

SAMSUNG

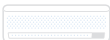
Climate Solutions

Product Catalogue

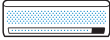
Eco Heating Systems



20/21

Indoor Units			Available Samsung product range		Controls		
			Outdoor Units				
							
Tank Integrated Hydro Unit	Wall-Mounted Hydro Unit	Third party DHW Tank	R32		Wireless	Wired	Centralised
							
Wall-Mounted	Duct	Console	R410A		Mono Control Kit	Wi-Fi Kit	

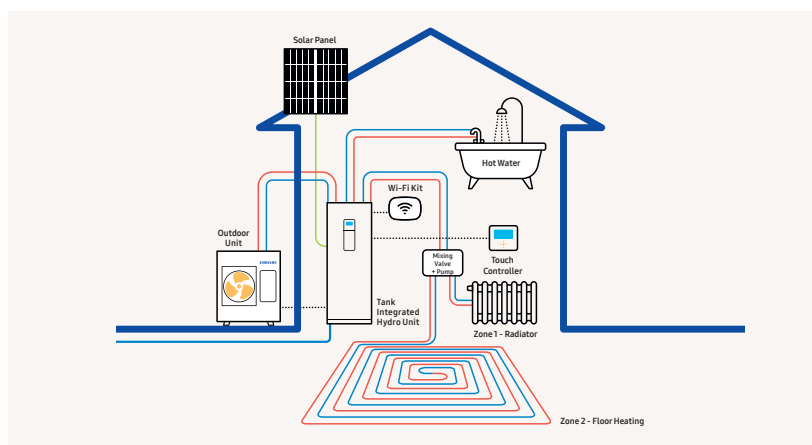
Indoor Units			Available Samsung product range		Controls		
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Product overview

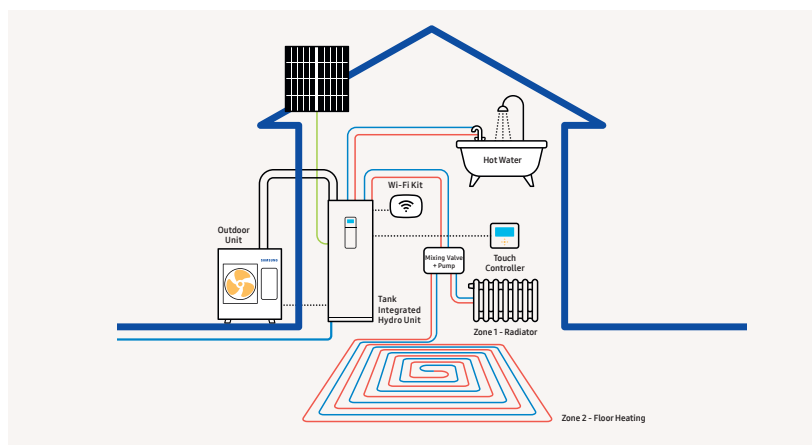
ClimateHub Mono

The ClimateHub Mono configuration has a single outdoor unit that includes the hydronic system, making it easy to install and use. The system's potential can be maximised by connecting to Smart Grid or Solar Power (PV).



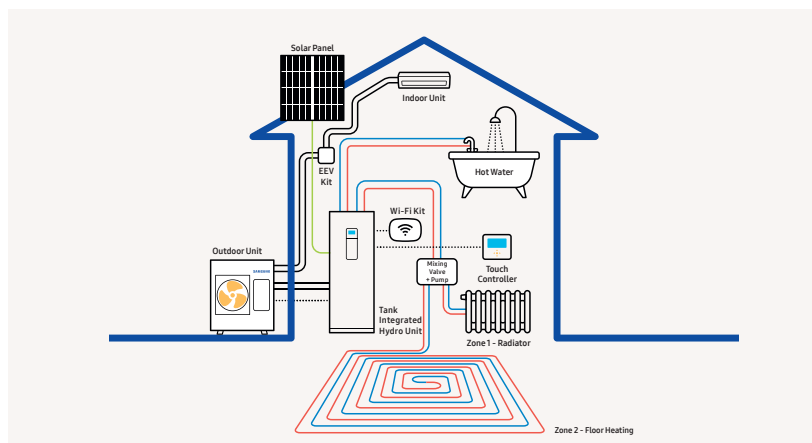
ClimateHub Split

The ClimateHub Split configuration has a single outdoor unit, connected by refrigerant pipes to the tank integrated hydro unit. To maximise its potential, the system can be connected to Smart Grid or Solar Power (PV).



ClimateHub TDM Plus NEW

The TDM Plus system is an 'All-In-One' Air-to-Water (A2W) and Air-to-Air (A2A) system for a complete home climate solution. It can be used throughout the year for cooling and heating to meet a variety of different user situations and needs. It enables underfloor heating/cooling and radiator heating, as well as offering A2A cooling with various options for air conditioning. The system's potential can be maximised by connecting to Smart Grid or Solar Power (PV).



Schematic drawings are for illustrative purposes only. For accurate installation information please consult the technical data book. The selection of the exact product is subject to specific application conditions. Solar panels, underfloor heating panels, radiators and non-integrated components are not provided by Samsung unless specified otherwise. For more detailed product information and technical specifications, please consult the respective product pages of this Product Catalogue.

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Mono

ClimateHub Mono
Mono with Third Party DHW Tank

Split

ClimateHub Split
Split with Third Party DHW Tank

TDM Plus

ClimateHub TDM Plus **NEW**
TDM Plus with Third Party DHW Tank
TDM Plus WindFree™ Deluxe **NEW**
TDM Plus Slim Duct
TDM Plus MSP Duct
TDM Plus Console

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Design and support

Samsung Climate Solutions Partner Portal
DVM Pro 2.0 **NEW**
Samsung Climate Solutions Academy
Hydraulic Schematics **NEW**

Product Line-up





Line-up

ClimateHub



Outdoor Unit



Tank Integrated Hydro Unit

Type	Power	Model Name	Capacity	Tank Integrated Hydro Unit (Split)			Tank Integrated Hydro Unit (Mono)			Tank Integrated Hydro Unit (TDM Plus)	
				200 L(1Φ) AE200RNWSEG/ EU	260 L(1Φ) AE260RNWSEG/ EU	260 L(3Φ) AE260RNWSGG/ EU	200 L(1Φ) AE200RNWMEG/ EU	260 L(1Φ) AE260RNWMEG/ EU	260 L(3Φ) AE260RNWMGG/ EU	200 L(1Φ) AE200TNWTEH/ EU	260 L(1Φ) AE260TNWTEH/EU
R32 Outdoor Unit	Mono	1Φ	AE050RXYDEG/EU	5.0 kW			•				
			AE080RXYDEG/EU	8.0 kW			•	•			
			AE120RXYDEG/EU	12.0 kW			•	•			
			AE160RXYDEG/EU	16.0 kW			•	•			
		3Φ	AE080RXYDGG/EU	8.0 kW					•		
			AE120RXYDGG/EU	12.0 kW					•		
			AE160RXYDGG/EU	16.0 kW					•		
	Split	1Φ	AE040RXEDEC/EU	4.0 kW	•	•					
			AE060RXEDEC/EU	6.0 kW	•	•					
			AE090RXEDEC/EU	9.0 kW	•	•					
		3Φ	AE090RXEDGG/EU	9.0 kW		•					
R410A Outdoor Unit	TDM Plus	1Φ	AE044MXTPEH/EU	4.4 kW						•	•
			AE066MXTPEH/EU	6.6 kW						•	•
			AE090MXTPEH/EU	9.0 kW						•	•
			AE120MXTPEH/EU	12.0 kW							•
			AE160MXTPEH/EU	16.0 kW							•
		3Φ	AE090MXTPGH/EU	9.0 kW						•	•
			AE120MXTPGH/EU	12.0 kW							•
			AE160MXTPGH/EU	16.0 kW							•

TDM Plus Indoor



Type		WindFree™ Deluxe	Slim Duct	MSP Duct	Console
Capacity	2.2 kW	•	•		•
	2.8 kW	•	•		•
	3.6 kW	•	•		•
	5.6 kW	•	•		•
	7.1 kW	•		•	
	9.0 kW			•	

Optional Controller



Model	MIM-H04EN
Model name	Wi-Fi Kit 2.0
Maximum connectible Indoor Units	16
App	SmartThings
Voice recognition	Bixby
Welcome Cooling/Heating	Geofencing
Automation	Customised control with a variety of execution rules
Add scene	Easy control throughout customised user mode
Energy monitoring	Individual energy monitoring up to 16 outdoor units
Product dimensions (mm) W x H x D	185 x 130 x 29



Model	MWR-WW10*N
Model name	Touch Controller
Screen size/type	4.3" Color LCD display
Intuitive user interface	Dynamic navigation with simplified buttons
Operation	Heating / Cooling / Auto / DHW
Functions	Smart Grid Ready / PV Ready / 2-zone Control / Energy consumption monitor / Energy saving
Smart connectivity	SmartThings via optional Wi-Fi Kit 2.0
Languages	
MWR-WW10N	English, German, French, Italian, Spanish, Polish (EN, DE, FR, IT, ES, PL)
MWR-WW10JN NEW IN Q1'21	English, Portuguese, Dutch, Greek, Czech, Slovak (EN, PT, NL, EL, CS, SK)
MWR-WW10KN NEW IN Q2'21	English, Finnish, Swedish, Norwegian, Danish, Lithuanian (EN, FI, SV, NO, DA, LT)
Product dimensions (mm) W x H x D	120x120x19

Line-up

EHS with Third Party DHW Tank

Mono with Third Party DHW Tank



Outdoor Unit



Mono Control Kit



DHW Tank
(third party)

Type	Power	Model Name	Capacity	Mono MIM-E03CN	
R32 Outdoor Unit	Mono	1Φ	AE050RXYDEG/EU	5.0 kW	•
			AE080RXYDEG/EU	8.0 kW	•
			AE120RXYDEG/EU	12.0 kW	•
			AE160RXYDEG/EU	16.0 kW	•
	3Φ		AE080RXYDGG/EU	8.0 kW	•
			AE120RXYDGG/EU	12.0 kW	•
			AE160RXYDGG/EU	16.0 kW	•

Split with Third Party DHW Tank



Outdoor Unit



Wall-Mounted
Hydro Unit



DHW Tank
(third party)

					Wall-Mounted Hydro Unit	
					Split(1Φ)	Split(3Φ)
Type	Power	Model Name	Capacity		AE090RNYDEG/EU	AE090RNYDGG/EU
R32 Outdoor Unit	Split	1Φ	AE040RXEDEG/EU	4.0 kW	●	
			AE060RXEDEG/EU	6.0 kW	●	
			AE090RXEDEG/EU	9.0 kW	●	
	3Φ	AE090RXEDGG/EU	9.0 kW	●	●	
					AE160JNYDEH/EU	AE160JNYDGH/EU
R410A Outdoor Unit	Split	1Φ	AE120JXEDEH/EU	12.0 kW	●	
			AE160JXEDEH/EU	16.0 kW	●	
		3Φ	AE120JXEDGH/EU	12.0 kW		●
		AE160JXEDGH/EU	16.0 kW		●	

TDM Plus with Third Party DHW Tank

TDM Plus with Third Party DHW Tank



Outdoor Unit

Wall-Mounted
Hydro UnitDHW Tank
(third party)

Type	Power	Model Name	Capacity	Wall-Mounted Hydro Unit			
				Split(1Φ)		Split(3Φ)	
				AE090MNYDEH/EU	AE160MNYDEH/EU	AE090MNYDGH/EU	AE160MNYDGH/EU
R410A TDM Plus Outdoor Unit	1Φ	AE044MXTPEH/EU	4.4 kW	•			
		AE066MXTPEH/EU	6.6 kW	•			
		AE090MXTPEH/EU	9.0 kW	•			
		AE120MXTPEH/EU	12.0 kW		•		
		AE160MXTPEH/EU	16.0 kW		•		
	3Φ	AE090MXTPGH/EU	9.0 kW			•	
		AE120MXTPGH/EU	12.0 kW				•
		AE160MXTPGH/EU	16.0 kW				•

Selecting the right heating system



		Mono / Split R32	TDM Plus R410A
Main Function	A2W Cooling	•	•
	A2W Heating	•	•
	A2W Domestic Hot Water	•	•
	A2A Cooling		•
	Maximum Allowable Indoor unit Connections		up to 7 Indoor unit
Comfort	Colour Display	•	•
	Low Noise ¹	•	•
	Outing	•	•
	Schedule / Holiday Mode	•	•
	Emergency Operation	•	•
Feature	Wi-Fi Kit SmartThings	•	•
	Wired Remote Controller	• ²	• ²
	Zone Controller	•	•
	Mixing Valve ⁴	•	•
	3-Way Valve	•	•
	2-Way Valve ⁴	•	•
	Thermostat Control	•	•
	PV Integrated	•	•
	Smart Grid Ready	•	•
	Energy Consumption Monitoring	•	•
	Set FSV with SD Card	•	•
		•	•
Smart Install	Smart Checking	•	•

Third Party DHW Tank solutions

															
Mono (R32)				Split (R32)				Split (R410A)				TDM Plus (R410A)			
•				•				•				•			
•				•				•				•			
•				•				•				•			
												•			
												up to 7 Indoor unit			
•				•											
•				•								•			
•				•				•				•			
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•				•				•				•			

¹ Sound pressure level is a relative value, depending on the distance and acoustic environment. Sound pressure level may differ depending on operation conditions.² Wired Remote Controller to be ordered separately. ³ In combination with an external room sensor. ⁴ Not provided by Samsung.

Nomenclature

Indoor units

AE 260 R N W S E G

1 2 3 4 5 6 7 8

1	Classification	AE	EHS
2	Capacity	x1/10 kW (3 digits)	
		x Litre (3 digits)	
3	Year	J	2015
		M	2017
		R	2019
		T	2020
4	Product Type	N	Indoor Unit (NASA)
5	Product Notation	A/X	RAC Wall-Mounted
		J	Console
		L	LSP Duct
		M	MSP Duct
		W	Tank Integrated Hydro Unit
		Y	Wall-Mounted Hydro Unit
6	Feature	D	Standard
		P	
		M	Mono
		S	Split
		T	TDM Plus
7	Rating Voltage	E	1Φ, 220~240 V, 50 Hz
		G	3Φ, 380~415 V, 50 Hz
8	Mode	G	R32 Heat Pump
		H	R410A Heat Pump

Outdoor units

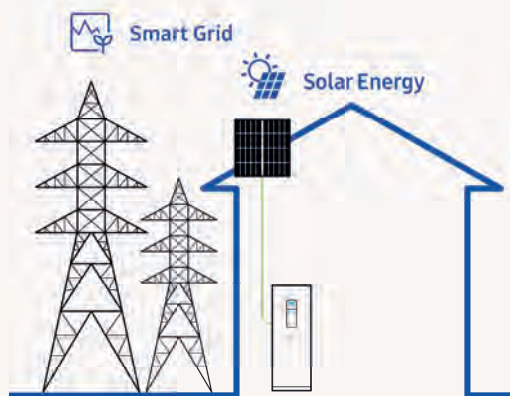
AE	090	R	X	E	D	E	G
1	2	3	4	5	6	7	8

1	Classification	AE	EHS
2	Capacity	x1/10 kW (3 digits)	
3	Year	J	2015
		M	2017
		R	2019
4	Product Type	X	Outdoor Unit (NASA)
5	Product Notation	E	Split
		T	TDM Plus
		Y	Mono
6	Feature	D	Standard
		P	
7	Rating Voltage	E	1Φ, 220~240 V, 50 Hz
		G	3Φ, 380~415 V, 50 Hz
8	Mode	G	R32 Heat Pump
		H	R410A Heat Pump

ClimateHub Features

Compact Design

The Samsung ClimateHub solution is built around a compact tank integrated hydro unit, with a large volume domestic hot water tank of either 200 L or 260 L. The compact and modular design makes for straightforward kitchen or utility room integration.



Smart Grid Ready and PV Enabled

A Smart Grid efficiently integrates the behaviour and actions of all the users connected to it. Smart Grid readiness enables users to benefit from an economically efficient and sustainable power supply. Thanks to the PV (Photovoltaic or 'solar' energy) enabled feature, the system can be connected to solar panels, saving energy through renewable sources.¹

¹ The usage of the PV Enabled feature requires additional third party equipment to be installed.

Smooth Servicing

With a conveniently placed servicing window and intuitive servicing options available through the use of a Micro SD card or the Samsung S-Checker Mobile App, troubleshooting and start-up can be done easily from the front of the unit.¹

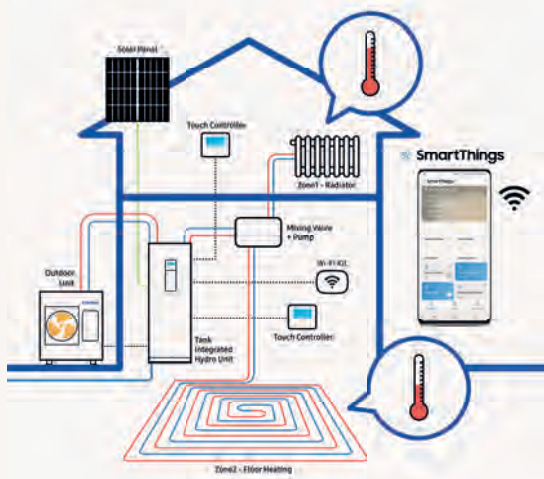
¹ Please refer to your direct Samsung contact person for more information about the S-Checker Mobile App.



