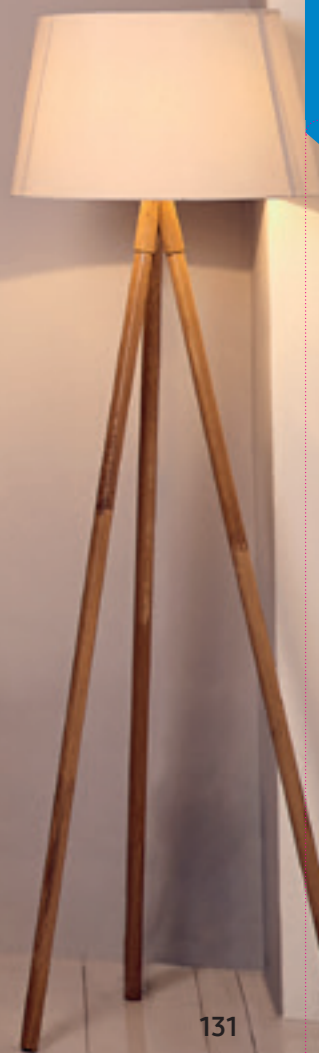













Commercial



Line-up

CAC R32

Type		2.6 kW	3.5 kW	5.2 kW	7.1 kW	10 kW	12 kW	14 kW
								
360 Cassette					•	•	•	•
Wind-Free™ 4-Way Cassette				•	•	•	•	•
Wind-Free™ Mini 4-Way Cassette		•	•	•	•			
Wind-Free™ 1-Way Cassette		•	•					
Triangle Wall-Mounted		•	•	•	•			
Max Wall-Mounted						•		
LSP Duct		•	•	•	•			
MSP Duct			•	•	•	•	•	•
Console		•	•	•				
Ceiling				•	•	•	•	•

CAC R410A

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

CAC R410A High Efficiency

Type		2.6 kW	3.5 kW	7.1 kW	10 kW	12 kW
						
4-Way Cassette				•	•	•
Mini 4-Way Cassette		•	•			
Triangle Wall-Mounted		•	•	•		
Max Wall-Mounted					•	
MSP Duct			•	•	•	•

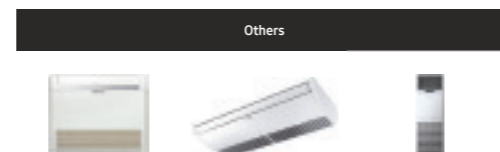
Selection guide



Model	360 Cassette	Wind-Free™ Mini 4-Way Cassette	Wind-Free™ 4-Way Cassette	Wind-Free™ 1-Way Cassette	4-Way Cassette
Airflow	Wind-Free™ Cooling	•	•	•	•
	360 Degree Air Supply	•			
Air Purification	SPI Ioniser	Optional	Optional	Optional	Optional
	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	Optional	
Operating Mode	Quiet				
Controls	Remote Controller Included				
Others	Drain Pump Included	•	•	•	•



Model	Mini 4-Way Cassette	LSP Duct	MSP Duct	HSP Duct
Airflow	Wind-Free™ Cooling			
	360 Degree Air Supply			
Air Purification	SPI Ioniser	Optional		
	Long-life Filter			
Functions	Samsung SmartThings	Optional	Optional	Optional
	Wi-Fi Kit Compatibility	Optional	Optional	Optional
	Humidity Sensor	•		
	MDS (Motion Detect Sensor)			
Operating Mode	Quiet			
Controls	Remote Controller Included			
Others	Drain Pump Included	Optional	Optional	Optional



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

Model	Console	Ceiling	Floor-Standing
Airflow	Wind-Free™ Cooling		
	360 Degree Air Supply		
Air Purification	SPI Ioniser	•	
	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	•	



Nomenclature

Commercial - Indoor units

AC 120 R N 4 P K H EU

1 2 3 4 5 6 7 8

1	Classification	AC	Commercial Air Conditioner (CAC)
2	Capacity	x1/10 kW (3 digits)	
3	Year	H	2014
		J	2015
		K	2016
		M	2017
		N	2018
		R	2019
		T	2020
4	Product Type	N	Indoor Unit (NASA)
5	Product Notation	1	Wind-Free™ 1-Way Cassette
		N	Wind-Free™ Mini 4-Way Cassette
		4	360 Cassette, Wind-Free™ 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
		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	H	Heat Pump

Commercial - Outdoor units

AC 120 R X A D K H EU

1 2 3 4 5 6 7 8

1	Classification	AC	Commercial Air Conditioner (CAC)
2	Capacity	x1000 Btu/h (3 digits)	
3	Year	H	2014
		J	2015
		K	2016
		M	2017
		N	2018
		R	2019
		T	2020
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
		H	Heat Pump (R410A)

Twin/Triple/Quad combinations

CAC 

Indoor Unit	kW	Outdoor Unit			
		AC071RXADKG/EU 7	AC100RXADKG/EU AC100RXADNG/EU 10	AC120RXADKG/EU AC120RXADNG/EU 12	AC140RXADKG/EU AC140RXADNG/EU 14
360 Cassette 	7.0				2
	10.0				
	12.0				
Wind-Free™ 4-Way Cassette 	5.0		2	3	3
	7.0				2
	10.0				
Wind-Free™ 4-Way Mini Cassette 	3.5	2	3	4	4
	5.0		2	3	3
	7.0				2
Wind-Free™ 1-Way Cassette 	3.5	2	3	4	4
Triangle Wall-Mounted 	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	2	3	4	4
	5.0		2	3	3
Ceiling 	5.0		2	3	3
	7.0				2
	10.0				
	12.0				



Commercial

Commercial

Specifications

360 Cassette R32

- 360° air supply.
- Bladeless discharge thanks to three small booster fans.
- Built-in condensation drain pump (750 mmH2O).

- 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).
- SPI Ioniser (optional).
- Circular or square cassette 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		
Capacity							
Cooling (Min/Nominal/Max)	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	
Performance							
Energy Efficiency Cooling	SEER ¹	W/W	6.7 A++	6.8 A++	6.0 A+	6.4	
	Power Consumption	kWh/a	371	515	TBA	-	
	Pdesignc	kW	7.1	10.0	TBA	-	
	EER	W/W	2.60	3.08	2.69	2.81	
	SCOP ¹	W/W	4.2 A+	4.3 A+	4.0 A+	4.1	
Energy Efficiency Heating	Power Consumption	kWh/a	1,500	1,726	TBA	-	
	Pdesignh (average)	kW	4.5	5.3	6.5	8.4	
	COP ¹	W/W	3.23	3.50	3.26	3.35	
	Airflow Rate	Indoor Unit (H/M/L)	m ³ /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	
External Static Pressure	Min/Std/Max	Pa					
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	
Electrical Data							
Power Source	Indoor Unit	Φ, #, V, Hz	1Φ, 2, 220~240 V, 50 Hz	1Φ, 2, 220~240 V, 50 Hz	1Φ, 2, 220~240 V, 50 Hz	1Φ, 2, 220~240 V, 50 Hz	
	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	
Dimensions							
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	

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	
Net Weight	Indoor Unit	kg	20.2	23.5	23.5	25.5
	Outdoor Unit	kg	51.0	75.0	81.0	91.5
Refrigerant						
Refrigerant	Type		R32 (contains fluorinated greenhouse gases. GWP = 675)			
	Factory Charging	kg	1.7/15 m	2.7/30 m	2.7/30 m	2.9/30 m
	Charging Ton Equivalent CO ₂	tCO ₂ 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	PC4NUNMAN	PC4NUNMAN	PC4NUNMAN
	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

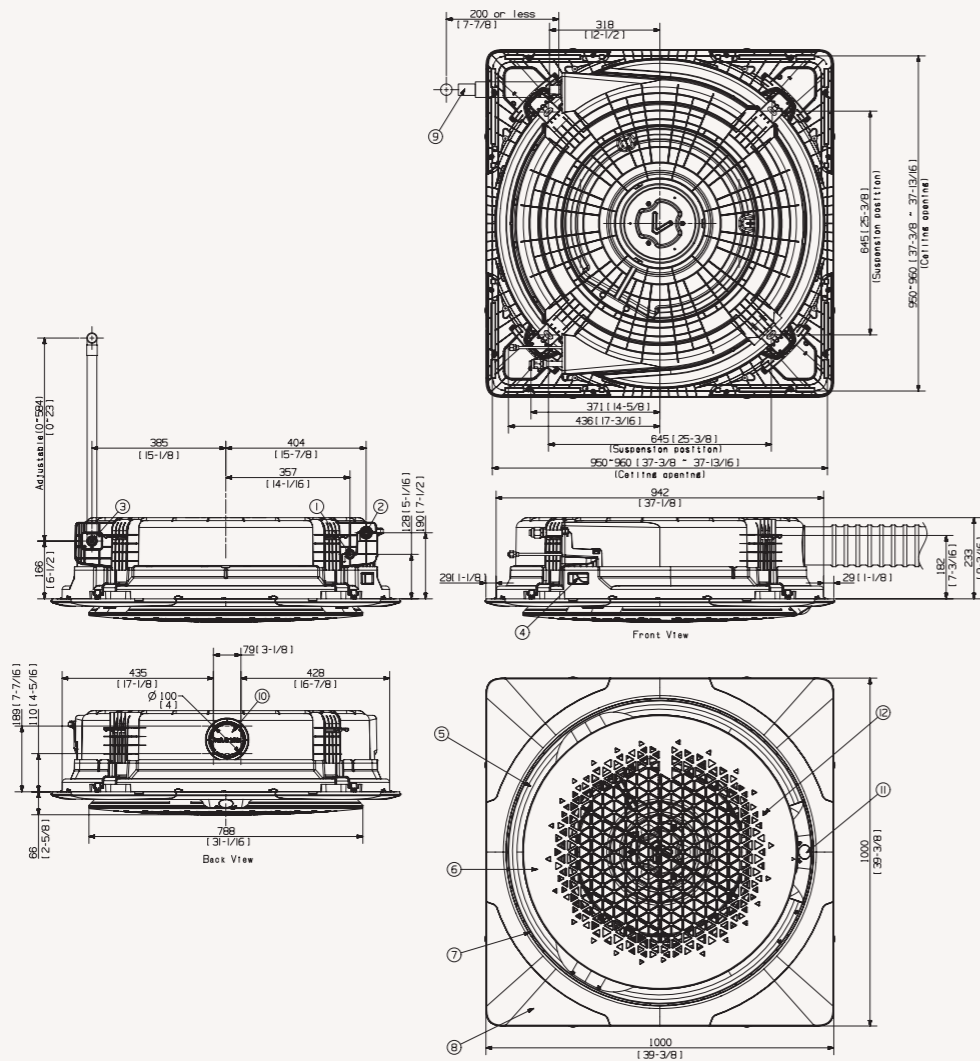
Accessories										
										
AR-KH03E	MWR-SH00N	MWR-SH11N	MWR-WG00JN/MWR-WG00KN	MIM-H04EN	MRW-TA	PC4NUNMAN	PC4NUNMAN	PC4NUNMAN	PC4NUNMAN	MSD-CAN1

¹Energy labels as shown are according to EU No 626/2011 (LOT 10) label classification 2019, on a scale from D to A+++.

Dimensional drawings

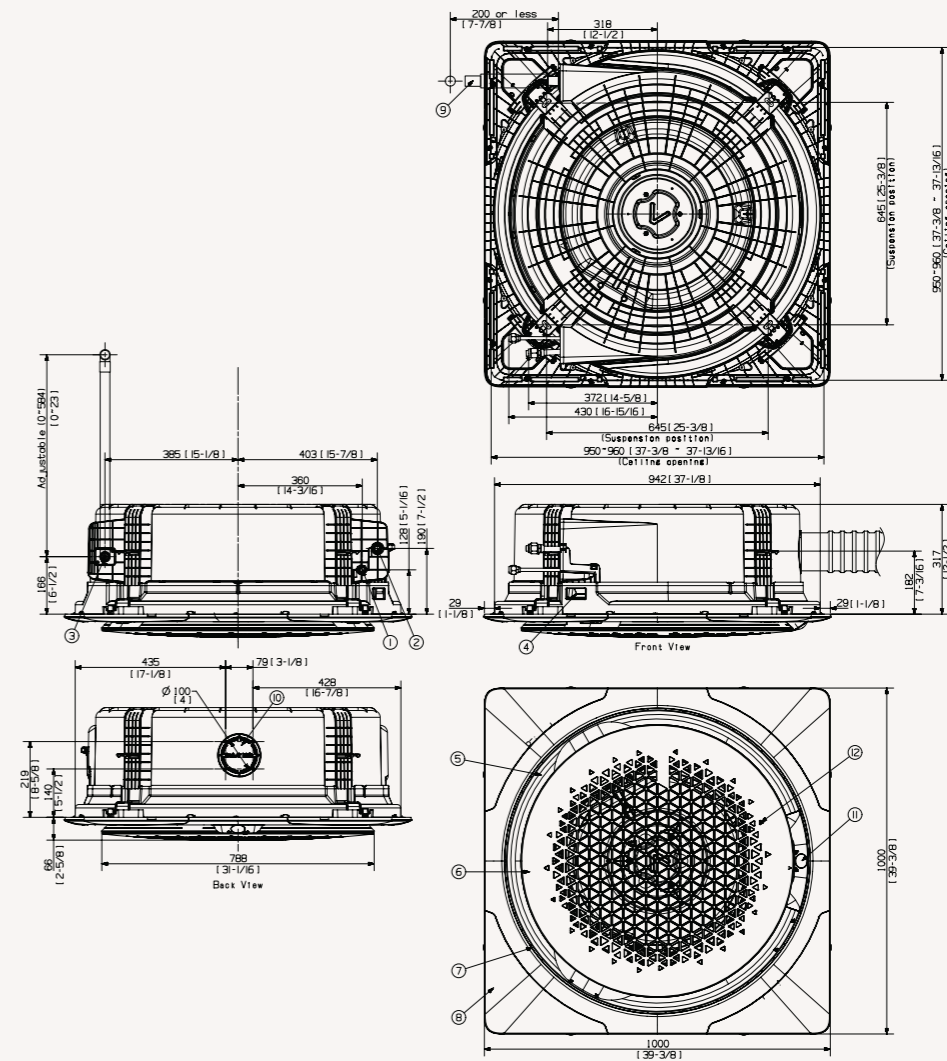
360 Cassette (square)

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	

AC090/100/120/140*N4PK*/EU

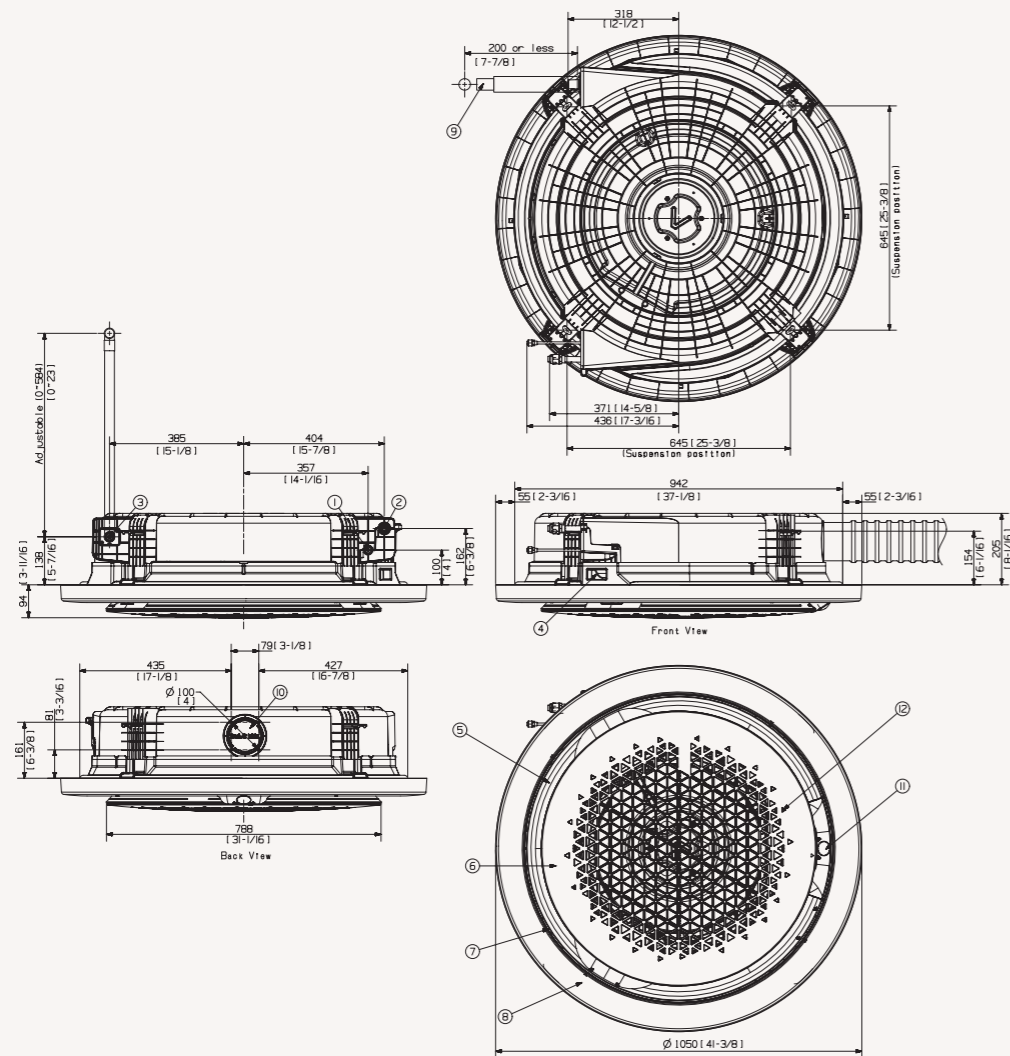


NO	Name	Description
1	Liquid piping	ø9.52 (3/8)
2	Gas piping	ø15.88 (5/8)
3	Condensation drain piping	VP25 (OD 32, ID 25)
4	Power supply/communication wiring conduits	
5	Air supply	
6	Air intake	
7	Booster Fan hollow space	
8	Panel	
9	Condensation drain piping (accessory)	
10	Knock-out hole - external air	ø100 mm
11	Display	
12	Wireless remote controller receiver	

Dimensional drawings

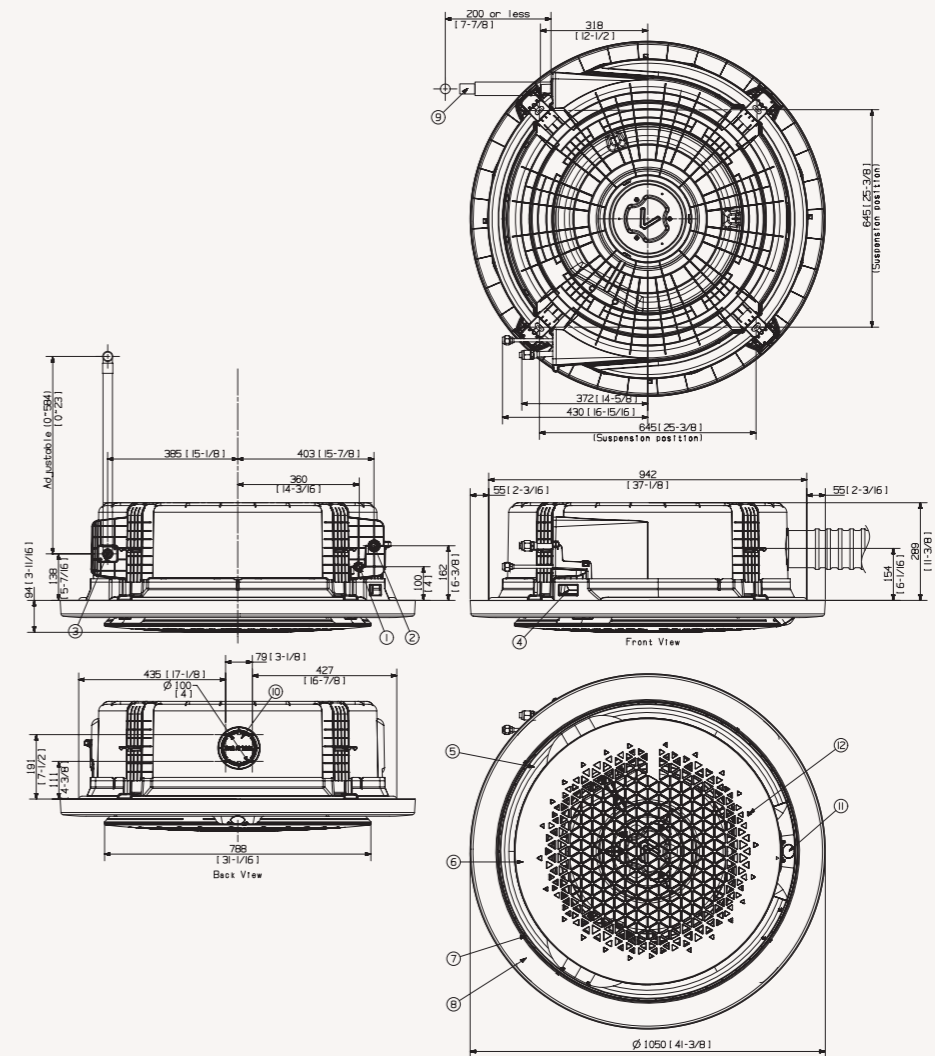
360 Cassette (circle)

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	

AC090/100/120/140*N4PK*/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 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

Wind-Free™ Mini 4-Way Cassette R32

- 2-Step Cooling: Fast Cooling & Wind-Free™ 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 mmH₂O).



