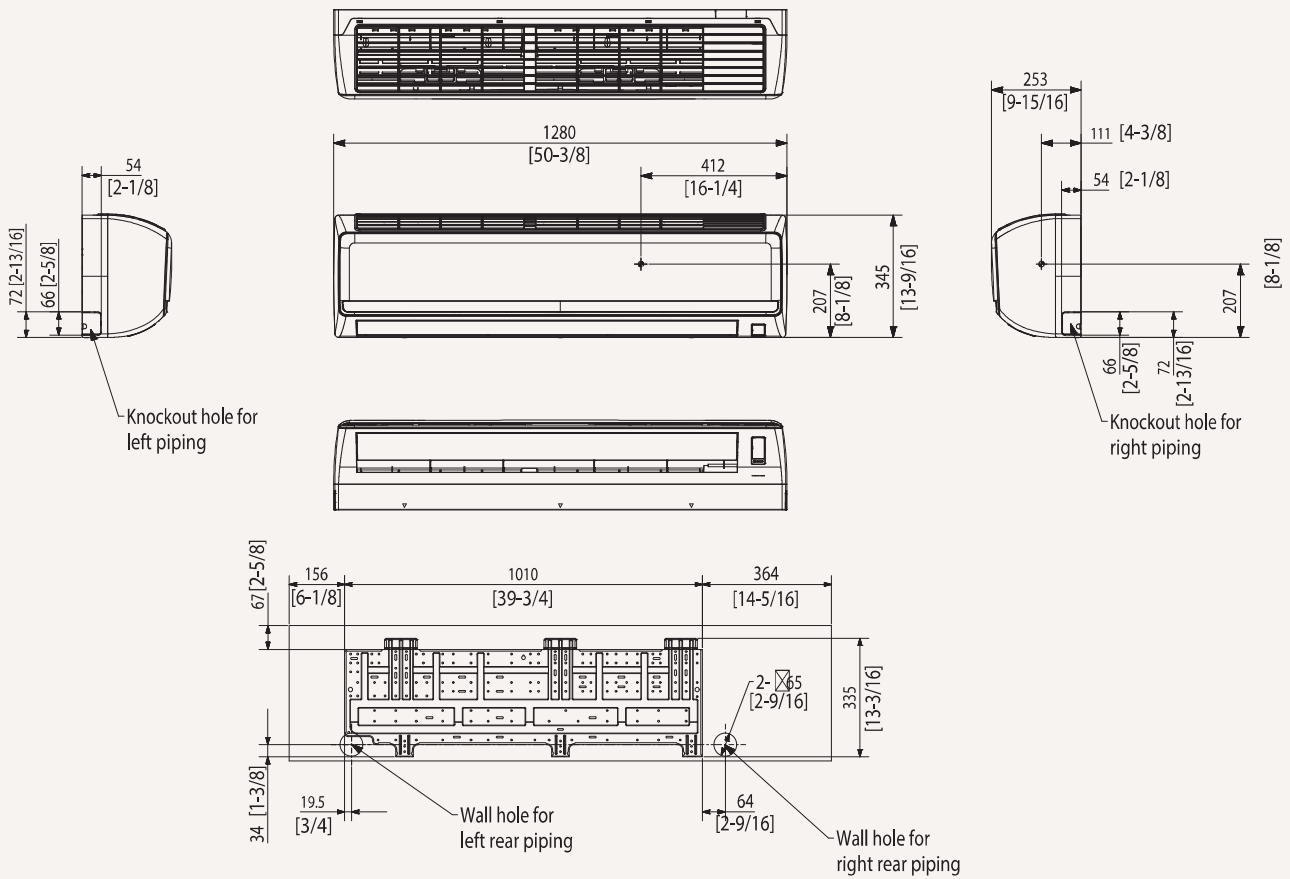
MCM-A202DN

<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

Max Wall-Mounted R32

AC100\*NTD\*\*/EU



# Specifications

## Max Wall-Mounted HEE R32

- Full HD Filter.
- Wi-Fi kit (optional)
- Operation range from -25°C until 52°C
- 100% heating capacity at -15°C
- Base heater as standard
- Inverter PBA self-diagnosis



Indoor Unit	AC100BNTPKG/EU
Outdoor Unit - Mono-Phase	AC100BXAPKG/EU
Outdoor Unit - Tri-Phase	AC100BXAPNG/EU

Capacity			
Cooling (Min/Nominal/Max)	kW	3.60 / 9.50 / 12.10	
Heating @ +7 °C (Min/Nominal/Max)	kW	2.90 / 10.80 / 16.20	
Heating @ -5 °C	kW		
Heating @ -15 °C	kW		
Performance			
Energy Efficiency Cooling	SEER <sup>1</sup>	W/W	6.9 / <span style="color: green;">A++</span>
	Power Consumption	kWh/a	482
	Pdesignc	kW	9.5
	EER	W/W	3.47
Energy Efficiency Heating	SCOP <sup>1</sup>	W/W	4.1 / <span style="color: green;">A+</span>
	Power Consumption	kWh/a	2220
	Pdesignh (average)	kW	6.5
	COP <sup>1</sup>	W/W	3.13
Airflow Rate	Indoor Unit (H/M/L)	m <sup>3</sup> /min	22.7/19.8/17.8
Sound Power	Indoor Unit	dB(A)	65
	Outdoor Unit	dB(A)	66
Sound Pressure	Indoor Unit (H/M/L/Silent)	dB(A)	49/46/43/37
	Outdoor Unit (H/L)	dB(A)	54/52
Fan/Outdoor Unit	Type		BLDC
	Power	W	125
	Number of Fans	-	1
Operating Temperature Range	Cooling	°C	-20-52
	Heating	°C	-25.0-24.0

Indoor Unit	AC100BNTPKG/EU
Outdoor Unit - Mono-Phase	AC100BXAPKG/EU
Outdoor Unit - Tri-Phase	AC100BXAPNG/EU

Electrical Data			
Power Source	Indoor Unit	Φ, #, V, Hz	1Φ, 2, 220-240 V, 50 Hz
	Outdoor Unit Mono-Phase	Φ, #, V, Hz	1Φ, 2, 220-240 V, 50 Hz
	Outdoor Unit Tri-Phase	Φ, #, V, Hz	3Φ, 4, 380-415 V, 50 Hz
Compressor Type	Outdoor Unit	Type	Twin BLDC Rotary
Power (Min/Nominal/Max)	Cooling	kW	0.78 / 2.74 / 4.20
	Heating	kW	0.65 / 3.45 / 6.40
Current Input	Cooling (Min/Std/Max)	A	4.0 / 12.3 / 18.3
	Heating (Min/Std/Max)	A	4.0 / 15.3 / 27.9
	Cooling - Tri-Phase (Min/Std/Max)	A	1.5 / 4.6 / 6.7
	Heating - Tri-Phase (Min/Std/Max)	A	1.3 / 5.6 / 9.3
Dimensions			
Net Dimensions (W x H x D)	Indoor Unit	mm	1,280 x 345 x 253
	Outdoor Unit	mm	940 x 1,420 x 330
Net Weight	Indoor Unit	kg	18.5
	Outdoor Unit	kg	100
Refrigerant			
Refrigerant	Type	R32 (contains fluorinated greenhouse gases. GWP = 675)	
	Factory Charging	kg	3.5/30 m
	Charging Ton equivalent CO <sub>2</sub>	tCO <sub>2</sub> e	2.36
	Additional Refrigerant Charging	g/m	
Piping Connections	Liquid Pipe	ø, inch	3/8
	Gas Pipe	ø, inch	5/8
Piping Length	Min/Max	m	5/ 85
Piping Height	Max	m	30
Piping Connections	Drain Pipe	ø, mm	ID 18

### Accessories



Touch Controller

Advanced Wired Remote Controller

Touch Centralised Controller

Wi-Fi Kit

MWR-SH11N

MWR-WG00JN/MWR-WG00KN

MCM-A300N

MIM-H04EN



External Thermostat

DMS 2.5

BACnet/Lonworks/PIM

ON/OFF Controller

MRW-TA

MIM-D01AN

MIM-B17BN/B18BN/B16N

MCM-A202DN

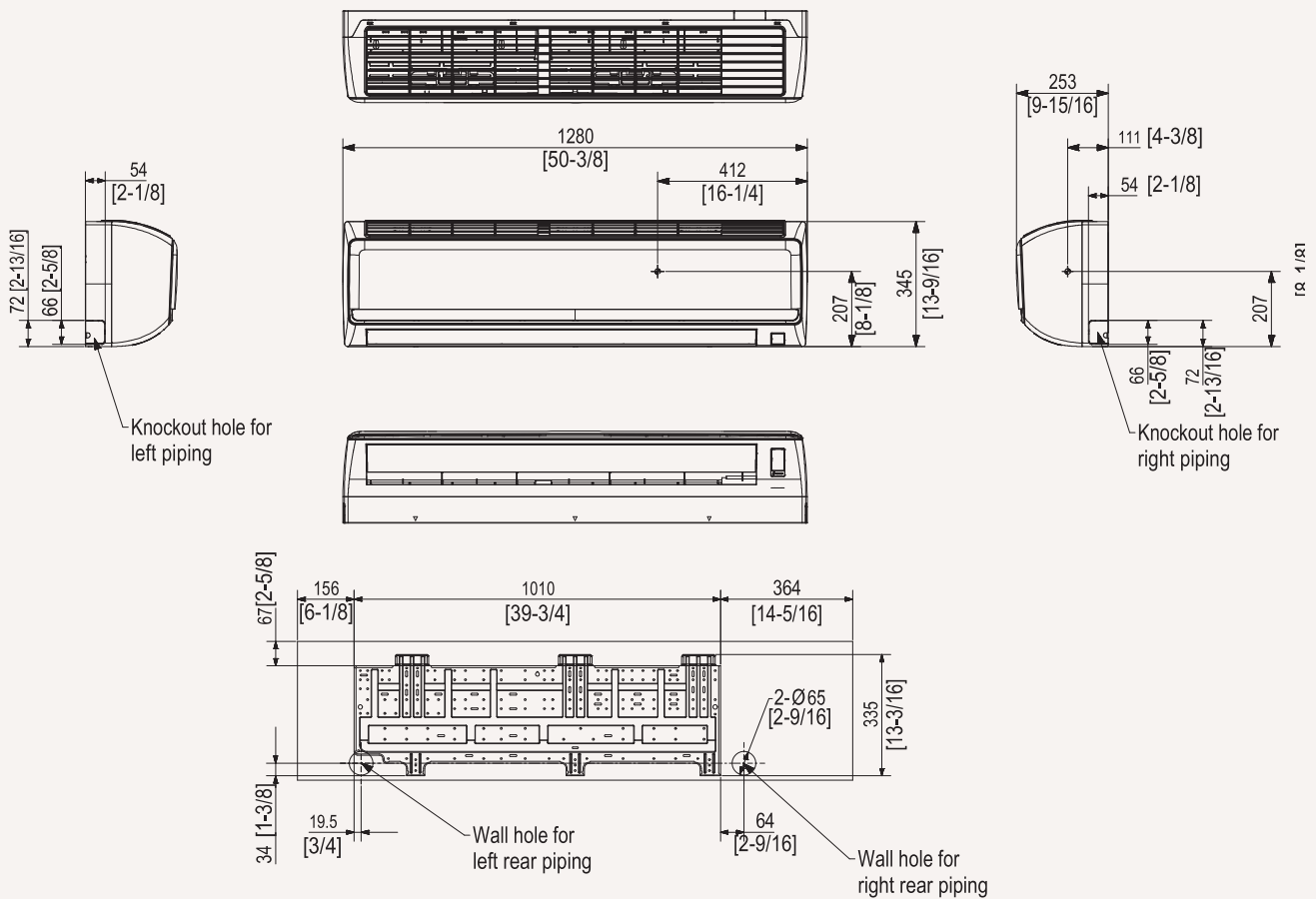
<sup>1</sup> Energy labels as shown are according to EU No 626/2011 (LOT10) label classification 2019, on a scale from D to A+++.

# Dimensional drawings

Max Wall-Mounted HEE

R32

AC100BNTPKG/EU



# Specifications

## Console R32

- SPI Ioniser (included).
- Slim design: only 199 mm in depth.
- Two separate air outlets are possible, upper (cooling or heating) and bottom (cooling and heating)

- Long-life washable permanent filter.
- Auto Restart function.



Indoor Unit			AC026RNJDKG/EU	AC035RNJDKG/EU	AC052RNJDKG/EU
Outdoor Unit - Mono-Phase			AC026RXADKG/EU	AC035RXADKG/EU	AC052RXADKG/EU
Outdoor Unit - Tri-Phase					
<b>Capacity</b>					
	Cooling (Min/Nominal/Max)	kW	1.0/2.6/3.4	1.0/2.6/3.4	1.9/5.0/5.5
	Heating @ +7 °C (Min/Nominal/Max)	kW	1.0/3.5/4.2	1.1/4.0/4.6	1.5/5.6/6.5
	Heating @ -5 °C	kW	3.4	3.9	5.5
	Heating @ -15 °C	kW	3.00	3.50	4.90
<b>Performance</b>					
Energy Efficiency Cooling	SEER <sup>1</sup>	W/W	6.4/ <span style="color: green;">A++</span>	6.1/ <span style="color: green;">A++</span>	5.9/ <span style="color: green;">A+</span>
	Power Consumption	kWh/a	142	201	297
	Pdesignc	kW	2.6	3.5	5.0
	EER	W/W	3.61	3.12	2.79
Energy Efficiency Heating	SCOP <sup>1</sup>	W/W	4.2/ <span style="color: green;">A+</span>	4.1/ <span style="color: green;">A+</span>	4.0/ <span style="color: green;">A+</span>
	Power Consumption	kWh/a	667	683	840
	Pdesignh (average)	kW	2.0	2.0	2.4
	COP <sup>1</sup>	W/W	3.30	3.07	3.01
Airflow Rate	Indoor Unit (H/M/L)	m <sup>3</sup> /min	7.5/6.8/6.0	8.5/7.2/6.2	9.4/8.4/7.4
Sound Power	Indoor Unit	dB(A)	53	55	60
	Outdoor Unit	dB(A)	59	61	62
Sound Pressure	Indoor Unit (H/M/L/Silent)	dB(A)	36/31/26/23	38/34/30/24	43/39/35/32
	Outdoor Unit (H/L)	dB(A)	47/46	48/48	48/48
Fan/Outdoor Unit	Type		Turbo	Turbo	Turbo
	Power	W	37	35	35
	Number of Fans	-	1	1	1
Operating Temperature Range	Cooling	°C	-15-46	-15-46	-15-50
	Heating	°C	-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
	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
	Outdoor Unit Tri-Phase	Φ, #, V, Hz	-	-	-
Compressor Type	Outdoor Unit	Type	Single BLDC	Single BLDC	Twin BLDC
	Power (Min/Nominal/Max)	Cooling	kW	0.23/0.72/1.20	0.25/1.12/1.50
	Heating	kW	0.21/1.06/1.45	0.21/1.30/1.80	0.25/1.86/2.50
Current Input	Cooling (Min/Std/Max)	A	1.6/3.6/5.5	1.6/5.5/7.5	2.6/8.0/10.0
	Heating (Min/Std/Max)	A	1.3/5.0/7.0	1.3/5.9/10.5	2.3/8.3/14.0
<b>Dimensions</b>					
Net Dimensions (W x H x D)	Indoor Unit	mm	720 x 199 x 620	720 x 199 x 620	720 x 199 x 620
	Outdoor Unit	mm	790 x 548 x 285	790 x 548 x 285	880 x 638 x 310
Net Weight	Indoor Unit	kg	16.0	16.0	16.0
	Outdoor Unit	kg	32.5	35.5	46.5
<b>Refrigerant</b>					
Refrigerant	Type		R32 (contains fluorinated greenhouse gases. GWP = 675)		
	Factory Charging	kg	0.9/20 m	0.9/20 m	1.2/10 m
	Charging Ton equivalent CO <sub>2</sub>	tCO <sub>2</sub> e	0.61	0.61	0.81
	Additional Refrigerant Charging	g/m	-	-	15
Piping Connections	Liquid Pipe	ø, inch	1/4	1/4	1/4
	Gas Pipe	ø, inch	3/8	3/8	1/2
Piping Length	Min/Max	m	3/20	3/20	3/30
Piping Height	Max	m	15	15	20
Piping Connections	Drain Pipe	ø, mm	ID 18	ID 18	ID 18

### Accessories



Wireless Remote Controller

AR-EH03E



Touch Controller

MWR-SH11N



Advanced Wired Controller

MWR-WG00JN/MWR-WG00KN



Wi-Fi Kit

MIM-H04EN



External Thermostat

MRW-TA

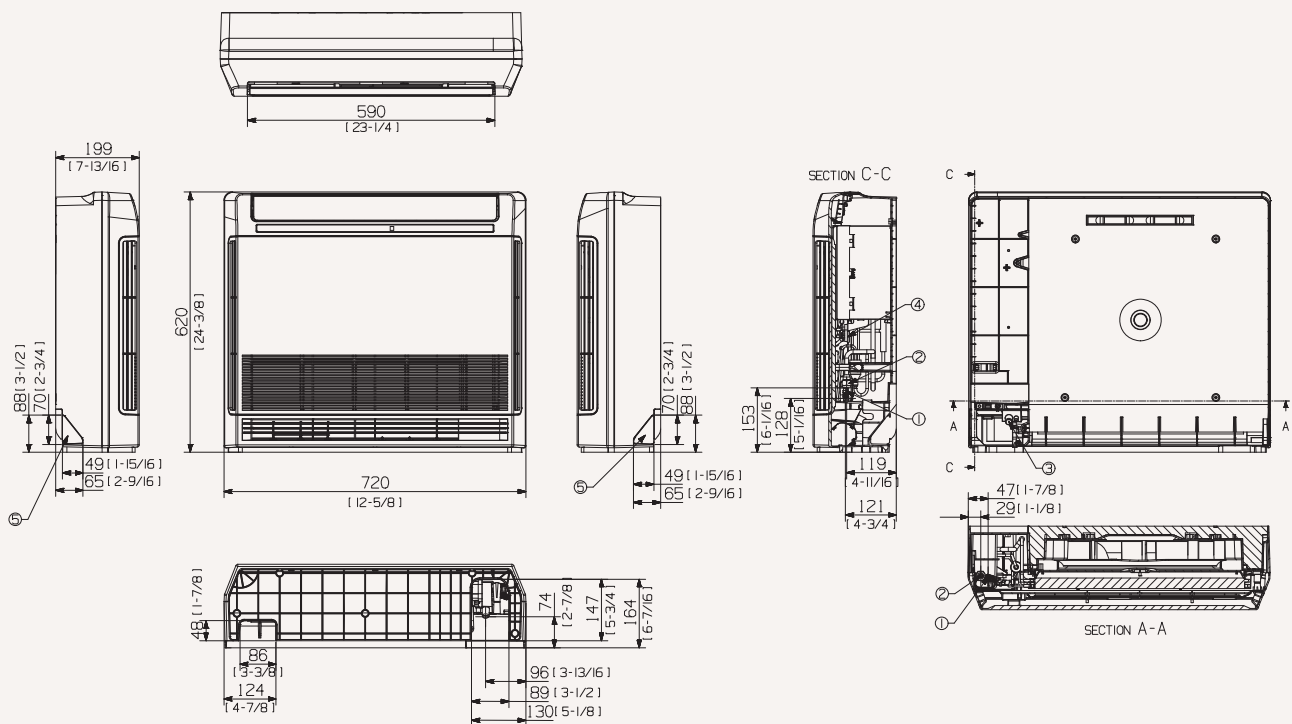
<sup>1</sup> Energy labels as shown are according to EU No 626/2011 (LOT10) label classification 2019, on a scale from D to A+++.