Intuitive Control

Samsung's touch controller comes equipped with multiple language options and bright colour display – enabling temperature settings, energy monitoring, summer time setting and quick error monitoring.¹

¹ The image shows an application example and is for illustrative purposes only. Please always check latest information for understanding availability of language versions.



Smart Connectivity

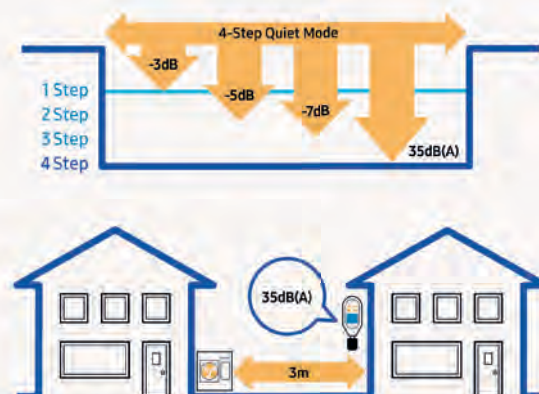
The touch controller enables users to manage different temperature settings per zone, meaning high-temperature radiators and low-temperature floor heating can be utilised efficiently. With the optional Wi-Fi Kit, different aspects of the system, including controlling and monitoring up to 16 indoor units through the Samsung SmartThings App.¹

¹ A Wi-Fi connection and Samsung SmartThings application account are required. Wi-Fi Kit to be ordered separately. Requires iOS 10.0 or later & Android 5.0 or later.

Quiet Operation

In order to meet increasingly strict sound level requirements, Samsung ClimateHub allows to reduce noise levels using the 4-Step Quiet Operation mode¹. Subject to specific models and particular operation conditions, it is possible to achieve levels as low as 35 dB(A)².

¹ ClimateHub Mono and TDM Plus has a 3-Step Quiet Operation mode. ² Sound pressure levels are subject to execution and operating conditions.



SAMSUNG

WindFree™ Deluxe

EHS



Comfortably cool. Surprisingly still.

Samsung introduces a completely new WindFree™ wall-mounted model for its EHS TDM Plus product range. Equipped with WindFree™ technology, the micro-holes spread fresh air gently and evenly to enhance indoor comfort for ultimate indoor climate convenience.



Step 1

The front panel opens, and Fast Cooling mode cools the room quickly from corner to corner.



Step 2

The set temperature is reached in Fast Cooling mode, and the front panel closes.



Step 3

WindFree™ mode spreads fresh air uniformly through thousands of micro-holes.



WindFree™ Cooling

WindFree™ technology enhances your indoor comfort by using thousands of micro-holes to disperse fresh air uniformly without any unpleasant blasts of cold wind. In WindFree™ mode, air is spread softly and silently, creating a 'Still Air' environment¹ that provides you total well-being day and night.



Easy Control

Samsung WindFree™ is designed to make life easier. It can be operated via wired or wireless controllers that feature advanced functions for a convenient control of indoor climates. Temperatures can also be managed remotely using the SmartThings App². Turning it on and off, selecting the cooling mode or scheduling its operation is just one touch away.



Easy Installation

The WindFree™ Deluxe can be easily mounted through its snap-fit design and roller bracket. The installation process is simplified to fit in effortlessly to the exact position. With an easy-to-remove front grill and a separate cover panel, installers can minimise product damage and reduce service time.

¹ ASHRAE (American Society of Heating, Refrigerating, and Air-Conditioning Engineers) defines "Still Air" as air currents at speeds below 0.15m/s which lacks the presence of cold drafts.

² A Wi-Fi connection and Samsung SmartThings application account are required. Wi-Fi Kit to be ordered separately. Requires iOS 10.0 or later & Android 5.0 or later.

Wi-Fi Kit 2.0 – Mobile Remote Control and Monitoring Solution

You can remotely control and monitor up to 16 indoor units with ease by using the SmartThings App².

Enhanced Convenience

The voice command feature is available through a smartphone with Bixby¹. Temperatures can also be managed remotely anytime, and anywhere, using the SmartThings app².

Personalised Climate Environment

Operates in your preferred mode according to the user settings. The geofencing functionality allows the room temperature to be automatically set at the desired level when the user approaches within a preset distance from the building. The Wi-Fi-Kit (optional) is mandatory to enable a multi-device experience interoperable with smart appliances.

Energy Usage Monitoring³

Energy usage can be monitored daily, weekly and monthly at a glance.

Provides ease of installation

Allows for easy setup possible for up to 16 indoor units.



¹ App Voice Recognition: Bixby voice is an intelligent voice assistant that helps you use the device more conveniently.

² Currently Voice control is supported in English (US, UK, Indian), Chinese, Korean, French, German, Italian, Spanish and Portuguese. ³ A Wi-Fi connection and Samsung SmartThings application account are required. Wi-Fi Kit to be ordered separately. Requires iOS 10.0 or later & Android 5.0 or later. ⁴ Current and daily, weekly or monthly energy usage of the outdoor unit is reference data calculated for information and reference purposes only.

Energy monitoring

Allows you to view your daily, weekly, and monthly energy usage at a glance



Energy service

Allows you to quickly check the energy usage of multiple devices in your home



Automation

Operates in your preferred mode according to the user settings



Welcome cooling/heating

Pre-cooling and pre-heating before your arrival at home



Mono



Specifications

ClimateHub Mono R32

- Integrated solution for heating and domestic hot water
- Compact unit size with large water tank (200 L & 260 L)
- Intuitive, colour screen touch controller in multiple languages
- Energy monitoring through touch controller
- Smooth servicing through the front-mounted service window
- PV and Smart Grid ready
- 2-zone Control, suitable for floor heating and radiators
- SCOP rating of A+++*
- SmartThings compatible with optional Wi-Fi kit
- Backup heater is included to ensure continuous heating



	Indoor Unit				AE200RNWMG/EU	AE200RNWMG/EU	AE200RNWMG/EU
	Outdoor Unit				AE050RXYDEG/EU	AE080RXYDEG/EU	AE120RXYDEG/EU
	Controller				MWR-WW10N	MWR-WW10N	MWR-WW10N
System	Operation	Nominal Capacity	Heating A7/W35¹ / A7/W55²	kW	5.0/4.3	8.0/7.1	12.0/11.3
			Cooling A35/W18¹	kW	5.0	7.5	12.0
		Power Input (Nominal)	Heating A7/W35¹ / A7/W55²	kW	1.03/1.52	1.77/2.53	2.65/3.73
			Cooling A35/W18¹	kW	1.14	1.90	2.77
		COP (Nominal Heating) A7/W35¹ / A7/W55²		W/W	4.85/2.83	4.52/2.81	4.53/3.03
		EER (Nominal Cooling) A35/W18¹		W/W	4.39	3.95	4.33
		SCOP LWT 35°C/ 55°C		W/W	4.46/3.2	4.44/3.23	4.69/3.51
		Seasonal Space Heating enr.efficiency ηs LWT 35°C/ 55°C		ETA%	175/ 125	175/ 126	185/ 138
		Seasonal Space Heating Eff. class * LWT 35°C/ 55°C		-	A+++ / A++	A+++ / A++	A+++ / A++
		Current	MCA	A	16.00	22.00	28.00
			MFA	A	20.00	27.50	35.00
		Water Flow Rate	Low / Medium temperature	l/min	14.4/7.8	23.1/12.8	34.6/20.4
	Leaving Water Temperature³	Heating	°C	15~65	15~65	15~65	
		Cooling	°C	5~25	5~25	5~25	
Functions	Smart Grid Ready / PV Enabled		-	●	●	●	
	3-Step Quiet Mode		-	●	●	●	
	2-zone Control		-	●	●	●	
Tank Integrated Hydro Unit	Power Supply		Φ, #, V, Hz	1Φ, 2, 220~240 V, 50 Hz	1Φ, 2, 220~240 V, 50 Hz	1Φ, 2, 220~240 V, 50 Hz	
	Water Tank Volume		litres	200	200	200	
	Declared Load Profile		L/XL	L	L	L	
	Average water heating efficiency ηwh		ETA%	115	115	110	
	Average Energy Efficiency Class		-	A	A	A	
	Sound	Sound Pressure⁴	Heating Std	dB(A)	26	26	30
			Cooling Std	dB(A)	26	26	30
		Sound Power	Heating Std	dB(A)	40	40	44
	Heater	Back-up heater Capacity	Default (Option)	kW	2 (4/6)	2 (4/6)	2 (4/6)
	Piping	Water Pipe (Space Heating)	Inlet/ Outlet	Φ, mm	28/28	28/28	28/28
Water pipe (DHW)		Inlet/ Outlet	Φ, mm	22/22	22/22	22/22	
Dimensions	Net Weight	kg	130.0	130.0	130.0		
	Net Dimensions (WxHxD)		mm	595 x 1,800 x 700	595 x 1,800 x 700	595 x 1,800 x 700	
Outdoor Unit	Power Supply		Φ, V, Hz	1Φ, 220~240 V, 50 Hz	1Φ, 220~240 V, 50 Hz	1Φ, 220~240 V, 50 Hz	
	Compressor	Type	-	BLDC Twin Rotary	BLDC Twin Rotary	BLDC Twin Rotary	
	Base Heater	Capacity	kW	-	0.15	0.15	
	Sound	Sound Pressure⁴	Heating Std	dB(A)	45	48	50
			Cooling Std	dB(A)	45	48	50
		Sound Power	Heating Std	dB(A)	61	63	64
	Dimensions	Net Weight	kg	58.5	76.0	110.0	
		Net Dimensions (WxHxD)	mm	880 x 798 x 310	940 x 998 x 330	940 x 1,420 x 330	
	Refrigerant	Type	R32 (Fluorinated greenhouse gas, GWP=675)				
		Factory Charging	tCO₂e	0.68	0.78	1.49	
			kg	1.00	1.15	2.20	
	Piping	Water Pipe (Space Heating)	Inlet/ Outlet	Φ, mm	28/28	28/28	28/28
	Operation	Ambient Temperature	Heating	°C	-25~35	-25~35	-25~35
			Cooling	°C	10~46	10~46	10~46
DHW		°C	-25~43	-25~43	-25~43		

Accessories



Touch Controller	Touch Controller	DMS2.5	Wi-Fi Kit	External Room Sensor	Backup Heater (4/6kW)
MWR-WW10N	MCM-A300N	MIM-D01AN	MIM-H04EN	MRW-TA	MHC-*00FE



AE200RNWMEG/EU AE160RXYDEG/EU MWR-WW10N	AE260RNWMEG/EU AE080RXYDEG/EU MWR-WW10N	AE260RNWMEG/EU AE120RXYDEG/EU MWR-WW10N	AE260RNWMEG/EU AE160RXYDEG/EU MWR-WW10N
16.0/15.0	8.0/7.1	12.0/11.3	16.0/15.0
14.0	7.5	12.0	14.0
3.62/5.18	1.77/2.53	2.65/3.73	3.62/5.18
3.28	1.90	2.77	3.28
4.42/2.90	4.52/2.81	4.53/3.03	4.42/2.90
4.27	3.95	4.33	4.27
4.48/3.53	4.44/3.23	4.69/3.51	4.48/3.53
176/138	175/126	185/138	176/138
A+++ / A++	A+++ / A++	A+++ / A++	A+++ / A++
32.00	22.00	28.00	32.00
40.00	27.50	35.00	40.00
46.2/27.1	23.1/12.8	34.6/20.4	46.2/27.1
15-65	15-65	15-65	15-65
5-25	5-25	5-25	5-25
•	•	•	•
•	•	•	•
•	•	•	•
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
200	260	260	260
L	XL	XL	XL
110	123	117	117
A	A	A	A
30	26	30	30
30	26	30	30
44	40	44	44
2 (4/6)	2 (4/6)	2 (4/6)	2 (4/6)
28/28	28/28	28/28	28/28
22/22	22/22	22/22	22/22
130.0	140.0	140.0	140.0
595 x 1,800 x 700	595 x 1,800 x 700	595 x 1,800 x 700	595 x 1,800 x 700
1Φ, 220-240 V, 50 Hz	1Φ, 220-240 V, 50 Hz	1Φ, 220-240 V, 50 Hz	1Φ, 220-240 V, 50 Hz
BLDC Twin Rotary	BLDC Twin Rotary	BLDC Twin Rotary	BLDC Twin Rotary
0.15	0.15	0.15	0.15
52	48	50	52
54	48	50	54
66	63	64	66
110.0	76.0	110.0	110.0
940 x 1,420 x 330	940 x 998 x 330	940 x 1,420 x 330	940 x 1,420 x 330
R32 (Fluorinated greenhouse gas, GWP=675)			
1.49	0.78	1.49	1.49
2.20	1.15	2.20	2.20
28/28	28/28	28/28	28/28
-25-35	-25-35	-25-35	-25-35
10-46	10-46	10-46	10-46
-25-43	-25-43	-25-43	-25-43



*A+++ energy label is available according to EU No. 811/2013 label classification 2019, on a scale from D to A+++

¹ A2W Condition : (Heating) Water In/Out 30°C/35°C, Outdoor Air 7°C[DB]/6°C[WB]; (Cooling) Water In/Out 23°C/18°C, Outdoor Air 35°C[DB].

² A2W Condition : (Heating) Water In/Out 47°C/55°C, Outdoor Air 7°C[DB]/6°C[WB].

³ 65°C down to +10°C (max. 60°C down to -5°C)

⁴ Sound pressure level is obtained in an anechoic room. Sound pressure level is a relative value, depending on the distance and acoustic environment. Sound pressure level may differ depending on operation conditions.

Specifications

ClimateHub Mono (Continued)

R32



	Indoor Unit				AE260RNMWGG/EU	AE260RNMWGG/EU	AE260RNMWGG/EU	
	Outdoor Unit				AE080RXYDGG/EU	AE120RXYDGG/EU	AE160RXYDGG/EU	
	Controller				MWR-WW10N	MWR-WW10N	MWR-WW10N	
System	Operation	Nominal Capacity	Heating A7/W35 ¹ / A7/W55 ²	kW	8.0/7.1	12.0/11.3	16.0/15.0	
			Cooling A35/W18 ¹	kW	7.5	12.0	14.0	
		Power Input (Nominal)	Heating A7/W35 ¹ / A7/W55 ²	kW	1.77/2.53	2.65/3.73	3.62/5.18	
			Cooling A35/W18 ¹	kW	1.90	2.77	3.28	
		COP (Nominal Heating) A7/W35 ¹ / A7/W55 ²		W/W	4.52/2.81	4.53/3.03	4.42/2.90	
		EER (Nominal Cooling) A35/W18 ¹		W/W	3.95	4.33	4.27	
		SCOP LWT 35°C/ 55°C		W/W	4.44/3.23	4.69/3.51	4.48/3.53	
		Seasonal Space Heating enr. efficiency ηs LWT 35°C/ 55°C		ETA%	175/ 126	185/ 138	176/ 138	
		Seasonal Space Heating Eff. class * LWT 35°C/ 55°C		-	A+++ / A++	A+++ / A++	A+++ / A++	
		Current	MCA	A	10.00	10.00	12.00	
			MFA	A	16.10	16.10	16.10	
		Water Flow Rate	Low / Medium temperature		l/min	23.1/12.8	34.6/20.4	46.2/27.1
	Leaving Water Temperature ³		Heating	°C	15~65	15~65	15~65	
		Cooling	°C	5~25	5~25	5~25		
Functions	Smart Grid Ready / PV Enabled		-	●	●	●		
	3-Step Quiet Mode		-	●	●	●		
	2-zone Control		-	●	●	●		
Tank Integrated Hydro Unit	Power Supply			Φ, #, V, Hz	3Φ, 4, 380~415 V, 50 Hz	3Φ, 4, 380~415 V, 50 Hz	3Φ, 4, 380~415 V, 50 Hz	
	Water Tank Volume			litres	260	260	260	
	Declared Load Profile			L/XL	XL	XL	XL	
	Average water heating efficiency ηwh			ETA%	123	117	117	
	Average Energy Efficiency Class			-	A	A	A	
	Sound	Sound Pressure ⁴	Heating Std	dB(A)	26	30	30	
			Cooling Std	dB(A)	26	30	30	
		Sound Power	Heating Std	dB(A)	40	44	44	
	Heater	Back-up heater Capacity		Default (Option)	kW	6	6	
	Piping	Water Pipe (Space Heating)		Inlet/ Outlet	Φ, mm	28/28	28/28	28/28
		Water pipe (DHW)		Inlet/ Outlet	Φ, mm	22/22	22/22	22/22
	Dimensions	Net Weight		kg	140.0	140.0	140.0	
Net Dimensions (WxHxD)		mm	595 x 1,800 x 700	595 x 1,800 x 700	595 x 1,800 x 700			
Outdoor Unit	Power Supply			Φ, V, Hz	3Φ, 380~415 V, 50 Hz	3Φ, 380~415 V, 50 Hz	3Φ, 380~415 V, 50 Hz	
	Compressor	Type		-	BLDC Twin Rotary	BLDC Twin Rotary	BLDC Twin Rotary	
	Base Heater	Capacity		kW	0.15	0.15	0.15	
	Sound	Sound Pressure ⁴	Heating Std	dB(A)	48	50	52	
			Cooling Std	dB(A)	48	50	54	
		Sound Power	Heating Std	dB(A)	63	64	66	
	Dimensions	Net Weight		kg	75.0	111.0	111.0	
		Net Dimensions (WxHxD)		mm	940 x 998 x 330	940 x 1,420 x 330	940 x 1,420 x 330	
	Refrigerant	Type		R32 (Fluorinated greenhouse gas, GWP=675)				
		Factory Charging		tCO ₂ e	0.78	1.49	1.49	
	Piping	Water Pipe (Space Heating)	Inlet/ Outlet	kg	1.15	2.20	2.20	
				Φ, mm	28/28	28/28	28/28	
	Operation	Ambient Temperature	Heating	°C	-25~35	-25~35	-25~35	
			Cooling	°C	10~46	10~46	10~46	
DHW			°C	-25~43	-25~43	-25~43		