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						
Capacity						
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)	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	3.3	3.9	5.4	7.4	
	Heating @ -15 °C	3.00	3.50	4.80	6.50	
Performance						
Energy Efficiency Cooling	SEER ¹	7.1/ A++	7.0/ A++	6.7/ A++	6.1/ A++	
	Power Consumption	128	175	261	390	
	Pdesignc	2.6	3.5	5.0	6.8	
	EER	3.88	3.40	3.27	2.47	
Energy Efficiency Heating	SCOP ¹	4.3/ A+	4.3/ A+	4.2/ A+	3.8/ A	
	Power Consumption	684	684	800	1,474	
	Pdesignh (average)	2.1	2.1	2.4	4.0	
	COP ¹	3.69	3.33	3.62	2.68	
Airflow Rate	Indoor Unit (H/M/L)	m ³ /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
External Static Pressure	Min/Std/Max	Pa				
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
Electrical Data						
Power Source	Indoor Unit	Φ, #, V, Hz	1Φ, 2, 220~240 V, 50 Hz	1Φ, 2, 220~240 V, 50 Hz	1Φ, 2, 220~240 V, 50 Hz	1Φ, 2, 220~240 V, 50 Hz
	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				
Dimensions						
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	575 x 250 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
Refrigerant						



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						
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 ₂	tCO ₂ 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
Others						
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

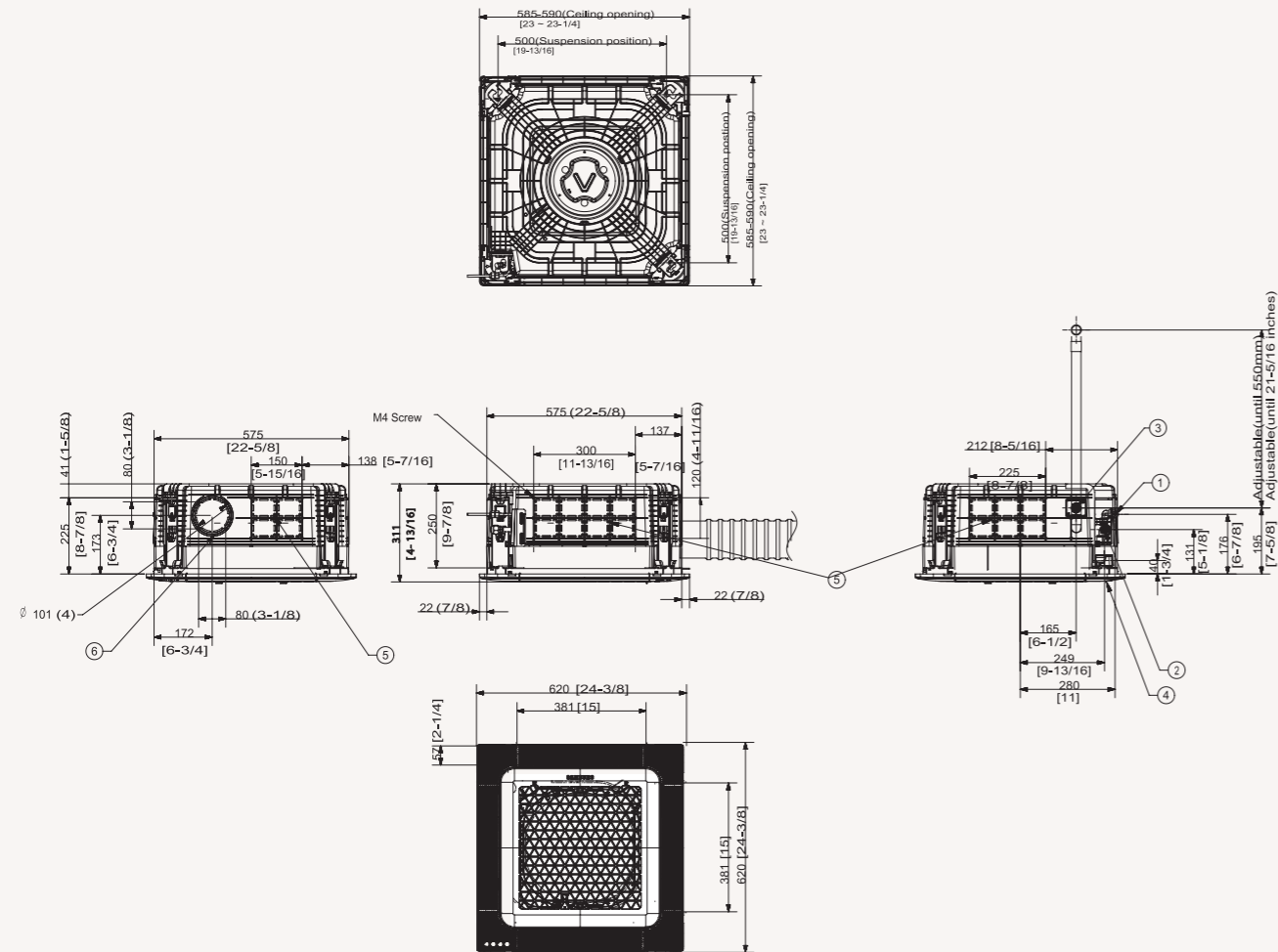
Accessories							
							
Wireless Remote Controller	Simple Type Controller	Touch Controller	Advanced Wired Controller	Panel (Mandatory)	External Thermostat	Wi-Fi Kit	SPI Ioniser
AR-EH03E	MWR-SH00N	MWR-SH11N	MWR-WG00JN/ MWR-WG00KN	PC4SUFMAN	MRW-TA	MIM-H04EN	MSD-CAN1

¹Energy labels as shown are according to EU No 626/2011 (LOT 10) label classification 2019, on a scale from D to A+++.

Dimensional drawings

Wind-Free™ Mini 4-Way Cassette

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



Specifications

Wind-Free™ 4-Way Cassette R32

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



Indoor Unit		AC052RN4DKG/EU	AC071RN4DKG/EU	AC100RN4DKG/EU	AC120RN4DKG/EU	AC140RN4DKG/EU	
Outdoor Unit - Mono-Phase		AC052RXADKG/EU	AC071RXADKG/EU	AC100RXADKG/EU	AC120RXADKG/EU	AC140RXADKG/EU	
Outdoor Unit - Tri-Phase		-	-	AC100RXADNG/EU	AC120RXADNG/EU	AC140RXADNG/EU	
Capacity							
Cooling (Min/Nominal/Max)	kW	1.00/5.00/6.50	1.50/7.10/8.70	3.00/10.00/12.00	3.50/12.00/13.50	3.50/13.40/15.00	
Heating @ +7 °C (Min/Nominal/Max)	kW	1.00/6.00/7.00	1.90/8.00/9.00	2.20/11.20/15.50	3.50/13.20/15.50	3.50/15.50/18.00	
Heating @ -5 °C	kW	5.90	7.80	11.00	12.90	15.20	
Heating @ -15 °C	kW	5.20	7.00	9.70	11.50	13.50	
Performance							
Energy Efficiency Cooling	SEER ¹	7.6/ A++	6.7/ A++	7.0/ A++	6.0/ A+	6.6/ A++	
	Power Consumption	kWh/a	230	371	500	TBA	-
	Pdesignc	kW	5.0	7.1	10.0	TBA	-
	EER	W/W	3.50	2.98	2.92	2.60	3.16
Energy Efficiency Heating	SCOP ¹	4.3/ A+	4.2/ A+	4.3/ A++	4.0/ A+	4.3/ A++	
	Power Consumption	kWh/a	847	1,500	1,726	TBA	-
	Pdesignh (average)	kW	2.60	4.50	5.30	TBA	-
	COP ¹	W/W	4.03	3.27	3.61	3.18	3.16
Airflow Rate	Indoor Unit (H/M/L)	m ³ /min	40.0	51.0	72.0	72.0	110.0
Sound Power	Indoor Unit	dB(A)	49	53	61	61	61
	Outdoor Unit	dB(A)	62	65	69	70	69
Sound Pressure	Indoor Unit (H/M/L)	dB(A)	33/31/29	36/33/29	44/39/33	45/40/35	45/41/37
	Outdoor Unit (H/L)	dB(A)	48/48	51/49	54/52	56/54	54/53
Fan/Outdoor Unit	Type		BLDC	BLDC	BLDC	BLDC	
	Power	W	65	65	97	97	
	Number of Fans	-	1	1	1	1	
External Static Pressure	Min/Std/Max	Pa					
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	
Electrical Data							
Power Source	Indoor Unit	Φ, #, V, Hz	1Φ, 2, 220-240 V, 50 Hz	1Φ, 2, 220-240 V, 50 Hz	1Φ, 2, 220-240 V, 50 Hz	1Φ, 2, 220-240 V, 50 Hz	
	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	0.33/1.43/2.30	0.35/2.38/3.60	0.60/3.42/4.70	0.90/4.60/5.30	0.80/4.62/6.45
	Heating	kW	0.25/1.49/2.50	0.35/2.45/3.95	0.46/3.10/5.40	0.75/4.15/5.60	0.70/4.90/7.36
Current Input	Cooling (Min/Std/Max)	A	1.5/6.5/9.5	2.0/10.3/16.0	3.0/15.2/20.4	4.3/20.1/24.0	3.7/20.0/28.0
	Heating (Min/Std/Max)	A	1.5/6.8/12.0	2.0/10.7/17.0	2.5/13.6/23.0	3.7/18.2/26.0	3.5/21.3/32.0
	Cooling - Tri-Phase (Min/Std/Max)	A	-	-	1.5/5.5/7.1	2.1/6.8/10.0	2.1/7.1/10.5
	Heating - Tri-Phase (Min/Std/Max)	A	-	-	1.2/5.1/8.4	2.1/6.3/12.0	1.9/7.3/12.0
Dimensions							
Net Dimensions (W x H x D)	Indoor Unit	mm	840 x 204 x 840	840 x 204 x 840	840 x 204 x 840	840 x 204 x 840	
	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	
	Outdoor Unit	kg	43.0	51.0	75.0	81.0	
Refrigerant							



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	Type	R32 (contains fluorinated greenhouse gases. GWP = 675)					
	Factory Charging	kg	1.2/10 m	1.7/15 m	2.7/30 m	2.7/30 m	2.9/30 m
	Charging Ton equivalent CO ₂	tCO ₂ e	0.81	1.15	1.82	1.82	1.96
	Additional Refrigerant Charging	g/m	15	25	50	50	50
	Piping Connections	Liquid Pipe	ø, inch	1/4	1/4	3/8	3/8
	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	
	Net Dimensions (W x H x D)	mm	950 x 48 x 950	950 x 48 x 950	950 x 48 x 950	950 x 48 x 950	950 x 48 x 950
	Net Weight	kg	6.3	6.3	6.3	6.3	6.3
Accessories	Drain Pump		Included	Included	Included	Included	Included
	Max. Lifting Height/Displacement	mm / litres/h	750/24	750/24	750/24	750/24	750/24

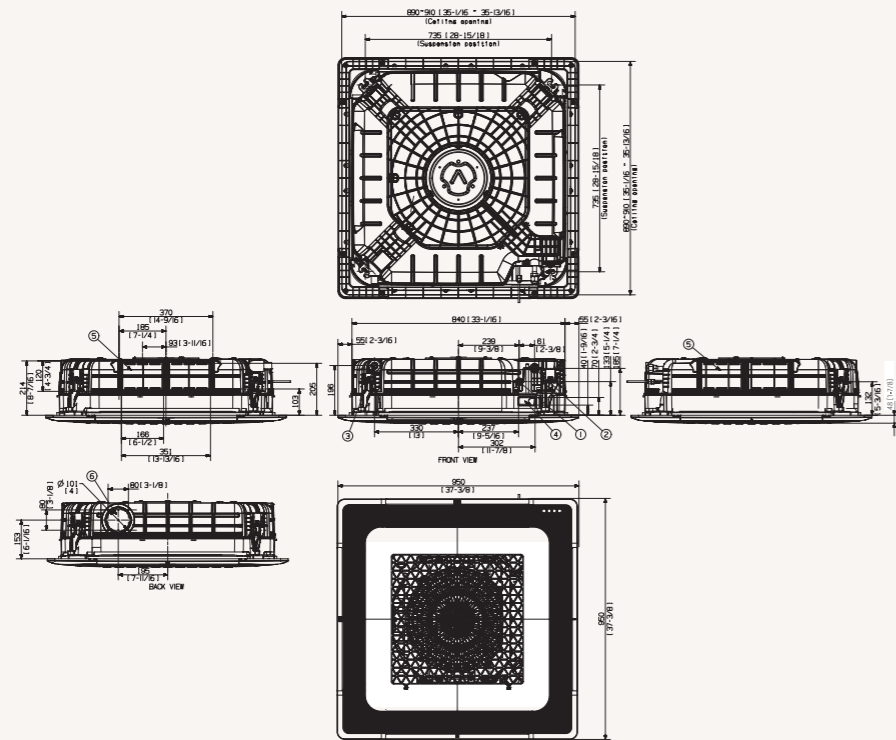
Accessories							
							
Wireless Remote Controller	Simple Type Controller	Touch Controller	Advanced Wired Controller	Panel (Mandatory)	External Thermostat	Wi-Fi Kit	SPI Ioniser
AR-EH03E	MWR-SH00N	MWR-SH11N	MWR-WG00JN/ MWR-WG00KN	PC4NUFMAN	MRW-TA	MIM-H04EN	MSD-CAN1

¹Energy labels as shown are according to EU No 626/2011 (LOT 10) label classification 2019, on a scale from D to A+++.

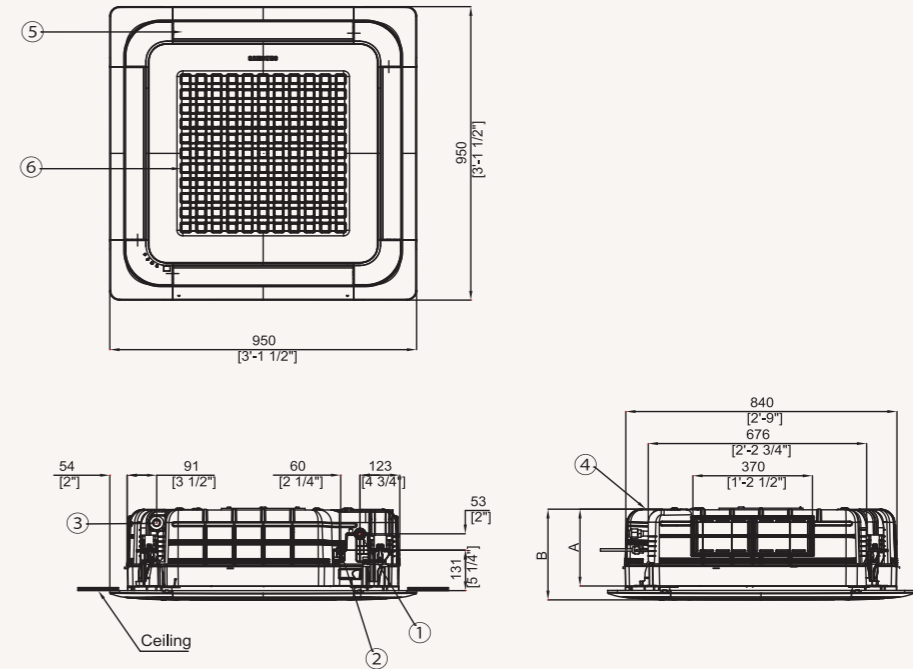
Dimensional drawings

Wind-Free™ 4-Way Cassette

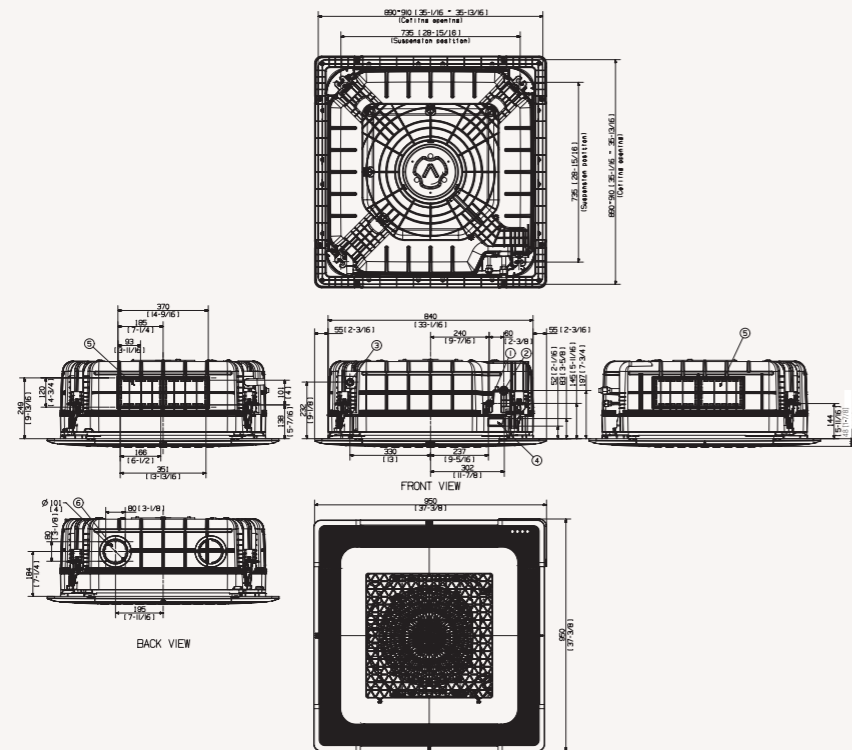
AC052/071*N4DK*/EU



AC071JN4CEH/EU, AC100JN4CEH/EU, AC125JN4CEH/EU



AC090/100/120/140*N4DK*/EU



Specifications








Wind-Free™ 1-Way Cassette R32

- 2-Step Cooling: Fast Cooling & Wind-Free™ Cooling.
- Blade angle between 37° and 87°, blade width 100 mm.
- Built-in humidity sensor.
- Height of only 152 mm.
- Built-in condensation drain pump (750 mmH2O).