# Dimensional drawings

Console R32

AC026/035/052\*NJDK\*/EU



NO	Name	Description
		AC026/35RNJDKG/EU
		AC052RNJDKG/EU
1	Liquid piping	ø6.35 (1/4)
2	Gas piping	ø9.52 (3/8)      ø12.70 (1/2)
3	Condensation drain piping	ID 18 [11/16] Hose
4	Power supply/communication wiring conduits	
5	Condensation drain piping	

# Specifications

## Console HEE R32

- Slim design: only 199 mm in depth.
- Two separate air outlets, upper (cooling) and bottom (heating) to avoid stratification.
- Long-life washable permanent filter.
- Auto Restart function.

- Operation range from -25°C until 52°C
- 100% heating capacity at -15°C
- Base heater as standard
- Inverter PBA self-diagnosis



Indoor Unit			AC026BNJPKG/EU	AC035BNJPKG/EU
Outdoor Unit - Mono-Phase			AC026RXADKG/EU	AC035BXAPKG/EU
Outdoor Unit - Tri-Phase				
<b>Capacity</b>				
	Cooling (Min/Nominal/Max)	kW	0.78 / 2.60 / 4.10	0.89 / 3.50 / 4.90
	Heating up to +7 °C (Min/Nominal/Max)	kW	0.80 / 3.50 / 4.70	1.00 / 4.00 / 5.30
	Heating @ -5 °C	kW		
	Heating @ -15 °C	kW		
<b>Performance</b>				
Energy Efficiency Cooling	SEER <sup>1</sup>	W/W	6.4/ <span style="color: green;">A++</span>	6.1/ <span style="color: green;">A++</span>
	Power Consumption	kWh/a	142	161
	Pdesignc	kW	2.6	3.5
	EER	W/W	3.88	3.33
Energy Efficiency Heating	SCOP <sup>1</sup>	W/W	4.2/ <span style="color: green;">A+</span>	4.1/ <span style="color: green;">A+</span>
	Power Consumption	kWh/a	667	683
	Pdesignh (average)	kW	2.0	2.0
	COP <sup>1</sup>	W/W	3.33	3.13
Airflow Rate	Indoor Unit (H/M/L)	m <sup>3</sup> /min	7.5 / 6.8 / 6.0	8.5 / 7.2 / 6.2
Sound Power	Indoor Unit	dB(A)	53	55
	Outdoor Unit	dB(A)	59	61
Sound Pressure	Indoor Unit (H/M/L)	dB(A)	36/31/26/23	38/34/30/24
	Outdoor Unit (H/L)	dB(A)	45/45	46/46
Fan/Outdoor Unit	Type		BLDC	BLDC
	Power	W	125	125
	Number of Fans	-	1	1
Operating Temperature Range	Cooling	°C	-20-52	-20-52
	Heating	°C	-25.0-24.0	-25.0-24.0
<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
	Outdoor Unit Mono-Phase	Φ, #, V, Hz	1Φ, 2, 220-240 V, 50 Hz	1Φ, 2, 220-240 V, 50 Hz
	Outdoor Unit Tri-Phase	Φ, #, V, Hz	-	-
Compressor Type	Outdoor Unit	Type	Twin BLDC Rotary	Twin BLDC Rotary
Power (Min/Nominal/Max)	Cooling	kW	0.22 / 0.67 / 1.45	0.23 / 1.05 / 2.05
	Heating	kW	0.19 / 1.05 / 2.50	0.20 / 1.28 / 2.65
Current Input	Cooling (Min/Std/Max)	A	1.5 / 3.3 / 6.4	1.5 / 5.0 / 9.0
	Heating (Min/Std/Max)	A	1.3 / 4.9 / 11.0	1.3 / 5.9 / 11.8
<b>Dimensions</b>			<b>1.1 / 3.1 / 4.9</b>	
Net Dimensions (W x H x D)	Indoor Unit	mm	720 x 199 x 620	720 x 199 x 620
	Outdoor Unit	mm	880 x 638 x 310	880 x 638 x 310
Net Weight	Indoor Unit	kg	16	16
	Outdoor Unit	kg	43	43
<b>Refrigerant</b>				
Refrigerant	Type		R32 (contains fluorinated greenhouse gases. GWP = 675)	
	Factory Charging	kg	1.2/20 m	1.2/20 m
	Charging Ton Equivalent CO <sub>2</sub>	tCO <sub>2</sub> e	0.81	0.81
	Additional Refrigerant Charging	g/m	-	-
Piping Connections	Liquid Pipe	ø, inch	1/4	1/4
	Gas Pipe	ø, inch	3/8	3/8
Piping Length	Min/Max	m	5/30	5/30
Piping Height	Max	m	20	20
Piping Connections	Drain Pipe	ø, mm	ID 18	ID 18

### Accessories



#### Wireless Remote Controller

AR-EH04E



#### Touch Controller

MWR-SH11N



#### Advanced Wired Controller

MWR-WG00JN/MWR-WG00KN



#### Wi-Fi Kit

MIM-H04EN



#### External Thermostat

MRW-TA

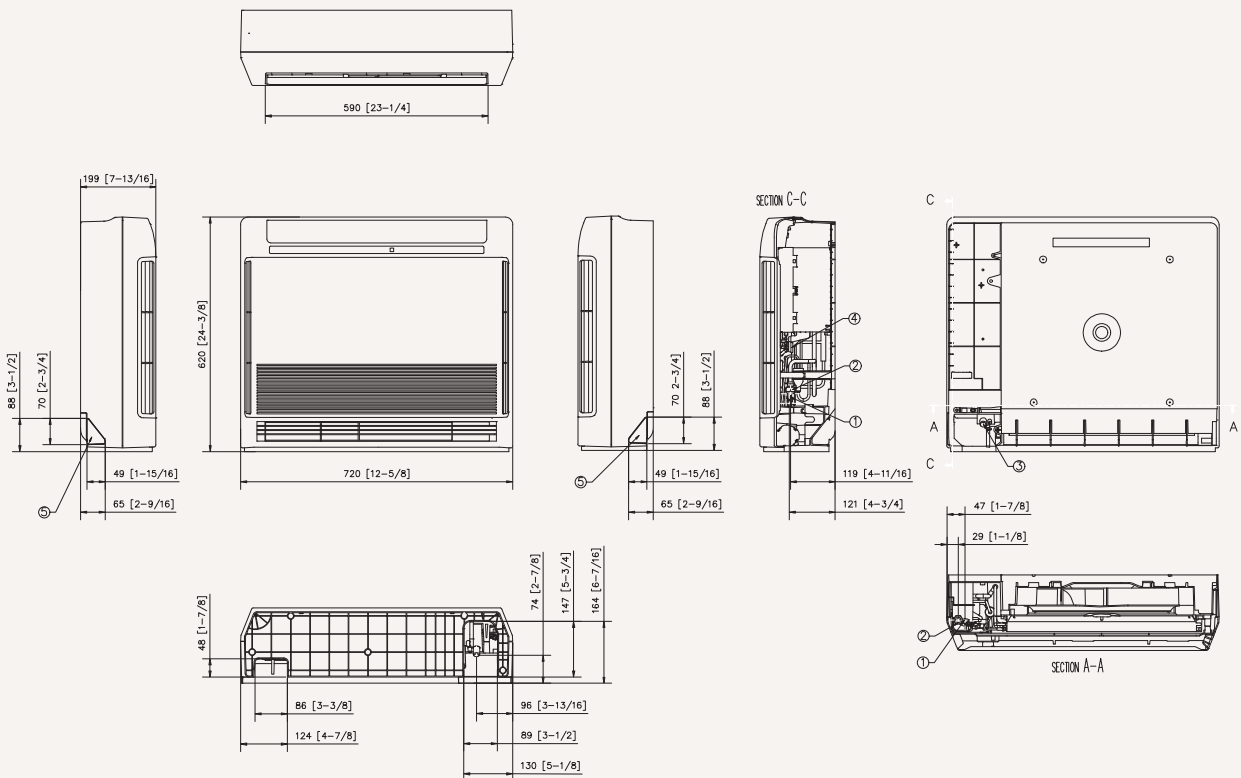
<sup>1</sup> Energy labels as shown are according to EU No 626/2011 (LOT10) label classification 2019, on a scale from D to A+++.

# Dimensional drawings

Console HEE

R32

AC026/035BNJPKG/EU



NO	Name	Description
		AC026BNJPKG/EU
		AC035BNJPKG/EU
1	Liquid pipe connection	ø6.35 (1/4)
2	Gas pipe connection	Ø9.52(3/8)
3	Drain pipe connection	ID18mm [11/16inch] Hose
4	Power supply & Communication wiring conduit	
5	Knockout hole for drain hose	

# Specifications

## Ceiling R32

- Horizontal installation.
- Air supply by means of one adjustable blade; blade angle between 4° and 45°.
- Long-life washable HD 40 permanent filter is included.



Indoor Unit			AC052RNC DKG/EU	AC071RNC DKG/EU
Outdoor Unit - Mono-Phase			AC052RXADKG/EU	AC071RXADKG/EU
Outdoor Unit - Tri-Phase				
<b>Capacity</b>				
	Cooling (Min/Nominal/Max)	kW	1.20/5.00/6.50	1.50/7.10/8.70
	Heating up to +7 °C (Min/Nominal/Max)	kW	1.70/6.00/7.70	1.90/8.00/9.00
	Heating @ -5 °C	kW	5.9	7.8
	Heating @ -15 °C	kW	5.20	7.00
<b>Performance</b>				
Energy Efficiency Cooling	SEER <sup>1</sup>	W/W	6.1/ <span style="color: green;">A++</span>	5.6/ <span style="color: green;">A+</span>
	Power Consumption	kWh/a	273	444
	Pdesignc	kW	5.0	7.1
	EER	W/W	3.05	2.42
Energy Efficiency Heating	SCOP <sup>1</sup>	W/W	3.9/ <span style="color: orange;">A</span>	3.9/ <span style="color: orange;">A</span>
	Power Consumption	kWh/a	862	1,256
	Pdesignh (average)	kW	2.4	3.5
	COP <sup>1</sup>	W/W	3.37	2.74
Airflow Rate	Indoor Unit (H/M/L)	m <sup>3</sup> /min	12.6/11.3/10.0	15.2/14.1/13.1
Sound Power	Indoor Unit	dB(A)	60	64
	Outdoor Unit	dB(A)	62	65
Sound Pressure	Indoor Unit (H/M/L)	dB(A)	41/39/36	46/44/42
	Outdoor Unit (H/L)	dB(A)	48/48	51/49
Fan/Outdoor Unit	Type		Sirocco	Sirocco
	Power	W	40	40
	Number of Fans	-	2	2
Operating Temperature Range	Cooling	°C	-15-50	-15-50
	Heating	°C	-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
	Outdoor Unit Mono-Phase	Φ, #, V, Hz	1Φ, 2, 220-240 V, 50 Hz	1Φ, 2, 220-240 V, 50 Hz
	Outdoor Unit Tri-Phase	Φ, #, V, Hz	-	-
Compressor Type	Outdoor Unit	Type	Twin BLDC	Twin BLDC
Power (Min/Nominal/Max)	Cooling	kW	0.48/1.58/1.90	0.35/2.87/3.60
	Heating	kW	0.43/1.92/3.05	0.35/3.05/3.95
Current Input	Cooling (Min/Std/Max)	A	2.8/7.2/9.0	2.0/12.4/16.0
	Heating (Min/Std/Max)	A	2.4/8.5/14.5	2.0/13.2/17.0
<b>Dimensions</b>				
Net Dimensions (W x H x D)	Indoor Unit	mm	1,000 x 200 x 650	1,000 x 200 x 650
	Outdoor Unit	mm	880 x 638 x 310	880 x 798 x 310
Net Weight	Indoor Unit	kg	20.0	20.0
	Outdoor Unit	kg	43.0	51.0
<b>Refrigerant</b>				
Refrigerant	Type		R32 (contains fluorinated greenhouse gases. GWP = 675)	
	Factory Charging	kg	1.2/10 m	1.7/15 m
	Charging Ton Equivalent CO <sub>2</sub>	tCO <sub>2</sub> e	0.81	1.15
	Additional Refrigerant Charging	g/m	15	25
Piping Connections	Liquid Pipe	ø, inch	1/4	1/4
	Gas Pipe	ø, inch	1/2	5/8
Piping Length	Min/Max	m	3/30	3/50
Piping Height	Max	m	20	30
Piping Connections	Drain Pipe	ø, mm	ID 18	ID 18

### Accessories



#### Wireless Remote Controller

AR-EH03E



#### Touch Controller

MWR-SH11N



#### Advanced Wired Controller

MWR-WG00JN/MWR-WG00KN



#### Wi-Fi Kit

MIM-H04EN



#### External Thermostat

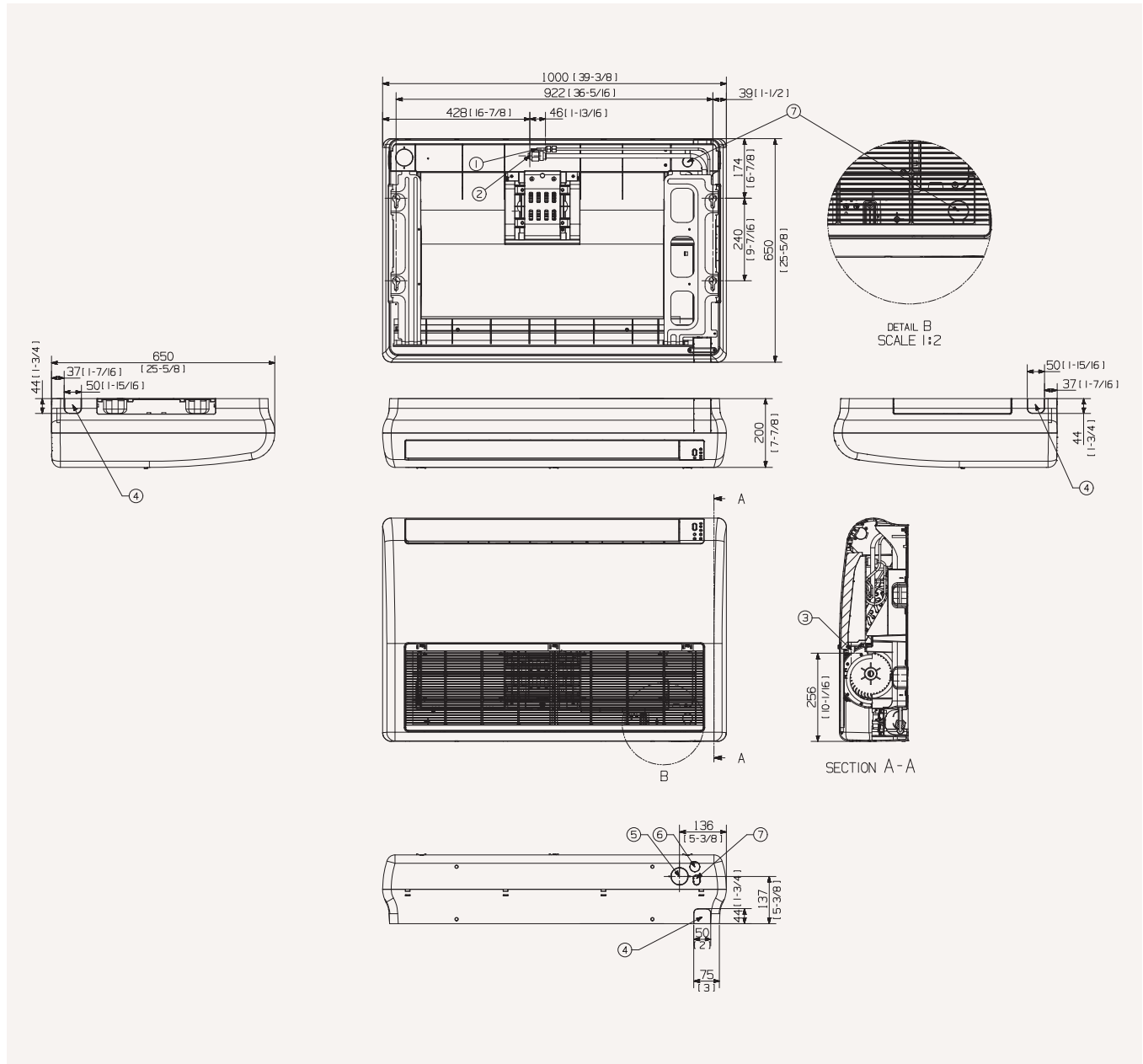
MRW-TA

<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

Ceiling R32

AC052/071\*NCDK\*/EU



NO	Name	Description	
		AC052RNCDKH/EU	AC071RNCDKH/EU
1	Liquid piping		ø6.35 (1/4)
2	Gas piping	ø12.70 (1/2)	ø15.88 (5/8)
3	Condensation drain piping		ID 18 [11/16] Hose
4	Piping connection		
5	Connection for external air		ø50 [2]
6	Connection of the condensation drain pipe		
7	Connection of the communication cables		



# Specifications

## Ceiling HEE R32

- Horizontal installation.
- Air supply by means of one adjustable blade; blade angle between 4° and 45°.
- Long-life washable HD 40 permanent filter is included.