Specifications

Mono with Third Party DHW Tank R32

- Intuitive, colour screen touch controller in multiple languages
- Energy monitoring through touch controller
- PV and Smart Grid ready
- 2-zone Control, suitable for floor heating and radiators
- SmartThings compatible with optional Wi-Fi kit



					Outdoor Unit Control Kit	AE050RXYDEG/EU MIM-E03CN	AE080RXYDEG/EU MIM-E03CN	AE120RXYDEG/EU MIM-E03CN
System	Operation	Nominal Capacity	Heating A7/W35 ¹ / A7/W55 ²	kW		5.0/4.3	8.0/7.1	12.0/11.3
			Cooling A35/W18 ¹	kW		5.0	7.5	12.0
		Power Input (Nominal)	Heating A7/W35 ¹ / A7/W55 ²	kW		1.03/1.52	1.77/2.53	2.65/3.73
			Cooling A35/W18 ¹	kW		1.14	1.90	2.77
		COP (Nominal Heating) A7/W35 ¹ / A7/W55 ²		W/W		4.85/2.83	4.52/2.81	4.55/3.03
		EER (Nominal Cooling) A35/W18 ¹		W/W		4.39	3.95	4.33
		Seasonal space heating enr. efficiency η_s LWT 35°C/ 55°C		ETA%		175/ 125	175/126	185/ 138
		Seasonal space heating eff. class** LWT 35°C/ 55°C		-		A+++ / A++	A+++ / A++	A+++ / A++
		Current	MCA	A		16.00	22.00	28.00
			MFA	A		20.00	27.50	35.00
	Leaving Water Temperature ²	Heating	°C			15–65	15–65	15–65
		Cooling	°C			5–25	5–25	5–25
	Functions	Smart Grid Ready / PV Enabled		-		•	•	•
		3-Step Quiet Mode		-		•	•	•
		2-zone Control		-		•	•	•
Outdoor Unit	Power Supply			Φ, V, Hz		1Φ, 220–240 V, 50 Hz	1Φ, 220–240 V, 50 Hz	1Φ, 220–240 V, 50 Hz
	Compressor	Type		-		BLDC Twin Rotary	BLDC Twin Rotary	BLDC Twin Rotary
	Base Heater	Capacity		kW		-	0.15	0.15
	Sound	Sound Pressure ⁴	Heating Std	dB(A)		45	48	50
			Cooling Std	dB(A)		45	48	50
		Sound Power	Heating Std	dB(A)		61	63	64
	Dimensions	Net Weight		kg		58.5	76.0	110.0
		Net Dimensions (WxHxD)		mm		880 x 798 x 310	940 x 998 x 330	940 x 1,420 x 330
	Piping	Water Pipe	Inlet/ Outlet	Φ, mm		25/ 25	25/ 25	25/ 25
	Refrigerant	Type				R32 (Fluorinated greenhouse gas, GWP=675)		
		Factory Charging		tCO ₂ e		0.68	0.78	1.49
				kg		1.00	1.15	2.20
	Operation	Ambient Temperature	Heating	°C		-25–35	-25–35	-25–35
			Cooling	°C		10–46	10–46	10–46
			DHW	°C		-25–43	-25–43	-25–43

Accessories



Mono Control Kit

Touch Controller

DMS2.5

Wi-Fi Kit

External Room Sensor

MIM-E03CN

MCM-A300N

MIM-D01AN

MIM-H04EN

MRW-TA



AE160RXYDEG/EU

AE080RXYDGG/EU

AE120RXYDGG/EU

AE160RXYDGG/EU

MIM-E03CN

MIM-E03CN

MIM-E03CN

MIM-E03CN

16.0/15.0

8.0/7.1

12.0/11.3

16.0/15.0

14.0

7.5

12.0

14.0

3.62/5.18

1.77/2.53

2.65/3.73

3.62/5.18

3.28

1.90

2.77

3.28

4.42/2.90

4.52/2.81

4.53/3.03

4.42/2.90

4.27

3.95

4.33

4.27

176/138

175/126

185/138

176/138

A+++ / A++

A+++ / A++

A+++ / A++

A+++ / A++

32.00

10.00

10.00

12.00

40.00

16.10

16.10

16.10

15-65

15-65

15-65

15-65

5-25

5-25

5-25

5-25

•

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•

1 Φ , 220-240 V, 50 Hz

3 Φ , 380-415 V, 50 Hz

3 Φ , 380-415 V, 50 Hz

3 Φ , 380-415 V, 50 Hz

BLDC Twin Rotary

BLDC Twin Rotary

BLDC Twin Rotary

BLDC Twin Rotary

0.15

0.15

0.15

0.15

52

48

50

52

54

48

50

54

66

63

64

66

110.0

75.0

111.0

111.0

940 x 1,420 x 330

940 x 998 x 330

940 x 1,420 x 330

940 x 1,420 x 330

25/ 25

25/ 25

25/ 25

25/ 25

R32 (Fluorinated greenhouse gas, GWP=675)

1.49

0.78

1.49

1.49

2.20

1.15

2.20

2.20

-25-35

-25-35

-25-35

-25-35

10-46

10-46

10-46

10-46

-25-43

-25-43

-25-43

-25-43



* A+++ energy label is available according to EU No. 811/2013 label classification 2019, on a scale from D to A+++

¹ A2W Condition : (Heating) Water In/Out 30°C/35°C, Outdoor Air 7°C[DB]/6°C[WB]; (Cooling) Water In/Out 23°C/18°C, Outdoor Air 35°C[DB].

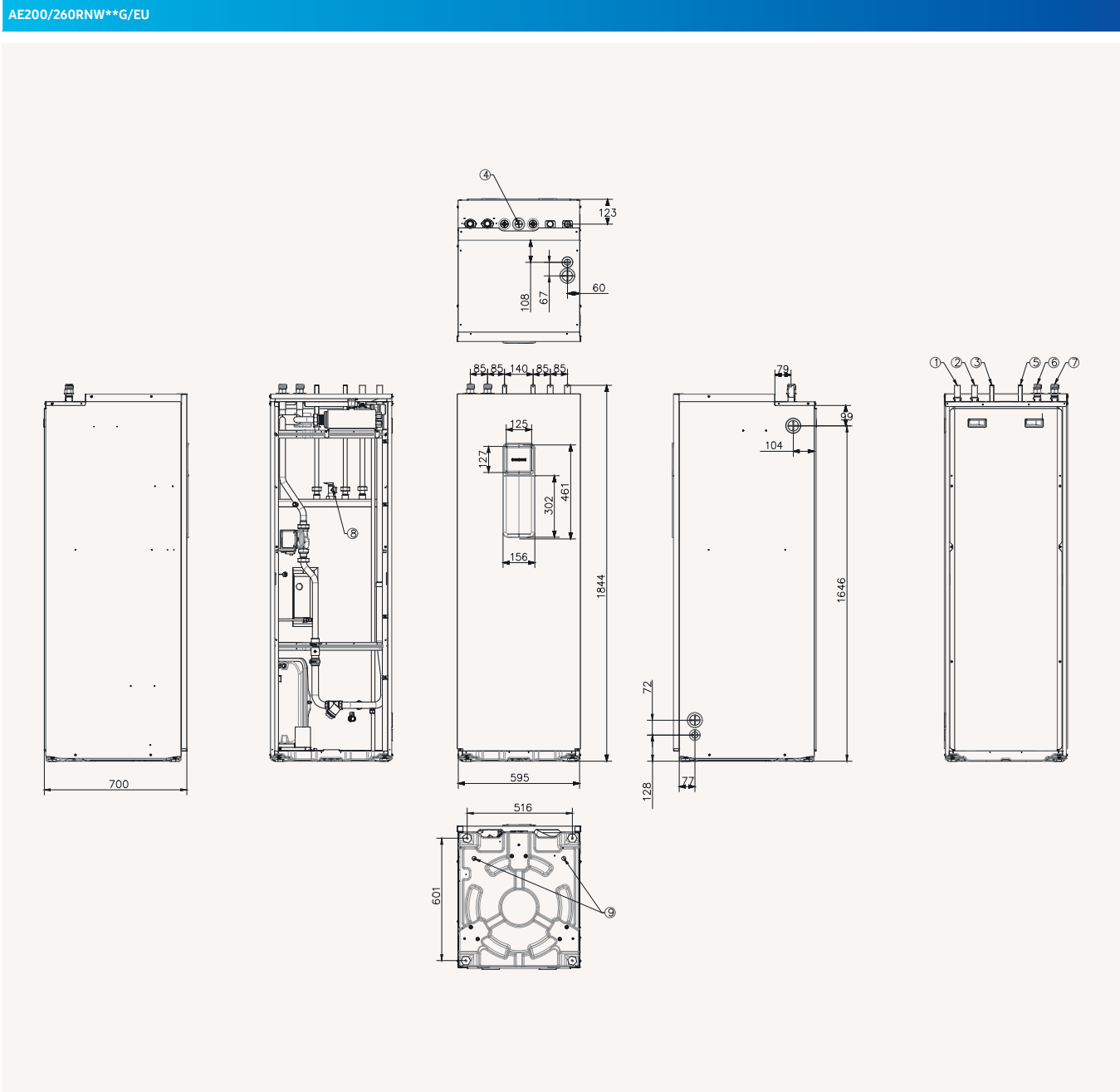
² A2W Condition : (Heating) Water In/Out 47°C/55°C, Outdoor Air 7°C[DB]/6°C[WB].

³ 65°C down to +10°C (max. 60°C down to -5°C)

⁴ Sound pressure level is obtained in an anechoic room. Sound pressure level is a relative value, depending on the distance and acoustic environment. Sound pressure level may differ depending on operation conditions.

Dimensional Drawings

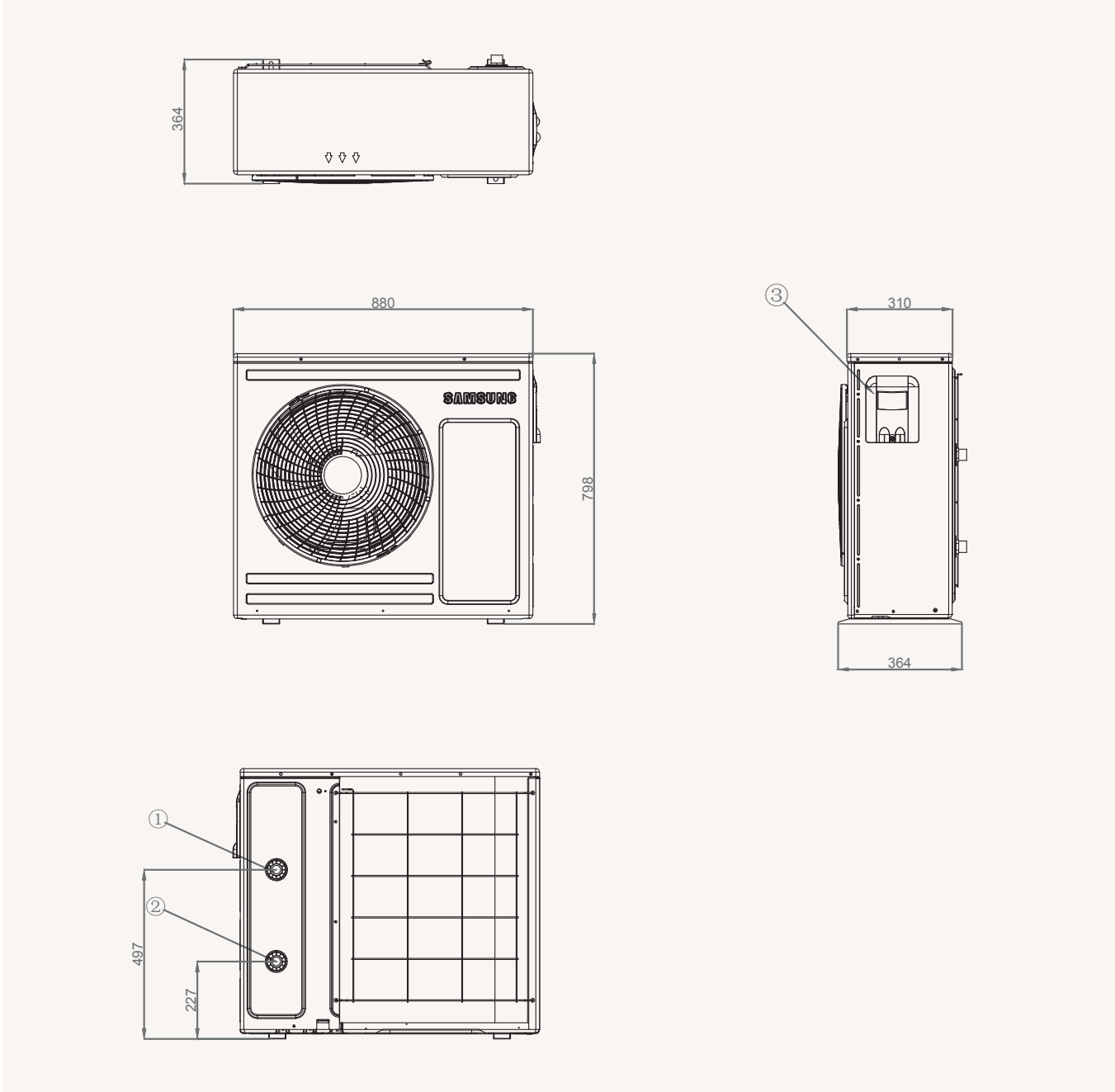
Mono Tank Integrated Hydro Unit



NO	Name	Description	
		AE200RNWMEG/EU	AE260RNWM*G/EU
1	Space heating Inlet	ø28	ø28
2	Space heating Outlet	ø28	ø28
3	DHW Inlet	ø22	ø22
4	Secondary water return	N/A	ø22
5	DHW Outlet	ø22	ø22
6	Heat Pump In	ø28	ø28
7	Heat Pump Out	ø28	ø28
8	T/P v/v	Female PT1/2"	Female PT1/2"
9	Drain Holes	(Option) Connect with the provided drain plug	