Indoor Unit		AC026RN1DKG/EU	AC035RN1DKG/EU
Outdoor Unit - Mono-Phase		AC026RXADKG/EU	AC035RXADKG/EU
Outdoor Unit - Tri-Phase			
Capacity			
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
Performance			
Energy Efficiency Cooling	SEER ¹	6.4/ A++	6.2/ A++
Power Consumption	kWh/a	142	198
Pdesignc	kW	2.60	3.50
EER	W/W	3.61	3.21
Energy Efficiency Heating	SCOP ¹	4.0/ A+	4.0/ A+
Power Consumption	kWh/a	700	700
Pdesignh (average)	kW	2.0	2.0
COP ¹	W/W	3.26	3.12
Airflow Rate	Indoor Unit (H/M/L)	m ³ /min	7.3/6.5/5.8
Sound Power	Indoor Unit	dB(A)	52
	Outdoor Unit	dB(A)	59
Sound Pressure	Indoor Unit (H/M/L/Silent)	dB(A)	32/29/26/25
	Outdoor Unit (H/L)	dB(A)	47/46
Fan/Outdoor Unit	Type		Crossflow Fan
	Power	W	27
	Number of Fans	-	1
External Static Pressure	Min/Std/Max	Pa	
Operating Temperature Range	Cooling	°C	-15-46
	Heating	°C	-20.0-24.0
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	
Compressor Type	Outdoor Unit	Type	Single BLDC
Power (Min/Nominal/Max)	Cooling	kW	0.17/0.72/1.16
	Heating	kW	0.20/1.01/1.45
Current Input	Cooling (Min/Std/Max)	A	1.2/3.8/5.4
	Heating (Min/Std/Max)	A	1.4/5.0/7.0
	Cooling - Tri-Phase (Min/Std/Max)	A	
	Heating - Tri-Phase (Min/Std/Max)	A	
Dimensions			
Net Dimensions (W x H x D)	Indoor Unit	mm	970 x 135 x 410
	Outdoor Unit	mm	790 x 548 x 285
Net Weight	Indoor Unit	kg	9.2
	Outdoor Unit	kg	32.5

Indoor Unit		AC026RN1DKG/EU	AC035RN1DKG/EU
Outdoor Unit - Mono-Phase		AC026RXADKG/EU	AC035RXADKG/EU
Outdoor Unit - Tri-Phase			
Refrigerant			
Refrigerant	Type	R32 (contains fluorinated greenhouse gases. GWP = 675)	
	Factory Charging	kg	0.9/20 m
	Charging Ton equivalent CO ₂	tCO ₂ 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
Others			
Panel	Model Code		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

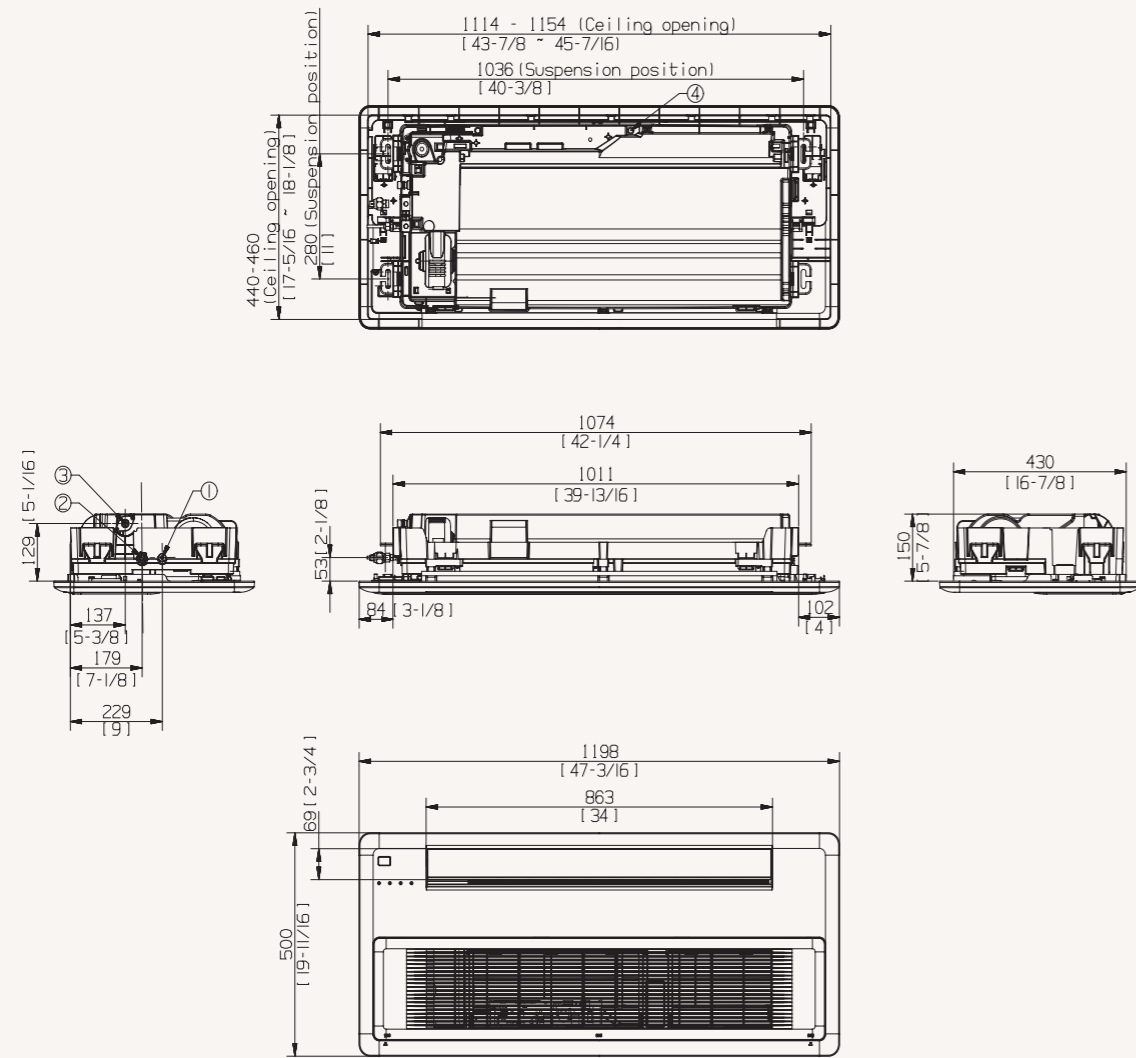
Accessories						
						
Wireless Remote Controller	Simple Type Controller	Touch Controller	Advanced Wired Controller	Wi-Fi Kit	Panel (Mandatory)	External Thermostat
AR-EH03E	MWR-SH00N	MWR-SH11N	MWR-WG00JN/ MWR-WG00KN	MIM-H04EN	PC4NUNMAN	MRW-TA

¹Energy labels as shown are according to EU No 626/2011 (LOT 10) label classification 2019, on a scale from D to A+++.

Dimensional drawings

Wind-Free™ 1-Way Cassette

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

LSP Duct R32

- Fan with inverter motor; prevalence adjustable up to 40 Pa; thickness of just 200.
- 750 mmH₂O condensation drain pump (optional); antibacterial filter included.



Indoor Unit		AC026RNLDKG/EU	AC035RNLDKG/EU	AC052RNLDKG/EU	AC071RNLDKG/EU	
Outdoor Unit - Mono-Phase		AC026RXADKG/EU	AC035RXADKG/EU	AC052RXADKG/EU	AC071RXADKG/EU	
Outdoor Unit - Tri-Phase						
Capacity						
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)	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	3.2	3.9	5.9	7.8	
	Heating @ -15 °C	2.9	3.5	5.2	7.0	
Performance						
Energy Efficiency Cooling	SEER ¹	6.2/ A++	6.1/ A++	6.1/ A++	6.0/ A+	
	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 ¹	4.0/ A+	4.0/ A+	3.9/ A	3.9/ A	
	Power Consumption	kWh/a	700	700	862	1,328
	Pdesignh (average)	kW	2.0	2.0	2.4	3.7
	COP ¹	W/W	3.79	3.31	3.45	3.36
Airflow Rate	Indoor Unit (H/M/L)	m ³ /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
Electrical Data						
Power Source	Indoor Unit	Φ, #, V, Hz	1Φ, 2, 220-240 V, 50 Hz	1Φ, 2, 220-240 V, 50 Hz	1Φ, 2, 220-240 V, 50 Hz	1Φ, 2, 220-240 V, 50 Hz
	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)	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
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
	Cooling - Tri-Phase (Min/Std/Max)	A				
	Heating - Tri-Phase (Min/Std/Max)	A				
Dimensions						
Net Dimensions (W x H x D)	Indoor Unit	mm	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		AC026RNLDKG/EU	AC035RNLDKG/EU	AC052RNLDKG/EU	AC071RNLDKG/EU	
Outdoor Unit - Mono-Phase		AC026RXADKG/EU	AC035RXADKG/EU	AC052RXADKG/EU	AC071RXADKG/EU	
Outdoor Unit - Tri-Phase						
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 ₂	tCO ₂ 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

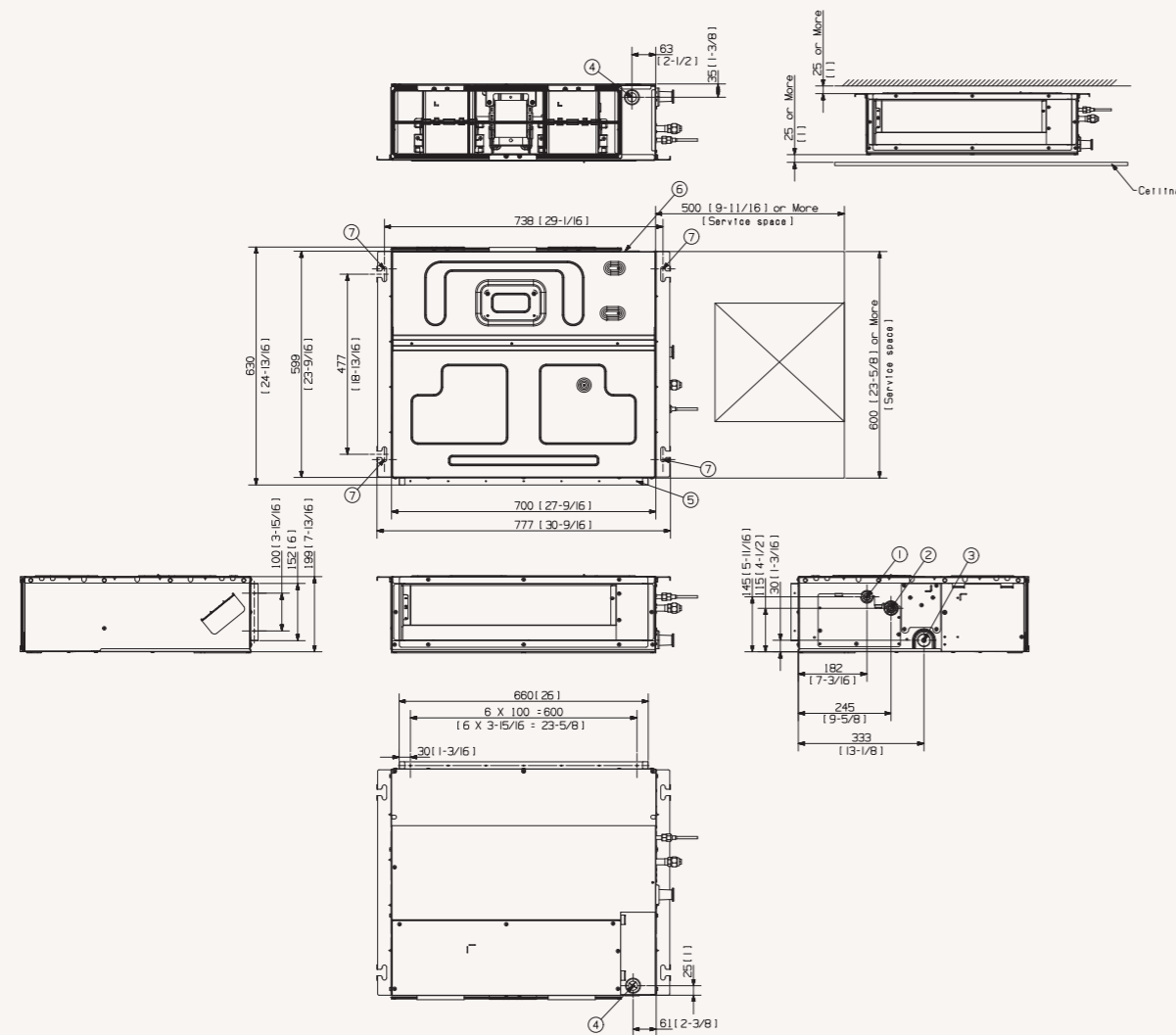
MDP-E075SEE3D	AR-EH03E (to be matched with MRK-A10N)	MWR-SH11N	MWR-WG00JN/ MWR-WG00KN	MIM-H04N	MRK-A10N (to be matched with AR-EH03E)	MRW-TA	MSD-EAN1

¹Energy labels as shown are according to EU No 626/2011 (LOT 10) label classification 2019, on a scale from D to A+++.

Dimensional drawings

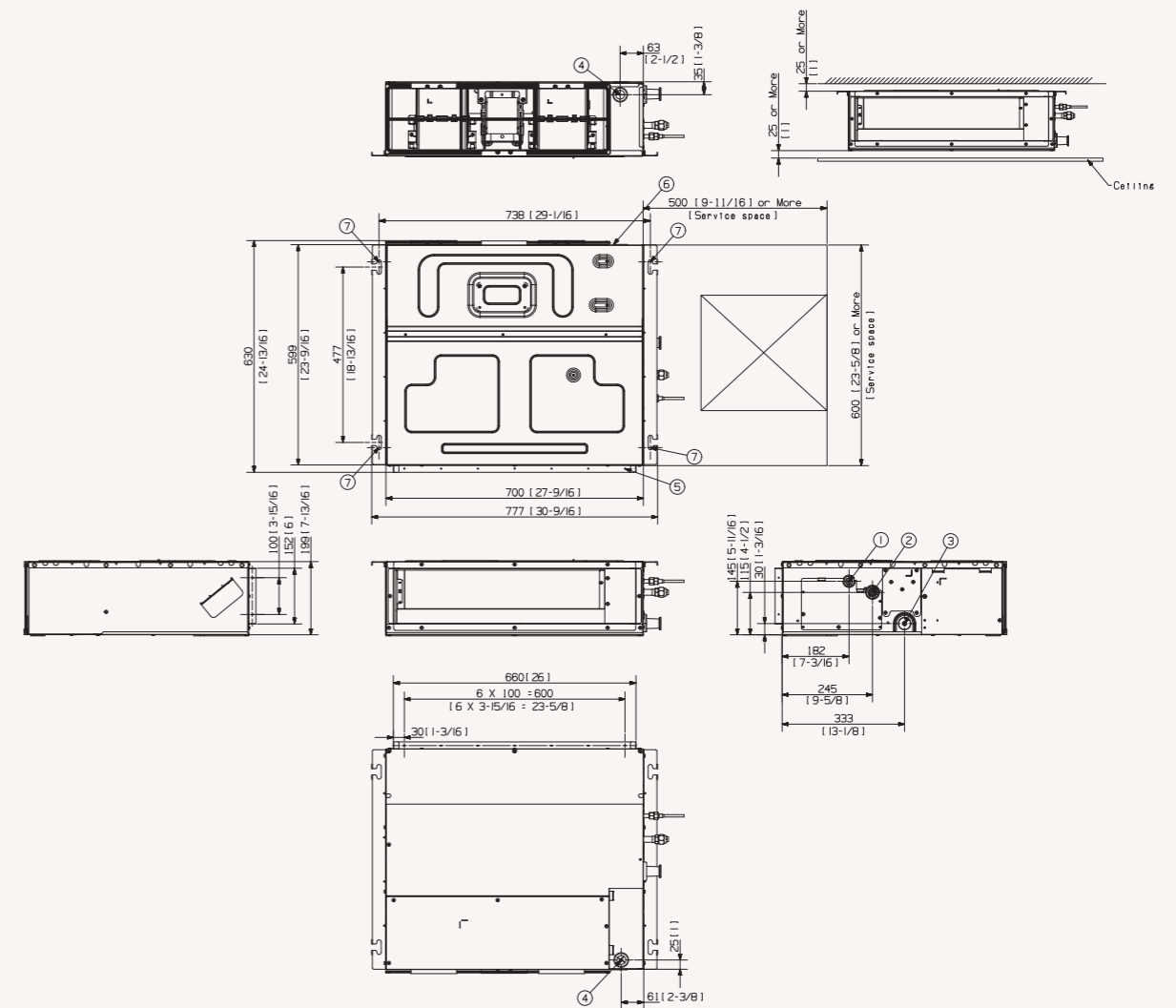
LSP Duct

AC026/035*NLDK*/EU



NO	Name	Description
1	Liquid piping	ø6.35 (1/4)
2	Gas piping	ø9.52 (3/8)
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)

AC052/071*NLDK*/EU



NO	Name	Description
1	Liquid piping	ø6.35 (1/4)
2	Gas piping	ø9.52 (3/8)
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 R32

- External static pressure range from 0 to 14 mmAq.
- Built-in electronic expansion valve (EEV) for refrigerant flow control (2000-step).
- Long-life washable permanent filter is included.
- Auto Restart function.
- Built-in condensation drain pump (750 mmH2O).
- SPI Ioniser (optional).



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			
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)	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	3.90	5.90	7.80	11.00	12.90	15.20
	Heating @ -15 °C	3.50	5.20	7.00	9.70	11.50	13.50
Performance							
Energy Efficiency Cooling	SEER ¹	6.2/ A++	6.3/ A++	6.1/ A++	5.9/ A+	5.8/ A+	6.0/ A+
	Power Consumption	198	278	390	593	TBA	-
	Pdesignc	3.5	5.0	6.8	10.0	TBA	-
	EER	TBA	TBA	2.93	2.90	2.66	2.90
Energy Efficiency Heating	SCOP ¹	4.0/ A+	4.1/ A+	4.0/ A+	4.0/ A+	4.0/ A+	4.0/ A+
	Power Consumption	700	820	1,295	1,820	TBA	-
	Pdesignh (average)	2.0	2.4	3.7	5.2	6.5	-
	COP ¹	TBC	TBC	3.20	3.20	3.42	3.34
Airflow Rate	Indoor Unit (H/M/L)	m ³ /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
Sound Power	Indoor Unit	dB(A)	52	55	56	58	62
	Outdoor Unit	dB(A)	61	62	65	69	70
Sound Pressure	Indoor Unit (H/M/L)	dB(A)	28/25/22	29/26/23	30/27/24	34/32/30	37/34/30
	Outdoor Unit (H/L)	dB(A)	48/48	48/48	51/49	54/52	56/54
Fan/Outdoor Unit	Type		Sirocco	Sirocco	Sirocco	Sirocco	Sirocco
	Power	W	153	153	153	153	153
	Number of Fans	-	2	2	2	3	3
External Static Pressure	Min/Std/Max	Pa	TBA	TBA	0.00/29.00/147.00	0.00/39.20/147.00	0.00/51.00/147.00
Operating Temperature Range	Cooling	°C	-15-46	-15-50	-15-50	-15-50	-15-50
	Heating	°C	-20.0-24.0	-20.0-24.0	-20.0-24.0	-20.0-24.0	-20.0-24.0
Electrical Data							
Power Source	Indoor Unit	Φ, #, V, Hz	1Φ, 2, 220-240 V, 50 Hz	1Φ, 2, 220-240 V, 50 Hz	1Φ, 2, 220-240 V, 50 Hz	1Φ, 2, 220-240 V, 50 Hz	1Φ, 2, 220-240 V, 50 Hz
	Outdoor Unit Mono-Phase	Φ, #, V, Hz	1Φ, 2, 220-240 V, 50 Hz	1Φ, 2, 220-240 V, 50 Hz	1Φ, 2, 220-240 V, 50 Hz	1Φ, 2, 220-240 V, 50 Hz	1Φ, 2, 220-240 V, 50 Hz
	Outdoor Unit Tri-Phase	Φ, #, V, Hz	-	-	3Φ, 4, 380-415 V, 50 Hz	3Φ, 4, 380-415 V, 50 Hz	3Φ, 4, 380-415 V, 50 Hz
Compressor Type	Outdoor Unit	Type	Single 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
	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
Current Input	Cooling (Min/Std/Max)	A	1.40/5.00/6.20	2.10/7.20/10.00	2.00/10.40/16.00	3.00/15.20/20.40	5.00/19.70/24.00
	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
	Cooling - Tri-Phase (Min/Std/Max)	A	-	-	-	1.5/5.3/7.1	1.9/6.9/10.0
	Heating - Tri-Phase (Min/Std/Max)	A	-	-	-	1.5/5.3/7.1	1.9/7.0/12.0
Dimensions							
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
	Outdoor Unit	mm	790 x 548 x 285	880 x 638 x 310	880 x 798 x 310	940 x 998 x 330	940 x 998 x 330



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			
Net Weight	Indoor Unit	kg	26.5	26.5	26.5	34.0	38.5
	Outdoor Unit	kg	32.5	43.0	51.0	75.0	81.0
Refrigerant							
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
	Charging Ton equivalent CO ₂	tCO ₂ e	0.61	0.81	1.15	1.82	1.82
	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
	Gas Pipe	ø, inch	3/8	1/2	5/8	5/8	5/8
Piping Length	Min/Max	m	3/20	3/30	3/50	50	75
Piping Height	Max	m	15	20	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						
	Net Dimensions (W x H x D)	mm					
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