Indoor Unit			AC052BNCPKG/EU	AC071BNCPKG/EU
Outdoor Unit - Mono-Phase			AC052BXAPKG/EU	AC071BXAPKG/EU
Outdoor Unit - Tri-Phase			AC071BXAPNG/EU	AC071BXAPNG/EU
<b>Capacity</b>				
	Cooling (Min/Nominal/Max)	kW	1.30 / 5.00 / 8.00	2.30 / 7.10 / 9.50
	Heating up to +7 °C (Min/Nominal/Max)	kW	1.30 / 6.00 / 10.00	1.80 / 8.00 / 10.50
	Heating @ -5 °C	kW		
	Heating @ -15 °C	kW		
<b>Performance</b>				
Energy Efficiency Cooling	SEER <sup>1</sup>	W/W	8.0/ <span style="color: green;">A++</span>	7.1/ <span style="color: green;">A++</span>
	Power Consumption	kWh/a	219	350
	Pdesignc	kW	5	7.1
	EER	W/W	4.42	3.78
Energy Efficiency Heating	SCOP <sup>1</sup>	W/W	4.8/ <span style="color: green;">A++</span>	4.4/ <span style="color: green;">A+</span>
	Power Consumption	kWh/a	1167	1495
	Pdesignh (average)	kW	4	4.7
	COP <sup>1</sup>	W/W	4.58	3.79
Airflow Rate	Indoor Unit (H/M/L)	m <sup>3</sup> /min	19.0 / 16.1 / 13.8	20.5 / 17.6 / 15.3
Sound Power	Indoor Unit	dB(A)	56	58
	Outdoor Unit	dB(A)	63	64
Sound Pressure	Indoor Unit (H/M/L)	dB(A)	41/39/36	46/44/42
	Outdoor Unit (H/L)	dB(A)	48/48	51/49
Fan/Outdoor Unit	Type		BLDC	BLDC
	Power	W	125	125
	Number of Fans	-	1	1
Operating Temperature Range	Cooling	°C	-20-52	-20-52
	Heating	°C	-25.0-24.0	-25.0-24.0
<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
	Outdoor Unit Mono-Phase	Φ, #, V, 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
Compressor Type	Outdoor Unit	Type	Twin BLDC Rotary	Twin BLDC Rotary
Power (Min/Nominal/Max)	Cooling	kW	0.26 / 1.13 / 2.50	0.47 / 1.88 / 3.10
	Heating	kW	0.23 / 1.31 / 3.40	0.36 / 2.11 / 4.30
Current Input	Cooling (Min/Std/Max)	A	1.7 / 5.3 / 11.0	2.5 / 8.8 / 13.8
	Heating (Min/Std/Max)	A	1.5 / 6.1 / 14.9	2.6 / 9.8 / 19.1
	Cooling - Tri-Phase (Min/Std/Max)	A		1.1 / 3.1 / 4.9
	Heating - Tri-Phase (Min/Std/Max)	A		0.8 / 3.5 / 6.7
<b>Dimensions</b>				
Net Dimensions (W x H x D)	Indoor Unit	mm	1,350 x 235 x 675	1,350 x 235 x 675
	Outdoor Unit	mm	880 x 798 x 310	940 x 998 x 330
Net Weight	Indoor Unit	kg	20.0	20.0
	Outdoor Unit	kg	50	75
<b>Refrigerant</b>				
Refrigerant	Type		R32 (contains fluorinated greenhouse gases. GWP = 675)	
	Factory Charging	kg	1.7/20 m	2.7/30 m
	Charging Ton Equivalent CO <sub>2</sub>	tCO <sub>2</sub> e	1.15	1.82
	Additional Refrigerant Charging	g/m		
Piping Connections	Liquid Pipe	ø, inch	1/4	3/8
	Gas Pipe	ø, inch	1/2	5/8
Piping Length	Min/Max	m	5 / 50	5 / 55
Piping Height	Max	m	30	30
Piping Connections	Drain Pipe	ø, mm	ID 18	ID 18

### Accessories



#### Wireless Remote Controller

AR-EH04E



#### Touch Controller

MWR-SH11N



#### Advanced Wired Controller

MWR-WG00JN/MWR-WG00KN



#### Wi-Fi Kit

MIM-H04EN



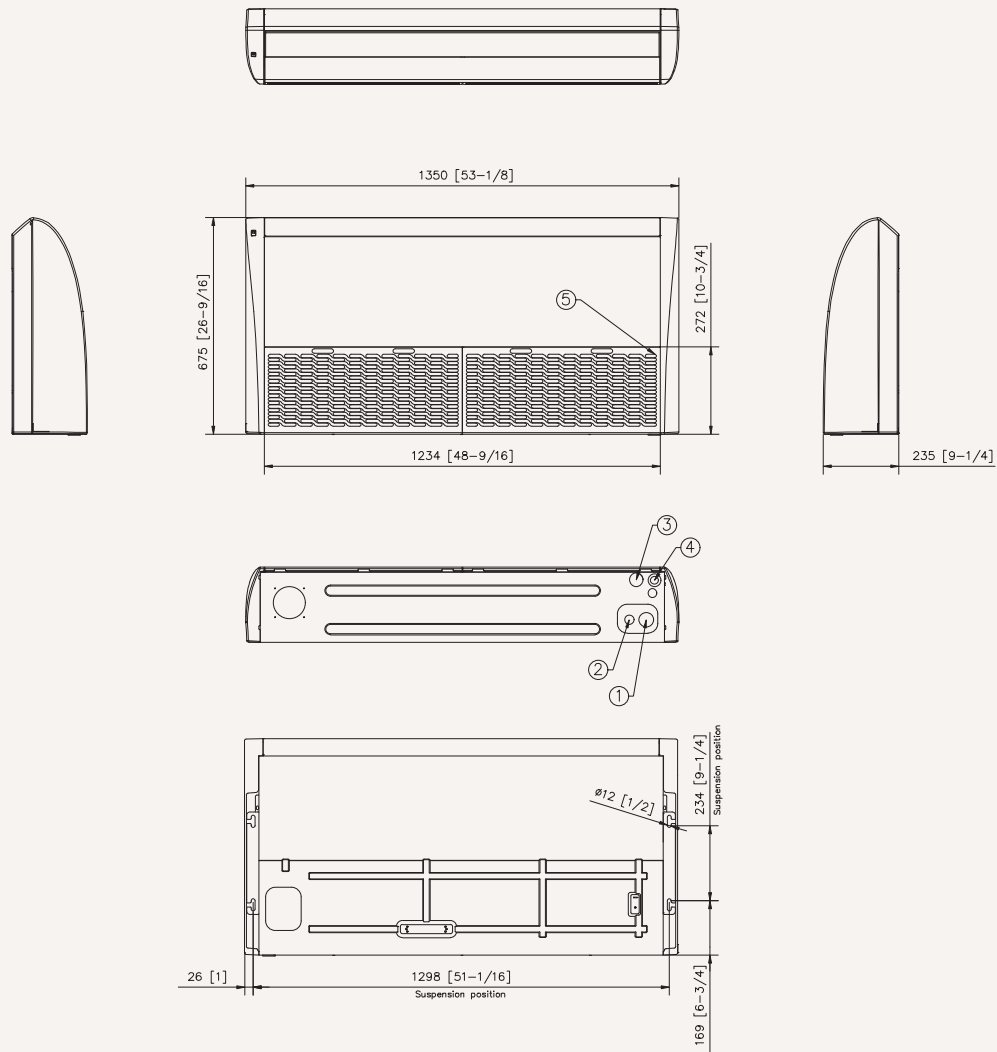
#### External Thermostat

MRW-TA

<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+++.

# Ceiling HEE R32

AC052/071BNCPKG/EU



NO	Name	Description
1	Gas pipe connection	$\varnothing 15.88(5/8)$
2	Liquid pipe connection	$\varnothing 6.35(1/4)$
3	Drain pipe connection	VP-25(OD32, ID25)
4	Power supply & Communication wiring conduit	$\varnothing 28(1-1/8)$
5	Knockout hole for Fresh air intake	-

# Specifications

## Big Ceiling R32

- Horizontal installation.
- Air supply by means of one adjustable blade; blade angle between 4° and 45°.
- Reduced noise thanks to the remotely controlled EEV.
- Long-life washable HD 40 permanent filter is included.



Indoor Unit		AC100RNC DKG/EU	AC120RNC DKG/EU	AC140RNC DKG/EU	
Outdoor Unit - Mono-Phase		AC100RXADKG/EU	AC120RXADKG/EU	AC140RXADKG/EU	
Outdoor Unit - Tri-Phase		AC100RXADNG/EU	AC120RXADNG/EU	AC140RXADNG/EU	
<b>Capacity</b>					
Cooling (Min/Nominal/Max)	kW	3.00/10.00/12.00	3.0/12.0/13.5	3.50/13.40/15.50	
Heating up to +7 °C (Min/Nominal/Max)	kW	3.0/12.0/13.5	3.0/12.0/13.5	3.50/15.50/18.00	
Heating @ -5 °C	kW	11.0	12.9	15.2	
Heating @ -15 °C	kW	9.7	11.5	13.5	
<b>Performance</b>					
Energy Efficiency Cooling	SEER <sup>1</sup>	W/W	6.1/ <span style="color: green;">A++</span>	5.9/ <span style="color: green;">A+</span>	6.1/ <span style="color: green;">A++</span>
	Power Consumption	kWh/a	574	-	-
	Pdesignc	kW	10.0	-	-
	EER	W/W	3.05	2.76	2.97
Energy Efficiency Heating	SCOP <sup>1</sup>	W/W	4.0/ <span style="color: green;">A+</span>	4.0/ <span style="color: green;">A+</span>	4.0/ <span style="color: green;">A+</span>
	Power Consumption	kWh/a	1,820	-	-
	Pdesignh (average)	kW	5.2	6.5	-
	COP <sup>1</sup>	W/W	3.44	3.44	3.41
Airflow Rate	Indoor Unit (H/M/L)	m <sup>3</sup> /min	26.0/23.0/19.0	26.0/23.0/19.0	30.0/24.0/20.0
Sound Power	Indoor Unit	dB(A)	60	62	64
	Outdoor Unit	dB(A)	69	70	69
Sound Pressure	Indoor Unit (H/M/L)	dB(A)	42/38/34	44/41/37	48/42/38
	Outdoor Unit (H/L)	dB(A)	54/52	56/54	54/53
Fan/Outdoor Unit	Type		Sirocco Unit	Sirocco	Sirocco
	Power	W	244	244	244
	Number of Fans	-	4	4	4
Operating Temperature Range	Cooling	°C	-15~50	-15~50	-15~50
	Heating	°C	-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
	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
	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
Power (Min/Nominal/Max)	Cooling	kW	0.60/3.28/4.70	0.90/4.35/5.30	0.80/4.50/6.45
	Heating	kW	0.46/3.25/5.40	0.70/3.83/5.60	0.70/4.54/7.36
Current Input	Cooling (Min/Std/Max)	A	3.0/14.6/20.4	5.1/19.1/24.0	3.7/19.7/28.0
	Heating (Min/Std/Max)	A	2.5/14.2/23.0	3.9/17.0/26.0	3.5/19.8/32.0
	Cooling - Tri-Phase (Min/Std/Max)	A	1.5/5.0/7.1	1.7/6.6/10.0	2.1/7.0/10.5
	Heating - Tri-Phase (Min/Std/Max)	A	1.2/5.1/8.4	1.5/6.2/12.0	1.9/7.0/12.0
<b>Dimensions</b>					
Net Dimensions (W x H x D)	Indoor Unit	mm	1,650 x 235 x 675	1,650 x 235 x 675	1,650 x 235 x 675
	Outdoor Unit	mm	940 x 998 x 330	940 x 998 x 330	940 x 1,210 x 330
Net Weight	Indoor Unit	kg	42.0	42.0	41.5
	Outdoor Unit	kg	75.0	81.0	91.5
<b>Refrigerant</b>					
Refrigerant	Type		R32 (contains fluorinated greenhouse gases. GWP = 675)		
Factory Charging	kg		2.7/30 m	2.7/30 m	2.9/30 m
Charging Ton equivalent CO <sub>2</sub>	tCO <sub>2</sub> e		1.82	1.82	1.96
Additional Refrigerant Charging	g/m		50	50	50
Piping Connections	Liquid Pipe	ø, inch	3/8	3/8	3/8
	Gas Pipe	ø, inch	5/8	5/8	5/8
Piping Length	Min/Max	m	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)

<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+++.

### Accessories



#### Wireless Remote Controller

AR-EH03E



#### Touch Controller

MWR-SH11N



#### Advanced Wired Controller

MWR-WG00JN/MWR-WG00KN



#### Wi-Fi Kit

MIM-H04EN



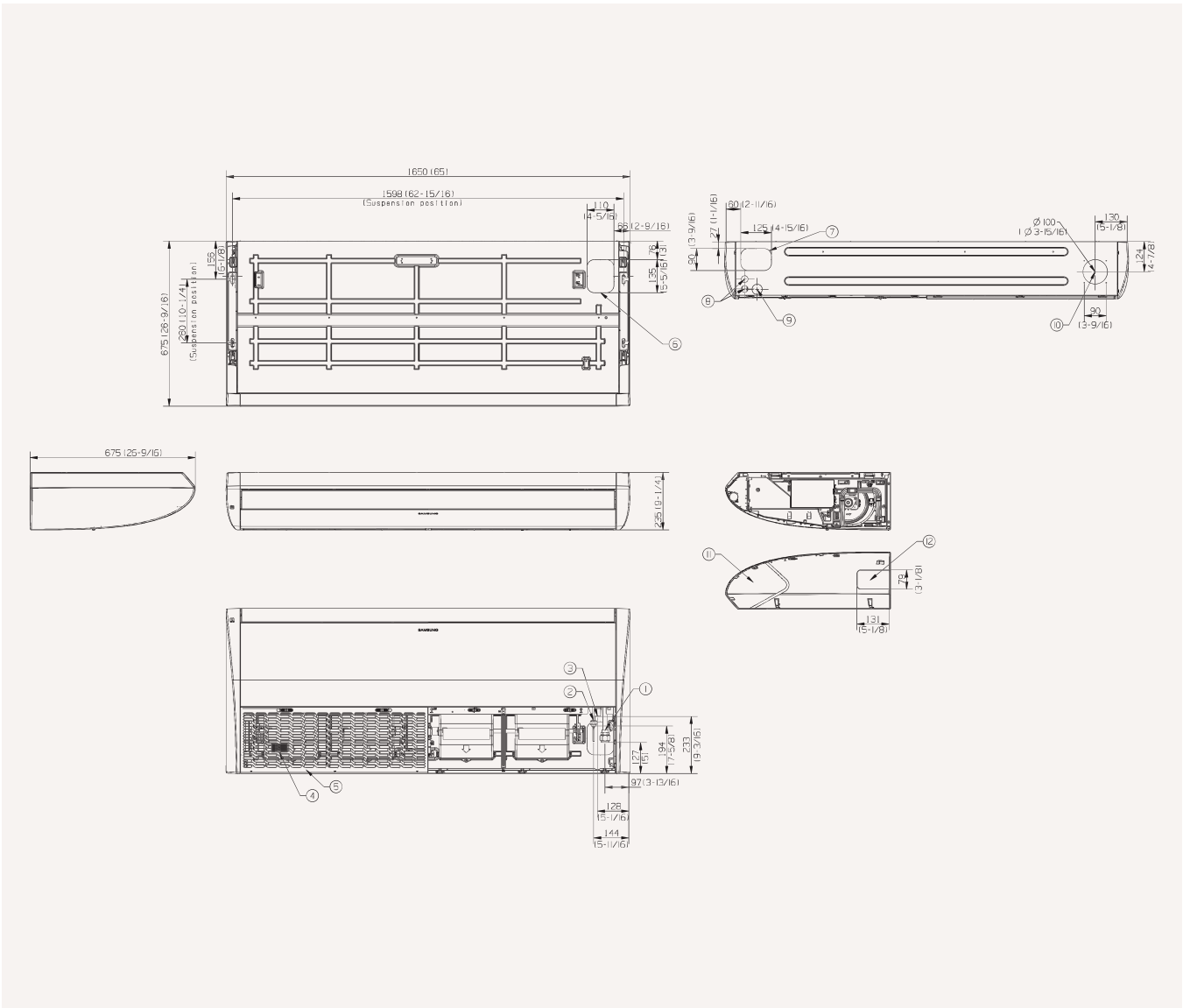
#### External Thermostat

MRW-TA

# Dimensional drawings

Big Ceiling R32

AC100/120/140\*NCDK\*/EU, AC160JNCDEH/EU



NO	Name	Description
1	Liquid pipe connection	ø9.52 (3/8)
2	Gas pipe connection	ø15.88 (5/8)
3	Drain pipe connection	VP25 (OD 32, ID 25)
4	Air Filter	
5	Air suction grille	
6	Knock-out hole for piping (upper)	
7	Knock-out hole for piping (rear)	ø28 [1 1/8]
8	Conduit Hole	ø42 [1 5/16]
9	Knock-out hole for drain hose	
10	Fresh air intake knock-out hole	
11	Cover side	
12	Knock-out hole for piping (side)	

# Specifications

## Floor-Standing (R410A)

- Three dimension cooling and heating
- 'Silent' operation (sound pressure at low fan speed: 30~32 dB(A)).
- Modern touch display panel for easy control
- Long-life washable high density filter.
- Auto Restart function.