Mono Outdoor

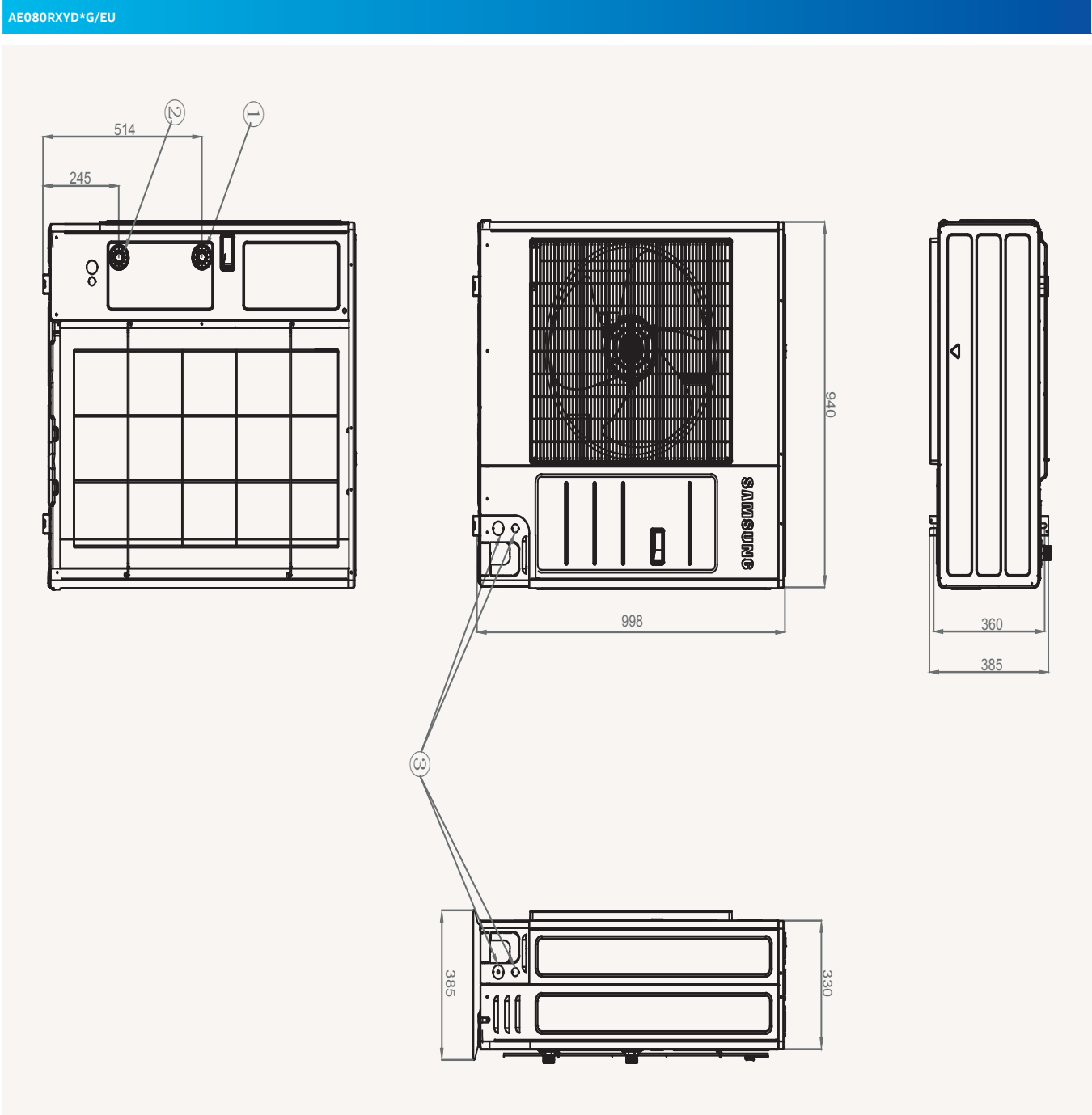
AE050RXYDEG/EU



NO	Name	Description
1	Water Pipe(Out)	BSPP male 1"
2	Water Pipe(In)	BSPP male 1"
3	Power & Communication Wiring Conduit Holes	

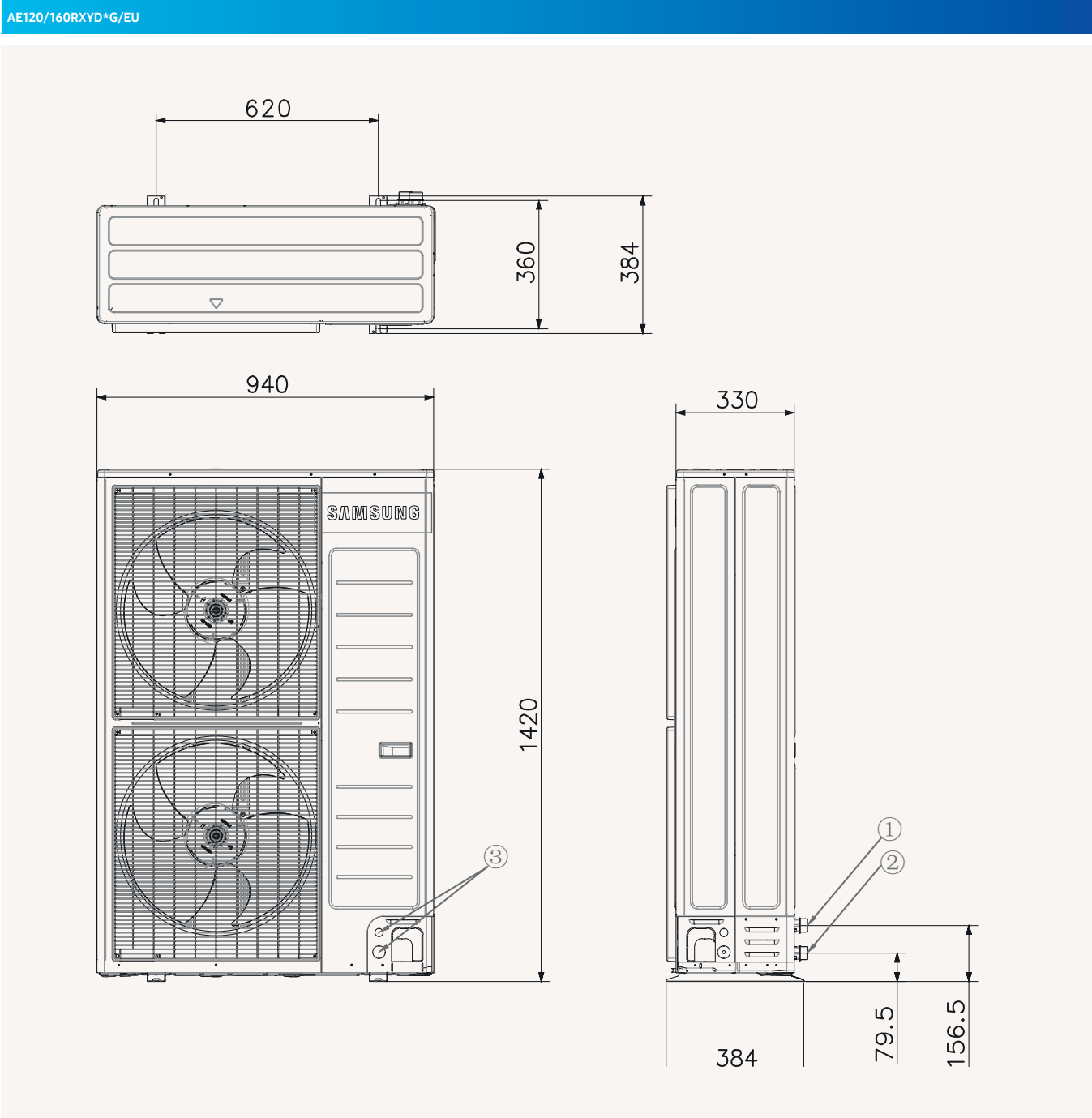
Dimensional Drawings

Mono Outdoor



NO	Name	Description
1	Water Pipe(Out)	BSPP male 1"
2	Water Pipe(In)	BSPP male 1"
3	Power & Communication Wiring Conduit Holes	

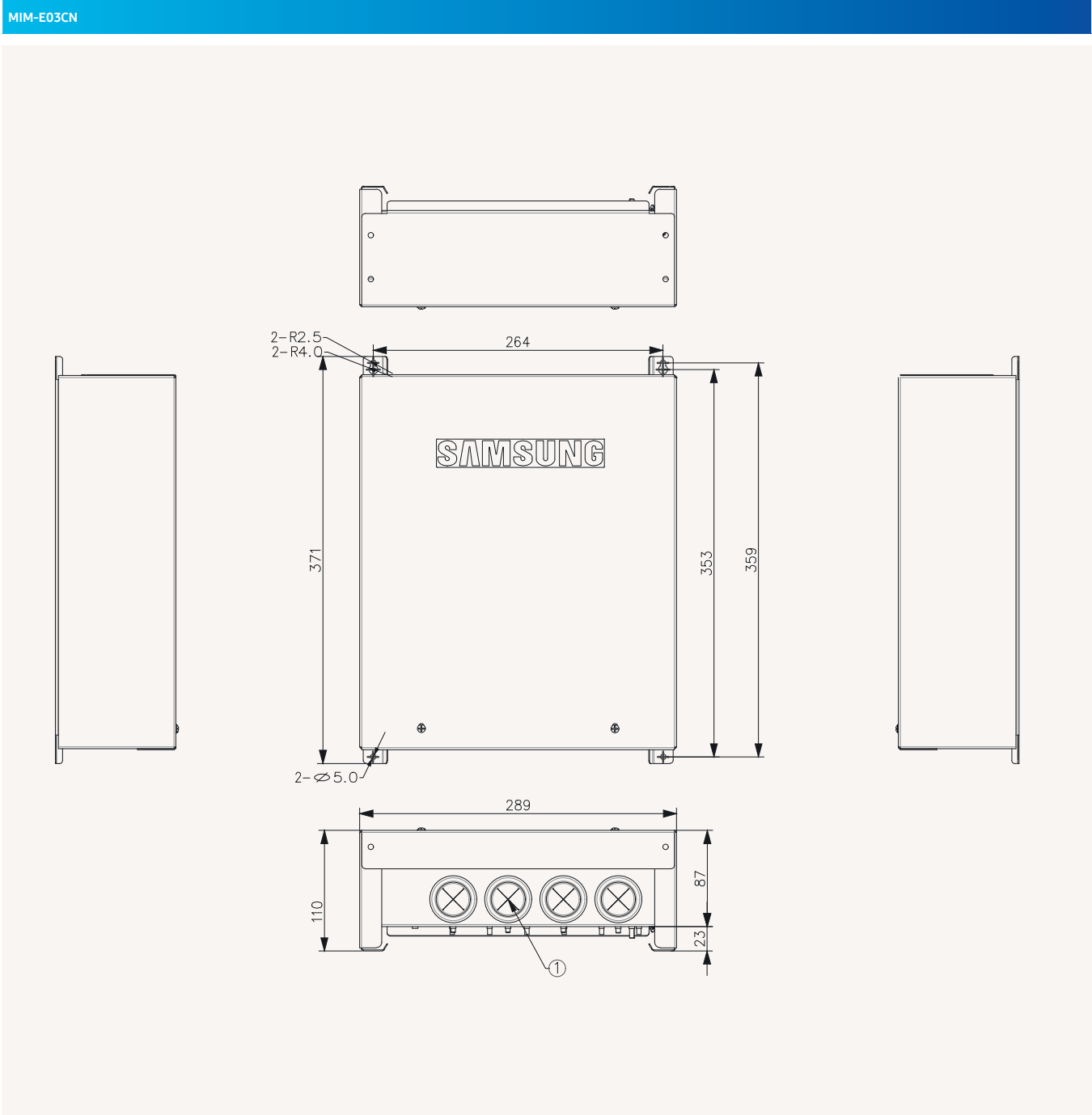
Mono Outdoor



NO	Name	Description
1	Water Pipe(Out)	BSPP male 1"
2	Water Pipe(In)	BSPP male 1"
3	Power & Communication Wiring Conduit Holes	

Dimensional Drawings

Mono Control Kit



NO	Name
1	Conduit Holes for Wiring (Rubber)

Split





Specifications

ClimateHub Split R32

- Integrated solution for heating and domestic hot water
- 4-step quiet operation mode (down to 35 db(A)¹)
- Compact unit size with large water tank (200 L & 260 L)



	Indoor Unit				AE200RNWSEG/EU	AE200RNWSEG/EU	AE200RNWSEG/EU
	Outdoor Unit				AE040RXEDEG/EU	AE060RXEDEG/EU	AE090RXEDEG/EU
	Controller				MWR-WW10N	MWR-WW10N	MWR-WW10N
System	Operation	Nominal Capacity	Heating A7/W35 ¹ / A7/W55 ²	kW	4.4/3.9	6.0/5.2	9.0/8.0
			Cooling A35/W18 ¹	kW	5.0	6.5	8.7
		Power Input (Nominal)	Heating A7/W35 ¹ / A7/W55 ²	kW	0.85/1.32	1.22/1.81	1.87/2.73
			Cooling A35/W18 ¹	kW	1.09	1.47	2.11
		COP (Nominal Heating) A7/W35 ¹ / A7/W55 ²		W/W	5.20/2.95	4.92/2.87	4.81/2.93
		EER (Nominal Cooling) A35/W18 ¹		W/W	4.59	4.42	4.12
		SCOP LWT 35°C/ 55°C		W/W	4.58/3.25	4.58/3.31	4.45/3.24
		Seasonal space heating enr. efficiency η _{sp} LWT 35°C/ 55°C		ETA%	180/127	180/129	175/127
		Average Seasonal space heating eff. class ** LWT 35°C/ 55°C		-	A+++ / A++	A+++ / A++	A+++ / A++
		Current	MCA	A	16.00	16.00	22.00
			MFA	A	20.00	20.00	27.50
		Leaving Water Temperature ³	Heating	°C	15-65	15-65	15-65
			Cooling	°C	5-25	5-25	5-25
	Functions	Smart Grid Ready / PV Enabled		-	•	•	•
		4-Step Quiet Mode		-	•	•	•
		2-zone Control		-	•	•	•
Tank Integrated Hydro Unit	Power Supply		Φ, #, V, Hz		1Φ, 2, 220-240 V, 50 Hz	1Φ, 2, 220-240 V, 50 Hz	1Φ, 2, 220-240 V, 50 Hz
	Water Tank Volume		litres		200	200	200
	Declared Load Profile		L/XL		L	L	L
	Average water heating efficiency η _{wh}		ETA%		120	120	119
	Average Energy Efficiency Class				A+	A+	A+
	Heater	Back-up heater Capacity	Default (Option)	kW	2 (4/6)	2 (4/6)	2 (4/6)
	Sound	Sound Pressure ⁴	Heating Std	dB(A)	26	26	26
			Cooling Std	dB(A)	26	26	26
		Sound Power	Heating Std	dB(A)	40	40	40
	Piping	Water pipe (Space Heating)	Inlet/Outlet	Φ, mm	28/28	28/28	28/28
		Water pipe (DHW)	Inlet/Outlet	Φ, mm	22/22	22/22	22/22
	Dimensions	Net Weight	kg		136	136	136
		Net Dimensions (WxHxD)	mm		595 x 1,800 x 700	595 x 1,800 x 700	595 x 1,800 x 700
Outdoor Unit	Power Supply		Φ, V, Hz		1Φ, 220-240 V, 50 Hz	1Φ, 220-240 V, 50 Hz	1Φ, 220-240 V, 50 Hz
	Compressor		Type	-	BLDC Twin Rotary	BLDC Twin Rotary	BLDC Twin Rotary
	Base Heater		Capacity	kW	-	-	0.15
	Sound	Sound Pressure ⁴	Heating Std	dB(A)	44	47	49
			Cooling Std	dB(A)	46	47	49
			Night Mode	dB(A)	<35	35	35
		Sound Power	Heating Std	dB(A)	58	60	64
	Dimensions	Net Weight	kg		46.5	46.5	73.0
		Net Dimensions (WxHxD)	mm		880 x 638 x 310	880 x 638 x 310	940 x 998 x 330
	Refrigerant		Type	-	R32 (Fluorinated greenhouse gas, GWP=675)		
	Factory Charging		tCO ₂ e		0.81	0.81	0.95
			kg		1.2	1.2	1.4
	Piping	Piping Connections	Liquid Pipe	Φ, mm (inch)	6.35 (1/4")	6.35 (1/4")	6.35 (1/4")
			Gas Pipe	Φ, mm (inch)	15.88 (5/8")	15.88 (5/8")	15.88 (5/8")
		Piping length (ODU-IDU) ⁵	Max. [Equiv.]	m	30.00	30.00	35.00
		Level difference (IDU-IDU) ⁵	Max.	m	20.00	20.00	20.00
	Operation	Ambient Temperature	Heating	°C	-25-35	-25-35	-25-35
			Cooling	°C	10-46	10-46	10-46
			DHW	°C	-25-43	-25-43	-25-43



Touch Controller

MWR-WW10N



Touch Controller

MCM-A300N



DMS2.5

MIM-D01AN



Wi-Fi Kit

MIM-H04EN



External Room Sensor

MRW-TA



Backup Heater (4/6kW)

MHC-*00FE



AE260RNWSEG/EU

AE040RXESEG/EU

MWR-WW10N



AE260RNWSEG/EU

AE060RXESEG/EU

MWR-WW10N



AE260RNWSEG/EU

AE090RXESEG/EU

MWR-WW10N



AE260RNWSEG/EU

AE090RXESEG/EU

MWR-WW10N

4.4/3.9	6.0/5.2	9.0/8.0	9.0/8.0
5.0	6.5	8.7	8.7
0.85/1.32	1.22/1.81	1.87/2.73	1.87/2.73
1.09	1.47	2.11	2.11
5.20/2.95	4.92/2.87	4.81/2.93	4.81/2.93
4.59	4.42	4.12	4.12
4.58/3.25	4.58/3.31	4.45/3.24	4.45/3.24
180/127	180/129	175/127	175/127
A+++ / A++	A+++ / A++	A+++ / A++	A+++ / A++
16.00	16.00	22.00	10.00
20.00	20.00	27.50	16.10
15-65	15-65	15-65	15-65
5-25	5-25	5-25	5-25
•	•	•	•
•	•	•	•
•	•	•	•
1Φ, 2, 220-240 V, 50 Hz	1Φ, 2, 220-240 V, 50 Hz	1Φ, 2, 220-240 V, 50 Hz	3Φ, 4, 380-415 V, 50 Hz
260	260	260	260
XL	XL	XL	XL
123	123	123	123
A+	A+	A+	A+
2 (4/6)	2 (4/6)	2 (4/6)	6
26	26	26	26
26	26	26	26
40	40	40	40
28/28	28/28	28/28	28/28
22/22	22/22	22/22	22/22
146.0	146.0	146.0	146.0
595 x 1,800 x 700	595 x 1,800 x 700	595 x 1,800 x 700	595 x 1,800 x 700
1Φ, 220-240 V, 50 Hz	1Φ, 220-240 V, 50 Hz	1Φ, 220-240 V, 50 Hz	3Φ, 380-415 V, 50 Hz
BLDC Twin Rotary	BLDC Twin Rotary	BLDC Twin Rotary	BLDC Twin Rotary
-	-	0.15	0.15
44	47	49	49
46	47	49	49
<35	35	35	35
58	60	64	64
46.5	46.5	73.0	72.0
880 x 638 x 310	880 x 638 x 310	940 x 998 x 330	940 x 998 x 330
R32 (Fluorinated greenhouse gas, GWP=675)			
0.81	0.81	0.95	0.95
1.2	1.2	1.4	1.4
6.35 (1/4")	6.35 (1/4")	6.35 (1/4")	6.35 (1/4")
15.88 (5/8")	15.88 (5/8")	15.88 (5/8")	15.88 (5/8")
30.00	30.00	35.00	35.00
20.00	20.00	20.00	20.00
-25-35	-25-35	-25-35	-25-35
10-46	10-46	10-46	10-46
-25-43	-25-43	-25-43	-25-43



*35dB(A) is only applicable for 6kW and 9kW outdoor units down to +4°C stated in 3 m distance in an anechoic environment.