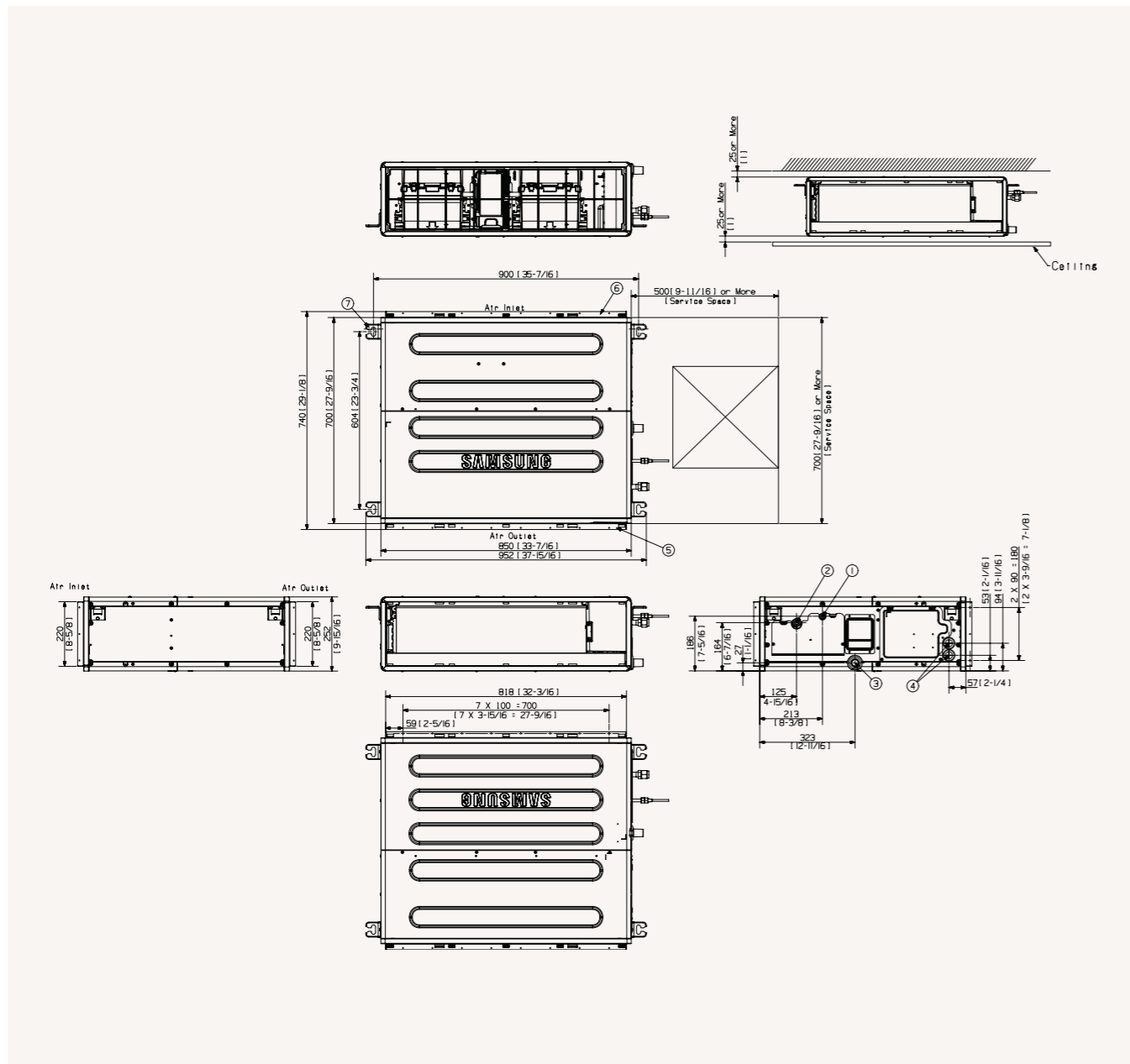
Accessories							
MDP-G075SP	MDP-G075SQ	AR-EH03E (to be matched with MRK-A10N)	MWR-SH11N	MWR-WG00JN/MWR-WG00KN	MIM-H04EN	MRK-A10N (to be matched with AR-EH03E)	MRW-TA
							MSD-EAN1

¹Energy labels as shown are according to EU No 626/2011 (LOT 10) label classification 2019, on a scale from D to A+++.

Dimensional drawings

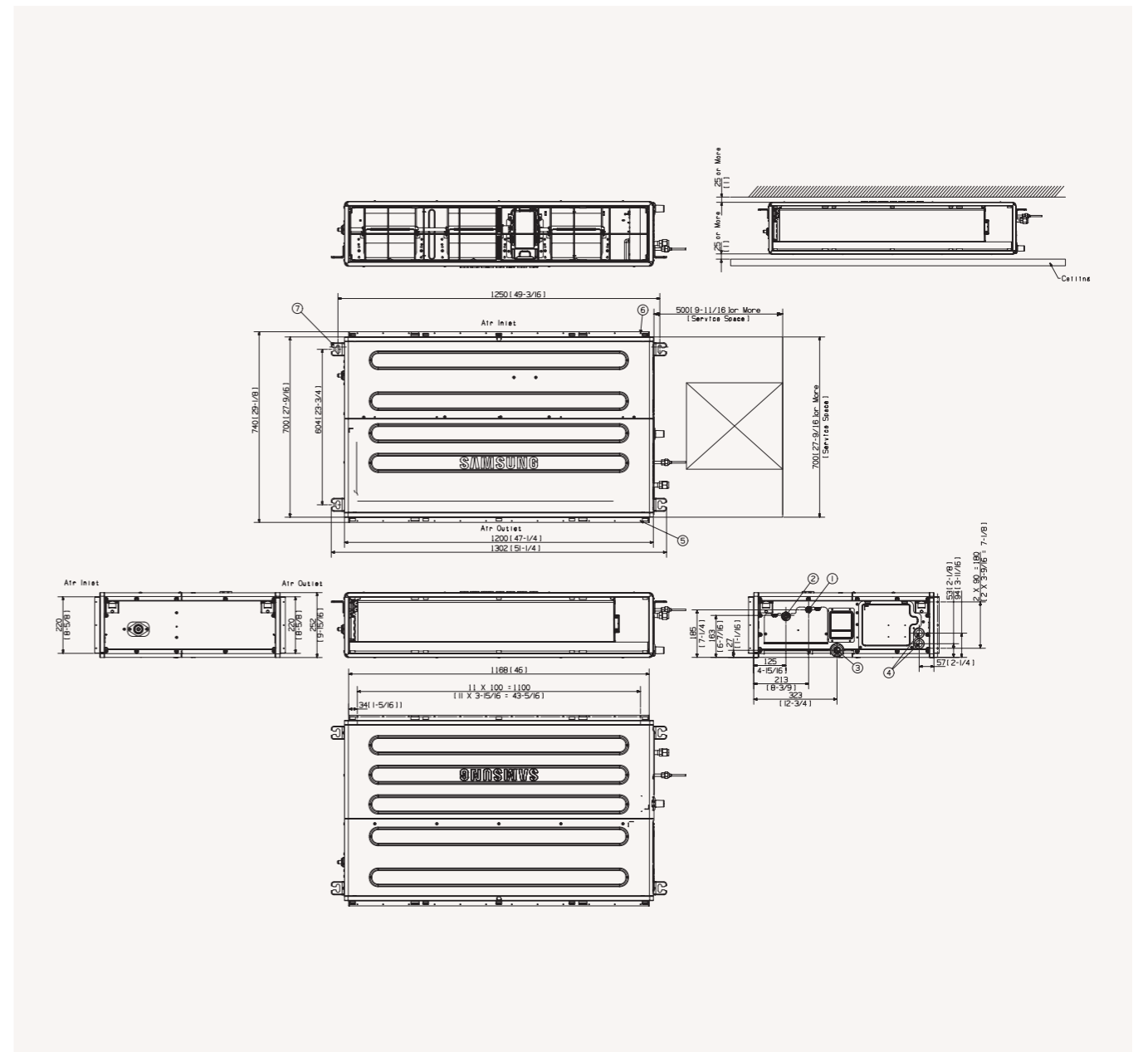
MSP Duct

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)	

AC090/100*NMDK*/EU

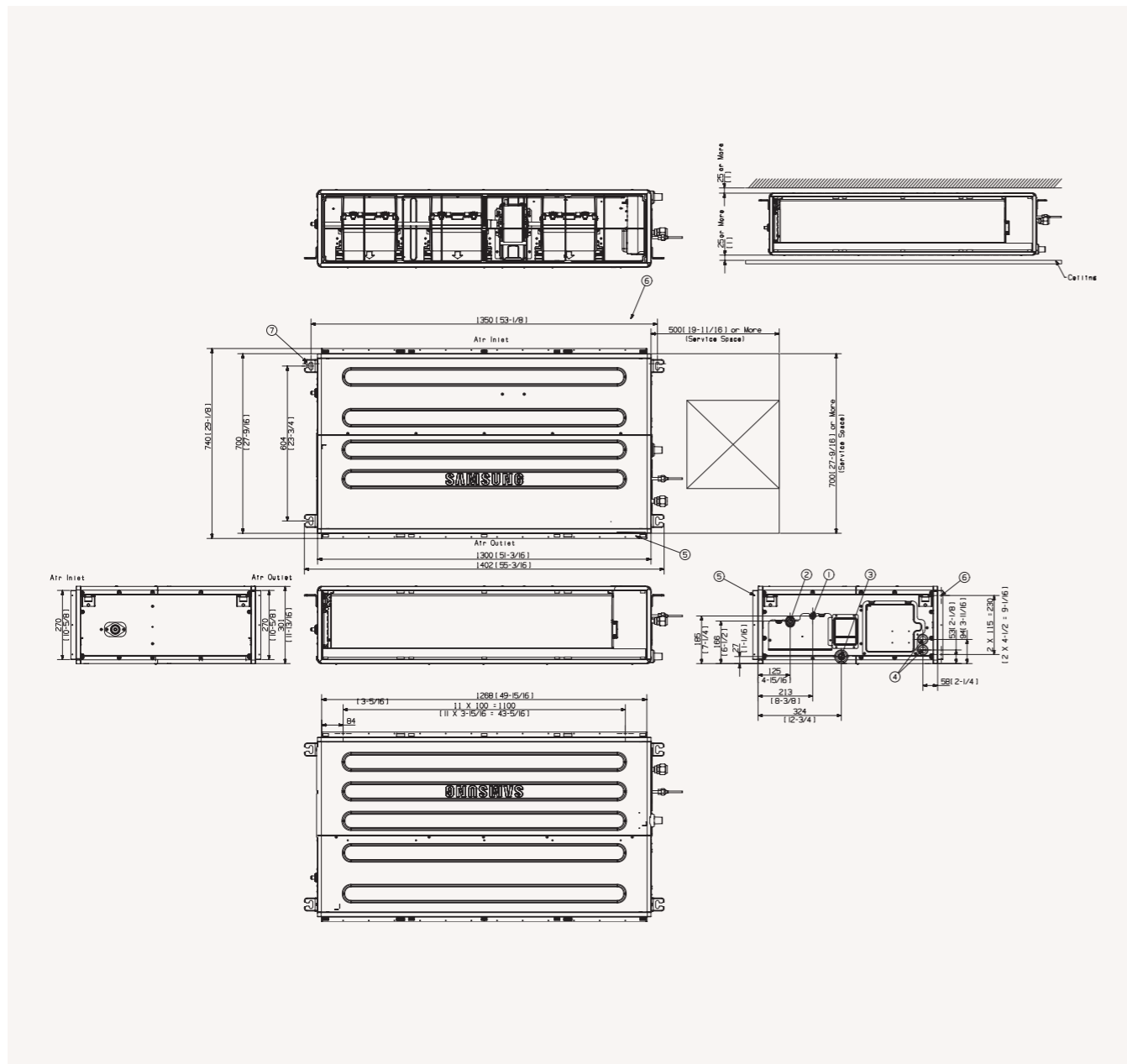


NO	Name	Description
		Description
1	Liquid piping	ø9.52 (3/8)
2	Gas piping	ø15.88 (5/8)
3	Condensation drain piping	VP25 (OD 32, ID 25)
4	Power supply/communication wiring conduits	
5	Air intake	
6	Air supply	
7	Air tie rods	Use M8-M10 bolt (4x)

Dimensional drawings

MSP Duct

AC035/052/060/071*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

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.
- Condensation drain pump (optional)



Indoor Unit			AC200KNHPKH/EU	AC250KNHPKH/EU
Outdoor Unit - Mono-Phase			AC200KXAPNH/EU	AC250KXAPNH/EU
Outdoor Unit - Tri-Phase				
Capacity				
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		-	-
Performance				
Energy Efficiency Cooling	SEER	W/W	-	-
	Power Consumption	kWh/a	-	-
	Pdesignc	kW	-	-
	EER	W/W	3.10	2.61
Energy Efficiency Heating	SCOP	W/W	-	-
	Power Consumption	kWh/a	-	-
	Pdesignh (average)	kW	-	-
	COP ¹	W/W	3.45	3.24
Airflow Rate	Indoor Unit (H/M/L)	m ³ /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
Electrical Data				
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
	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
Dimensions				
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	1,350 x 450 x 910	92.0
	Outdoor Unit	kg	154.0	154.0



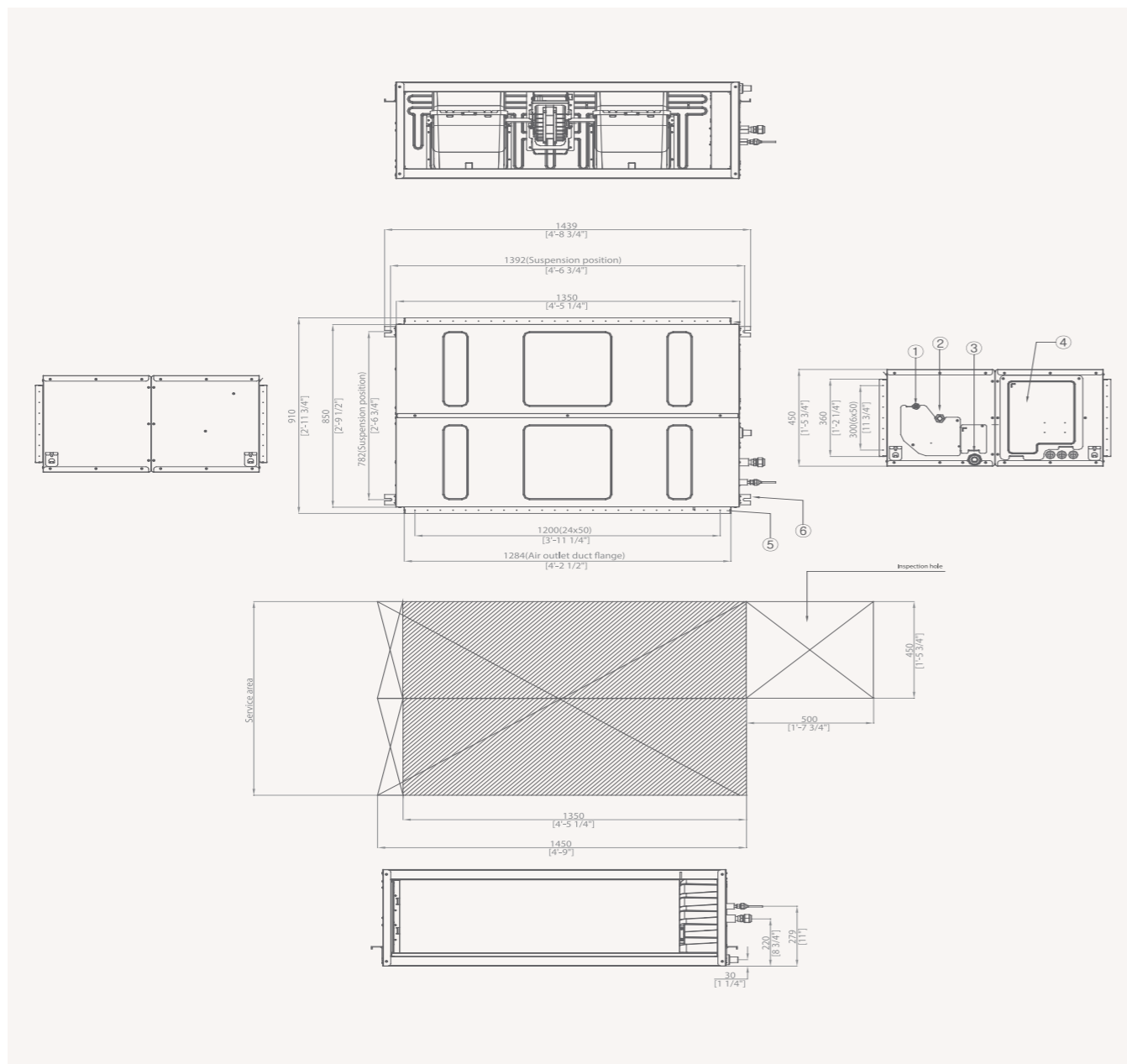
Indoor Unit			AC200KNHPKH/EU	AC250KNHPKH/EU
Outdoor Unit - Mono-Phase			AC200KXAPNH/EU	AC250KXAPNH/EU
Outdoor Unit - Tri-Phase				
Refrigerant				
Refrigerant	Type			
	Factory Charging	kg	6.60	6.60
	Charging Ton equivalent CO ₂	tCO ₂ e	13.78	13.78
	Additional Refrigerant Charging	g/m	-	-
Piping Connections	Liquid Pipe	ø, inch	3/8	3/8
	Gas Pipe	ø, inch	3/4	7/8
Piping Length	Min/Max	m	75	75
Piping Height	Max	m	30	30
Piping Connections	Drain Pipe	ø, mm	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		DC	DC
	Max. Lifting Height/Displacement	mm / litres/h		

Accessories							
Drain Pump (optional)	Drain Pump (optional)	Wireless Remote Controller	Touch Controller	Advanced Wired Controller	Wi-Fi Kit	Wireless Receiver Kit	External Thermostat
MDP-G075SP	MDP-G075SQ	AR-EH03E (to be matched with MRK-A10N)	MWR-SH11N	MWR-WG00JN/ MWR-WG00KN	MIM-H04EN	MRK-A10N (to be matched with AR-EH03E)	MRW-TA

Dimensional drawings

HSP Duct

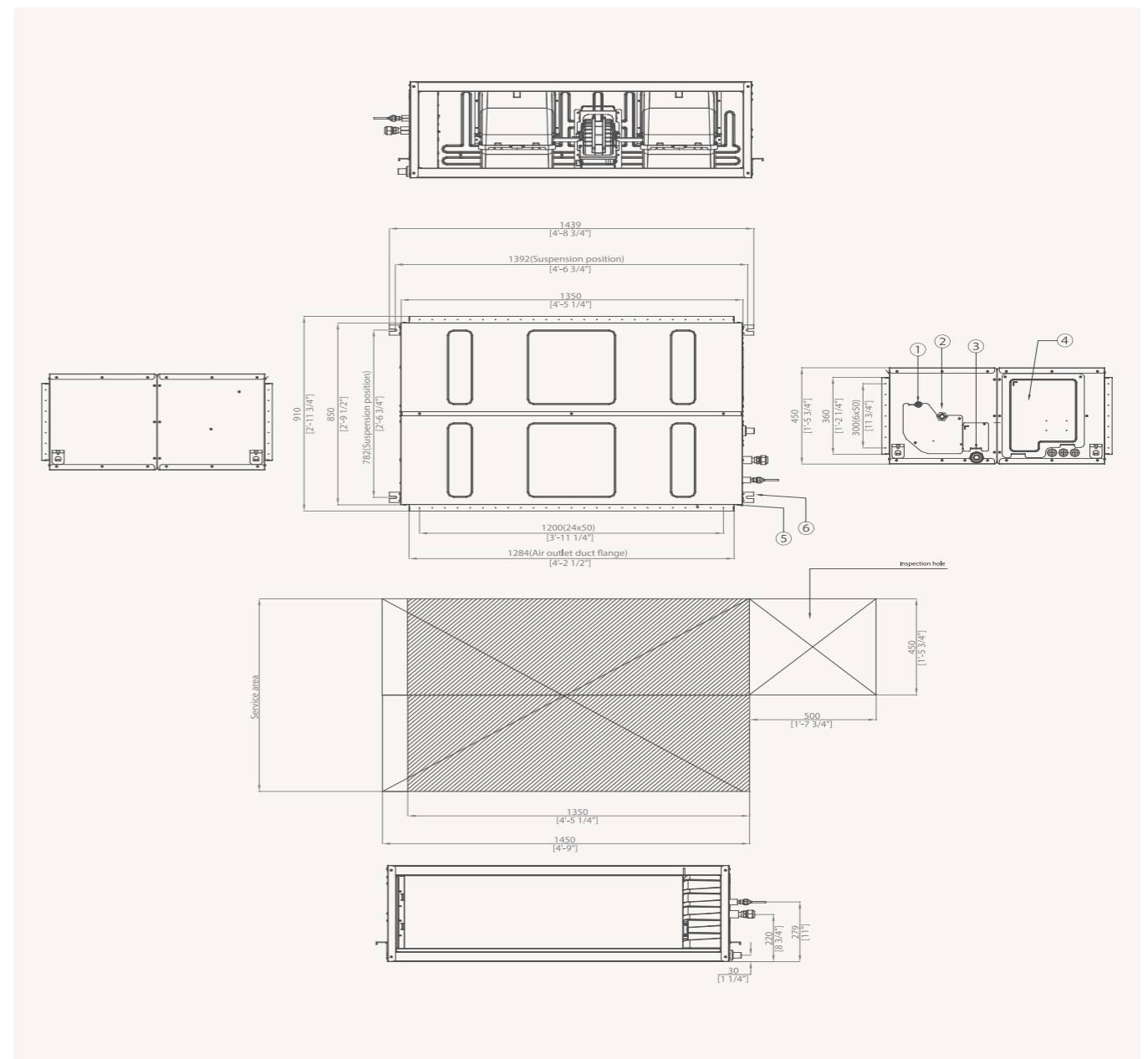
AC180JNHPKH/EU



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 (Big Duct)

AC200/250KNHPKH/EU



NO	Name	Description	
		AC200KNHPKH/EU	AC250KNHPKH/EU
1	Liquid piping	ø9.52 (3/8)	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		

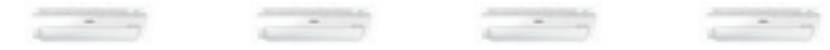
Specifications

Triangle Wall-Mounted R32

- Fan with inverter motor, HD Filter included.
- Good Sleep mode.