Indoor Unit			AC100BNPKH/EU	AC140BNPKH/EU
Outdoor Unit - Mono-Phase			AC100BPKH/EU	-
Outdoor Unit - Tri-Phase			-	AC140BPKDNH/EU
<b>Capacity</b>				
	Cooling (Min/Nominal/Max)	kW	3.5/10.0/12.3	4.2/13.4/16.7
	Heating up to +7 °C (Min/Nominal/Max)	kW	4.2/11.2/14.0	4.0/15.5/20.0
	Heating @ -5 °C	kW	11.00	15.20
	Heating @ -15 °C	kW	9.60	13.5
<b>Performance</b>				
Energy Efficiency Cooling	SEER <sup>1</sup>	W/W	6.1	5.8
	Power Consumption	kWh/a	-	-
	Pdesignc	kW	10.0	13.4
	EER	W/W	2.86	3.1
Energy Efficiency Heating	SCOP <sup>1</sup>	W/W	4.2	4.0
	Power Consumption	kWh/a	1,810	-
	Pdesignh (average)	kW	5.3	-
	COP <sup>1</sup>	W/W	3.30	3.44
Airflow Rate	Indoor Unit (H/M/L)	m <sup>3</sup> /min	29.0/25.0/23.0	35.0/30.0/27.0
Sound Power	Indoor Unit	dB(A)	60	63
	Outdoor Unit	dB(A)	70	70
	Indoor Unit (H/M/L)	dB(A)	47/44/41	51/48/45
Sound Pressure	Outdoor Unit (H/L)	dB(A)	55/53	54/53
	Type		BLDC	BLDC
Fan/Outdoor Unit	Power	W	125	125
	Number of Fans	-	1	2
	Operating Temperature Range	°C	-15~50	-15~50
Operating Temperature Range	Heating	°C	-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
	Outdoor Unit Mono-Phase	Φ, #, V, Hz	1Φ, 2, 220~240 V, 50 Hz	3Φ, 4, 380~415 V, 50 Hz
	Outdoor Unit Tri-Phase	Φ, #, V, Hz	-	-
Compressor Type	Outdoor Unit	Type	Twin BLDC Rotary	Twin BLDC Rotary
Power (Min/Nominal/Max)	Cooling	kW	1.10/3.70/4.90	0.90/4.32/5.90
	Heating	kW	0.90/3.39/4.50	0.70/4.50/6.60
Current Input	Cooling (Min/Std/Max)	A	4.3/16.4/23.2	1.9/6.8/9.5
	Heating (Min/Std/Max)	A	4.1/14.9/20.5	1.4/6.7/10.7
<b>Dimensions</b>				
Net Dimensions (W x H x D)	Indoor Unit	mm	610 x 1,850 x 400	610 x 1,850 x 400
	Outdoor Unit	mm	940 x 998 x 330	940 x 1,210 x 330
Net Weight	Indoor Unit	kg	42.0	46.0
	Outdoor Unit	kg	72.0	85.0
<b>Refrigerant</b>				
Refrigerant	Type		R410A (contains fluorinated greenhouse gases. GWP = 2,088)	
Factory Charging		kg	3.0	3.5
	Charging Ton equivalent CO <sub>2</sub>	tCO <sub>2</sub> e	6.26	7.31
	Additional Refrigerant Charging	g/m	50	50
Piping Connections	Liquid Pipe	ø, inch	3/8	3/8
	Gas Pipe	ø, inch	5/8	5/8
Piping Length	Min/Max	m	50	75
Piping Height	Max	m	30	30
Piping Connections	Drain Pipe	ø, mm	VP18	VP18

### Accessories



External Thermostat

MRW-TA



On/Off controller

MIM-B14



Wi-Fi Kit

MIM-H04EN

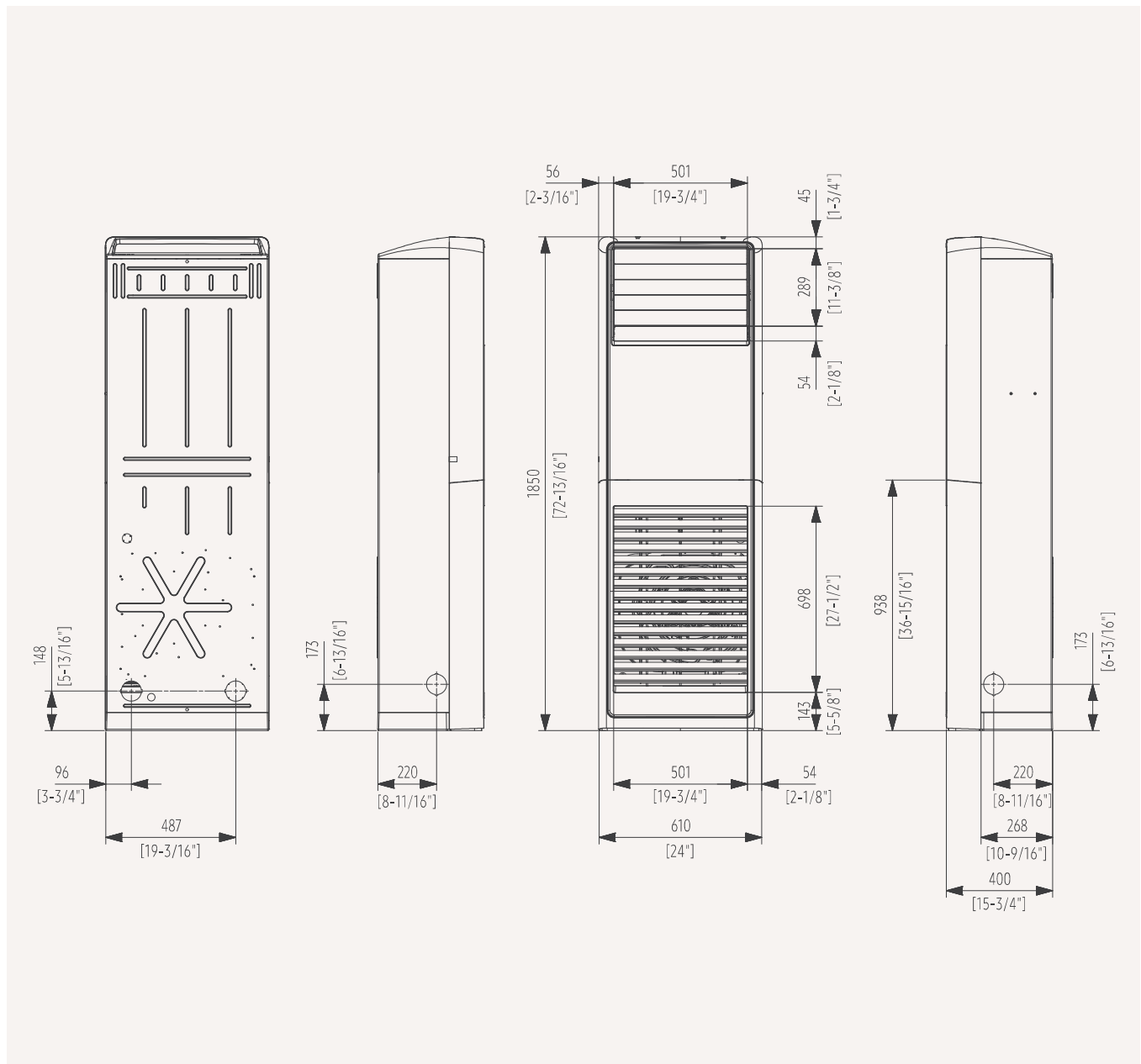
<sup>1</sup> Energy labels as shown are according to EU No 626/2011 (LOT10) label classification 2019, on a scale from D to A+++.



# Dimensional drawings

## Floor-Standing (R410A)

AC100/140BNPKH/EU

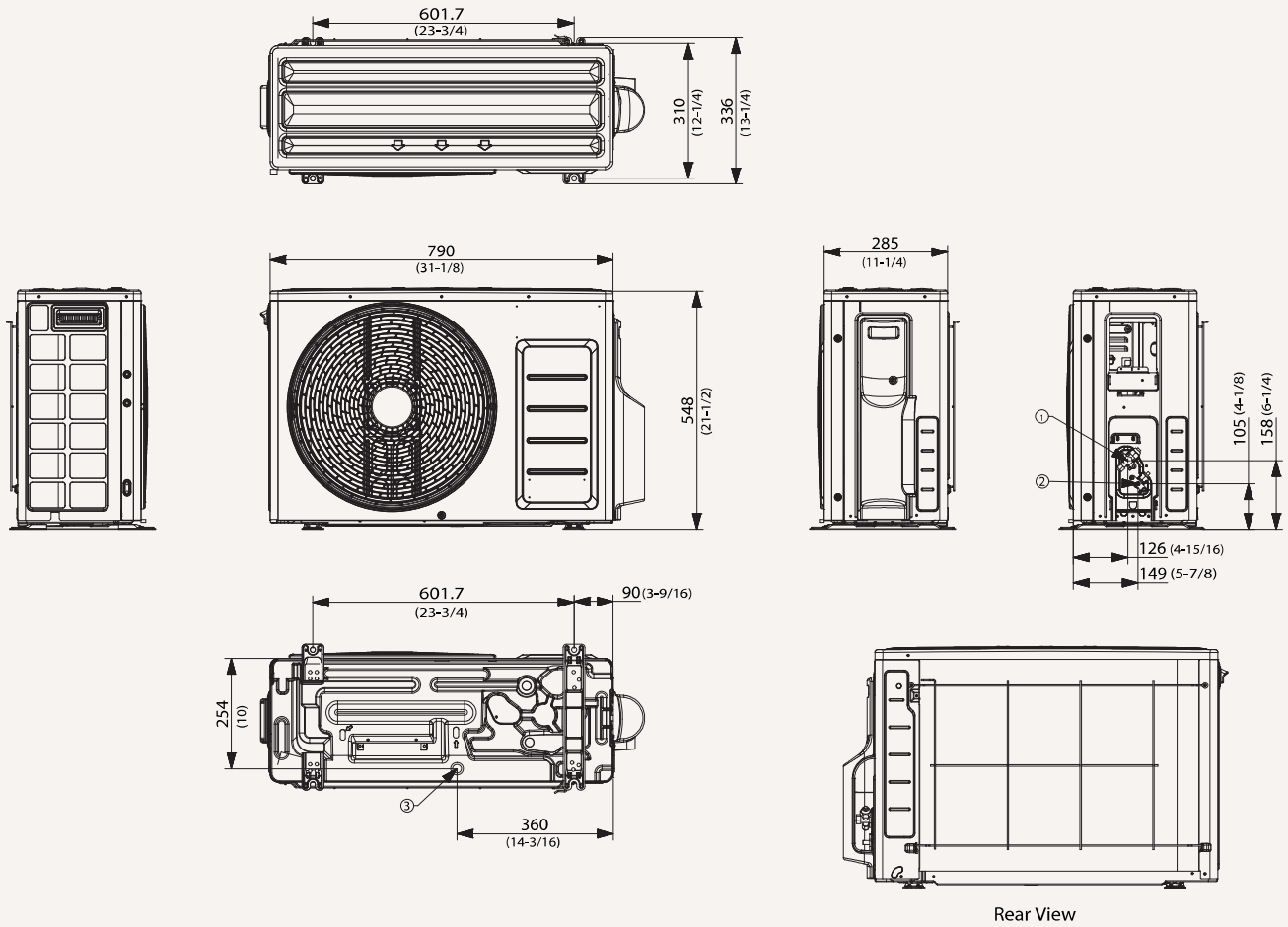


NO	Name	Description	
		AC100BNPKH/EU	AC140BNPKH/EU
1	Liquid pipe connection	9.52 (3/8")	9.52 (3/8")
2	Gas pipe connection	15.88 (5/8")	15.88 (5/8")
3	Drain pipe connection	-	-
4	Power supply & Communication wiring conduit	-	-

# Dimensional drawings

## Outdoor Units (2.6kW/3.5kW)

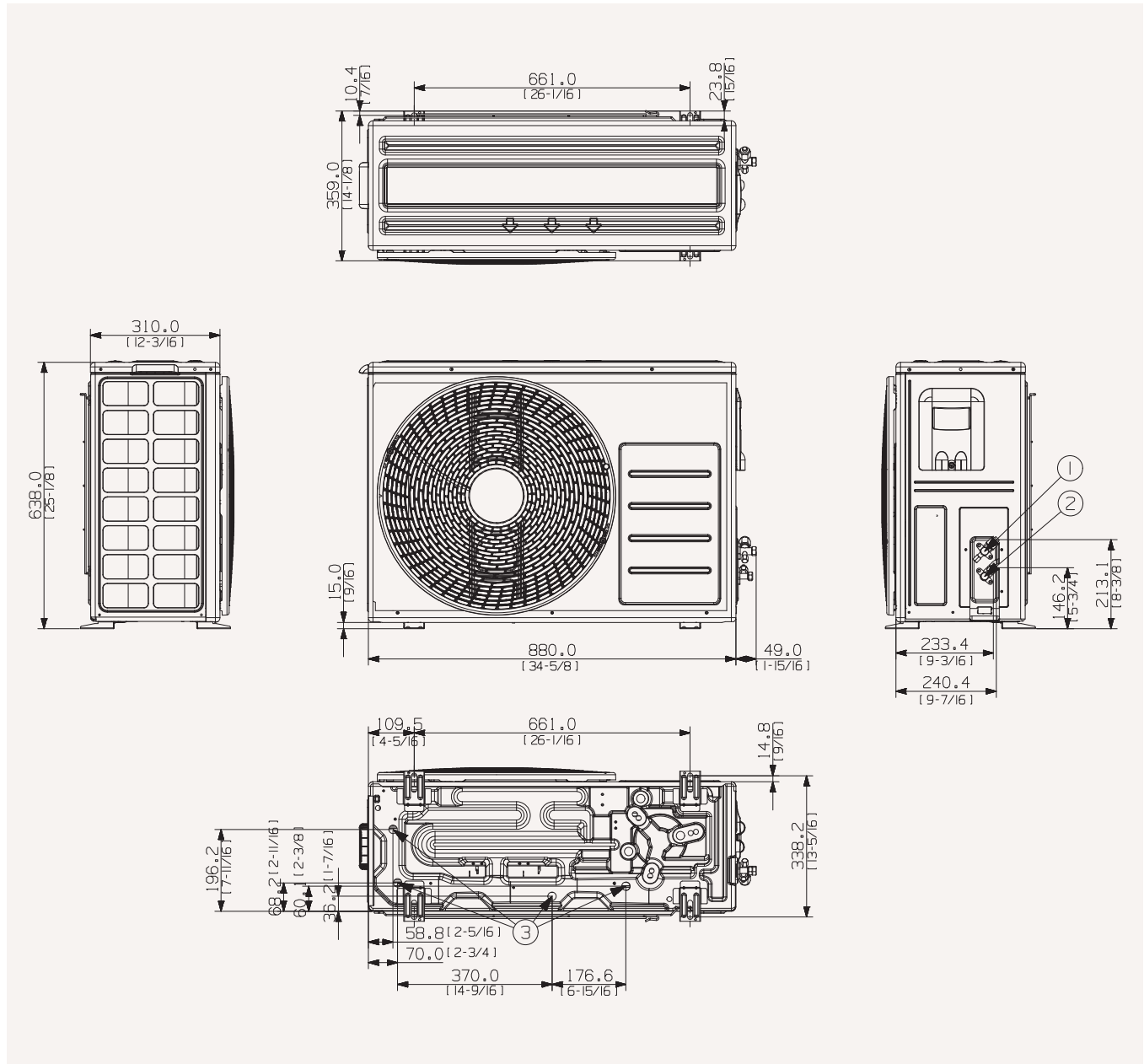
AC026/035RXADKG/EU



NO	Name	Description
1	Refrigerant gas pipe	ø9.52 (3/8)
2	Refrigerant liquid pipe	ø6.35 (1/4)
3	Drain hole	Connection with the provided drain plug.