**A+++ energy label is available according to EU No. 811/2013 label classification 2019, on a scale from D to A+++

¹A2W Condition : (Heating) Water In/Out 30°C/35°C, Outdoor Air 7°C[DB]/6°C[WB]; (Cooling) Water In/Out 23°C/18°C, Outdoor Air 35°C[DB].

²A2W Condition : (Heating) Water In/Out 47°C/55°C, Outdoor Air 7°C[DB]/6°C[WB].

³65°C down to +10°C (max. 60°C down to -5°C)

⁴Sound pressure level is obtained in an anechoic room. Sound pressure level is a relative value, depending on the distance and acoustic environment. Sound pressure level may differ depending on operation conditions.

⁵ODU : Outdoor Unit, IDU : Indoor Unit

Specifications

Split with Third Party DHW Tank R32

- Connectable with R32 Split Outdoor Unit in combination of third party Tank
- Compatible with thermostats, solar panels and back-up boilers
- Intuitive, colour screen touch controller in multiple languages
- Energy monitoring through touch controller
- PV and Smart Grid ready
- 2-zone Control, suitable for floor heating and radiators
- SmartThings compatible with optional Wi-Fi kit



		Indoor Unit		Outdoor Unit		AE090RNYDEG/EU	AE040RXEDEG/EU	AE090RNYDEG/EU	AE090RNYDEG/EU
						AE090RNYDEG/EU	AE040RXEDEG/EU	AE090RNYDEG/EU	AE090RNYDEG/EU
System	Operation	Nominal Capacity	Heating A7/W35 ¹ / A7/W55 ²	kW		4.4/3.9		6.0/5.2	9.0/8.0
			Cooling A35/W18 ¹	kW		5.0		6.5	8.7
		Power Input (Nominal)	Heating A7/W35 ¹ / A7/W55 ²	kW		0.85/1.32		1.22/1.81	1.87/2.73
			Cooling A35/W18 ¹	kW		1.09		1.47	2.11
		COP (Nominal Heating) A7/W35 ¹		W/W		5.20/2.95		4.92/2.87	4.81/2.93
		EER (Nominal Cooling) A35/W18 ¹		W/W		4.59		4.42	4.12
		Seasonal space heating enr. efficiency η _s LWT 35°C / 55°C		ETA%		180/127		180/129	175/127
		Seasonal Space Heating Eff. Class LWT 35°C / 55°C		-		A+++ / A++		A+++ / A++	A+++ / A++
		Current	MCA	A		16.00		16.00	22.00
			MFA	A		20.00		20.00	27.50
	Leaving Water Temperature ²		Heating	°C		15-65		15-65	15-65
			Cooling	°C		5-25		5-25	5-25
	Functions	Smart Grid Ready / PV Enabled		-		•		•	•
		4-Step Quiet Mode		-		•		•	•
		2-zone Control		-		•		•	•
Wall-Mounted Hydro Unit	Power Supply			Φ, V, Hz		1Φ, 2, 220-240 V, 50 Hz		1Φ, 2, 220-240 V, 50 Hz	1Φ, 2, 220-240 V, 50 Hz
	Heater	Back-up heater Capacity	Default (Option)	kW		4		4	4
	Sound	Sound Pressure ³	Heating Std	dB(A)		26		26	26
			Cooling Std	dB(A)		26		26	26
	Sound Power	Heating Std		dB(A)		40		40	40
Outdoor unit	Dimensions	Net Weight		kg		45.0		45.0	45.0
			Net Dimensions (WxHxD)	mm		510 x 850 x 315		510 x 850 x 315	510 x 850 x 315
	Piping	Water pipe	Inlet/Outlet	Φ, inch		1+1/4"		1+1/4"	1+1/4"
	Compressor	Type		-		BLDC Twin Rotary		BLDC Twin Rotary	BLDC Twin Rotary
	Base Heater	Capacity		kW		-		-	0.15
	Sound	Sound Pressure ³	Heating Std	dB(A)		44		47	49
			Cooling Std	dB(A)		46		47	49
	Sound Power	Heating Std		dB(A)		58		60	64
	Dimensions	Net Weight		kg		46.5		46.5	73.0
			Net Dimensions (WxHxD)	mm		880 x 638 x 310		880 x 638 x 310	940 x 998 x 330
	Refrigerant	Type				R32 (Fluorinated greenhouse gas, GWP=675)			
	Factory Charging			tCO ₂ e		1.2		1.2	1.4
				kg		0.81		0.81	0.95
Piping	Piping Connections	Liquid Pipe		Φ, mm (inch)		6.35 (1/4")		6.35 (1/4")	6.35 (1/4")
			Gas Pipe	Φ, mm (inch)		15.88 (5/8")		15.88 (5/8")	15.88 (5/8")
	Piping length (ODU-IDU) ⁴	Max. [Equiv.]		m		30		30	35
	Level difference (IDU-IDU) ⁴	Max.		m		20		20	20
	Chargeless Length			Φ, mm		15		15	15
	Operation	Ambient Temperature	Heating	°C		-25-35		-25-35	-25-35
			Cooling	°C		10-46		10-46	10-46
	DHW			°C		-25-43		-25-43	-25-43

Accessories



Touch Controller (included)

Touch Controller

DMS2.5

Wi-Fi Kit

External Room Sensor

MWR-WW10N

MCM-A300N

MIM-D01AN

MIM-H04EN

MRW-TA



AE090RNYDGG/EU

AE090RXEDGG/EU

9.0/8.0

8.7

1.87/2.73

2.11

4.81/2.93

4.12

175/127

A+++ / A++

10.00

16.10

15-65

5-25

•

•

•

3Φ, 2, 380-415 V, 50 Hz

6

26

26

40

46.5

510 x 850 x 315

1+1/4"

BLDC Twin Rotary

0.15

49

49

64

72.0

940 x 998 x 330

R32 (Fluorinated greenhouse gas,
GWP=675)

1.4

0.95

6.35 (1/4")

15.88 (5/8")

35

20

15

-25-35

10-46

-25-43



*A+++ energy label is available according to EU No. 811/2013 label classification 2019, on a scale from D to A+++

¹A2W Condition : (Heating) Water In/Out 30°C/35°C, Outdoor Air 7°C[DB]/6°C[WB]; (Cooling) Water In/Out 23°C/18°C, Outdoor Air 35°C[DB].

²A2W Condition : (Heating) Water In/Out 47°C/55°C, Outdoor Air 7°C[DB]/6°C[WB].

³Sound pressure level is obtained in an anechoic room. Sound pressure level is a relative value, depending on the distance and acoustic environment. Sound pressure level may differ depending on operation conditions.

⁴ODU : Outdoor Unit, IDU : Indoor Unit

Specifications

Split with Third Party DHW Tank (R410A)

- Connectable with R410A Split Outdoor Unit in combination of third party Tank
- Compatible with room thermostats, solar pumps, 2- or 3-way valves and back-up boilers



		Indoor Unit			AE160JNYDEH/EU AE120JXEDEH/EU		AE160JNYDGH/EU AE120JXDGH/EU		AE160JNYDEH/EU AE160JXEDEH/EU		
		Outdoor Unit									
System	Operation	Nominal Capacity		Heating A7/W35 ¹	kW	12.0		12.0		16.0	
				Cooling A35/W18 ¹	kW	12.0		12.0		15.0	
		Power Input (Nominal)		Heating A7/W35 ¹	kW	2.59		2.59		3.76	
				Cooling A35/W18 ¹	kW	3.10		3.10		4.14	
		COP (Nominal Heating) A7/W35 ¹			W/W	4.63		4.63		4.26	
		EER (Nominal Cooling) A35/W18 ¹			W/W	3.87		3.87		3.62	
		Seasonal space heating enr. efficiency $\eta_{s, \text{eff}}$ LWT 35°C / 55°C			ETA%	184 / 107		184 / 107		173 / 115	
		Seasonal Space Heating Eff. Class LWT 35°C / 55°C			-	A+++ / A+		A+++ / A+		A++ / A+	
		Current		MCA	A	28.00		10.00		32.00	
				MFA	A	35.00		16.10		37.50	
		Leaving Water Temperature		Heating	°C	25~55		25~55		25~55	
				Cooling	°C	5~25		5~25		5~25	
	Functions		Smart Grid Ready/PV Enabled		-	-		-		-	
			3-Step Quiet Mode		-	●		●		●	
			2-zone Control ²		-	●		●		●	
Wall-Mounted Hydro Unit	Power Supply			Φ, V, Hz	1Φ, 2, 220~240 V, 50 Hz		3Φ, 2, 380~415 V, 50 Hz		1Φ, 2, 220~240 V, 50 Hz		
	Heater	Capacity		kW	6		6		6		
	Sound	Sound Pressure ³	Heating Std	dB(A)	33		33		33		
			Cooling Std	dB(A)	33		33		33		
		Sound Power	Heating Std	dB(A)	47		47		47		
			Cooling Std	dB(A)	47		47		47		
	Piping	Water pipe		Inlet/Outlet	Φ, inch	1+1/4"		1+1/4"		1+1/4"	
	Dimensions	Net Weight		kg	45.0		46.5		45.0		
		Net Dimensions (WxHxD)		mm	510 x 850 x 315		510 x 850 x 315		510 x 850 x 315		
Outdoor unit	Compressor	Type		-	BLDC Twin Rotary		BLDC Twin Rotary		BLDC Twin Rotary		
	Base Heater	Capacity		kW	0.15		0.15		0.15		
	Sound	Sound Pressure ³	Heating Std	dB(A)	50		50		52		
			Cooling Std	dB(A)	50		50		54		
			Heating Std	dB(A)	64		64		66		
	Dimensions	Net Weight		kg	100.0		101.5		100.0		
		Net Dimensions (WxHxD)		mm	940 x 1,420 x 330		940 x 1,420 x 330		940 x 1,420 x 330		
	Refrigerant	Type			R410A (Fluorinated greenhouse gas, GWP=2,088)						
		Factory Charging			tCO ₂ e	6.22		6.22		6.22	
					kg	2.98		2.98		2.98	
	Piping	Piping Connections	Liquid Pipe	Φ, mm (inch)	9.52 (3/8")		9.52 (3/8")		9.52 (3/8")		
			Gas Pipe	Φ, mm (inch)	15.88 (5/8")		15.88 (5/8")		15.88 (5/8")		
		Piping length (ODU-IDU) ⁴		Max. [Equiv.]	m	50		50		50	
		Level difference (IDU-IDU) ⁴		Max.	m	30		30		30	
		Chargeless Length			Φ, mm	15		15		15	
		Operation	Ambient Temperature		Heating	°C	-25~35		-25~35		-25~35
			Cooling	°C	10~46		10~46		10~46		
			DHW	°C	-25~43		-25~43		-25~43		

Accessories



EHS Controller (included)

MWR-WW00N



Touch Controller

MCM-A300N



DMS2.5

MIM-D01AN



Wi-Fi Kit

MIM-H04EN



External Room Sensor

MRW-TA



AE160JNYDGH/EU

AE160JXEDGH/EU

16.0

15.0

3.76

4.14

4.26

3.62

173/115

A++ / A+

12.00

16.10

25-55

5-25

-

•

•

3Φ, 2, 380-415 V, 50 Hz

6

33

33

47

1+1/4"

46.5

510 x 850 x 315

BLDC Twin Rotary

0.15

52

54

66

101.5

940 x 1,420 x 330

R410A (Fluorinated greenhouse gas, GWP=2,088)

6.22

2.98

9.52 (3/8")

15.88 (5/8")

50

30

15

-25-35

10-46

-25-43



¹ A2W Conditions : (Heating) Water In/Out 30°C/35°C, Outdoor Air 7°C[DB]/6°C[WB]; (Cooling) Water In/Out 23°C/18°C, Outdoor Air 35°C[DB].

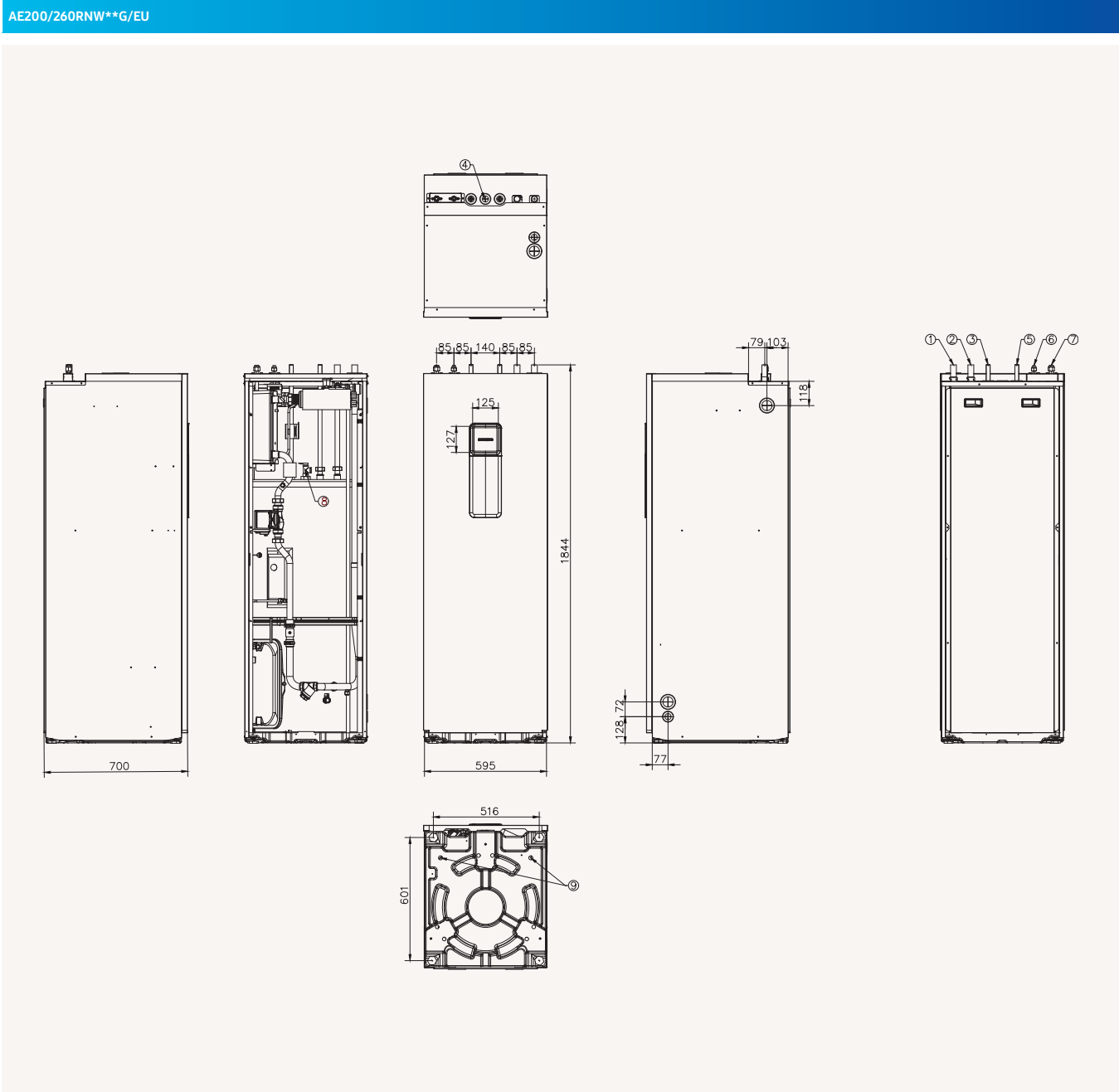
² Not provided by Samsung.