Indoor Unit		AC026RNADKG/EU	AC035RNADKG/EU	AC052RNADKG/EU	AC071RNADKG/EU	
Outdoor Unit - Mono-Phase		AC026RXADKG/EU	AC035RXADKG/EU	AC052RXADKG/EU	AC071RXADKG/EU	
Outdoor Unit - Tri-Phase						
Capacity						
Cooling	Cooling (Min/Nominal/Max)	kW	0.96/2.60/3.60	1.00/3.50/3.90	1.30/5.00/6.50	1.50/7.10/8.70
	Heating @ +7 °C (Min/Nominal/Max)	kW	1.00/3.30/4.00	1.10/4.00/4.70	1.50/6.00/6.25	1.90/8.00/9.00
	Heating @ -5 °C	kW	3.2	3.9	5.9	7.8
	Heating @ -15 °C	kW	2.90	3.50	5.20	7.00
Performance						
Energy Efficiency Cooling	SEER ¹	W/W	6.6/ A++	6.5/ A++	6.2/ A++	6.4/ A++
	Power Consumption	kWh/a	138	188	282	388
	Pdesignc	kW	2.6	3.5	5.0	6.4
	EER	W/W	3.51	3.18	2.27	3.02
Energy Efficiency Heating	SCOP ¹	W/W	4.0/ A+	4.0/ A+	3.9/ A	4.0/ A+
	Power Consumption	kWh/a	700	700	862	1,260
	Pdesignh (average)	kW	2.0	2.0	2.4	3.6
	COP ¹	W/W	3.00	2.58	2.79	3.27
Airflow Rate	Indoor Unit (H/M/L)	m ³ /min	7.7/6.2/5.0	8.5/7.2/5.8	10.7/9.0/7.2	17.1/14.5/12.4
Sound Power	Indoor Unit	dB(A)	56	59	60	61
	Outdoor Unit	dB(A)	59	61	62	65
Sound Pressure	Indoor Unit (H/M/L/Silent)	dB(A)	36/30/24/21	38/32/26/20	42/37/32/25	43/39/35/30
	Outdoor Unit (H/L)	dB(A)	47/46	61/48	48/48	51/49
Fan/Outdoor Unit	Type		Crossflow Fan	Crossflow Fan	Crossflow Fan	Crossflow Fan
	Power	W	27	27	27	27
	Number of Fans	-	1	1	1	1
External Static Pressure	Min/Std/Max	Pa				
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
Electrical Data						
Power Source	Indoor Unit	Φ, #, V, Hz	1Φ, 2, 220-240 V, 50 Hz	1Φ, 2, 220-240 V, 50 Hz	1Φ, 2, 220-240 V, 50 Hz	1Φ, 2, 220-240 V, 50 Hz
	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	Indoor Unit	Type	Single BLDC	Single BLDC	Twin BLDC	Twin BLDC
Power (Min/Nominal/Max)	Cooling	kW	0.18/0.74/1.20	0.19/1.10/1.30	0.40/2.20/2.30	0.35/2.35/3.60
	Heating	kW	0.21/1.10/1.45	0.23/1.55/1.80	0.34/2.15/3.15	0.35/2.45/3.95
Current Input	Cooling (Min/Std/Max)	A	1.4/3.7/5.5	1.4/5.3/6.0	2.6/9.6/10.1	2.0/10.3/16.0
	Heating (Min/Std/Max)	A	1.3/5.1/7.0	1.4/6.9/10.5	2.3/9.4/14.0	2.0/10.7/17.0
	Cooling - Tri-Phase (Min/Std/Max)	A				
	Heating - Tri-Phase (Min/Std/Max)	A				
Dimensions						
Net Dimensions (W x H x D)	Indoor Unit	mm	750 x 249 x 246	750 x 249 x 246	896 x 261 x 261	1,065 x 294 x 301
	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	7.6	7.6	10.8	14.4
	Outdoor Unit	kg	32.5	32.5	43.0	51.0



Indoor Unit		AC026RNADKG/EU	AC035RNADKG/EU	AC052RNADKG/EU	AC071RNADKG/EU	
Outdoor Unit - Mono-Phase		AC026RXADKG/EU	AC035RXADKG/EU	AC052RXADKG/EU	AC071RXADKG/EU	
Outdoor Unit - Tri-Phase						
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 ₂	tCO ₂ 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	ID18	ID18	ID18	ID18

Accessories

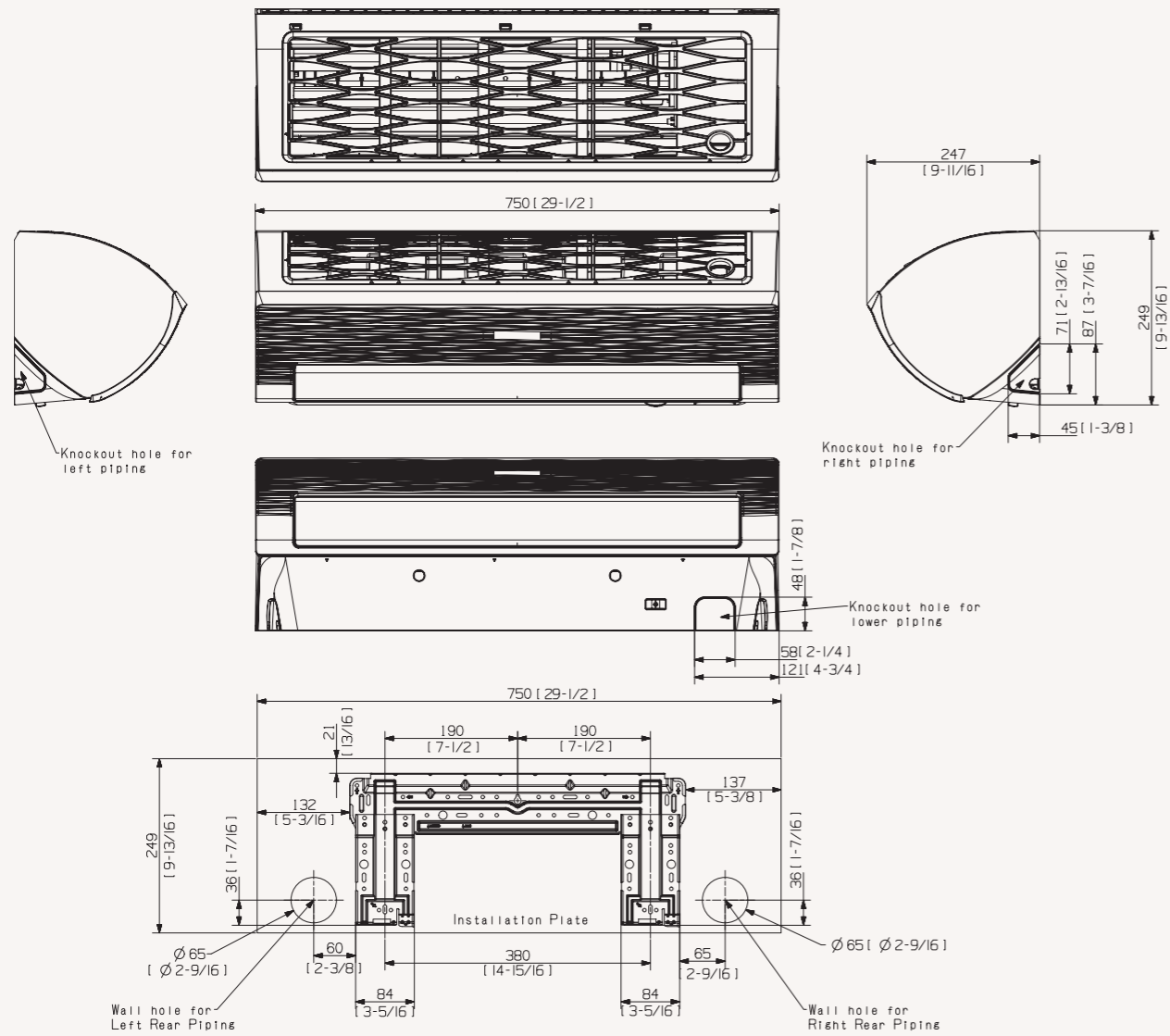
				
Wireless Remote Controller	Touch Controller	Advanced Wired Controller	Wi-Fi Kit	External Thermostat
AR-EH03E	MWR-SH11N	MWR-WE13N	MIM-H04EN	MRW-TA

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

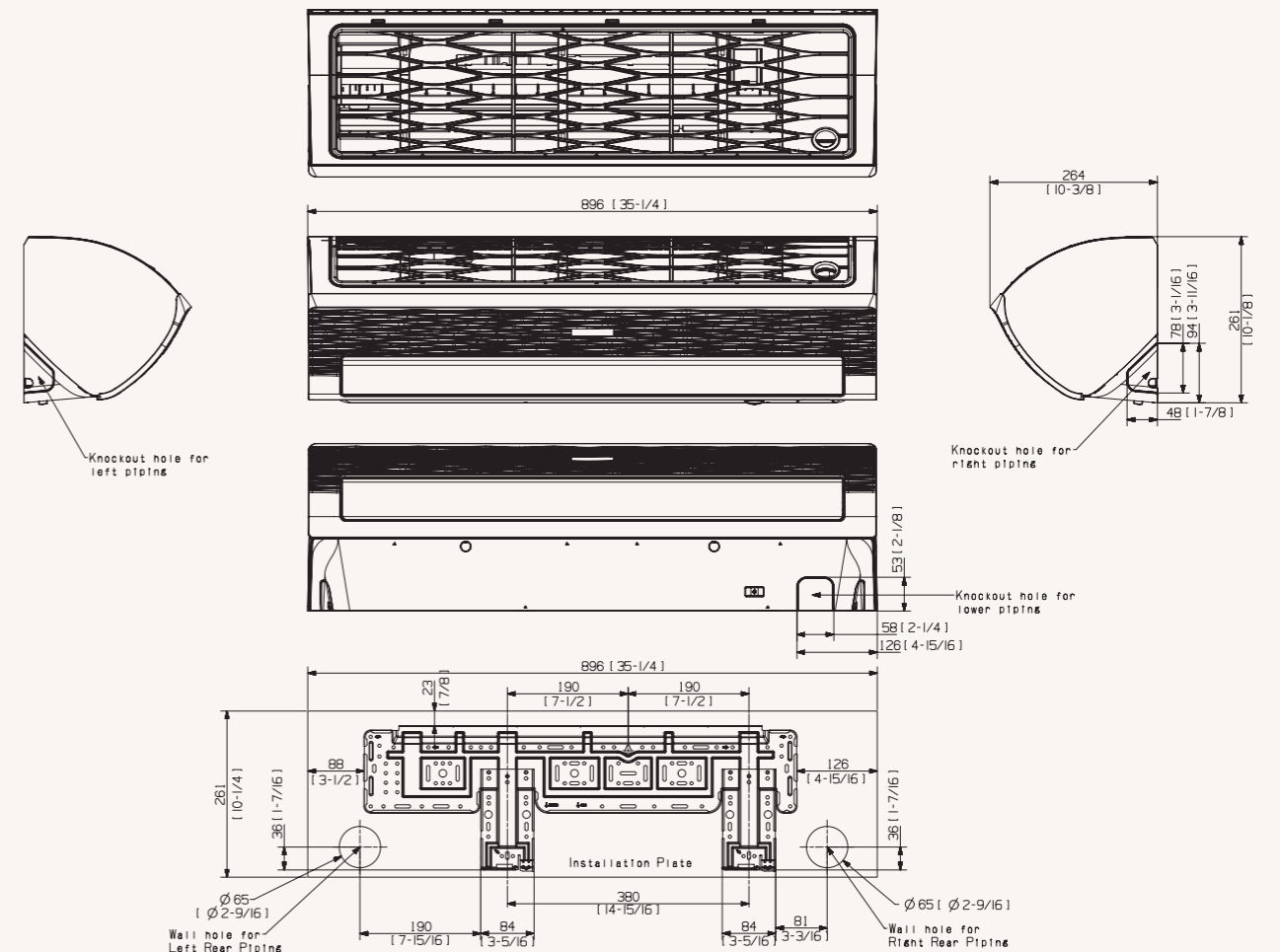
Dimensional drawings

Triangle Wall-Mounted

AC026/035*NADK*/EU



AC052*NADK*/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 ¹	W/W	5.9/ A+
	Power Consumption	kWh/a	564
	Pdesignnc	kW	9.5
	EER	W/W	2.53
Energy Efficiency Heating	SCOP ¹	W/W	4.0/ A+
	Power Consumption	kWh/a	1,960
	Pdesignh (average)	kW	5.6
	COP ¹	W/W	2.82
Airflow Rate	Indoor Unit (H/M/L)	m ³ /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
External Static Pressure	Min/Std/Max	Pa	
Operating Temperature Range	Cooling	°C	-15-50
	Heating	°C	-20.0-24.0
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
	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 ₂	tCO ₂ 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

MWR-SH11N



Advanced Wired Controller

MWR-WG00JN/MWR-WG00KN



Wi-Fi Kit

MIM-H04EN



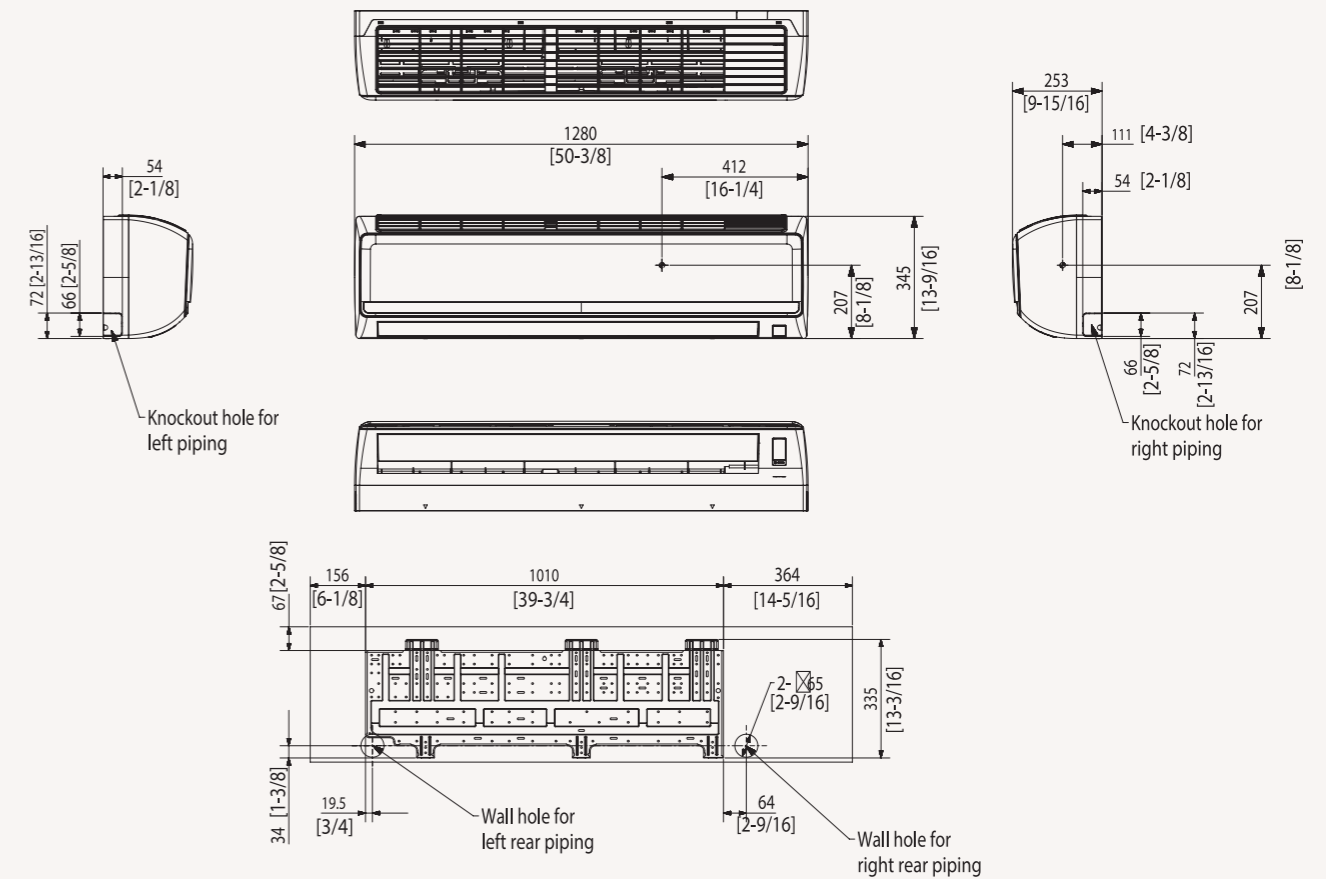
External Thermostat

MRW-TA

Dimensional drawings

Max Wall-Mounted

AC100*NTD**/EU



Specifications

Console R32

- SPI Ioniser (included).
- Slim design: only 100 mm in width.
- Built-in electronic expansion valve (EEV) for refrigerant flow control (2000-step).

- Two separate air outlets, upper (cooling) and bottom (heating) to avoid stratification.
- Long-life washable permanent filter.
- Auto Restart function.