## Outdoor Units (5.2kW)

AC052RXADKG/EU

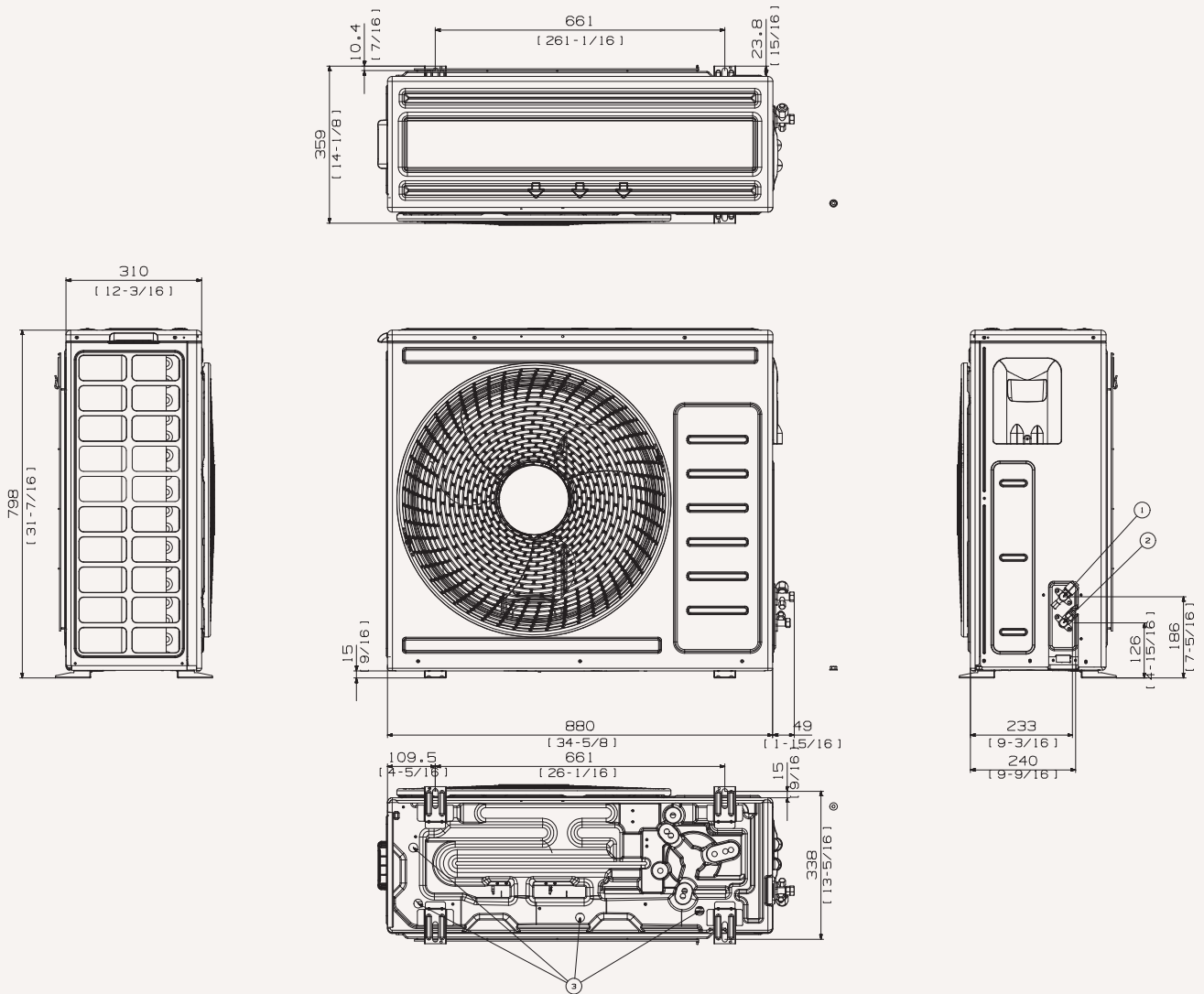


NO	Name	Description
1	Refrigerant gas pipe	ø12.70 (1/2)
2	Refrigerant liquid pipe	ø6.35 (1/4)
3	Drain hole	ø20

# Dimensional drawings

## Outdoor Units (7.1kW)

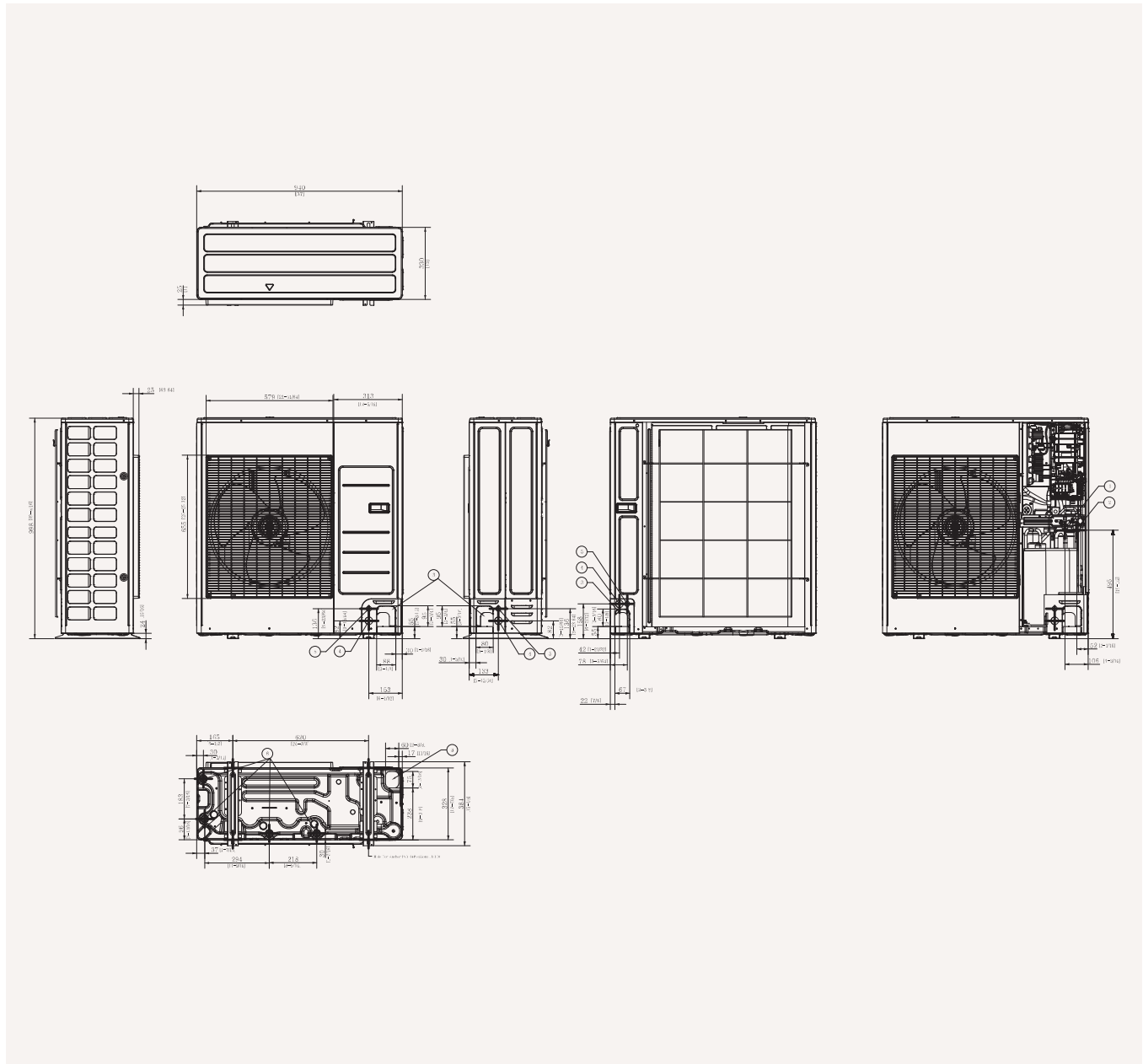
AC071RXADKG/EU



NO	Name	Description
1	Refrigerant gas pipe	ø15.88 (5/8)
2	Refrigerant liquid pipe	ø6.35 (1/4)
3	Drain hole	Connection with the provided drain plug.

## Outdoor Units (10kW/12kW)

AC100RXAD\*G/EU, AC120RXAD\*G/EU, AC100BXPDKH/EU

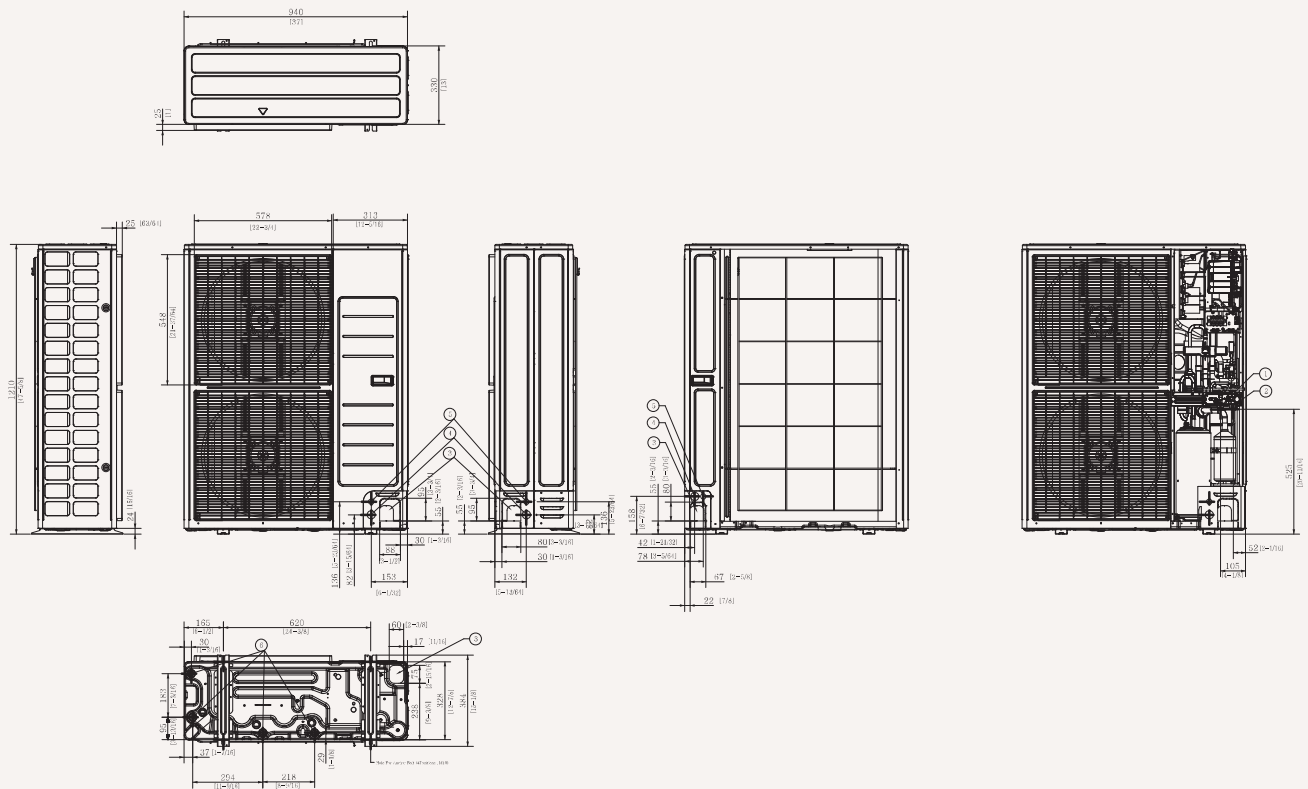


NO	Name	Description
1	Liquid pipe connection	ø9.52 (3/8)
2	Gas pipe connection	ø15.88 (5/8)
3	Piping intake knock-out hole	Front/Side/Rear/Bottom
4	Power wiring conduits	Front/Side/Rear, ø34 (ø1 3/8)
5	Communication wiring conduits	Front/Side/Rear, ø22 (ø7/8)
6	Drain hole	Connect with the provided drain plug.

# Dimensional drawings

## Outdoor Units (14kW)

AC140RXAD\*G/EU, AC140BXPDPNH/EU

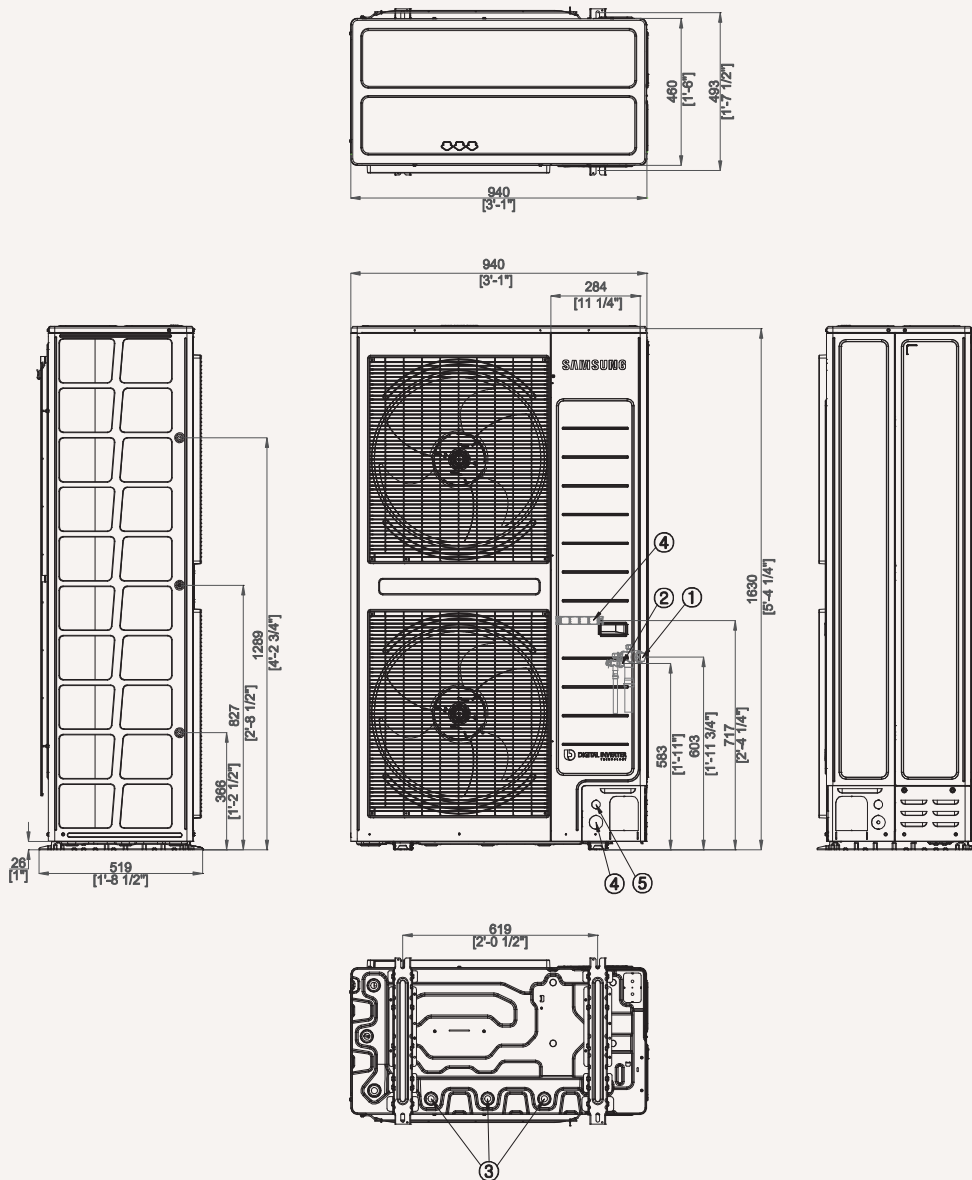


NO	Name	Description
1	Liquid pipe connection	ø9,52 (3/8)
2	Gas pipe connection	ø15,88 (5/8)
3	Piping intake knock-out hole	Front/Side/Rear/Bottom
4	Power wiring conduits	Front/Side/Rear, ø34 (ø1 3/8)
5	Communication wiring conduits	Front/Side/Rear, ø22 (ø7/8)
6	Drain hole	Connect with the provided drain plug.



## Outdoor Units (20kW/25kW)

AC200KXAPH/EU, AC250KXAPH/EU

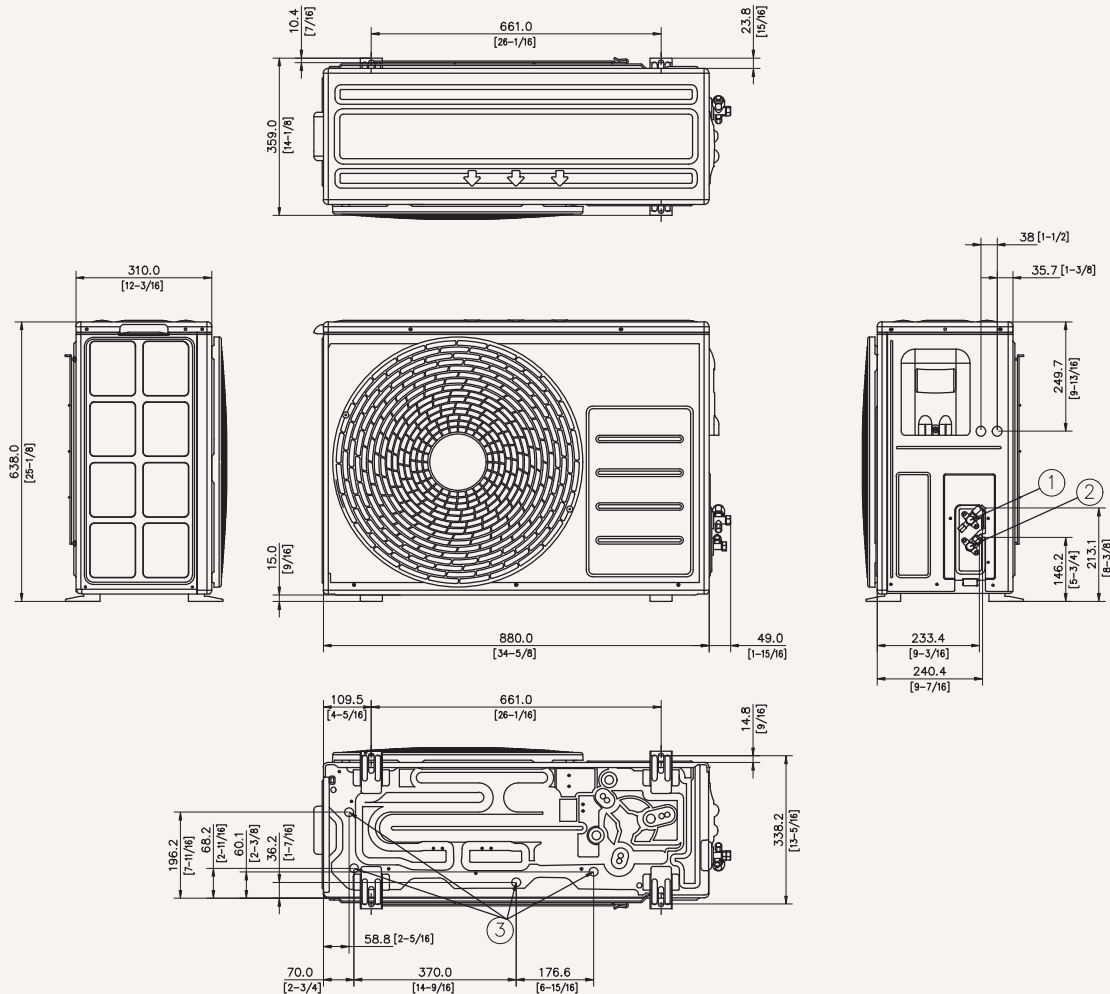


NO	Name
1	Refrigerant gas pipe
2	Refrigerant liquid pipe
3	Drain hole
4	Power wiring conduits
5	Communication wiring conduits