³ Sound pressure level is obtained in an anechoic room. Sound pressure level is a relative value, depending on the distance and acoustic environment. Sound pressure level may differ depending on operation conditions.

⁴ ODU: Outdoor Unit, IDU: Indoor Unit

Dimensional Drawings

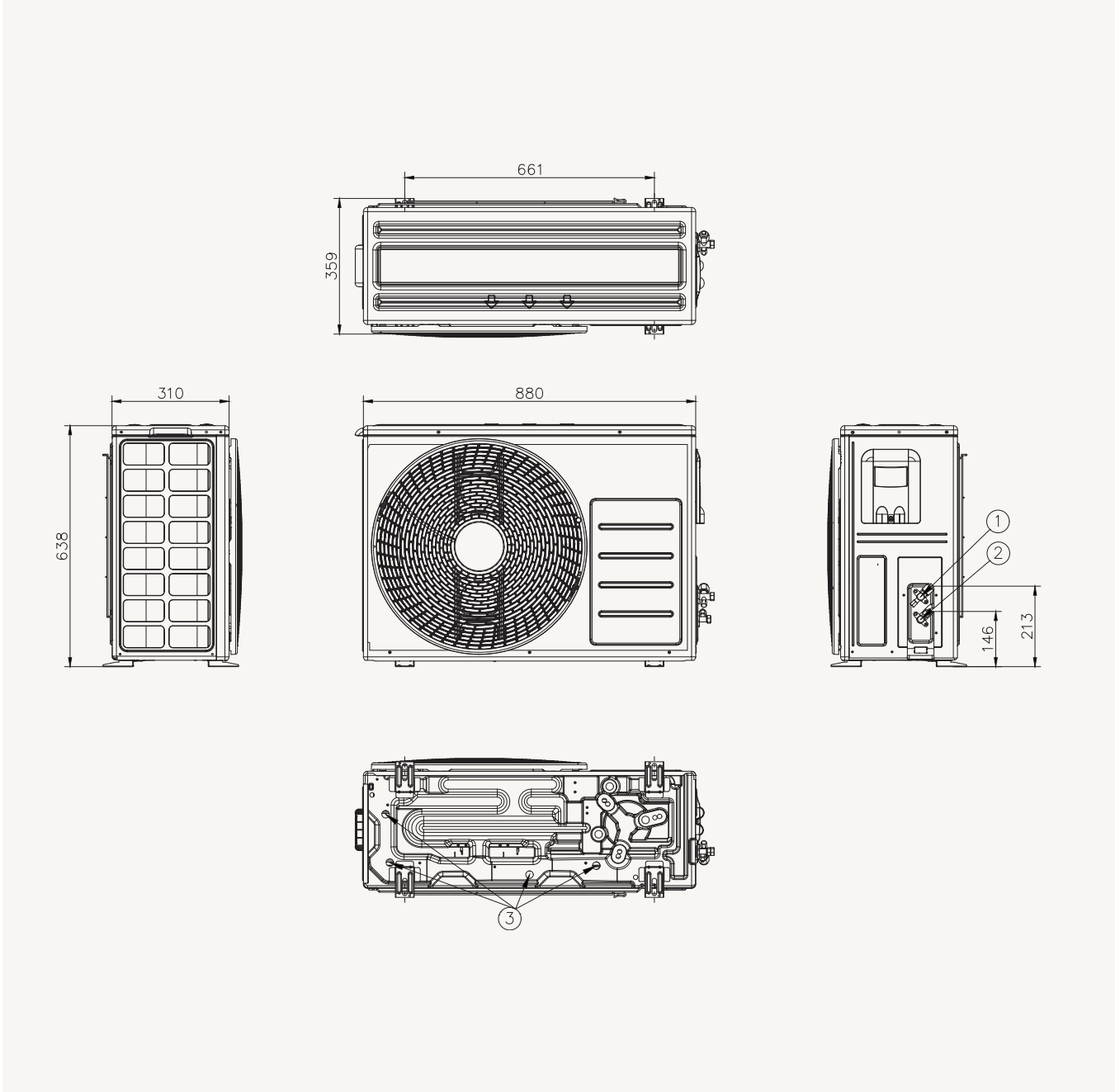
Split Tank Integrated Hydro Unit



NO	Name	Description	
		AE200RNWSEG/EU	AE260RNWS*G/EU
1	Space heating Inlet	Ø28	Ø28
2	Space heating Outlet	Ø28	Ø28
3	DHW Inlet	Ø22	Ø22
4	Secondary water return	N/A	Ø22
5	DHW Outlet	Ø22	Ø22
6	Refrigerant liquid pipe	Ø9.52	Ø9.52
7	Refrigerant gas pipe	Ø15.88	Ø15.88
8	T/P v/v	Female PT1/2"	Female PT1/2"
9	Drain Holes	(Option) Connect with the provided drain plug	

Split Outdoor

AE040/060RXEDEC/EU

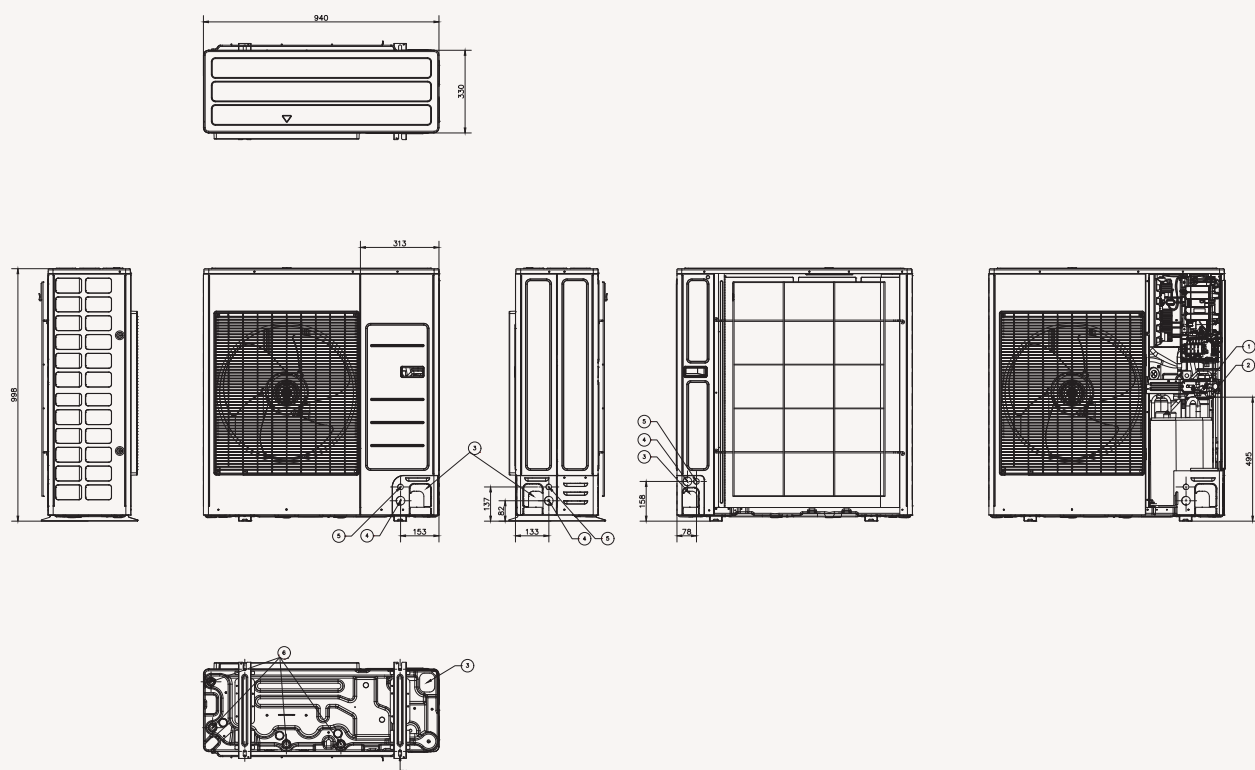


NO	Name	Description
1	Refrigerant liquid pipe	Φ6.35(1/4)
2	Refrigerant gas pipe	Φ15.88(5/8)
3	Drain holes	Connect with the provided drain plug.

Dimensional Drawings

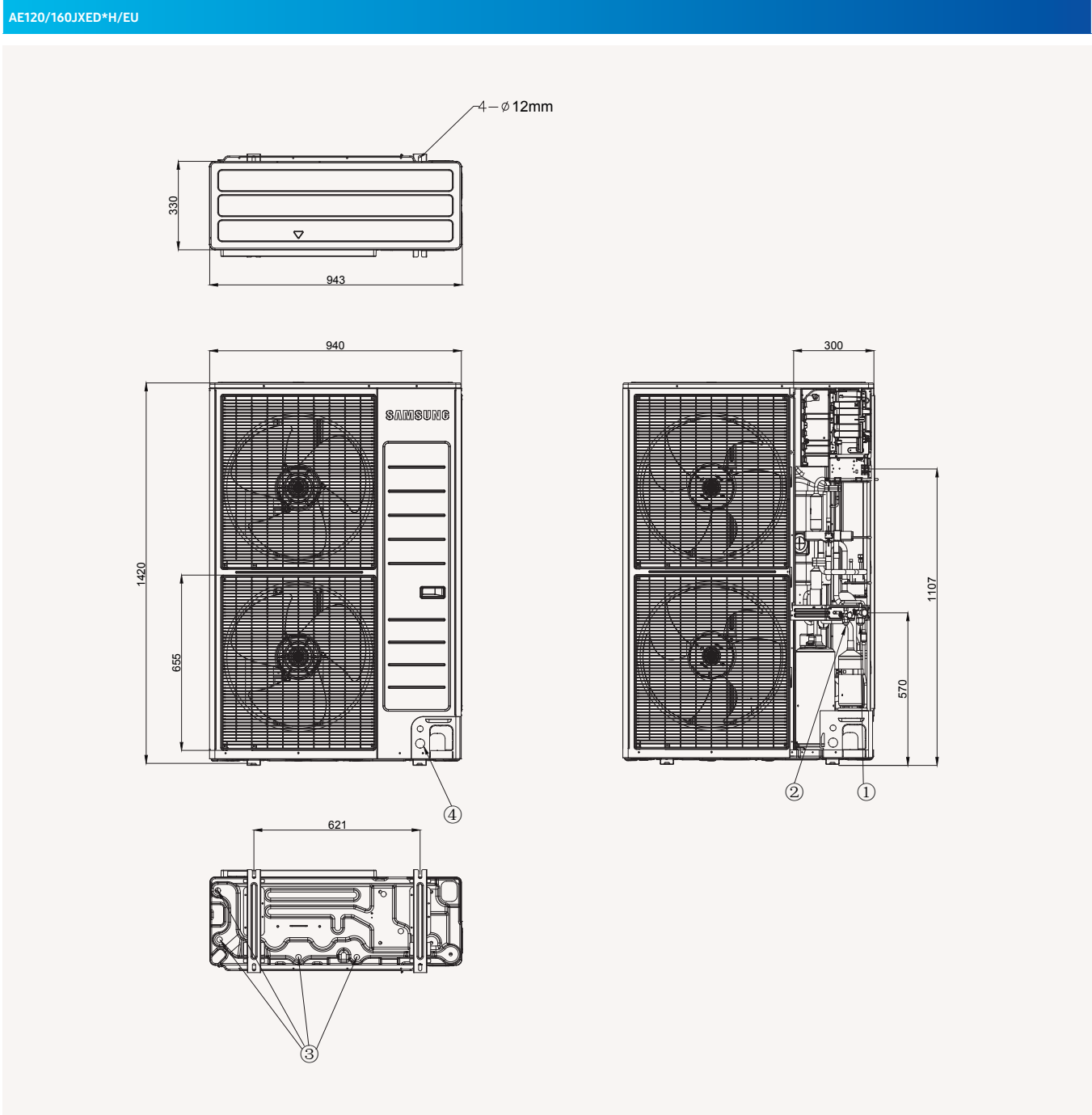
Split Outdoor

AE090RXED*G/EU



NO	Name	Description
1	Refrigerant gas pipe	Φ6.35(1/4)
2	Refrigerant liquid pipe	Φ15.88(5/8)
3	Piping intake knockout hole	Front / Side / Rear / Bottom
4	Power wiring conduit	Front / Side / Rear, Φ34 [1-3/8]
5	Communication wiring conduit	Front / Side / Rear, Φ22 [7/8]
6	Drain Hole	Connect with the provided drain plug

Split Outdoor

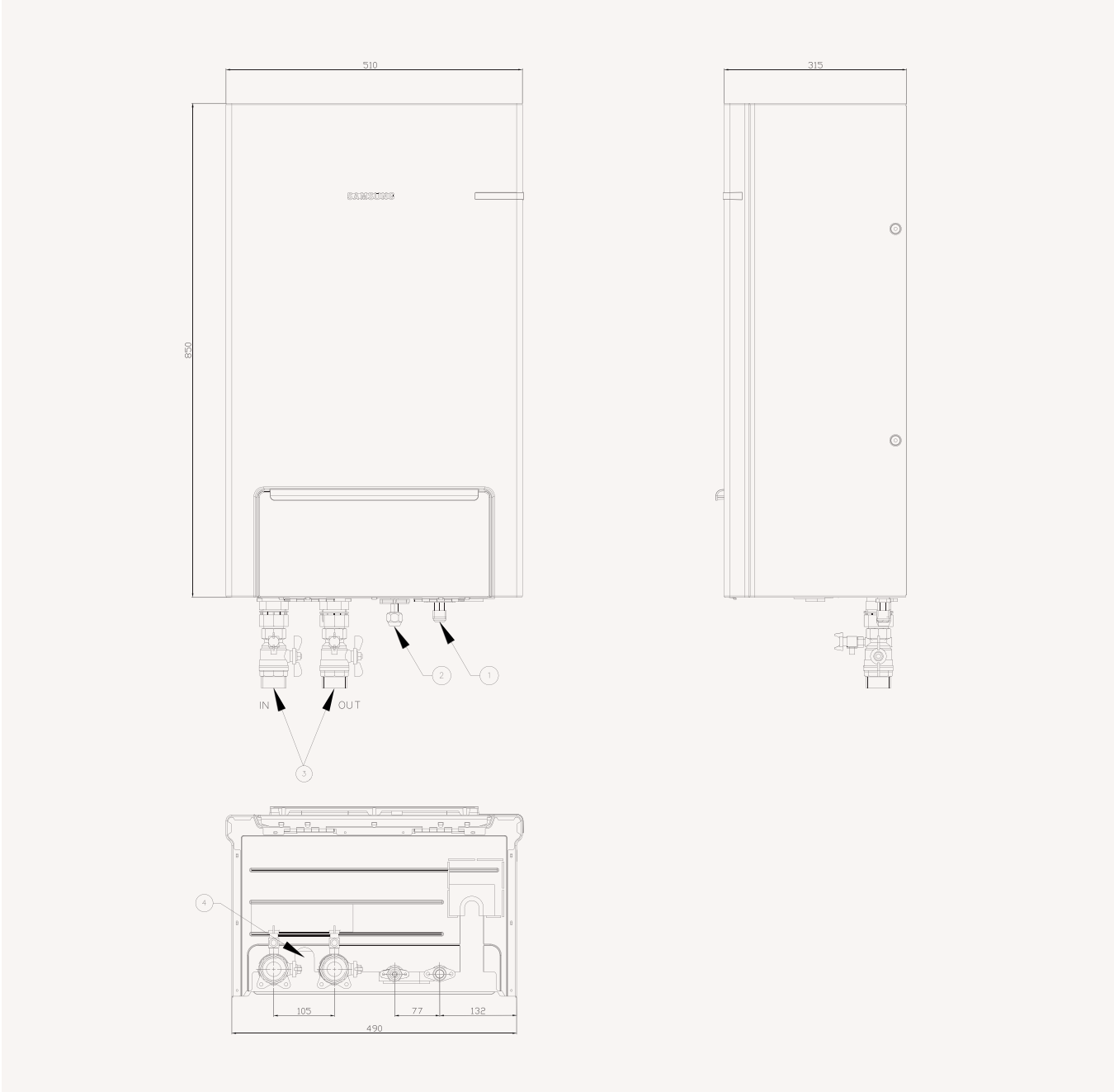


NO	Name	Description
1	Refrigerant gas pipe	φ 15.88
2	Refrigerant liquid pipe	φ 9.52
3	Drain Hole	Connect with the provided drain plug
4	Power wiring conduit	N/A