Indoor Unit		AC026RNJDKG/EU	AC035RNJDKG/EU	AC052RNJDKG/EU	
Outdoor Unit - Mono-Phase		AC026RXADKG/EU	AC035RXADKG/EU	AC525RXADKG/EU	
Outdoor Unit - Tri-Phase					
Capacity					
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	
Performance					
Energy Efficiency Cooling	SEER ¹	W/W	6.4/ A++	6.1/ A++	5.9/ A+
	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 ¹	W/W	4.2/ A+	4.1/ A+	4.0/ A+
	Power Consumption	kWh/a	667	683	840
	Pdesignh (average)	kW	2.0	2.0	2.4
	COP ¹	W/W	3.30	3.07	3.01
Airflow Rate	Indoor Unit (H/M/L)	m ³ /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
External Static Pressure	Min/Std/Max	Pa			
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
Electrical Data					
Power Source	Indoor Unit	Φ, #, V, Hz	1Φ, 2, 220-240 V, 50 Hz	1Φ, 2, 220-240 V, 50 Hz	1Φ, 2, 220-240 V, 50 Hz
	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
		A	1.3/5.0/7.0	1.3/5.9/10.5	2.3/8.3/14.0
	Cooling - Tri-Phase (Min/Std/Max)	A			
		A			
Heating - Tri-Phase (Min/Std/Max)	A				
	A				
Dimensions					
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
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
	Charging Ton equivalent CO ₂	tCO ₂ 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
	Max	m	15	15	20
Piping Connections	Drain Pipe	ø, mm	ID 18	ID 18	ID 18

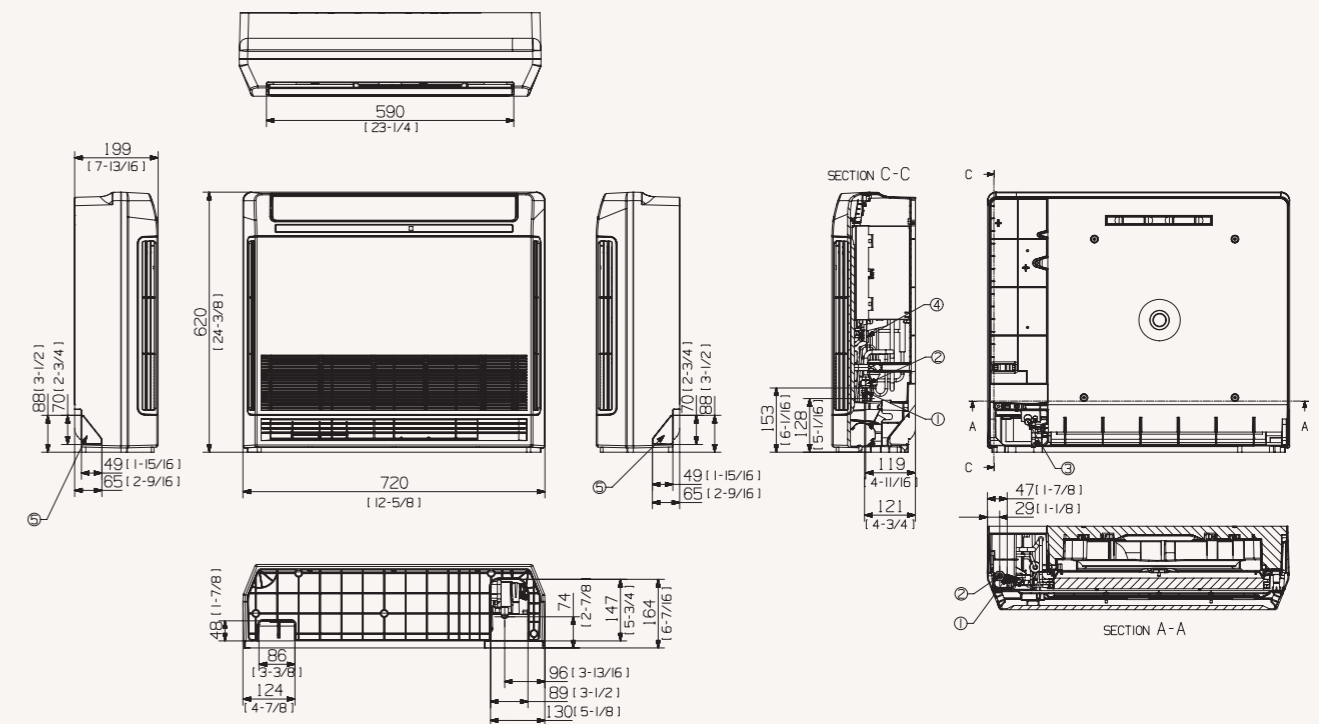
Accessories

-  Touch Controller
MWR-SH11N
-  Advanced Wired Controller
MWR-WG00JN/MWR-WG00KN
-  Wi-Fi Kit
MIM-H04EN
-  External Thermostat
MRW-TA

Dimensional drawings

Console

AC026/035/052*NJDK*/EU



NO	Name	Description	
		AC026*NJDK*/EU	AC035*NJDK*/EU AC052*NJDK*/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

Ceiling R32

- Vertical or 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		AC052RNCCKG/EU	AC071RNCCKG/EU
Outdoor Unit - Mono-Phase		AC052RXADKG/EU	AC071RXADKG/EU
Outdoor Unit - Tri-Phase			
Capacity			
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
Performance			
Energy Efficiency Cooling	SEER ¹	W/W 6.1/ A++	5.6/ A+
	Power Consumption	kWh/a 273	444
	Pdesignc	kW 5.0	7.1
	EER	W/W 3.05	2.42
Energy Efficiency Heating	SCOP ¹	W/W 3.9/A	3.9/A
	Power Consumption	kWh/a 862	1,256
	Pdesignh (average)	kW 2.4	3.5
	COP ¹	W/W 3.37	2.74
Airflow Rate	Indoor Unit (H/M/L)	m ³ /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
External Static Pressure	Min/Std/Max	Pa	
Operating Temperature Range	Cooling	°C -15-50	-15-50
	Heating	°C -20.0-24.0	-20.0-24.0
Electrical Data			
Power Source	Indoor Unit	Φ, #, V, Hz 1Φ, 2, 220-240 V, 50 Hz	1Φ, 2, 220-240 V, 50 Hz
	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
	Cooling - Tri-Phase (Min/Std/Max)	A	
	Heating - Tri-Phase (Min/Std/Max)	A	
Dimensions			
Net Dimensions (W x H x D)	Indoor Unit	mm 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
Refrigerant			
Refrigerant	Type	R32 (contains fluorinated greenhouse gases. GWP = 675)	
	Factory Charging	kg 1.2/10 m	1.7/15 m
	Charging Ton Equivalent CO ₂	tCO ₂ 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

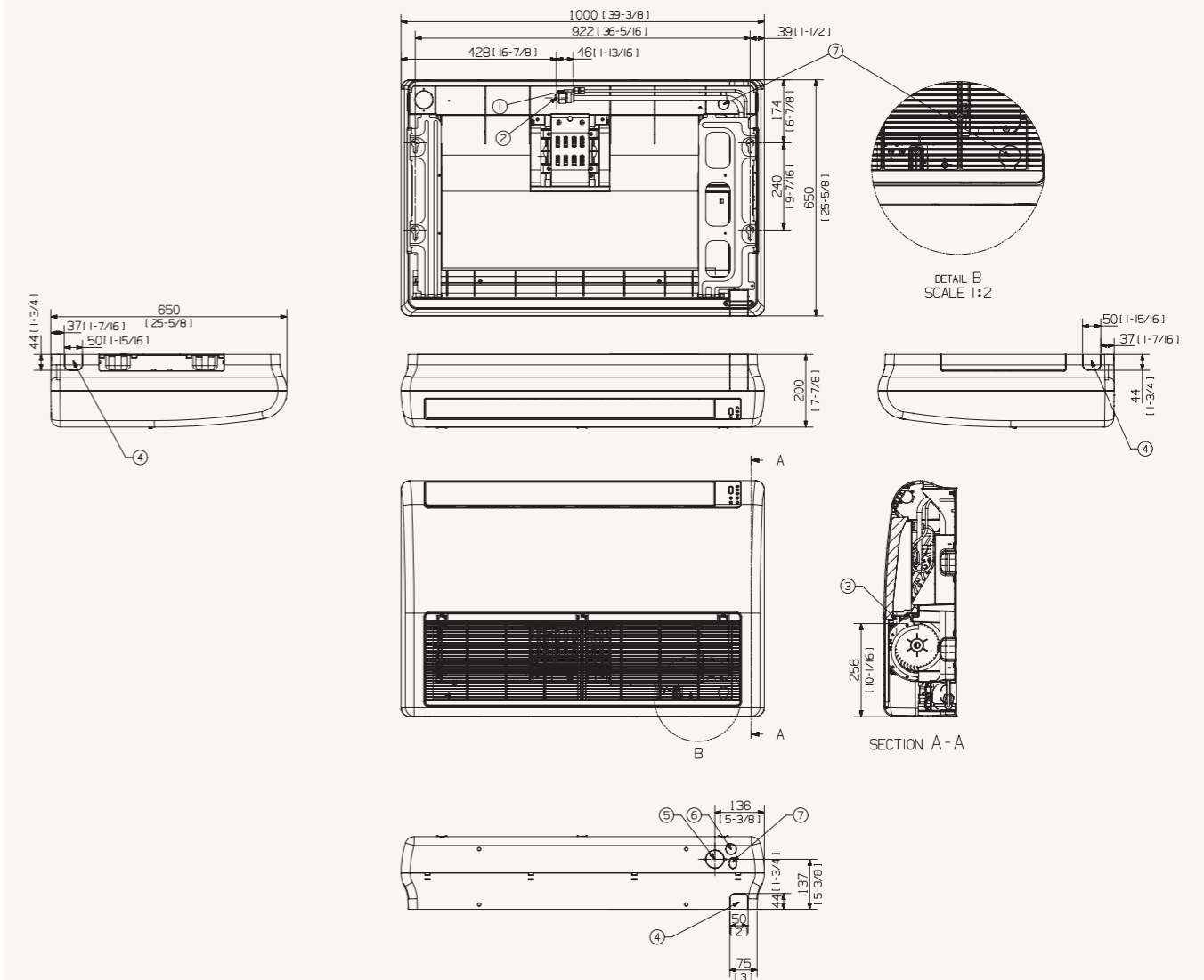
Accessories

-  Touch Controller
MWR-SH11N
-  Advanced Wired Controller
MWR-WG00JN/MWR-WG00KN
-  Wi-Fi Kit
MIM-H04EN
-  External Thermostat
MRW-TA

Dimensional drawings

Ceiling

AC052/071*NCCK*/EU



NO	Name	Description
		AC052MNCCKH/EU
		AC071MNCCKH/EU
1	Liquid piping	ø6.35 (1/4)
2	Gas piping	ø12.70 (1/2)
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

Big Ceiling R32

- Vertical or 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		AC100RNCDKG/EU	AC120RNCDKG/EU	AC140RNCDKG/EU
Outdoor Unit - Mono-Phase		AC100RXADKG/EU	AC120RXADKG/EU	AC140RXADKG/EU
Outdoor Unit - Tri-Phase		AC100RXADNG/EU	AC120RXADNG/EU	AC140RXADNG/EU
Capacity				
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
Performance				
SEER ¹	W/W	6.1/ A++	5.9/ A+	6.1/ A++
Power Consumption	kWh/a	574	TBA	-
Pdesignc	kW	10.0	TBA	-
EER	W/W	3.05	2.76	2.97
SCOP ¹	W/W	4.0/ A+	4.0/ A+	4.0/ A+
Power Consumption	kWh/a	1,820	TBA	-
Pdesignh (average)	kW	5.2	6.5	-
COP ¹	W/W	3.44	3.44	3.41
Airflow Rate	Indoor Unit (H/M/L)	m ³ /min	26.0/23.0/19.0	26.0/23.0/19.0
Sound Power	Indoor Unit	dB(A)	60	62
	Outdoor Unit	dB(A)	69	70
Sound Pressure	Indoor Unit (H/M/L)	dB(A)	42/38/34	44/41/37
	Outdoor Unit (H/L)	dB(A)	54/52	56/54
Fan/Outdoor Unit	Type	Sirocco	Sirocco	Sirocco
	Power	W	244	244
	Number of Fans	-	4	4
External Static Pressure	Min/Std/Max	Pa		
Operating Temperature Range	Cooling	°C	-15-50	-15-50
	Heating	°C	-20.0-24.0	-20.0-24.0
Electrical Data				
Power Source	Indoor Unit	Φ, #, V, Hz	1Φ, 2, 220-240 V, 50 Hz	1Φ, 2, 220-240 V, 50 Hz
	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	3Φ, 4, 380-415 V, 50 Hz
Compressor Type	Outdoor Unit	Type	Twin BLDC	Twin BLDC
Power (Min/Nominal/Max)	Cooling	kW	0.60/3.28/4.70	0.90/4.35/5.30
	Heating	kW	0.46/3.25/5.40	0.70/3.83/5.60
Current Input	Cooling (Min/Std/Max)	A	3.0/14.6/20.4	5.1/19.1/24.0
	Heating (Min/Std/Max)	A	2.5/14.2/23.0	3.9/17.0/26.0
	Cooling - Tri-Phase (Min/Std/Max)	A	1.5/5.0/7.1	1.7/6.6/10.0
	Heating - Tri-Phase (Min/Std/Max)	A	1.2/5.1/8.4	1.5/6.2/12.0
Dimensions				
Net Dimensions (W x H x D)	Indoor Unit	mm	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
Net Weight	Indoor Unit	kg	42.0	41.5
	Outdoor Unit	kg	75.0	81.0
Refrigerant				
Refrigerant	Type	R32 (contains fluorinated greenhouse gases. GWP = 675)		
	Factory Charging	kg	2.7/30 m	2.9/30 m
	Charging Ton equivalent CO ₂	tCO ₂ e	1.82	1.82
	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	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)

Accessories



Touch Controller

MWR-SH11N



Advanced Wired Controller

MWR-WG00JN/MWR-WG00KN



Wi-Fi Kit

MIM-H04EN



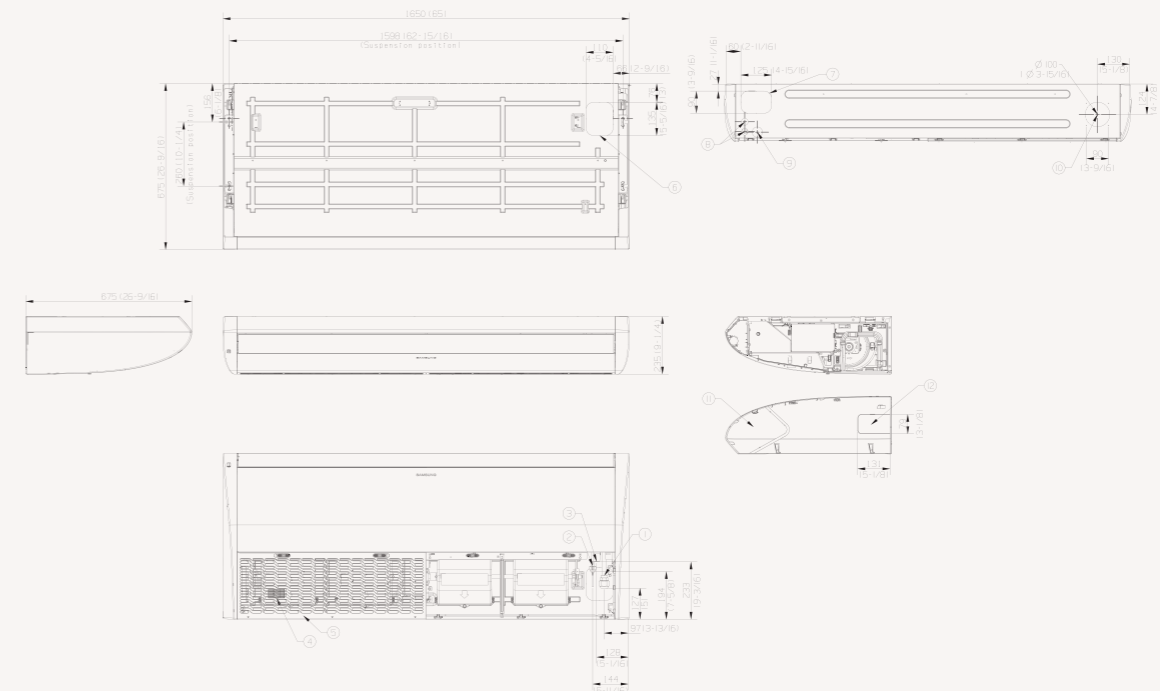
External Thermostat

MRW-TA

Dimensional drawings

Big Ceiling

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 [11/8]
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)

- Built-in electronic expansion valve (EEV) for refrigerant flow control (2000-step).
- 'Silent' operation (sound pressure at low fan speed: 30-32 dB(A)).
- Long-life washable permanent filter.

- Auto Restart function.



Indoor Unit			AC100KNPDEH/EU	AC140KNPDEH/EU
Outdoor Unit - Mono-Phase			AC100KXADEH/EU	-
Outdoor Unit - Tri-Phase			-	AC140KXADGH/EU
Capacity				
Cooling	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
Performance				
Energy Efficiency Cooling	SEER ¹	W/W	5.8/ A+	-
	Power Consumption	kWh/a	603	-
	Pdesignc	kW	10.0	-
	EER	W/W	2.7	3.1
Energy Efficiency Heating	SCOP ¹	W/W	4.1/ A+	-
	Power Consumption	kWh/a	1,810	-
	Pdesignh (average)	kW	5.3	-
	COP ¹	W/W	3.30	3.44
Airflow Rate	Indoor Unit (H/M/L)	m ³ /min	29.0	35.5
Sound Power	Indoor Unit	dB(A)	60	63
	Outdoor Unit	dB(A)	70	70
Sound Pressure	Indoor Unit (H/M/L)	dB(A)	47/44/41	51/48/45
	Outdoor Unit (H/L)	dB(A)	55/53	54/53
Fan/Outdoor Unit	Type		Sirocco	Sirocco
	Power	W	97	154
	Number of Fans		1	1
External Static Pressure	Min/Std/Max	Pa		
Operating Temperature Range	Cooling	°C	-15-50	-15-50
	Heating	°C	-20.0-24.0	-20.0-24.0
Electrical Data				
Power Source	Indoor Unit	Φ, #, V, Hz	1Φ, 2, 220-240 V, 50 Hz	1Φ, 2, 220-240 V, 50 Hz
	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
Current Input	Heating	kW	0.90/3.39/4.50	0.70/4.50/6.60
	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
	Cooling - Tri-Phase (Min/Std/Max)	A		
Heating - Tri-Phase (Min/Std/Max)	A			
	A			
Dimensions				
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
Refrigerant				
Refrigerant	Type		R410A (contains fluorinated greenhouse gases. GWP = 2.088)	
	Factory Charging	kg	3.0	3.5
	Charging Ton equivalent CO ₂	tCO ₂ 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

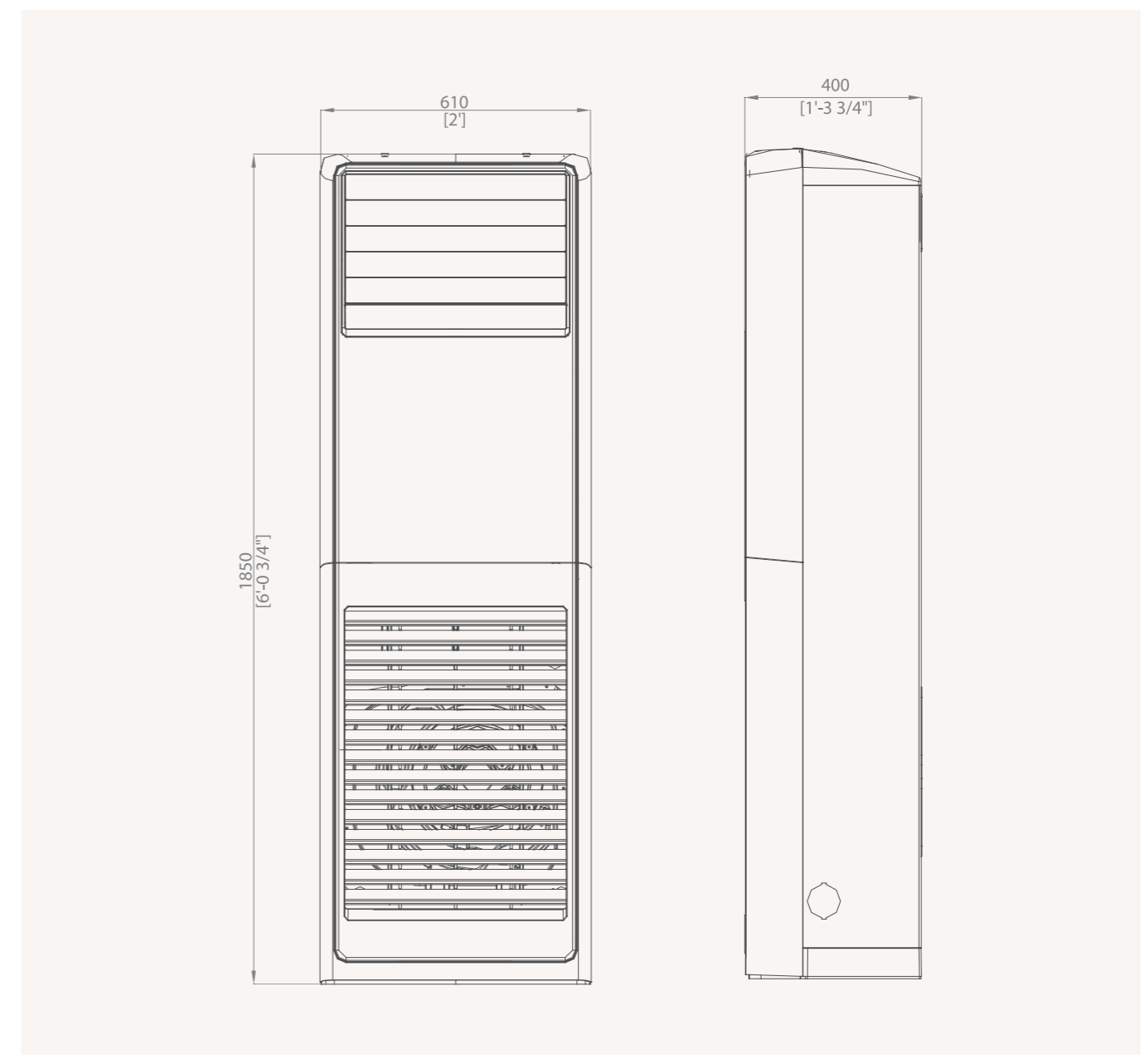
Accessories	
	Touch Controller MWR-SH11N
	Advanced Wired Controller MWR-WG00JN/MWR-WG00KN
	Wi-Fi Kit MIM-H04EN
	External Thermostat MRW-TA

¹ 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)

AC100KNPDEH/EU, AC140KNPDEH/EU



NO	Name	Description
1	Gas piping refrigerant	ø15.88 (5/8)
2	Liquid piping refrigerant	ø9.52 (3/8)
3	Condensation drain piping	

Specifications

4-Way Cassette (R410A High Efficiency)

- Four-way air supply via independently adjustable blades
- Adjustable blade angle between 35° and 63°
- Built-in condensation drain pump (750 mmH2O).
- Compatible with Wi-Fi Kit controller.
- SPI Ioniser (optional).
- Motion Detect Sensor (optional).