# Dimensional drawings

## Outdoor Units HEE (2.6kW/3.5kW)

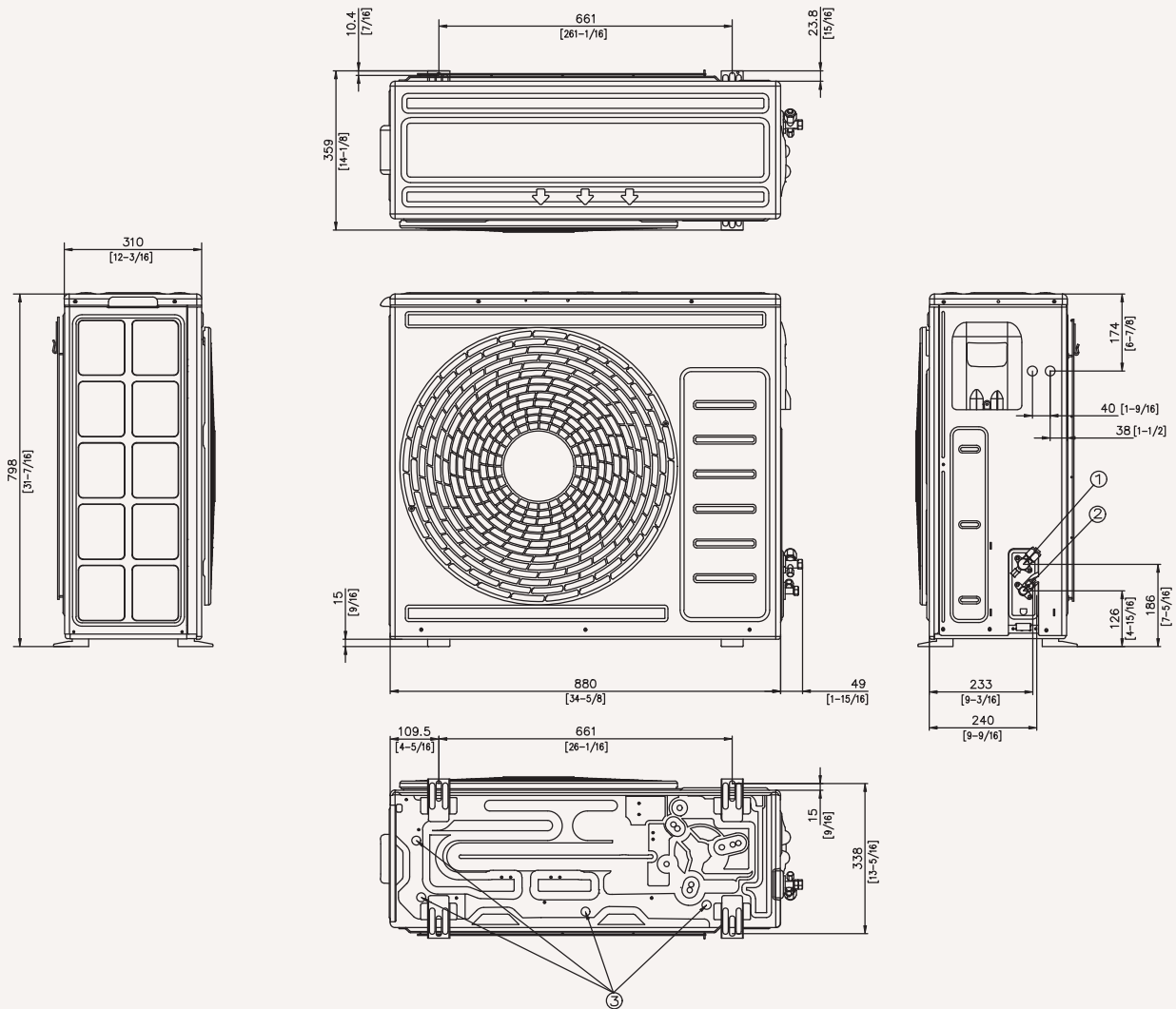
AC026/035BXAPKG/EU



NO	Name	Description
1	Refrigerant gas pipe	ø9.52 (3/8)
2	Refrigerant liquid pipe	Φ6.35 (1/4)
3	Drain Hole	Φ20

## Outdoor Units HEE (5.2kW/6.0kW)

AC052BXAPKG/EU

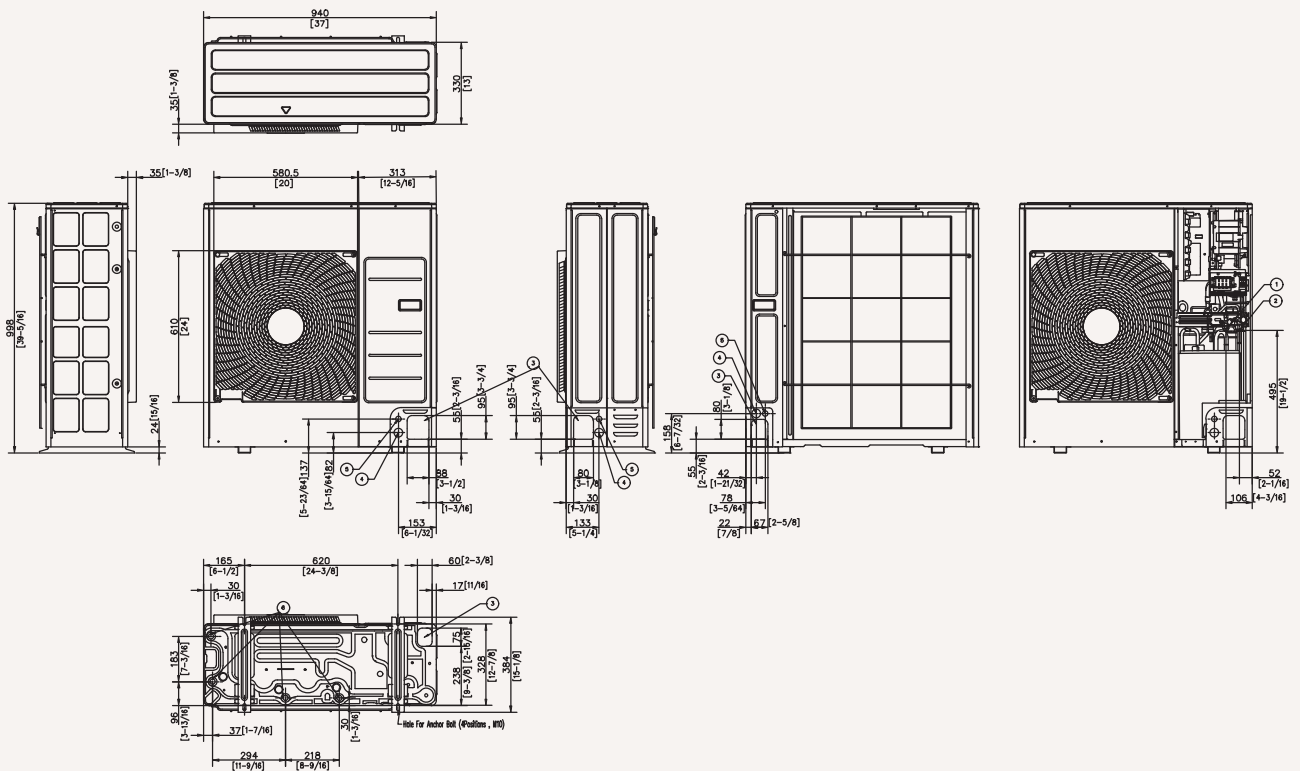


NO	Name	Description
1	Refrigerant gas pipe	Φ12.7 (1/2)
2	Refrigerant liquid pipe	Φ6.35 (1/4)
3	Drain Hole	Connection with the provided drain plug.

# Dimensional drawings

## Outdoor Units HEE (7.1kW)

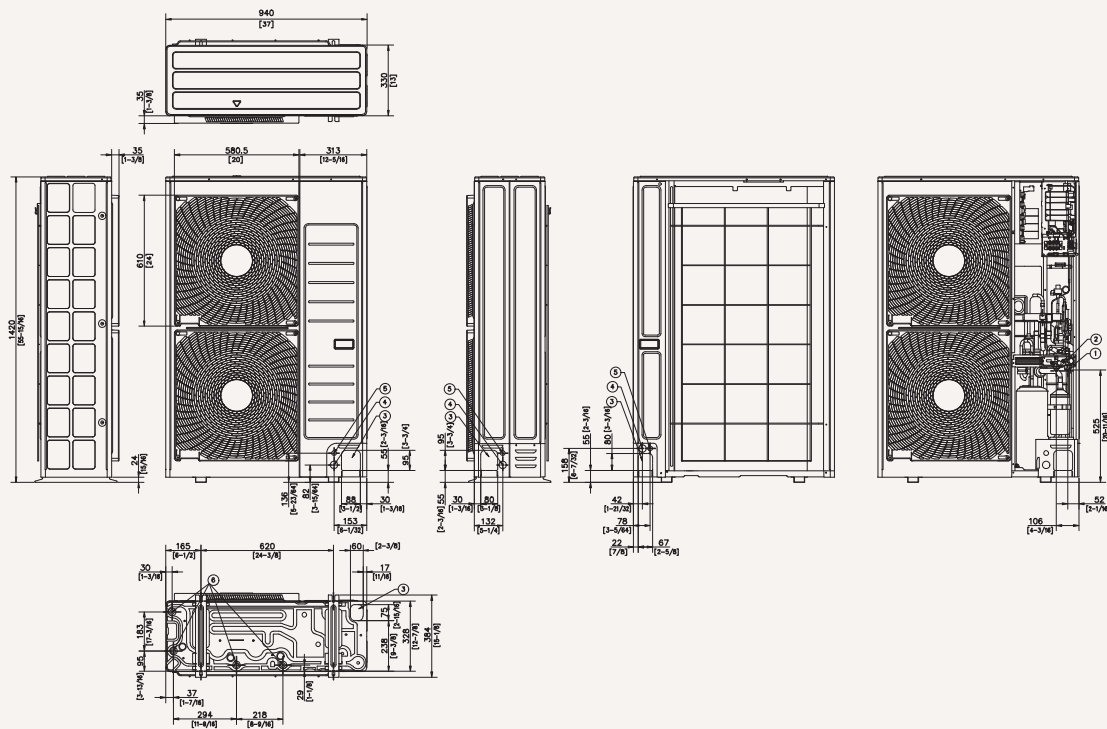
AC071BXAPKG/EU, AC071BXAPNG



NO	Name	Description
1	Liquid pipe connection	ø9.52 (3/8)
2	Gas pipe connection	ø15.88 (5/8)
3	Piping intake knockout hole	Front/Side/Rear/Bottom
4	Power wiring conduit	Front/Side/Rear, ø34 (1-3/8)
5	Communication wiring conduit	Front/Side/Rear, ø22 (7/8)
6	Drain hole	Connect with the provided drain plug.

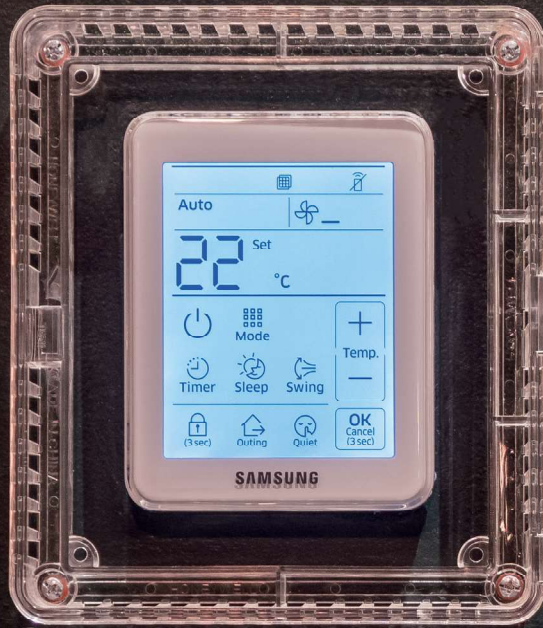
# Outdoor Units HEE (10/12/14kW)

AC100BXAPKG/EU, AC100/120/140BXAPNG/EU



NO	Name	Description
1	Liquid pipe connection	ø9.52 (3/8)
2	Gas pipe connection	ø15.88 (5/8)
3	Piping intake knockout hole	Front/Side/Rear/Bottom
4	Power wiring conduit	Front/Side/Rear, ø34 (1-3/8)
5	Communication wiring conduit	Front/Side/Rear, ø22 (7/8)
6	Drain hole	Connect with the provided drain plug.





# Controls






























# Line-up

	Product	Model	Image	Matchable Products
Individual Control System	SolarCell Remote Controller	Included with RAC order		RAC WindFree™ Pure RAC WindFree™ Elite
	Wireless Remote Controller	AR-EH03M AR-EH03E AR-EH04E		DVM, FJM, CAC
	Wireless Remote Controller	AR-KH03E AR-KH04E		CAC, DVM *only for 360 Cassette
	Advanced Wired Controller	MWR-WG00JN MWR-WG00KN		FJM, CAC, DVM, RAC, ERV
	Simple Type Controller	MWR-SH00N		FJM, CAC, DVM, RAC
	Touch Type Controller	MWR-SH11N		FJM, CAC, DVM, RAC + WindFree™ function
	ERV Wired Remote Controller	MWR-VH12N		ERV
	Wireless Receiver Kit	MRK-A10N		FJM, CAC, DVM (only duct models)
Centralised Control System	ON/OFF Controller	MCM-A202DN		DVM, FJM, CAC, ERV Plus, EHS Split/Mono
	Touch Centralised Controller	MCM-A300N		DVM, FJM, CAC, ERV Plus, EHS Split/Mono
	Wi-Fi Kit 2.0	MIM-H04EN		All
	Single Wi-Fi kit	MIM-H14EN		CAC HEE Cassette (WindFree™ 4 Way, WindFree™ 4 Way 600x600, 360 Cassette)
	Module Controller	MCM-A00N		
Integrated Management System	DMS2.5	MIM-D01AN		DVM, FJM, CAC
	S-NET3	MST-P3P		
	b.IoT Lite Software	MST-BL1A		

	Product	Model	Image	Matchable Products
Gateway System	BACnet Gateway	MIM-B17BN		DVM, FJM, CAC, ERV Plus, EHS Split/Mono
	LonWorks Gateway	MIM-B18BN		DVM, FJM, CAC, ERV Plus, EHS Split/Mono
	External Contact Interface Module	MIM-B14		DVM, RAC, FJM, CAC
	Modbus Interface Module	MIM-B19N		DVM, FJM, CAC, EHS
	PIM (Pulse Interface Module)	MIM-B16N		DVM, FJM, CAC, ERV Plus, EHS Split/Mono
	Interface Module (Converter RS485 to NASA)	MIM-N01		FJM, CAC, EHS
	ERV Interface Module (Converter RS485 to NASA)	MIM-N10		ERV (with RS485 protocol)
	FCU Interface Module	MIM-F10N		Chiller
Installation/ Test Run Solution	S-Converter	MIM-C02N		
Others	External Room Sensor	MRW-TA		DVM, FJM, CAC
	Operation Mode Selection Switch	MCM-C200		
	MTFC (Multi-Tenant Function Controller)	MCM-C210N		
	Wired Remote Controller Interface	MIM-A00N		RAC, FJM
	Centralized Controller Interface (R1/R2)	MIM-R10N		RAC

# Features and Dimensional drawings

## Individual Control System

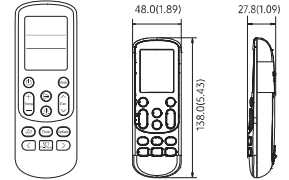
### Wireless Remote Controller SolarCell Remote Controller

- WindFree™ cooling function
- Operation ON/OFF control
- Fan speed control
- Operation temperature setting
- Filter replacement alarm reset
- Air swing control
- Simple ON/OFF timer
- Indoor unit option code setting
- Option/Setting selection
- 0.95 inch OLED display
- Charging via SolarCell & USB-C type
- Net dimensions (W x H x D): 35 x 160 x 13mm



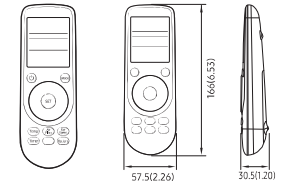
### Wireless Remote Controller AR-EH03E / AR-EH03M / AR-EH04E

- Operation ON/OFF control
- Fan speed control
- Operation temperature setting
- WindFree™ cooling function
- Filter replacement alarm reset
- Air swing control
- Simple ON/OFF timer
- Indoor unit option code setting
- Option/Setting selection



### Wireless Remote Controller AR-KH03E / AR-KH04E

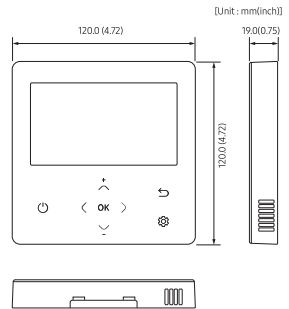
- 360 Cassette airflow direction control
- Operation ON/OFF control
- Fan speed control
- Operation temperature setting
- Filter replacement alarm reset
- Simple ON/OFF timer
- Indoor unit option code setting



### Advanced Wired Remote Controller MWR-WG00JN & MWR-WG00KN

Samsung introduced New Advance Wired Remote Controller, with a full color display and intuitive UI (User Interface), to enhance the user convenience of the air conditioner.