Dimensional Drawings

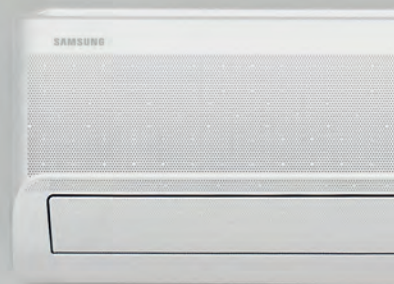
Split Wall-Mounted Hydro Unit

AE090RNYD*G/EU, AE160JNYD*H/EU



NO	Name
1	Refrigerant gas pipe
2	Refrigerant liquid pipe
3	Water pipe inlet/outlet
4	Drain Hose Connector

TDM Plus





Specifications

ClimateHub TDM Plus (R410A)

- 'All in one' air-to-water and air-to-air system
- PV and Smart Grid ready
- Compact unit size with large water tank (200L & 260L)
- 2-zone control, suitable for floor heating and radiators
- Intuitive, colour screen touch controller in multiple languages
- SCOP rating of A++++*
- Energy monitoring through touch controller
- SmartThings compatible with optional Wi-Fi kit
- Smooth servicing through the front-mounted service window
- Backup heater is included to ensure continuous heating



		Indoor Unit		Outdoor Unit		AE200TNWTEH/EU	AE200TNWTEH/EU
		Controller				AE044MXTPEH/EU	AE066MXTPEH/EU
						MWR-WW10N	MWR-WW10N
System	Operation	Nominal Capacity	Heating A7/W35 ¹ / A7/W55 ²	kW		4.4/ 3.8	6.6/ 4.8
			Cooling A35/W18 ¹	kW		5.1	6.7
		Power Input (Nominal)	Heating A7/W35 ¹ / A7/W55 ²	kW		0.93/ 1.37	1.47/ 1.85
			Cooling A35/W18 ¹	kW		1.03	1.48
		COP (Nominal Heating) A7/W35 ¹ / A7/W55 ²		W/W		4.73/ 2.80	4.49/ 2.59
		EER (Nominal Cooling) A35/W18 ¹		W/W		4.95	4.53
		SCOP LWT 35°C/ 55°C		W/W		4.41/ 2.83	4.41/ 2.96
		Seasonal space heating enr. efficiency η _s LWT 35°C/ 55°C		ETA%		173/ 110	173/ 115
		Average Seasonal space heating eff. class ** LWT 35°C/ 55°C		-		A++ / A+	A++ / A+
		Current	MCA	A		18.00	20.00
			MFA	A		25.00	25.00
		Maximum allowable IDU ⁵ connections (Hydro A2W unit not included)	Max. number of IDU ⁵	EA		2	3
			Total capacity Min. (Cooling)	kW		2.20	3.30
		Leaving Water Temperature ³	Total capacity Min. (Cooling)	kW		4.40	6.60
			Heating	°C		15-55	15-55
Tank Integrated Hydro Unit	Functions	Smart Grid Ready / PV Enabled	Cooling	°C		5-25	5-25
		3-Step Quiet Mode					
		2-zone Control					
		Power Supply		Φ, #, V, Hz		1Φ, 2, 220-240 V, 50 Hz	1Φ, 2, 220-240 V, 50 Hz
		Water Tank Volume		litres		200	200
		Declared Load Profile		L/XL		L	L
		Average water heating efficiency η _{wh}		ETA%		115	115
		Average Energy Efficiency Class				A+	A+
		Heater	Back-up heater Capacity	kW		2 (4/6)	2 (4/6)
			Default (Option)				
		Sound	Sound Pressure ⁴				
			Heating Std	dB(A)		29	29
		Sound Power	Cooling Std	dB(A)		29	29
			Heating Std	dB(A)		43	43
		Piping	Water pipe (Space Heating)	Φ, inch		1+1/4"	1+1/4"
			Inlet/Outlet				
		Dimensions	Net Weight	kg		137	137
			Net Dimensions (WxHxD)	mm		595 x 1,800 x 700	595 x 1,800 x 700
Outdoor Unit	Power Supply	Compressor	Type	Φ, V, Hz		1Φ, 2, 220-240 V, 50 Hz	1Φ, 2, 220-240 V, 50 Hz
		Base Heater	Capacity	kW		-	-
		Sound	Sound Pressure ⁴	dB(A)		47	48
			Cooling Std	dB(A)		46	47
		Sound Power	Heating Std	dB(A)		65	67
		Dimensions	Net Weight	kg		61.0	61.0
			Net Dimensions (WxHxD)	mm		880 x 793 x 310	880 x 793 x 310
		Refrigerant	Type	Type		R410A (Fluorinated greenhouse gas, GWP=2,088)	
			Factory Charging	tCO ₂ e		5.43	5.43
		Piping		kg		2.6	2.6
		Piping Connections	Liquid Pipe	Φ, mm (inch)		9.52 (3/8")	9.52 (3/8")
			Gas Pipe	Φ, mm (inch)		15.88 (5/8")	15.88 (5/8")
		Piping length (ODU-IDU) ⁵	Max.[Equiv.]	m		30	30
			Level difference (IDU-IDU) ⁵	m		20	20
		Chargeless length	Max.	m		10	10
		Operation	Ambient Temperature A2W	°C		-25-35	-25-35
			Heating	°C		10-46	10-46
		Ambient Temperature A2A	Cooling	°C		-25-43	-25-43
			Heating	°C		-25-24	-25-24
			Cooling	°C		10-46	10-46

Accessories



Touch Controller	Touch Controller	DMS2.5	Wi-Fi Kit	External Room Sensor	Backup Heater (4/6kW)
MWR-WW10N	MCM-A300N	MIM-D01AN	MIM-H04EN	MRW-TA	MHC-*00FE



AE200TNWTEH/EU AE090MXTPEH/EU MWR-WW10N	AE200TNWTEH/EU AE090MXTPGH/EU MWR-WW10N	AE260TNWTEH/EU AE044MXTPEH/EU MWR-WW10N	AE260TNWTEH/EU AE066MXTPEH/EU MWR-WW10N
9.0/ 7.7	9.0/ 7.7	4.4/ 3.8	6.6/ 4.8
8.0	8.0	5.1	6.7
2.12/ 2.82	2.12/ 2.82	0.93/ 1.37	1.47/ 1.85
1.85	1.86	1.03	1.48
4.25/ 2.72	4.25/ 2.69	4.73/ 2.80	4.49/ 2.59
4.32	4.30	4.95	4.53
4.42/ 3.01	4.44/ 2.86	4.41/ 2.83	4.41/ 2.96
174/ 117	175/ 111	173/ 110	173/ 115
A++ / A+	A+++ / A+	A++ / A+	A++ / A+
22.00	10.00	18.00	20.00
27.50	16.10	25.00	25.00
4	4	2	3
4.50	4.50	2.20	3.30
9.00	9.00	4.40	6.60
15-55	15-55	15-55	15-55
5-25	5-25	5-25	5-25
•	•	•	•
•	•	•	•
•	•	•	•
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
200	200	260	260
L	L	XL	XL
115	115	105	105
A+	A+	A	A
2 (4/6)	2 (4/6)	2 (4/6)	2 (4/6)
29	29	29	29
29	29	29	29
43	43	43	43
1+1/4"	1+1/4"	1+1/4"	1+1/4"
137	137	147	147
595 x 1,800 x 700	595 x 1,800 x 700	595 x 1,800 x 700	595 x 1,800 x 700
1Φ, 2, 220-240 V, 50 Hz	3Φ, 4, 380-415 V, 50 Hz	1Φ, 2, 220-240 V, 50 Hz	1Φ, 2, 220-240 V, 50 Hz
Rotary Comp	Rotary Comp	Rotary Comp	Rotary Comp
-	-	-	-
51	51	47	48
50	50	46	47
69	69	65	67
74.0	76.0	61.0	61.0
940 x 998 x 330	940 x 998 x 330	880 x 793 x 310	880 x 793 x 310
R410A (Fluorinated greenhouse gas, GWP=2,088)			
5.01	5.01	5.43	5.43
2.4	2.4	2.6	2.6
9.52 (3/8")	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")
15.88 (5/8")	15.88 (5/8")	15.88 (5/8")	15.88 (5/8")
30	30	30	30
20	20	20	20
10	10	10	10
-25-35	-25-35	-25-35	-25-35
10-46	10-46	10-46	10-46
-25-43	-25-43	-25-43	-25-43
-25-24	-25-24	-25-24	-25-24
10-46	10-46	10-46	10-46



*35dB(A) is only applicable for 6kW and 9kW outdoor units down to +4°C stated in 3 m distance in an anechoic environment.

**A+++ energy label is available according to EU No. 811/2013 label classification 2019, on a scale from D to A+++

¹A2W Condition : (Heating) Water In/Out 30°C/35°C, Outdoor Air 7°C[DB]/6°C[WB]; (Cooling) Water In/Out 23°C/18°C, Outdoor Air 35°C[DB].

²A2W Condition : (Heating) Water In/Out 47°C/55°C, Outdoor Air 7°C[DB]/6°C[WB].

³65°C down to +10°C (max. 60°C down to -5°C)

⁴Sound pressure level is obtained in an anechoic room. Sound pressure level is a relative value, depending on the distance and acoustic environment. Sound pressure level may differ depending on operation conditions.

⁵ODU : Outdoor Unit, IDU : Indoor Unit

Specifications

ClimateHub TDM Plus (R410A) (Continued)



	Indoor Unit			AE260TNWTEH/EU		AE260TNWTEH/EU		
	Outdoor Unit			AE090MXTPEH/EU		AE120MXTPEH/EU		
	Controller			MWR-WW10N		MWR-WW10N		
System	Operation	Nominal Capacity	Heating A7/W35 ¹ / A7/W55 ²	kW	9.0/ 7.7		12.0/ 10.7	
			Cooling A35/W18 ¹	kW	8.0		12.0	
		Power Input (Nominal)	Heating A7/W35 ¹ / A7/W55 ²	kW	2.12/ 2.82		2.72/ 3.91	
			Cooling A35/W18 ¹	kW	1.85		2.90	
		COP (Nominal Heating) A7/W35 ¹ / A7/W55 ²		W/W	4.25/ 2.72		4.41/ 2.74	
		EER (Nominal Cooling) A35/W18 ¹		W/W	4.32		4.14	
		SCOP LWT 35°C/ 55°C		W/W	4.42/ 3.01		4.65/ 2.92	
		Seasonal space heating enr. efficiency η _s LWT 35°C/ 55°C		ETA%	174/ 117		183/114	
		Average Seasonal space heating eff. class ** LWT 35°C/ 55°C		-	A++ / A+		A+++ / A+	
		Current	MCA	A	22.00		28.00	
			MFA	A	27.50		35.00	
		Maximum allowable IDU ⁵ connections (Hydro A2Wunit not included)	Max. number of IDU ⁵	EA	4		5	
			Total capacity Min. (Cooling)	kW	4.50		6.00	
		Leaving Water Temperature ³	Total capacity Min. (Cooling)	kW	9.00		12.10	
			Heating	°C	15-55		15-55	
		Functions	Cooling	°C	5-25		5-25	
	Smart Grid Ready / PV Enabled		-	●		●		
	3-Step Quiet Mode		-	●		●		
	Tank Integrated Hydro Unit	2-zone Control		-	●		●	
Power Supply		Φ, #, V, Hz	1Φ, 2, 220-240 V, 50 Hz		1Φ, 2, 220-240 V, 50 Hz			
Water Tank Volume		litres	260		260			
Declared Load Profile		L/XL	XL		XL			
Average water heating efficiency η _{wh}		ETA%	105		95			
Average Energy Efficiency Class		-	A		A			
Heater		Back-up heater Capacity	Default (Option)	kW	2 (4/6)		2 (4/6)	
Sound		Sound Pressure ⁴	Heating Std	dB(A)	29		29	
			Cooling Std	dB(A)	29		29	
		Sound Power	Heating Std	dB(A)	43		47	
Piping		Water pipe (Space Heating)	Inlet/Outlet	Φ, inch	1+1/4"		1+1/4"	
Dimensions		Net Weight		kg	147		147	
	Net Dimensions (WxHxD)		mm	595 x 1,800 x 700		595 x 1,800 x 700		
Outdoor Unit	Power Supply		Φ, V, Hz	1Φ, 2, 220-240 V, 50 Hz		1Φ, 2, 220-240 V, 50 Hz		
	Compressor	Type	-	Rotary Comp		Rotary Comp		
	Base Heater	Capacity	kW	-		-		
	Sound	Sound Pressure ⁴	Heating Std	dB(A)	51		52	
			Cooling Std	dB(A)	50		51	
		Sound Power	Heating Std	dB(A)	69		70	
	Dimensions	Net Weight	kg	74.0		107.0		
		Net Dimensions (WxHxD)	mm	940 x 998 x 330		940 x 1,420 x 330		
	Refrigerant	Type	Type	R410A (Fluorinated greenhouse gas, GWP=2,088)				
		Factory Charging	tCO ₂ e	5.01		7.31		
			kg	2.4		3.5		
	Piping	Piping Connections	Liquid Pipe	Φ, mm (inch)	9.52 (3/8")		9.52 (3/8")	
			Gas Pipe	Φ, mm (inch)	15.88 (5/8")		15.88 (5/8")	
		Piping length (ODU-IDU) ⁵	Max.[Equiv.]	m	30		70	
		Level difference (IDU-IDU) ⁵	Max.	m	20		30	
		Chargeless length		m	10		10	
		Operation	Ambient Temperature A2W	Heating	°C	-25-35		-25-35
	Cooling			°C	10-46		10-46	
	DHW			°C	-25-43		-25-43	
	Ambient Temperature A2A		Heating	°C	-25-24		-25-24	
			Cooling	°C	10-46		10-46	

Accessories



Touch Controller	Touch Controller	DMS2.5	Wi-Fi Kit	External Room Sensor	Backup Heater (4/6kW)
MWR-WW10N	MCM-A300N	MIM-D01AN	MIM-H04EN	MRW-TA	MHC-*00FE



AE260TNWTEH/EU AE160MXTPEH/EU MWR-WW10N	AE260TNWTEH/EU AE090MXTPGH/EU MWR-WW10N	AE260TNWTEH/EU AE120MXTPGH/EU MWR-WW10N	AE260TNWTEH/EU AE160MXTPGH/EU MWR-WW10N
16.0/14.6	9.0/ 7.7	12.0/10.7	16.0/14.6
14.5	8.0	12.0	14.5
3.95/ 5.32	2.12/ 2.82	2.72/ 3.91	3.95/ 5.32
3.84	1.86	2.90	3.84
4.05/2.74	4.25/2.69	4.41/ 2.74	4.05/2.74
3.78	4.30	4.14	3.78
4.63/3.06	4.44/2.86	4.65/2.92	4.63/ 3.06
182/119	175/111	183/114	182/119
A+++ / A+	A+++ / A+	A+++ / A+	A+++ / A+
32.00	10.00	10.00	12.00
40.00	16.10	16.10	16.10
7	4	5	7
7.70	4.50	6.00	7.70
15.40	9.00	12.10	15.40
15-55	15-55	15-55	15-55
5-25	5-25	5-25	5-25
•	•	•	•
•	•	•	•
•	•	•	•
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
260	260	260	260
XL	XL	XL	XL
95	105	95	95
A	A	A	A
2 (4/6)	2 (4/6)	2 (4/6)	2 (4/6)
29	29	29	29
29	29	29	29
47	43	47	47
1+1/4"	1+1/4"	1+1/4"	1+1/4"
147	147	147	147
595 x 1,800 x 700	595 x 1,800 x 700	595 x 1,800 x 700	595 x 1,800 x 700
1Φ, 2, 220-240 V, 50 Hz	3Φ, 4, 380-415 V, 50 Hz	3Φ, 4, 380-415 V, 50 Hz	3Φ, 4, 380-415 V, 50 Hz
Rotary Comp	Rotary Comp	Rotary Comp	Rotary Comp
-	-	-	-
55	51	52	55
54	50	51	54
73	69	70	73
107.0	76.0	107.0	107.0
940 x 1,420 x 330	940 x 998 x 330	940 x 1,420 x 330	940 x 1,420 x 330
R410A (Fluorinated greenhouse gas, GWP=2,088)			
7.31	5.01	7.31	7.31
3.5	2.4	3.5	3.5
9.52 (3/8")	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")
15.88 (5/8")	15.88 (5/8")	15.88 (5/8")	15.88 (5/8")
70	30	70	70
30	20	30	30
10	10	10	10
-25-35	-25-35	-25-35	-25-35
10-46	10-46	10-46	10-46
-25-43	-25-43	-25-43	-25-43
-25-24	-25-24	-25-24	-25-24
10-46	10-46	10-46	10-46



*35dB(A) is only applicable for 6kW and 9kW outdoor units down to +4°C stated in 3 m distance in an anechoic environment.