Indoor Unit	AC071JN4CEH/EU	AC100JN4CEH/EU	AC125JN4CEH/EU
Outdoor Unit - Mono-Phase	AC071JXSCEH/EU	AC100JXSCEH/EU	-
Outdoor Unit - Tri-Phase	-	AC100JXSCGH/EU	AC125JXSCGH/EU

Capacity			AC071JN4CEH/EU	AC100JN4CEH/EU	AC125JN4CEH/EU
Cooling (Min/Nominal/Max)	kW		1.70/7.10/8.50	2.20/10.00/12.00	2.20/12.50/14.00
	Heating up to +7 °C (Min/Nominal/Max)	kW	3.00/8.00/11.00	3.30/11.20/17.00	3.30/14.00/19.00
Performance					
Energy Efficiency Cooling	SEER ¹	W/W	6.7/ A++	7.0/ A++	-
	Power Consumption	kWh/a	371	500	-
	Pdesignc	kW	7.1	10.0	-
	EER	W/W	3.94	3.65	3.21
Energy Efficiency Heating	SCOP ¹	W/W	4.0/ A+	4.1/ A+	-
	Power Consumption	kWh/a	2,414	2,494	-
	Pdesignh (average)	kW	6.9	7.3	-
	COP ¹	W/W	4.02	4.01	3.71
Airflow Rate	Indoor Unit (H/M/L)	m ³ /min	19.50/17.50/15.50	30.00/24.00/18.90	30.00/24.00/18.90
Sound Power	Indoor Unit	dB(A)	53	59	60
	Outdoor Unit	dB(A)	65	66	69
Sound Pressure	Indoor Unit (H/M/L)	dB(A)	36/33/30	43/38/33	44/39/34
	Outdoor Unit (H/L)	dB(A)	49/49	50/50	52/52
Fan/Outdoor Unit	Type		Turbo	Turbo	Turbo
	Power	W	97	97	97
	Number of Fans	-	1	1	1
External Static Pressure	Min/Std/Max	Pa			
Operating Temperature Range	Cooling	°C	-20.0-50.0	-20.0-50.0	-20.0-50.0
	Heating	°C	-25-24	-25-24	-25-24
Electrical Data					
Power Source	Indoor Unit	Φ, #, V, Hz	1Φ, 2, 220-240 V, 50 Hz	1Φ, 2, 220-240 V, 50 Hz	1Φ, 2, 220-240 V, 50 Hz
	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
Compressor Type	Outdoor Unit	Type	Twin BLDC Rotary	Twin BLDC Rotary	Twin BLDC Rotary
Power (Min/Nominal/Max)	Cooling	kW	0.71/1.80/2.20	0.74/2.74/3.54	0.74/3.89/4.25
	Heating	kW	0.68/1.99/5.08	0.68/2.79/6.90	0.68/3.77/7.20
Current Input	Cooling (Min/Std/Max)	A	3.60/8.10/10.00	3.60/12.00/15.60	
	Heating (Min/Std/Max)	A	3.40/9.00/22.00	3.30/12.40/30.00	
	Cooling - Tri-Phase (Min/Std/Max)	A		1.40/4.40/5.50	1.40/6.00/6.60
	Heating - Tri-Phase (Min/Std/Max)	A		1.30/4.50/11.00	1.30/6.00/11.00
Dimensions					
Net Dimensions (W x H x D)	Indoor Unit	mm	840 x 288 x 840	840 x 288 x 840	840 x 288 x 840
	Outdoor Unit	mm	940 x 1,420 x 330	940 x 1,420 x 330	940 x 1,420 x 330
Net Weight	Indoor Unit	kg	18.0	20.0	20.0
	Outdoor Unit	kg	96.0	96.0	96.0



Indoor Unit	AC071JN4CEH/EU	AC100JN4CEH/EU	AC125JN4CEH/EU
Outdoor Unit - Mono-Phase	AC071JXSCEH/EU	AC100JXSCEH/EU	-
Outdoor Unit - Tri-Phase	-	AC100JXSCGH/EU	AC125JXSCGH/EU

Refrigerant			R410A (contains fluorinated greenhouse gases. GWP = 2.088)		
Refrigerant	Type				
	Factory Charging	kg	2.90	2.90	2.90
	Charging Ton equivalent CO ₂	tCO ₂ e	6.06	6.06	6.06
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	75	75	75
Piping Height	Max	m	30	30	30
Piping Connections	Drain Pipe	ø, mm	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)
Others					
Panel	Model Code		PC4NUSKAN	PC4NUSKAN	PC4NUSKAN
	Net Dimensions (W x H x D)	mm	950 x 45 x 950	950 x 45 x 950	950 x 45 x 950
	Net Weight	kg	5.9	5.9	5.9
Accessories	Drain Pump		Included	Included	Included
	Max. Lifting Height/Displacement	mm / litres/h	750/24	750/24	750/24

Accessories

Wireless Remote Controller	Simple Type Controller	Touch Controller	Wired Remote Controller	Panel (Mandatory)	Wi-Fi Kit	SPI Ioniser	Motion Detect Sensor
MR-EH01	MWR-SH00N	MWR-SH11N	MWR-WE13N	PC4NUSKAN	MIM-H04EN	MSD-CAN1	MCR-SMA

¹Energy labels as shown are according to EU No 626/2011 (LOT 10) label classification 2019, on a scale from D to A+++.

Specifications

Mini 4-Way Cassette (R410A High Efficiency)


- Four-way air supply via independently adjustable blades
- Adjustable blade angle between 35° and 63°
- Built-in condensation drain pump (750 mmH2O).
- Compatible with Wi-Fi Kit controller.
- SPI Ioniser (optional).
- Motion Detect Sensor (optional).



Indoor Unit		AC026JNNCEH/EU	AC035JNNCEH/EU	
Outdoor Unit - Mono-Phase		AC026JXSCEH/EU	AC035JXSCEH/EU	
Outdoor Unit - Tri-Phase		-	-	
Capacity				
Cooling (Min/Nominal/Max)	kW	0.85/2.60/3.50	0.90/3.50/4.20	
	kW	0.80/3.40/5.10	0.80/4.30/5.80	
Performance				
Energy Efficiency Cooling	SEER ¹	7.9/ A++	7.6/ A++	
	Power Consumption	kWh/a	115	161
	Pdesignc	kW	2.6	3.5
	EER	W/W	4.06	3.72
Energy Efficiency Heating	SCOP ¹	4.6/ A++	4.5/ A+	
	Power Consumption	kWh/a	761	809
	Pdesignh (average)	kW	2.5	2.6
	COP ¹	W/W	4.10	3.64
Airflow Rate	Indoor Unit (H/M/L)	m ³ /min	8.00/7.10/6.30	9.30/8.00/6.70
Sound Power	Indoor Unit	dB(A)	48	51
	Outdoor Unit	dB(A)	59	62
Sound Pressure	Indoor Unit (H/M/L)	dB(A)	32/29/25	34/30/26
	Outdoor Unit (H/L)	dB(A)	47/46	48/47
Fan/Outdoor Unit	Type		Turbo	Turbo
	Power	W	65	65
	Number of Fans	-	1	1
External Static Pressure	Min/Std/Max	Pa		
Operating Temperature Range	Cooling	°C	-20.0-50.0	-20.0-50.0
	Heating	°C	-25-24	-25-24
Electrical Data				
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	BLDC Rotary	BLDC Rotary
Power (Min/Nominal/Max)	Cooling	kW	0.24/0.64/0.89	0.19/0.94/1.26
	Heating	kW	0.16/0.83/1.50	0.16/1.18/1.65
Current Input	Cooling (Min/Std/Max)	A	1.30/3.10/4.20	1.30/4.40/5.80
	Heating (Min/Std/Max)	A	1.10/3.90/6.00	1.10/5.40/7.00
	Cooling - Tri-Phase (Min/Std/Max)	A	-	-
	Heating - Tri-Phase (Min/Std/Max)	A	-	-
Dimensions				
Net Dimensions (W x H x D)	Indoor Unit	mm	575 x 250 x 575	575 x 250 x 575
	Outdoor Unit	mm	790 x 548 x 285	790 x 548 x 285
Net Weight	Indoor Unit	kg	12.0	12.0
	Outdoor Unit	kg	35.0	35.0



Indoor Unit		AC026JNNCEH/EU	AC035JNNCEH/EU	
Outdoor Unit - Mono-Phase		AC026JXSCEH/EU	AC035JXSCEH/EU	
Outdoor Unit - Tri-Phase		-	-	
Refrigerant				
Refrigerant	Type	R410A (contains fluorinated greenhouse gases. GWP = 2.088)		
	Factory Charging	kg	1.27	1.27
	Charging Ton equivalent CO ₂	tCO ₂ e	2.65	2.65
	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	20	20
Piping Height	Max	m	15	15
Piping Connections	Drain Pipe	ø, mm	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)
Others				
Panel	Model Code	PC4SUSMAN / PC4SUSMEN	PC4SUSMAN / PC4SUSMEN	
	Net Dimensions (W x H x D)	mm	670 x 45 x 670	670 x 45 x 670
	Net Weight	kg	2.7	2.7
Accessories	Drain Pump	Included		
	Max. Lifting Height/Displacement	mm / litres/h	750/24	750/24

Accessories						
						
Wireless Remote Controller	Simple Type Controller	Touch Controller	Advanced Wired Controller	Panel (Mandatory)	Wi-Fi Kit	SPI Ioniser
MR-EH01	MWR-SH00N	MWR-SH11N	MWR-WG00*N	PC4SUSMAN PC4SUSMEN	MIM-H04EN	MSD-CAN1

¹Energy labels as shown are according to EU No 626/2011 (LOT 10) label classification 2019, on a scale from D to A+++.

Specifications

MSP Duct (R410A High Efficiency)

- External static pressure range from 0 to 14 mmAq.
- Built-in electronic expansion valve (EEV) for refrigerant flow control (2000-step).
- Long-life washable permanent filter is included.
- Auto Restart function.
- Built-in condensation drain pump (750 mmH2O).
- SPI Ioniser (optional).



Indoor Unit		AC035JNMCEH/EU	AC071JNMCEH/EU	AC100JNMCEH/EU	AC125JNMCEH/EU	
Outdoor Unit - Mono-Phase		AC035JXSCEH/EU	AC071JXSCEH/EU	AC100JXSCEH/EU	-	
Outdoor Unit - Tri-Phase		-	-	AC100JXSCGH/EU	AC125JXSCGH/EU	
Capacity						
Cooling (Min/Nominal/Max)	kW	0.90/3.50/4.20	3.00/7.10/8.50	3.50/10.00/12.00	3.50/12.50/14.00	
	Heating up to +7 °C (Min/Nominal/Max)	0.80/4.30/5.80	3.00/8.00/11.00	3.70/11.20/17.00	3.70/14.00/19.00	
Performance						
Energy Efficiency Cooling	SEER ¹	6.5/ A++	6.1/ A++	6.7/ A++	-	
	Power Consumption	188	407	522	-	
	Pdesignc	3.50	7.10	10.0	-	
	EER	3.72	3.70	3.65	3.30	
Energy Efficiency Heating	SCOP ¹	4.4/ A+	4.0/ A+	4.1/ A+	-	
	Power Consumption	764	2,414	2,765	-	
	Pdesignh (average)	2.4	6.9	8.1	-	
	COP ¹	3.64	3.90	4.26/4.53	3.91	
Airflow Rate	Indoor Unit (H/M/L)	m ³ /min	12.90/11.00/9.50	21.00/18.50/16.50	36.10/29.30/24.00	38.60/33.00/26.20
Sound Power	Indoor Unit	dB(A)	56	56	61	63
	Outdoor Unit	dB(A)	62	65	66	69
Sound Pressure	Indoor Unit (H/M/L)	dB(A)	31/28/25	33/29/25	37/33/28	39/35/31
	Outdoor Unit (H/L)	dB(A)	48/47	49/49	50/50	52/52
Fan/Outdoor Unit	Type	Sirocco	Sirocco	Sirocco	Sirocco	
	Power	W	153	153	244	244
	Number of Fans	-	1	1	1	1
External Static Pressure	Min/Std/Max	Pa	0.00/24.50/147.00	0.00/29.40/147.00	0.00/39.20/147.00	0.00/50.96/147.00
Operating Temperature Range	Cooling	°C	-20.0-50.0	-20.0-50.0	-20.0-50.0	-20.0-50.0
	Heating	°C	-25-24	-25-24	-25-24	-25-24
Electrical Data						
Power Source	Indoor Unit	Φ, #, V, Hz	1Φ, 2, 220-240 V, 50 Hz	1Φ, 2, 220-240 V, 50 Hz	1Φ, 2, 220-240 V, 50 Hz	1Φ, 2, 220-240 V, 50 Hz
	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
Compressor Type	Indoor Unit	Type	BLDC Rotary	Twin BLDC Rotary	Twin BLDC Rotary	Twin BLDC Rotary
Power (Min/Nominal/Max)	Cooling	kW	0.19/0.94/1.26	0.86/1.92/2.20	0.95/2.74/3.54	0.95/3.79/4.60
	Heating	kW	0.16/1.18/1.65	0.71/2.05/4.10	0.81/2.47/6.90	0.81/3.58/7.20
Current Input	Cooling (Min/Std/Max)	A	1.30/4.70/6.10	4.30/8.70/10.00	4.20/12.00/15.60	-
	Heating (Min/Std/Max)	A	1.15/5.40/7.00	3.60/9.30/18.00	4.30/11.80/30.00	-
	Cooling - Tri-Phase (Min/Std/Max)	A	-	-	1.90/4.40/5.50	1.40/6.00/7.00
	Heating - Tri-Phase (Min/Std/Max)	A	-	-	1.70/4.30/10.50	1.70/5.60/11.00
Dimensions						
Net Dimensions (W x H x D)	Indoor Unit	mm	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	940 x 1,420 x 330	940 x 1,420 x 330	940 x 1,420 x 330



Indoor Unit		AC035JNMCEH/EU	AC071JNMCEH/EU	AC100JNMCEH/EU	AC125JNMCEH/EU
Outdoor Unit - Mono-Phase		AC035JXSCEH/EU	AC071JXSCEH/EU	AC100JXSCEH/EU	-
Outdoor Unit - Tri-Phase		-	-	AC100JXSCGH/EU	AC125JXSCGH/EU
Net Weight	Indoor Unit	kg	25.0	32.0	36.0
	Outdoor Unit	kg	35.0	96.0	96.0
Refrigerant					
Refrigerant	Type	R410A (contains fluorinated greenhouse gases. GWP = 2.088)			
Factory Charging	kg	1.27	2.90	2.90	2.90
	Charging Ton equivalent CO ₂	tCO ₂ e	2.65	6.06	6.06
	Additional Refrigerant Charging	g/m	-	20	50
Piping Connections	Liquid Pipe	ø, inch	1/4	3/8	3/8
	Gas Pipe	ø, inch	3/8	5/8	5/8
Piping Length	Min/Max	m	20	75	75
Piping Height	Max	m	30	30	30
Piping Connections	Drain Pipe	ø, mm	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)
Others					
Panel	Model Code				
	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
	Max. Lifting Height/Displacement	mm / litres/h	750/24	750/24	750/24

Accessories



Drain Pump (included)	Drain Pump (optional)	Wireless Remote Controller	Touch Controller	Advanced Wired Controller	Wi-Fi Kit	Wireless Receiver Kit	External Thermostat	SPI Ioniser
MDP-G075SQ	MDP-G075SP	MR-EH01 (to be matched with MRK-A10N)	MWR-SH11N	MWR-WG00JN/ MWR-WG00KN	MIM-H04EN	MRK-A10N (to be matched with AR-EH03E)	MRW-TA	MSD-CAN1

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Specifications

Max Wall-Mounted (R410A High Efficiency)

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







Indoor Unit	AC100MNTCEH/EU
Outdoor Unit - Mono-Phase	AC100JXSCEH/EU
Outdoor Unit - Tri-Phase	AC100JXSCGH/EU

Capacity			
	Cooling (Min/Nominal/Max)	kW	0.85/3.45/4.20
	Heating up to +7°C (Min/Nominal/Max)	kW	0.72/3.64/6.90
Performance			
Energy Efficiency Cooling	SEER ¹	W/W	6.0/ A+
	Power Consumption	kWh/a	583
	Pdesignc	kW	10.0
	EER	W/W	2.9
Energy Efficiency Heating	SCOP ¹	W/W	4.0/ A+
	Power Consumption	kWh/a	2,275
	Pdesignh (average)	kW	6.5
	COP ¹	W/W	3.08
Airflow Rate	Indoor Unit (H/M/L)	m ³ /min	24.00/21.50/19.00
Sound Power	Indoor Unit	dB(A)	65
	Outdoor Unit	dB(A)	66
Sound Pressure	Indoor Unit (H/M/L)	dB(A)	49 (High)
	Outdoor Unit	dB(A)	1
Fan/Outdoor Unit	Type		Crossflow Fan
	Power	W	58
	Number of Fans	-	2
External Static Pressure	Min/Std/Max	Pa	
Operating Temperature Range	Cooling	°C	-20.0-50.0
	Heating	°C	-25-24
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	0.85/3.45/4.20
	Heating	kW	0.72/3.64/6.90
Current Input	Cooling (Min/Std/Max)	A	4.2/15.1/18.5
	Heating (Min/Std/Max)	A	3.6/16.0/30.0
	Cooling - Tri-Phase (Min/Std/Max)	A	-
	Heating - Tri-Phase (Min/Std/Max)	A	-
Dimensions			
Net Dimensions (W x H x D)	Indoor Unit	mm	1,280 x 253 x 345
	Outdoor Unit	mm	940 x 1,420 x 330
Net Weight	Indoor Unit	kg	18.5
	Outdoor Unit	kg	96.0
Refrigerant			

Indoor Unit	AC100MNTCEH/EU
Outdoor Unit - Mono-Phase	AC100JXSCEH/EU
Outdoor Unit - Tri-Phase	AC100JXSCGH/EU

Refrigerant	Type	R410A (contains fluorinated greenhouse gases. GWP = 2.088)	
	Factory Charging	kg	2.90
	Charging Ton equivalent CO ₂	tCO ₂ e	6.06
	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	75
Piping Height	Max	m	30
Piping Connections	Drain Pipe	ø, mm	ID 18

Accessories

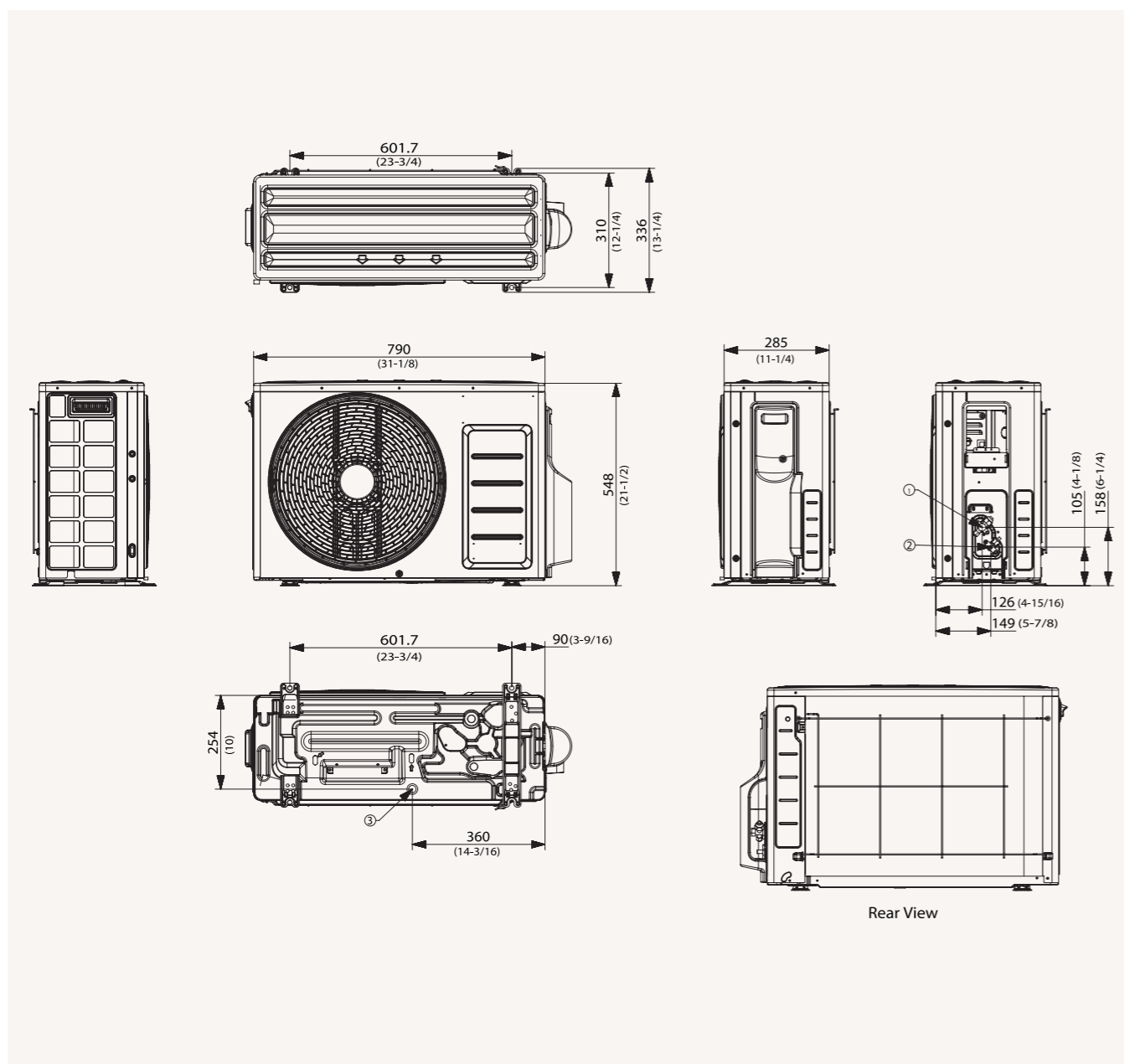
			
Touch Controller	Wired Remote Controller	Wi-Fi Kit	External Thermostat
MWR-SH11N	MWR-WE13N	MIM-H04EN	MRW-TA

¹Energy labels as shown are according to EU No 626/2011 (LOT 10) label classification 2019, on a scale from D to A+++.