- Enhanced User Experience-Intuitive UI, Full Color Display (4.3"), Easy to use display
- Enhanced Energy Monitoring
  - Power Consumption, Weekly/Monthly/Yearly Energy Usage Tracking
- New Sleek Design
  - Simple and glossy, suitable for most demanding interior architectures
- Convenient & Comfort Control -Easy access to menus, WindFree™, Dual Set
- IR Receiver & Temperature Sensor are included
- Different Languages
- SD card connection for language extension

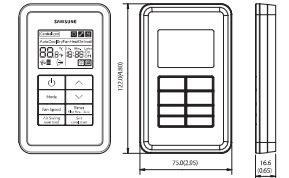


### Air conditioner/ERV control

- AC operation ON/OFF control
- AC operation mode, setting temperature, fan speed, WindFree™, airflow direction Setting
- AC Weekly schedule
- AC Setback
- AC Indicator for lock, Filter reset, clean, defrost, central control, weekly schedule discharge temperature
- Other AC modes settings Quiet, Sleep, Long wind, Purify, Air Quality, energy saving
- AC/ERV Energy usage/consumption monitoring
- AC/ERV error monitoring
- ERV operation ON/OFF control
- ERV operation mode, fan speed, Quiet, By-pass, Heat-EX and Away setting
- ERV indicator for lock, Filter reset, defrost, central control and Range hood
- Other ERV modes settings Clean up, E-Saver, Schedule
- Available Languages:
  - MWR-WG00JN: English, French, Spanish, Portuguese, Dutch, German
  - MWR-WG00KN: English, Italian, Greek, Czech, Slovak, Polish

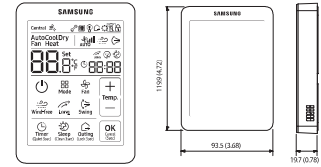
### Simple Type MWR-SH00N

- Simplified wired remote controller
- AC operation ON/OFF control
- Fan speed control
- Setting operation mode and temperature
- Reset filter cleaning alert indicator
- Adjust airflow direction
- Operation ON/OFF timer function



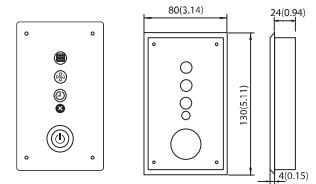
**Touch Controller**  
**MWR-SH11N**

- Bigger Display: clear & bright backlight screen with big fonts
- WindFree button: control WindFree function with just one click
- Room temperature monitor and room temperature display thanks to the built-in temperature sensor
- Icon/Function Lock: option of restricting icon/function on the display
- Sleep Mode: help users to sleep better by controlling temperature
- Outing Feature: keep room temperature above/below specific set value when the user is out of the room



**Wireless Receiver Kit**  
**MRK-A10N**

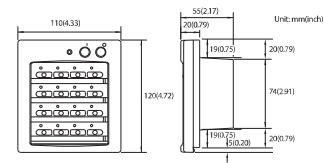
- Concealed wireless signal receiver
- Filter replacement sign
- Fan operation display
- Operation Timer setting display
- Operation ON/OFF button
- Operation On display LED (blue)
- Defrost operation display LED (red)



**Centralised Control System**

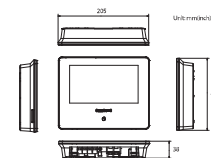
**ON/OFF Controller**  
**MCM-A202DN**

- Maximum 16-group controller (Max. 128 units)
- Whole/Group/Individual indoor unit control (ON/OFF)
- Restriction on the use of wireless/wired remote controllers and external contact control
- Cooling and heating mode control
- Indoor unit error display



**Touch Centralised Controller**  
**MCM-A300N**

- 7-inch touch LCD controller
- Controls a maximum of 128 indoor units
- Controls a maximum of 12 zones
- Schedule control, Indoor unit usage restriction, View indoor unit error history



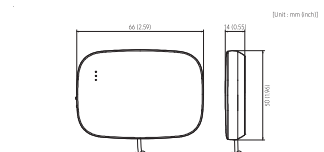
**Wi-Fi Kit 2.0**  
**MIM-H04EN**

- Enhanced Convenience
- Voice Control available through a smartphone with Bixby
- Connected home with affordable units in every home using SmartThings
- Welcome cooling and heating based on Geo-fencing
- Individual indoor unit control
- Personalized Climate Environment
- Preferred automation
- Multi-device experience interoperable with smart appliances
- Energy Usage Monitoring
- Current and daily, weekly or monthly energy usage\* of the outdoor unit
- Provides ease of installation
- Easy set-up possible for up to 16 indoor units at once
- Net dimensions (W x H x D): 185 x 130 x 29mm



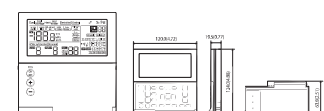
**Single Wi-Fi Kit**  
**MIM-H14EN**

- Single unit control and monitoring
- Control through SmartThings
- Weekly schedule setting



**Module Controller**  
**MCM-A00N**

- DVM CHILLER ON/OFF control (Module/Group)
- Operation mode, water outlet temperature setting
- Optional operation setting
- Module/Group setting
- Weekly operation schedule setting

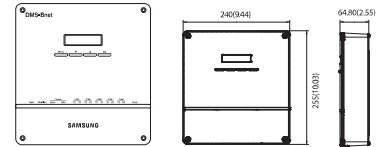


Gateway System

**BACnet Gateway  
MIM-B17BN**

With the BMS control and monitoring function, BACnet gateway makes it easy to control the air conditioning network in various ways. BACnet gateway can control up to 256 indoor units, used in combination with S-NET 3.

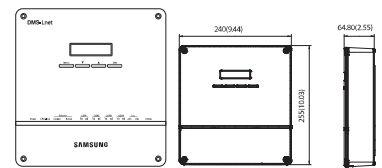
- Interface for BACnet management system
- Maximum of 256 indoor units plus ERVs, supported by a maximum of 80 interface modules
- Includes DMS 2.5 functions



**LonWorks Gateway  
MIM-B18BN**

LonWorks gateway is an interface for Lon-Connection to the LonWorks management system, providing you with a more convenient way to manage your air conditioning system. It can control a maximum of 128 indoor units, used in combination with S-NET 3.

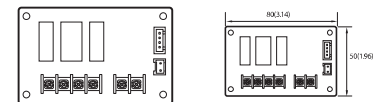
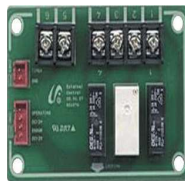
- Exclusive use for DMS 2.5 power distribution
- Connection with up to eight watt-hour meters
- Pulse interface with watt-hour meters
- Watt-hour meter - by third party



**External Contact Interface Module  
MIM-B14**

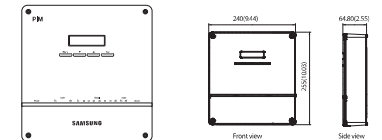
Samsung Guestroom Management System saves users the energy and money wasted on cooling an unoccupied room. The air conditioner is activated when the Key-Tag is in place and turns off when the Key-Tag is removed. An external contact interface module provides direct indoor unit control via an external contact signal, as well as window-synchronised indoor unit control. The emergency control function features simple contact input. The module also generates indoor unit operation/error state output through relay contacts.

- Direct indoor unit control by external contact signal
- Window-synchronised indoor unit control
- Emergency control with simple contact input
- Indoor unit operation/error state output through relay contacts



**PIM (Pulse Interface Module)  
MIM-B16N**

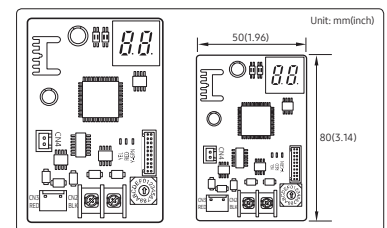
- The Watt-Hour Meter Interface Module can be exclusively used for DMS 2.5 power distribution, displaying power consumption for each watt-hour meter.
- Exclusive use for DMS 2.5 power distribution
- Connection with up to eight watt-hour meters
- Pulse interface with watt-hour meters
- Watt-hour meter - by third party



**Modbus Interface Module  
MIM-B19N**

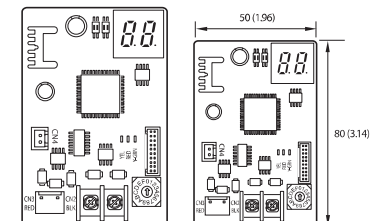
A BMS or 3rd controller can control a Samsung SAC by using the Modbus protocol.

- BMS unit protocol: Modbus RS485 (2 wires, max. 1,000m)
- Unit connection protocol: Samsung Control Layer Protocol (R1/R2)
- Max. No. of connection units: 1 outdoor unit (4 outdoor units including sub units in the case of modular installation) and 48 indoor units
- Modbus interface module address range : up to 247
- Net dimensions (W x H): 50 x 80mm



**Interface Module  
MIM-N01**

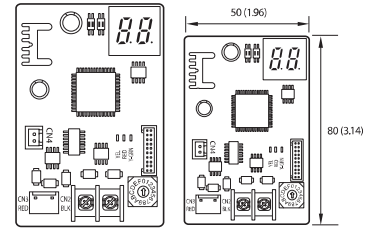
- Communication interface module between outdoor units and the upper level controller which makes use of a different type of communication
- Connect one interface module to one outdoor unit
- Individual control - maximum of 48 indoor units
- Group control - maximum of 16 groups
- Automatic detection of communication type: determine the communication type used by the upper level controller according to the communication type used by the outdoor unit
- Supported communication type
  - Conventional outdoor unit communication ↔ New upper level controller communication
  - New outdoor unit communication ↔ Conventional upper level controller communication





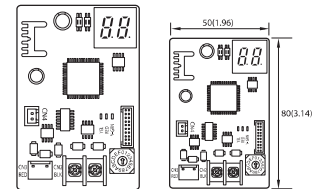
**Interface Module (Converter RS485 to NASA)  
MIM-N10**

- Communication interface module between new communication ERV and controller
- Connect one ERV interface module to a maximum of 16 ERVs
- Individual control - maximum of 16 ERVs
- Group control - maximum of 16 groups
- Supported communication type
  - Conventional ERV communication ↔ New upper level controller communication
  - New ERV communication ↔ Conventional upper level controller communication
  - New ERV communication ↔ New upper level controller communication



**FCU Interface Module  
MIM-F10N**

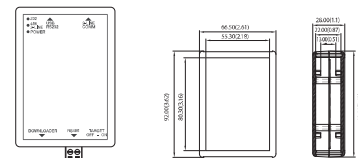
- Communication interface module
- Connect one FCU interface module to a maximum of 16 FCU Kits.
- Supports FCU Kit only



**Installation/Test Run Solution**

**S-Converter  
MIM-C02N**

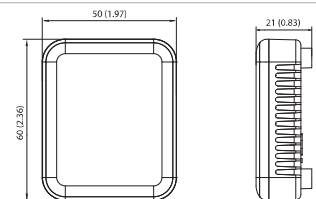
- Communications converting module to connect Samsung system air conditioner to a PC.
- Main purpose for use
  - To connect with test run programme [Test run programme]
  - S-NET Pro: Conventional communication
  - S-NET Pro2: New communication



**Others**

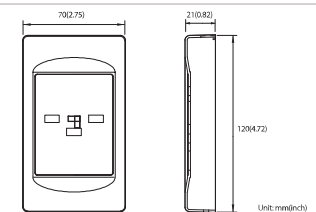
**External Room Sensor  
MRW-TA**

- Indoor unit is operated by MRW-TA instead of its own sensor.
- Wire length: 12 m (39 ft)



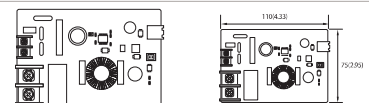
**Operation Mode Selection Switch  
MCM-C200**

- Outdoor unit operation mode selection (Cooling, Heating or Auto)
- Mixed operation mode protection



**MTFC (Multi-Tenant Function Controller)  
MCM-C210N**

- Multi-tenant function controller is an auxiliary power supply device which allows the indoor unit to turn off (close EEV) normally and maintain communication when the mains power supply is cut.
- It is used on sites such as hotels, where individual power is supplied to the indoor unit





DB93-14157A



170961314157A1000HA60001

AM06FKHGH/EU
















B181E146001















# Accessories

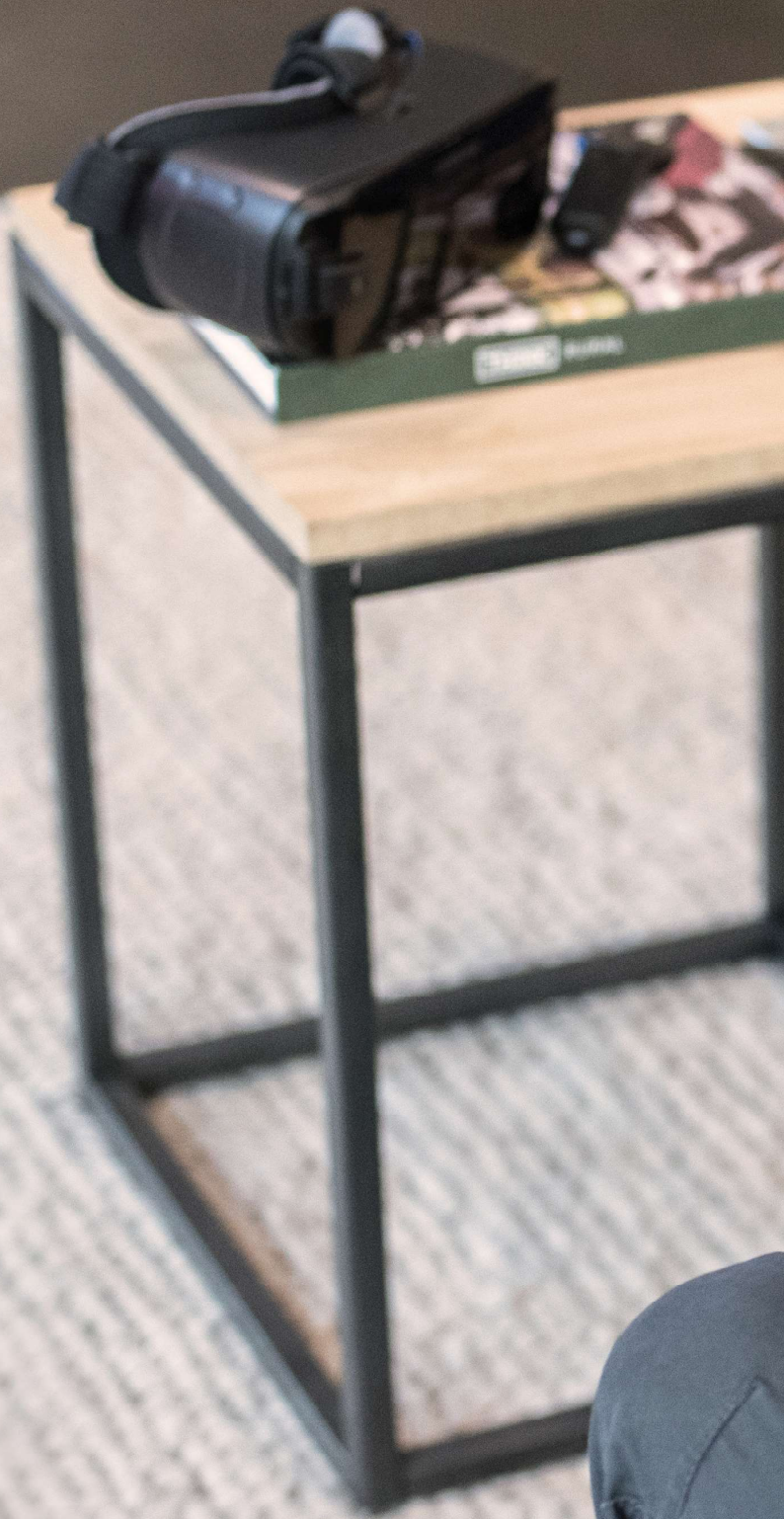
# Line-up

Classification	Image	Model	Application
Drain Pump		MDP-E075SEE3D	Slim Duct (2.0-14.0 kW)
		MDP-Z075SZED	MSP Duct (5.2 kW)
		MDP-M075SGU2D	MSP Duct (12.8/14.0 kW) HSP Duct (11.2/14.0 kW)
		MDP-M075SGU3D	MSP Duct (5.6/7.1 kW)
		MDP-N047SNC1D	HSP Duct (22.4/28.0 kW) Fresh Air Intake Duct (14.0 kW)
		MDP-G075SP	Global Duct (External Type)
		MDP-G075SQ	Global Duct (Internal Type)
CAC R32 AHU Kit		MXD-K100XN1	2.6 kW - 25.0 kW AHU
Humidifier		MVO-VA050100	500 m <sup>3</sup> /hr (ERV Plus)
		MVO-VA100100	1,000 m <sup>3</sup> /hr (ERV Plus)
360 Cassette Front Panel		PC4NUDMAN	NASA, Square
		PC4NBDMAN	NASA, Square - Black
		PC4NUNMAN	NASA, Circle (exposed installation)
		PC4NBNMAN	NASA, Circle (exposed installation) - Black
WindFree™ 4-Way Cassette Front Panel		PC4NUFMAN	WindFree™ 4-Way Cassette
WindFree™ 4-Way 600x600 Cassette Front Panel		PC4SUFMAN	WindFree™ 4-Way 600x600
WindFree™ 1-Way Cassette Front Panel		PC1NWFMAN	WindFree™ 1-Way Cassette

Classification	Image	Model	Application
Motion Detect Sensor		MCR-SMC	WindFree™ 4-Way Cassette
		MCR-SMD	WindFree™ 4-Way 600 x 600 Cassette
		MCR-SME	360 Cassette with square panel
360 Cassette Air Purification Panel		PC6EUCMAN	360 Cassette
360 Cassette Auto Elevation Panel		PC6EUXMAN	360 Cassette
WindFree™ 4-Way Cassette Air Purification Panel		PC4NUCEAN	WindFree™ 4-Way Cassette
WindFree™ 4-Way Cassette Auto Elevation Panel		PC4NUXMAN	WindFree™ 4-Way Cassette
WindFree™ 1-Way Cassette Small Air Purification Panel		PC1MWCMAN	WindFree™ 1-Way Cassette
WindFree™ 1-Way Cassette Medium Air Purification Panel		PC1NWCMAN	WindFree™ 1-Way Cassette
WindFree™ 1-Way Cassette Large Air Purification Panel		PC1BWCMAN	WindFree™ 1-Way Cassette



# Design and support







SAMSUNG

HOME TECH RESOURCES

LOGIN REGISTER

## Welcome to the Samsung Partner Portal

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REGISTER

## Welcome to the Samsung Partner Portal

As solutions partners, you will have access to our partner portal resources that include service, training and marketing resources. You need to continuously deliver the best results.

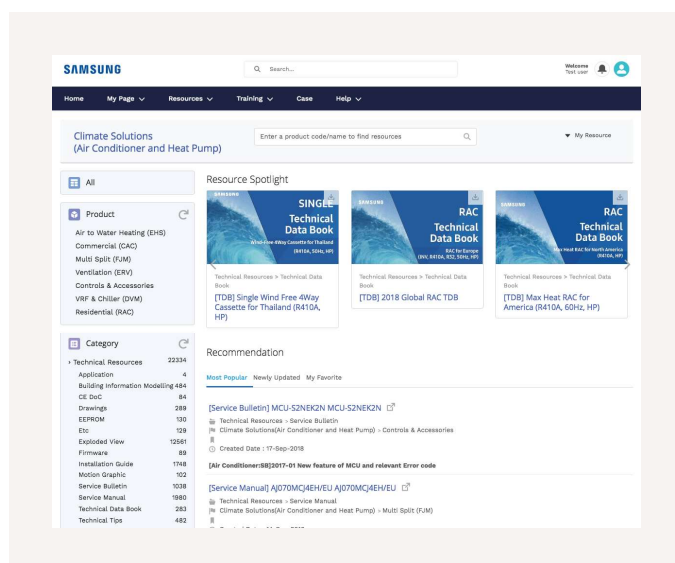


# Samsung Climate Solutions Partner Portal

As one of Samsung's registered Climate Solutions partners, you will have access to our Partner Portal and its many benefits. Whether you are looking for technical product documentation, requesting technical support or registering for training, the Samsung Climate Solutions Partner Portal offers you everything you need to consistently deliver the best results.

## Access technical resources

The Technical Resources section provides you with all of the relevant information you need to understand the product's functionality and to prepare and design projects. A library full of technical information is at your fingertips, ranging from technical data books, BIM files and certificates to exploded views, drawings and different kinds of manuals.



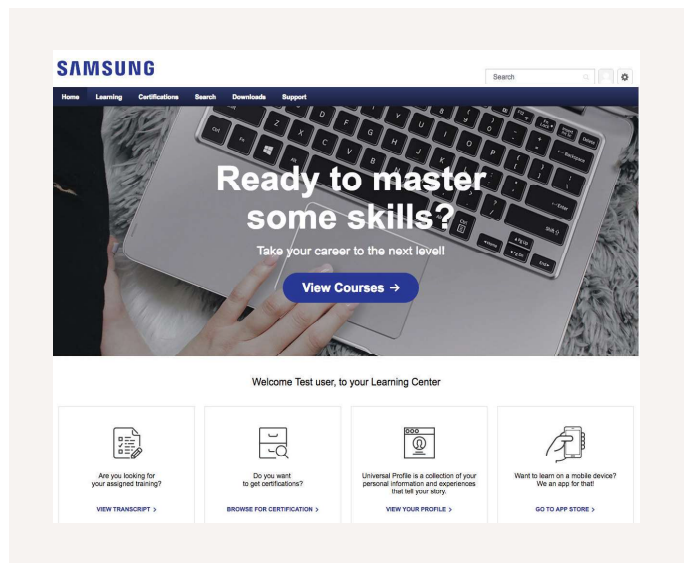
## Request technical support

You can easily request technical support through the Samsung Partner Portal by reporting your case using our built-in ticketing system. You can rest assured that our well-trained technical experts will work to solve your issue as soon as possible.

# Register for training

If you are dedicated to becoming a Samsung climate solutions expert, you can access Samsung’s educational portal for training sessions provided by experienced trainers. The portal allows you to search for online courses and materials, test your climate solutions knowledge, and more. The Samsung Business Academy is here to help you succeed.<sup>1</sup>

<sup>1</sup> The registration process for and availability of training courses may vary per country. Please contact your direct Samsung contact person for more information.



# How to access



1 Register

To register for the Samsung Climate Solutions Partner Portal, open your web browser<sup>1</sup> and go to [partnerhub.samsung.com/climate](https://partnerhub.samsung.com/climate) to complete the registration form.



2 Access

Your information will be verified and your account will be activated. You will receive your personal login details.



3 Manage account

Keep your account details up to date and invite your colleagues to join.



4 Search and download

Access a full library of resources, request technical support, or sign up for a Climate Solutions Academy training session.

<sup>1</sup> Google Chrome is the recommended web browser for using the Samsung Climate Solutions Partner Portal.

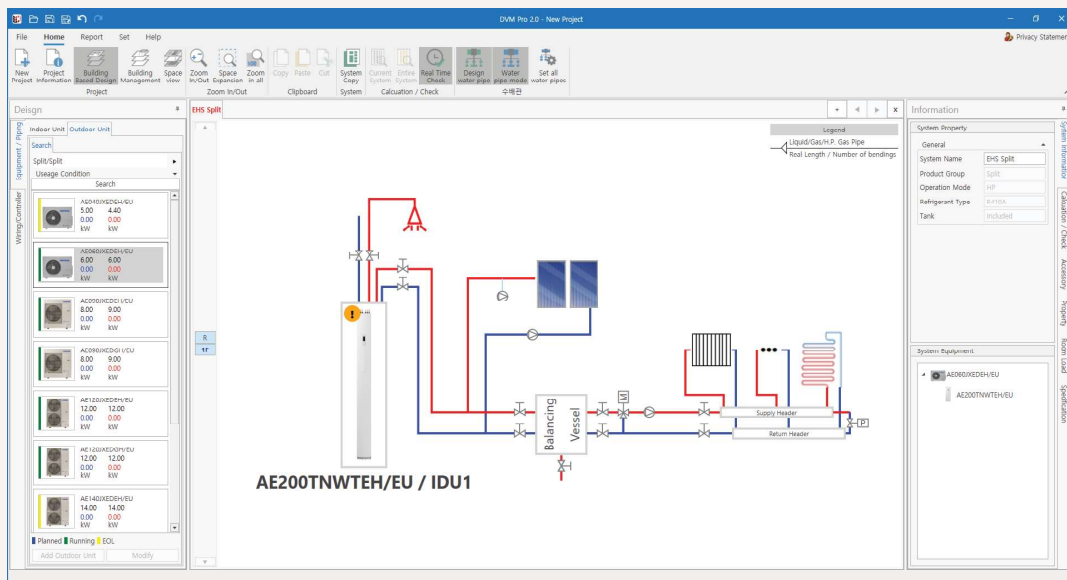
# Samsung DVM Pro 2.0

Samsung introduces new updated version of DVM Pro version 2.0. Product selection is extended and now the tool is also available for EHS and HVM lineup.

Samsung DVM Pro 2.0 is an advanced design automation programme which helps you to select the most suitable equipment for easily and precisely designing your air conditioning system. It helps to ensure that the system's design falls within Samsung's engineering guidelines. With its reports, pipe and wire diagrams, additional refrigerant values and other information, Samsung DVM Pro 2.0 is a powerful tool for engineers, designers or installers.

## Sales Mode

Sales Mode enables users to define their requirements and select air conditioning products quickly and easily.



### Product selection

List of equipment, including indoor units, outdoor units, controls and accessories

### Reports

Specifications, diagrams in DWG & BMP format, quotations

### Updated Toolbar

User-friendly tool bar helps to guide intuitively

### Piping schematics

Basic or manual selection with system check and capacity simulation

### Control systems

Automatic control unit selection

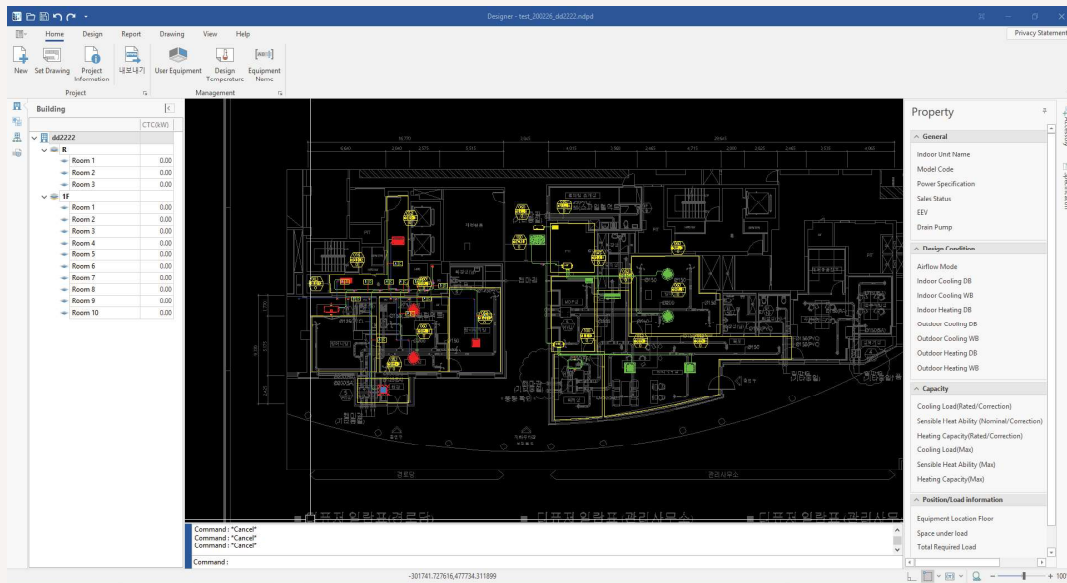
### Wiring schematics

Automatic diagrams including communication wiring for indoor/outdoor control units and electric power meters

# CAD Mode

CAD Mode is an in-depth and precise design tool that enables users to design their air conditioning systems using AutoCAD software<sup>1</sup>.

<sup>1</sup> Sourced separately.



**Pipe sizing & lengths**  
Refrigerant & drain pipe sizing

**Automatic selection**  
Refnet joint, header & distributor kit

**Automatic report**  
Piping installation

**System check**  
Installation regulation & refrigerant charging

**Performance simulation**  
Capacity correction tool against specific design conditions

**Design without AutoCAD**  
Compatible with AutoCAD and AutoCAD LT for DWG.

## How to access



Register

Go to [dvmpro.mkt.samsung.com](http://dvmpro.mkt.samsung.com) to access the Samsung DVM Pro 2.0 Portal<sup>1</sup>. If you do not have access yet, complete the registration process and you will be sent the access details.



Select

Click on DVM Pro 2.0 via the main menu and scroll to the end of the page to select the option DVM Pro 2.0 download.



Download

Download the DVM Pro 2.0 installation file, view the user manuals, and start designing your project.

<sup>1</sup> Google Chrome is the recommended web browser for using the Samsung DVM Pro 2.0 Portal.

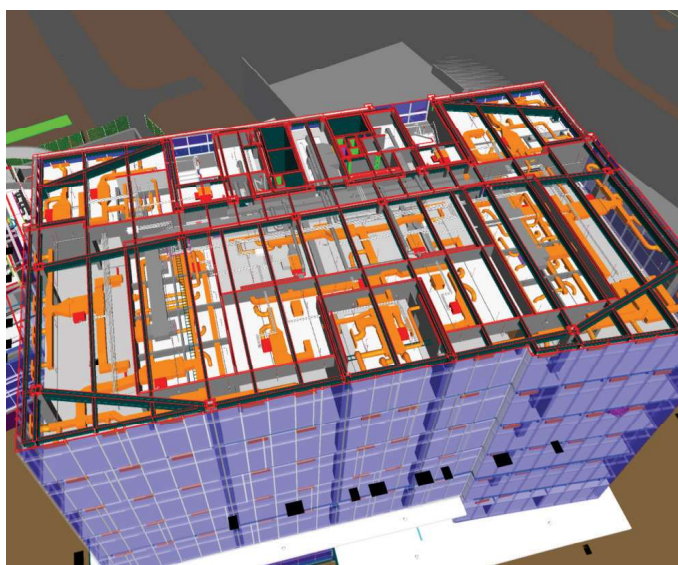
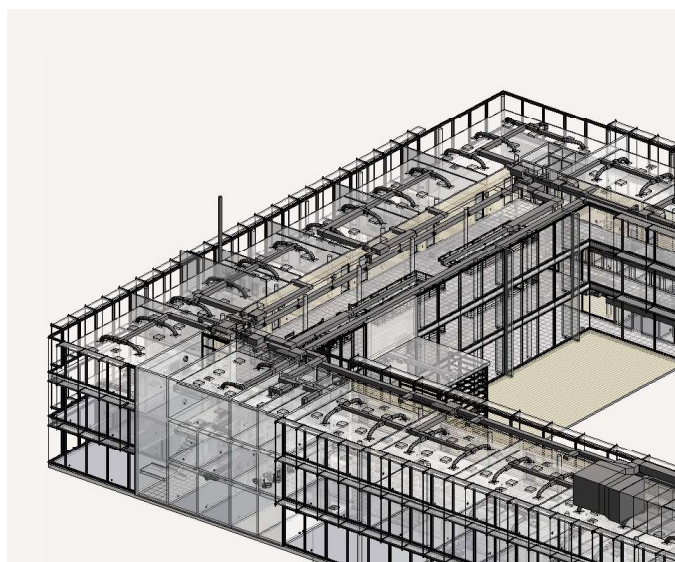


# Samsung specialist design support

Bringing together technical expertise and practical experience in climate system design, Samsung provides a single point of contact for the design and management of cooling and heating installations in buildings. With assistance ranging from 3D visualisations with BIM support to CFD analysis to optimise indoor thermal conditions and BREEAM assessments to achieve the best environmental performance, Samsung's specialist engineers are ready to support you in making your project a success.

## BIM support

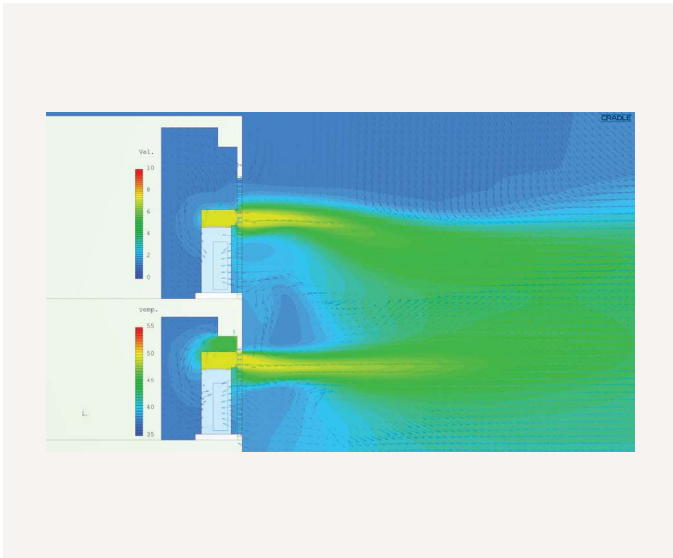
Building Information Modelling (BIM) is an intelligent 3D model-based process for creating and managing information on the physical and functional characteristics of a building, across the project lifecycle and covering all parties involved, including the supply chain. BIM gives architects, engineers and construction professionals the insights and tools necessary to efficiently plan, design, construct and manage buildings and infrastructure.



To support you as one of our Climate Solutions partners, Samsung has developed a full range of BIM models for all VRF and VRF Chiller products. You can download these 3D models directly from the BIM object library to start planning your project design. Alternatively, you can call on our qualified Samsung engineering team for dedicated project design support, using Revit® software to create 3D plans of the building including Samsung air conditioner installations.

## CFD analysis

Computational Fluid Dynamics (CFD) uses numerical analysis and data structures to analyse thermal conditions in buildings. It allows the virtual testing and optimisation of various climate system configurations in the context of occupant comfort, energy efficiency and running cost. Samsung can offer you specialist CFD support that includes analyses such as indoor temperature profiling, airflow distribution and sound simulation.



## BREEAM advice

BREEAM (BRE<sup>1</sup> Environmental Assessment Method) is one of the most widely used environmental assessment methods and rating systems for buildings. It sets the standard for best practice in sustainable design and has become the de facto measure used to describe a building's environmental performance. Samsung's Accredited Professionals (APs) can support you in assessing the optimal installation for achieving a high certification score to match your green building programme.

<sup>1</sup> BRE (Building Research Establishment) is a leading, multidisciplinary building science centre based in the United Kingdom.



## How to obtain support



**BIM support**

To download Samsung BIM models, go to the Technical Resources on [partnerhub.samsung.com/climate](https://partnerhub.samsung.com/climate)<sup>1</sup>. To request dedicated project design support from Samsung, please contact your Samsung representative.



**CFD analysis**

To obtain CFD analysis support from Samsung, please contact your Samsung representative. Certain conditions may apply, subject to the project.



**BREEAM advice**

Please contact your Samsung representative to request a BREEAM evaluation by one of Samsung's Accredited Professionals (APs).

<sup>1</sup> Google Chrome is the recommended web browser for using the Samsung Climate Solutions Partner Portal.

# Samsung Climate Solutions Academy

Samsung Climate Solutions Academy is committed to providing engineers with the technical skills required to install a Samsung product efficiently, and to help relay necessary information to users. All courses are designed to provide attendees with the opportunity to develop both theoretical and practical knowledge of Samsung's vast range of equipment and solutions.



## Available training modules

### Essential courses: Basic commercial training

- The product line-up, accessories and available controls
- The unique features of Samsung products
- Installation considerations

### Advanced courses: Technical training

- How to correctly install and configure a system
- Commissioning: common issues during commissioning and how to resolve any challenges
- Troubleshooting and fault-finding (by use of E-codes)
- Control logic
- Case studies

### Advanced courses: Design training

- Understanding customers' needs and offering possible solutions
- DVM Pro 2.0 - Samsung's advanced design tool
- Case studies

Note: the registration process for and availability of training courses may vary per country. Please contact your Samsung representative for more information.



# Samsung training centres in Europe



## How to register for training



Search

To check for available training courses, go to Samsung Business Academy (SBA) via the Samsung Climate Solutions Partner Portal<sup>1</sup>: [partnerhub.samsung.com/climate](https://partnerhub.samsung.com/climate). Search the online event calendar and select the training course you would like to attend.



Register

After identifying the training course you would like to attend, follow the registration process. Once you have registered successfully you will receive a confirmation e-mail.



Get certified

Following confirmation of your registration, we will invite you to one of our training centres. You will be trained by one of our specialised Master Trainers or Product Specialists, and receive a Certificate of Completion.

<sup>1</sup> Google Chrome is the recommended web browser for using the Samsung Climate Solutions Partner Portal.