Dimensional drawings

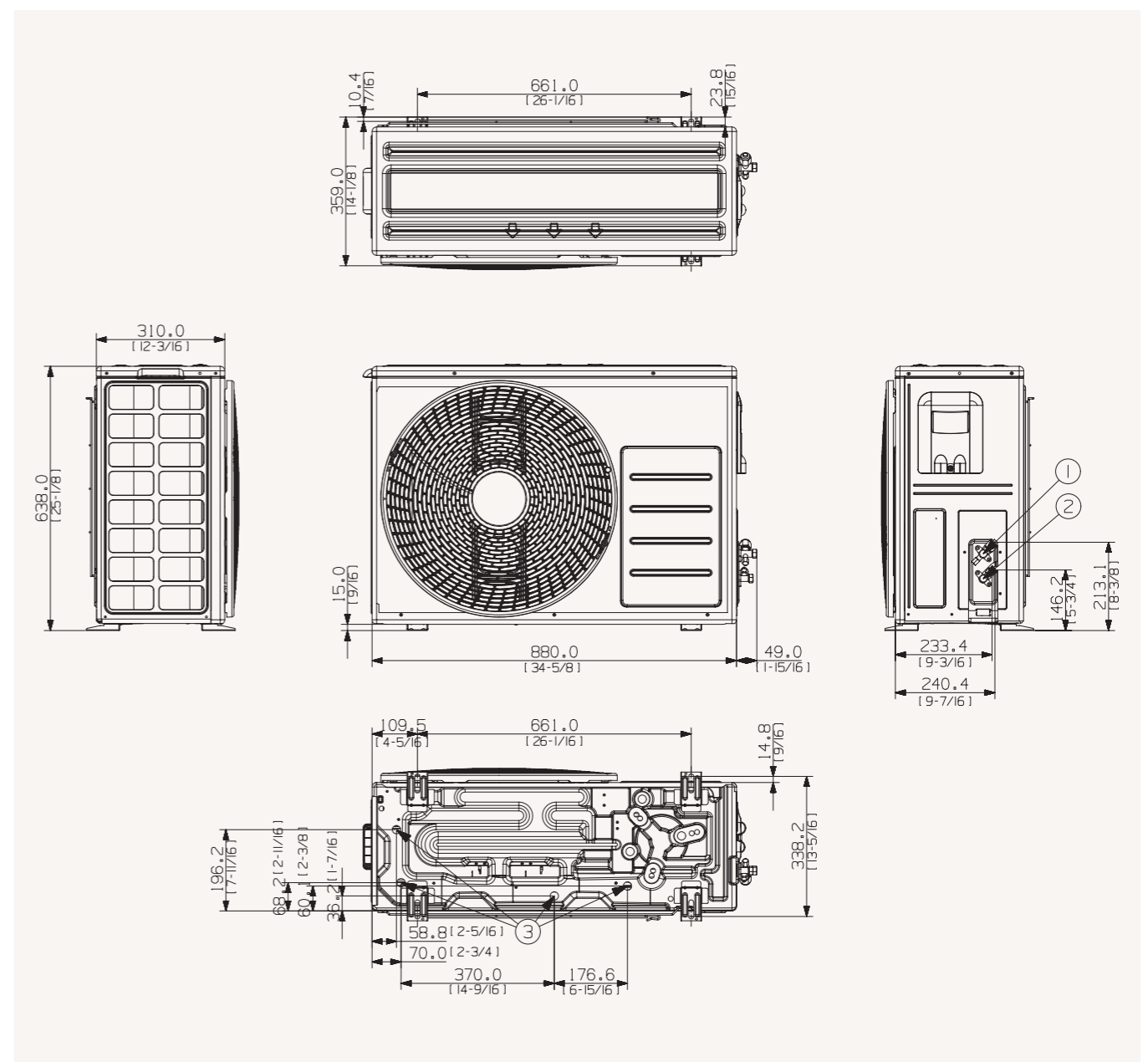
Outdoor Units

2.6 kW/3.5 kW Outdoor Unit



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.

5.2 kW/6.0 kW Outdoor Unit

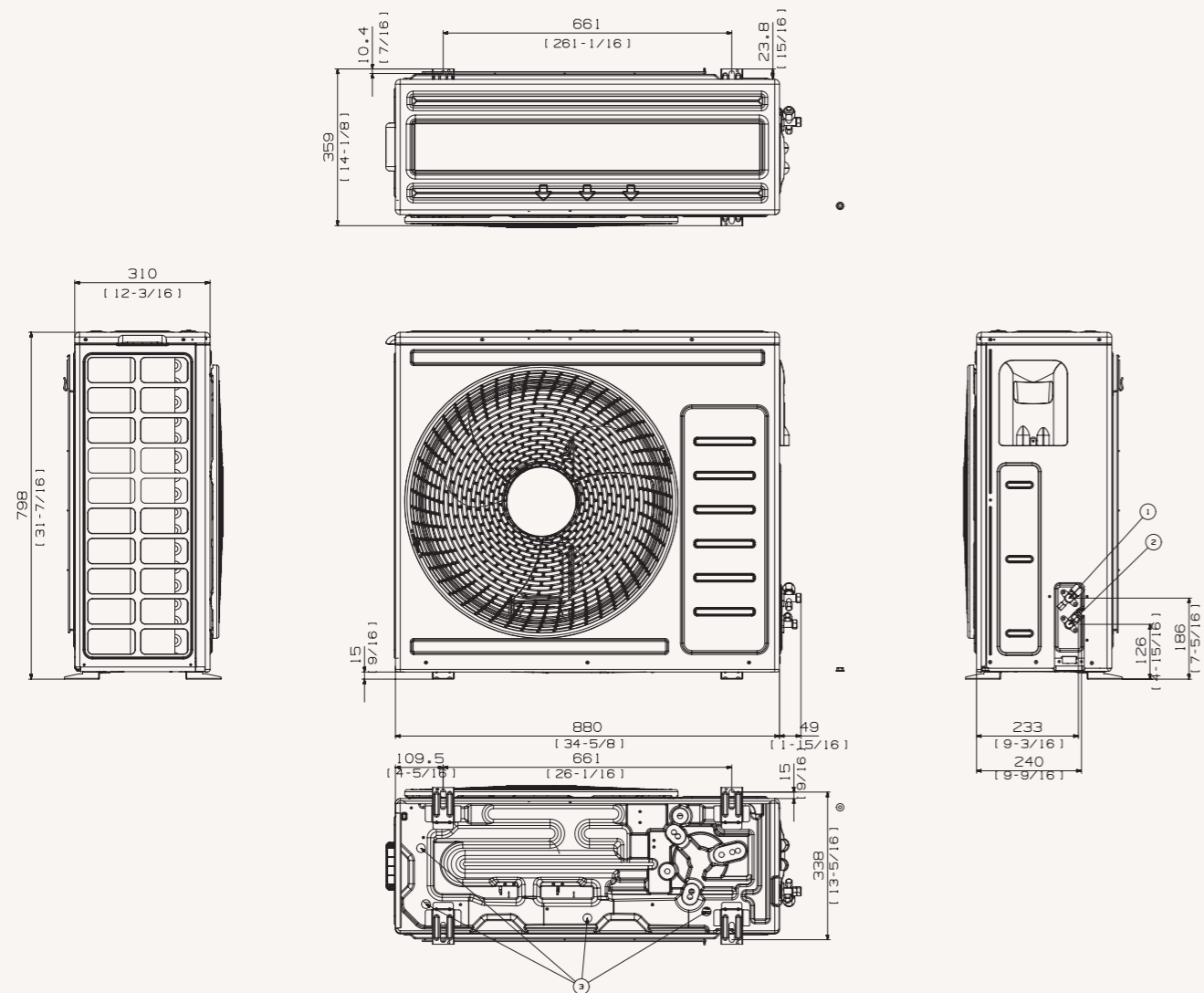


NO	Name	Description
1	Refrigerant gas pipe	ø12.70 (1/2)
2	Refrigerant liquid pipe	ø6.35 (1/4)
3	Drain hole	ø20

Dimensional drawings

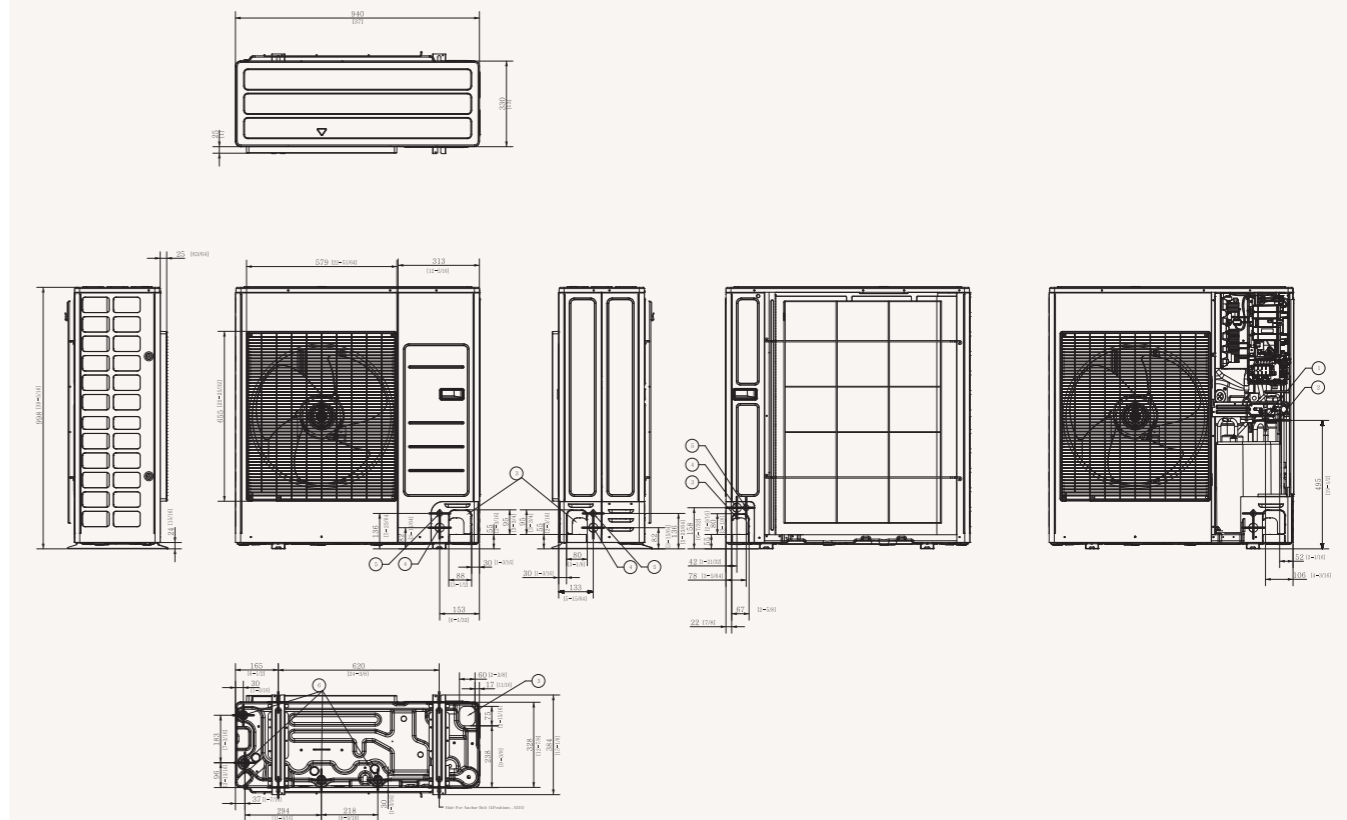
Outdoor Units

7.1 kW Outdoor Unit



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.

9 kW/10 kW/12 kW Outdoor Unit

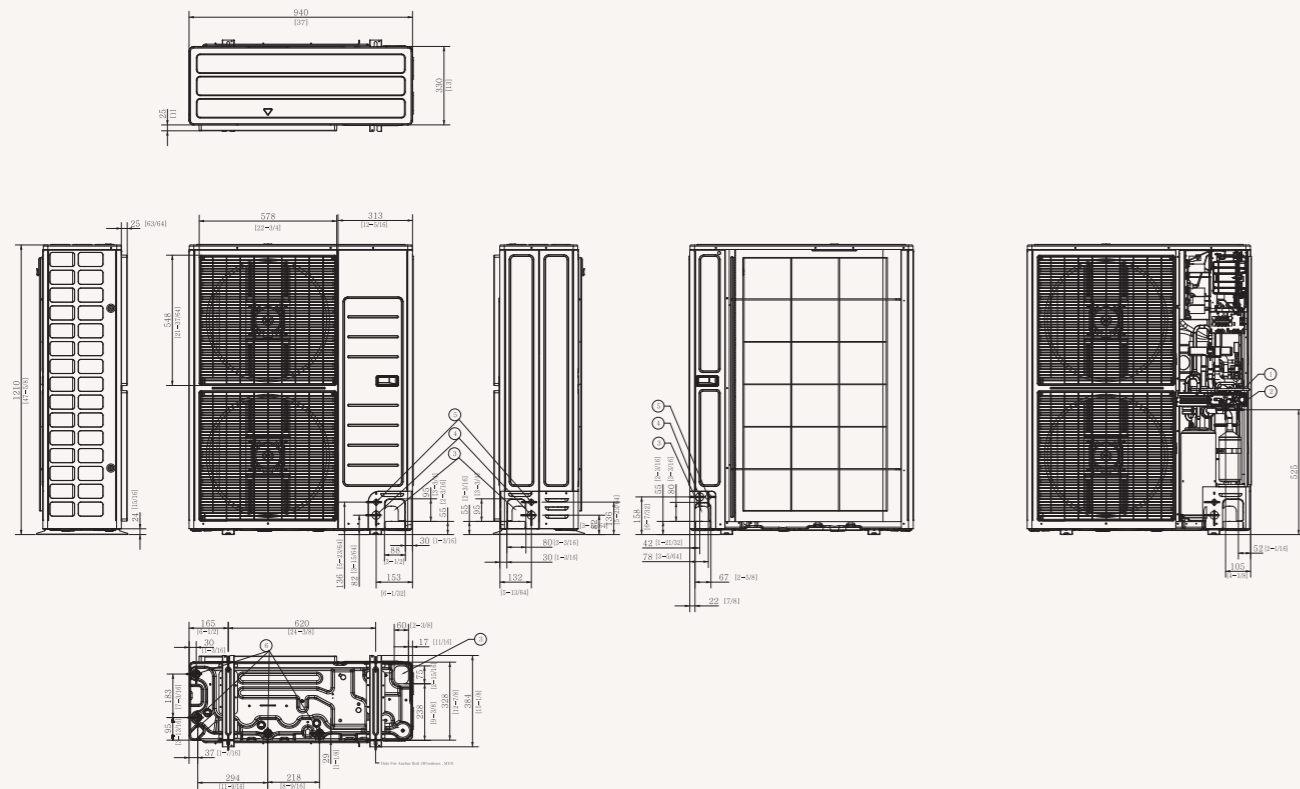


NO	Name	Description
1	Liquid pipe connection	ø9.52 (3/8)
2	Gas pipe connection	ø15.88 (5/8)
3	Piping intake knock-out hole	Front/Side/Rear/Bottom
4	Power wiring conduits	Front/Side/Rear, ø34 (ø1 3/8)
5	Communication wiring conduits	Front/Side/Rear, ø22 (ø7/8)
6	Drain hole	Connect with the provided drain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

Dimensional drawings

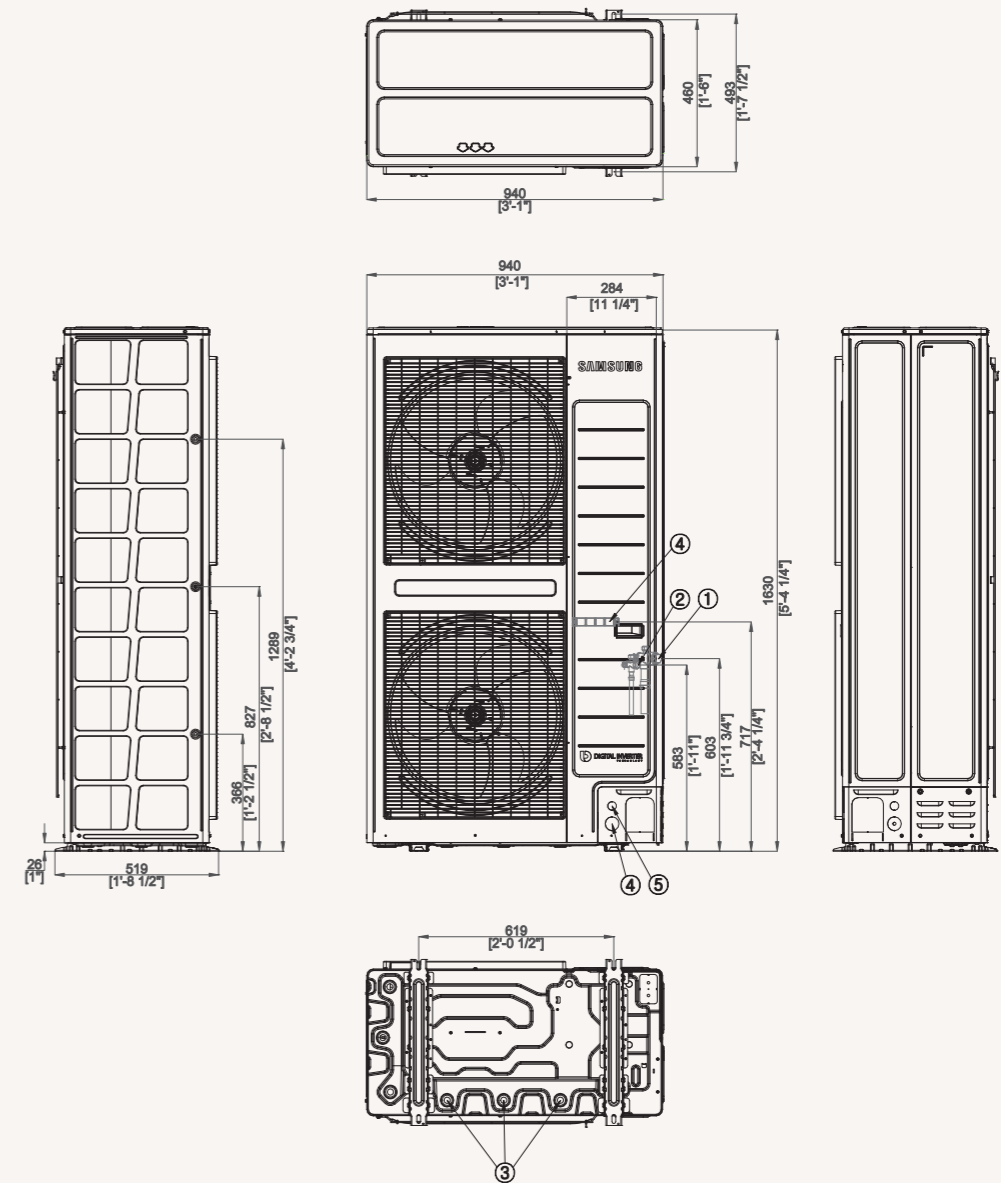
Outdoor Units

14 kW/16 kW/18 kW Outdoor Unit



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.

20 kW/25 kW Outdoor Unit



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