**A+++ energy label is available according to EU No. 811/2013 label classification 2019, on a scale from D to A+++

¹A2W Condition : (Heating) Water In/Out 30°C/35°C, Outdoor Air 7°C[DB]/6°C[WB]; (Cooling) Water In/Out 23°C/18°C, Outdoor Air 35°C[DB].

²A2W Condition : (Heating) Water In/Out 47°C/55°C, Outdoor Air 7°C[DB]/6°C[WB].

³65°C down to +10°C (max. 60°C down to -5°C)

⁴Sound pressure level is obtained in an anechoic room. Sound pressure level is a relative value, depending on the distance and acoustic environment. Sound pressure level may differ depending on operation conditions.

⁵ODU : Outdoor Unit, IDU : Indoor Unit

Specifications

TDM Plus with Third party tank connection (R410A)

- 'All in one' air-to-water and air-to-air system
- Connectable with R410A Split ODU in combination of third party Tank
- Compatible with room thermostats, solar pumps, 2- or 3-way valves and back-up boilers



	Indoor Unit				AE090MNYDEH/EU	AE090MNYDEH/EU	AE090MNYDEH/EU	AE090MNYDGH/EU
	Outdoor Unit				AE044MXTPEH/EU	AE066MXTPEH/EU	AE090MXTPEH/EU	AE090MXTPGH/EU
System	Operation	Nominal Capacity	Heating A7/W35¹ / A7/W55²	kW	4.4/ 3.8	6.6/ 4.8	9.0/ 7.7	9.0/ 7.7
			Cooling A35/W18¹	kW	5.1	6.7	8.0	8.0
		Power Input (Nominal)	Heating A7/W35¹ / A7/W55²	kW	0.93/ 1.37	1.47/ 1.85	2.12/ 2.82	2.12/ 2.82
			Cooling A35/W18¹	kW	1.03	1.48	1.85	1.86
		COP (Nominal Heating) A7/W35¹		W/W	4.73/2.80	4.49/2.59	4.25/2.72	4.25/2.69
		EER (Nominal Cooling) A35/W18¹		W/W	4.95	4.53	4.32	4.30
		SCOP LWT 35°C/ 55°C		W/W	4.41/ 2.83	4.41/2.96	4.42/ 3.01	4.44/ 2.86
		Seasonal space heating enr. efficiency ηs LWT 35°C/ 55°C		ETA%	173/ 110	173/ 115	174/ 117	175/ 111
		Seasonal Space Heating Eff. Class LWT 35°C/ 55°C			A++ / A+	A++ / A+	A++ / A+	A+++ / A+
		Current	MCA	A	18	20	22	10
			MFA	A	25.0	25.0	27.5	16.1
		Maximum Allowable IDU⁶ Connections (Hydro A2W Unit Not Included)	Max. Number of IDU⁶	EA	2	3	4	4
			Total Capacity Min. (Cooling)	kW	2.2	3.3	4.5	4.5
			Total Capacity Min. (Cooling)	kW	4.4	6.6	9.0	9.0
	Leaving Water Temperature³		Heating	°C	15-55 (H/P : 25-55)	15-55 (H/P : 25-55)	15-55 (H/P : 25-55)	15-55 (H/P : 25-55)
		Cooling	°C	5-25	5-25	5-25	5-25	
	Functions	Smart Grid Ready/ PV Enabled		-	-	-	-	
		3-Step Quiet Mode		-	●	●	●	
		2-zone Control⁴		-	●	●	●	
Wall-Mounted Hydro Unit	Power Supply		Φ, #, V, Hz	1Φ, 2, 220-240 V, 50 Hz	1Φ, 2, 220-240 V, 50 Hz	1Φ, 2, 220-240 V, 50 Hz	3Φ, 4, 380-415 V, 50 Hz	
	Expansion Vessel		litres	8	8	8	8	
	Heater	Back-up heater Capacity		kW	4	4	4	6
		Sound Pressure⁵	Std	dB(A)	31	31	31	31
	Sound	Sound Power	Std	dB(A)	48	48	48	48
		Piping	Water pipe	Inlet/Outlet	Φ, inch	1+1/4"	1+1/4"	1+1/4"
	Dimensions	Net Weight		kg	45.5	45.5	45.5	46.5
Net Dimensions (WxHxD)		mm	510 x 850 x 315	510 x 850 x 315	510 x 850 x 315	510 x 850 x 315		
Outdoor Unit	Power Supply		Φ, V, Hz	1Φ, 2, 220-240 V, 50 Hz	1Φ, 2, 220-240 V, 50 Hz	1Φ, 2, 220-240 V, 50 Hz	3Φ, 4, 380-415 V, 50 Hz	
	Compressor	Type	-	Rotary Comp	Rotary Comp	Rotary Comp	Rotary Comp	
		Base Heater	Capacity	kW	-	-	-	-
	Sound	Sound Pressure⁵	Heating Std	dB(A)	47	48	51	51
			Cooling Std	dB(A)	46	47	50	50
		Sound Power	Heating Std	dB(A)	65	67	69	69
	Dimensions	Net Weight		kg	61	61	74	76
		Net Dimensions (WxHxD)		mm	880 x 793 x 310	880 x 793 x 310	940 x 998 x 330	940 x 998 x 330
	Refrigerant	Type		-	R410A (Fluorinated greenhouse gas, GWP=2,088)			
		Factory Charging		tCO₂e	5.43	5.43	5.01	5.01
				kg	2.6	2.6	2.4	2.4
	Piping	Piping Connections	Liquid Pipe	Φ, mm (inch)	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")
			Gas Pipe	Φ, mm (inch)	15.88 (5/8")	15.88 (5/8")	15.88 (5/8")	15.88 (5/8")
		Piping Length (ODU-IDU)⁵		Max.[Equiv.]	m	30	30	30
		Level Difference (IDU-IDU)⁵		Max.	m	20	20	20
Chargeless Length		m	10	10	10	10		
Operation		Ambient Temperature A2W	Heating	°C	-25-35	-25-35	-25-35	-25-35
	Cooling		°C	10-46	10-46	10-46	10-46	
	DHW		°C	-25-43	-25-43	-25-43	-25-43	
	Ambient Temperature A2A	Heating	°C	-25-24	-25-24	-25-24	-25-24	
		Cooling	°C	10-46	10-46	10-46	10-46	

Accessories



EHS Controller (included)

Touch Controller

DMS2.5

Wi-Fi Kit

External Room Sensor

MWR-WW00N

MCM-A300N

MIM-D01AN

MIM-H04EN

MRW-TA



AE160MNYDEH/EU
AE120MXTPEH/EU

AE160MNYDGH/EU
AE120MXTPGH/EU

AE160MNYDEH/EU
AE160MXTPEH/EU

AE160MNYDGH/EU
AE160MXTPGH/EU

12.0/10.7	12.0/10.7	16.0/14.6	16.0/14.6
12.0	12.0	14.5	14.5
2.72/ 3.91	2.72/ 3.91	3.95/ 5.32	3.95/ 5.32
2.90	2.90	3.84	3.84
4.41/2.74	4.41/2.74	4.05/2.74	4.05/2.74
4.14	4.14	3.78	3.78
4.65/ 2.92	4.65/ 2.92	4.63/ 3.06	4.63/ 3.06
183/114	183/114	182/119	182/119
A+++ / A+	A+++ / A+	A+++ / A+	A+++ / A+
28	10	32	12
35.0	16.1	40.0	16.1
5	5	7	7
6.0	6.0	7.7	7.7
12.1	12.1	15.4	15.4
15-55 (H/P : 25-55)	15-55 (H/P : 25-55)	15-55 (H/P : 25-55)	15-55 (H/P : 25-55)
5-25	5-25	5-25	5-25
-	-	-	-
•	•	•	•
•	•	•	•
1Φ, 2, 220-240 V, 50 Hz	3Φ, 4, 380-415 V, 50 Hz	1Φ, 2, 220-240 V, 50 Hz	3Φ, 4, 380-415 V, 50 Hz
8	8	8	8
6	6	6	6
38	38	38	38
55	55	55	55
1+1/4"	1+1/4"	1+1/4"	1+1/4"
46.5	46.5	46.5	46.5
510 x 850 x 315	510 x 850 x 315	510 x 850 x 315	510 x 850 x 315
1Φ, 2, 220-240 V, 50 Hz	3Φ, 4, 380-415 V, 50 Hz	1Φ, 2, 220-240 V, 50 Hz	3Φ, 4, 380-415 V, 50 Hz
Rotary Comp	Rotary Comp	Rotary Comp	Rotary Comp
-	-	-	-
52	52	55	55
51	51	54	54
70	70	73	73
107	107	107	107
940 x 1,420 x 330	940 x 1,420 x 330	940 x 1,420 x 330	940 x 1,420 x 330
R410A (Fluorinated greenhouse gas, GWP=2,088)			
7.31	7.31	7.31	7.31
3.5	3.5	3.5	3.5
9.52 (3/8")	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")
15.88 (5/8")	15.88 (5/8")	15.88 (5/8")	15.88 (5/8")
70	70	70	70
30	30	30	30
10	10	10	10
-25-35	-25-35	-25-35	-25-35
10-46	10-46	10-46	10-46
-25-43	-25-43	-25-43	-25-43
-25-24	-25-24	-25-24	-25-24
10-46	10-46	10-46	10-46



*35dB(A) is only applicable for 6kW and 9kW outdoor units down to +4°C stated in 3 m distance in an anechoic environment.

**A+++ energy label is available according to EU No. 811/2013 label classification 2019, on a scale from D to A+++

¹A2W Condition : (Heating) Water In/Out 30°C/35°C, Outdoor Air 7°C[DB]/6°C[WB]; (Cooling) Water In/Out 23°C/18°C, Outdoor Air 35°C[DB].

²A2W Condition : (Heating) Water In/Out 47°C/55°C, Outdoor Air 7°C[DB]/6°C[WB].

³65°C down to +10°C (max. 60°C down to -5°C)

⁴Not provided by Samsung.

⁵Sound pressure level is obtained in an anechoic room. Sound pressure level is a relative value, depending on the distance and acoustic environment. Sound pressure level may differ depending on operation conditions.

⁶ODU : Outdoor Unit, IDU : Indoor Unit

Specifications

TDM Plus WindFree™ Deluxe

- Three-step cooling: Fast Cooling mode
- WindFree™ Cooling Mode
- Wi-Fi Control with SmartThings and Bixby voice controls
- Equipped with NASA communication protocol
- Equipped with Easy Filter Plus



Type Model Name			TDM Plus WindFree™ Deluxe AE022TNXDEH/EU	TDM Plus WindFree™ Deluxe AE028TNXDEH/EU	TDM Plus WindFree™ Deluxe AE036TNXDEH/EU
Power Supply		Φ, #, V, Hz	1Φ, 2, 220~240 V, 50 Hz	1Φ, 2, 220~240 V, 50 Hz	1Φ, 2, 220~240 V, 50 Hz
Capacity	Cooling	kW	2.20	2.80	3.60
	Heating	kW	2.50	3.20	4.00
Power Input (Nominal)	Cooling	W	24.0	30.0	37.0
	Heating	W	24.0	30.0	37.0
Current Input (Nominal)	Cooling	A	0.16	0.20	0.25
	Heating	A	0.16	0.20	0.25
Fan	Type	-	Cross flow Fan	Cross flow Fan	Cross flow Fan
	Quantity	EA	1	1	1
	Air Flow Rate H/M/L	m³/min	5.7/5.0/4.5	8.5/7.7/6.9	10.3/9.1/8.3
		l/s	95.0/83.3/75.0	141.7/128.3/115.0	171.7/151.7/138.3
Fan motor	Type	-	BLDC	BLDC	BLDC
	Output xn	W	27x1	27x1	27x1
Piping Connections	Liquid Pipe	Φ, mm(inch)	6.35 (1/4")	6.35 (1/4")	6.35 (1/4")
	Gas Pipe	Φ, mm(inch)	12.7 (1/2")	12.7 (1/2")	12.7 (1/2")
Wiring connections	For power supply below 20m/over 20m (min)	mm²	1.5/2.5	1.5/2.5	1.5/2.5
	Communication (min)	mm²	0.75	0.75	0.75
Refrigerant	Type	-	R410A (Fluorinated greenhouse gas, GWP=2,088)		
	Control Method ¹	-	EEV NOT INCLUDED	EEV NOT INCLUDED	EEV NOT INCLUDED
Sound	Sound Pressure H/M/L/WF ²	dB(A)	34/32/30/27	34/33/32/26	40/36/34/26
	Sound Power	dB(A)	51	52	56
Dimensions	Net Weight	kg	8.50	9.00	9.00
	Net Dimensions (WxHxD)	mm	820 x 299 x 215	820 x 299 x 215	820 x 299 x 215
Functions					
Air Flow	WindFree™ Cooling		•	•	•
	Air Direction Control (Up/Down)		Auto	Auto	Auto
	Air Direction Control (Left/Right)		Auto	Auto	Auto
Air Purification	Auto Fan speed		•	•	•
	Tri-Care Filter		-	-	-
	Easy Filter Plus		•	•	•
	Auto Clean (Self Cleaning)		•	•	•
Operating Mode	2 Step Cooling		•	•	•
	AI Auto Comfort with Wi-Fi & MDS (direct/indirect)		-	-	-
	AI Auto Comfort with Wi-Fi		-	-	-
	Auto Mode (without Wi-Fi)		-	-	-
	Fast Cooling		•	•	•
	Good Sleep		•	•	•
	Eco		•	•	•
	Dehumidification		•	•	•
	Fan		•	•	•
	Quiet		•	•	•
	Other Functions		•	•	•
Other Functions	Samsung SmartThings		•	•	•
	MDS (Motion Detect Sensor)		-	-	-
	Indoor Temp. Display		•	•	•
	Display On/Off	88 Display	•	•	•
	Beep On/Off		•	•	•
	Auto Changeover		•	•	•
	Auto Restart		•	•	•

Specifications

TDM Plus Slim Duct

- Slim design with thickness of just 199 mm
- Antibacterial filter included



Type Model Name				Slim Duct AE022MNLDEH/EU	Slim Duct AE028MNLDEH/EU	Slim Duct AE036MNLDEH/EU	Slim Duct AE056MNLDEH/EU
Power Supply			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
Performance	Capacity	Cooling / Heating	kW	2.2/2.5	2.8/3.2	3.6/4.0	5.6/6.3
Power	Power Input	Cooling / Heating	W	55/55	60/60	65/65	95/95
	Current Input	Cooling / Heating	A	0.30/0.30	0.32/0.32	0.33/0.33	0.53/0.53
Fan	Type	-	-	Sirocco Fan	Sirocco Fan	Sirocco Fan	Sirocco Fan
	Quantity	-	EA	2	2	2	2
	Air Flow Rate	H/M/L (UL)	m³/min	7.0 / 6.1 / 5.3	7.5 / 6.6 / 5.6	7.5 / 6.6 / 5.6	12.0 / 10.5 / 9.0
	External Pressure	Max. (Min/Std/Max)	mmAq	0/1/3	0/1/3	0/1/3	0/2/4
			Pa	0/9.8/29.4	0/9.8/29.4	0/9.8/29.4	0/19.6/39.2
Fan Motor	Type	-	-	SSR non-feedback	SSR non-feedback	SSR non-feedback	SSR non-feedback
	Output x n	-	W	28x1	28x1	28x1	28x1
Piping Connections	Liquid Pipe	-	Φ, mm (inch)	6.35 (1/4")	6.35 (1/4")	6.35 (1/4")	6.35 (1/4")
	Gas Pipe	-	Φ, mm (inch)	12.7 (1/2")	12.7 (1/2")	12.7 (1/2")	12.7 (1/2")
Refrigerant	Type	-	-	R410A (Fluorinated greenhouse gas, GWP=2,088)			
Sound	Sound Pressure	H/M/L	dB(A)	26 / 24 / 21	28 / 26 / 23	32 / 30 / 27	36 / 34 / 31
	Sound Power	-	dB(A)	49	49	51	55
Dimensions	Net Weight	-	kg	19	19	19,5	24,5
	Net Dimensions (W×H×D)	-	mm	700 x 199 x 600	700 x 199 x 600	700 x 199 x 600	900x199x600
Optional Accessories	Drain Pump	Model	-	MDP-E075SEE3D (Built-in)	MDP-E075SEE3D (Built-in)	MDP-E075SEE3D (Built-in)	MDP-E075SEE3D (Built-in)
		Max. Lifting Height/ Displace-ment	mm / Litre/h	750 / 24	750 / 24	750 / 24	750 / 24

Accessories



Drain Pump (Built-in)	Remote Control	Touch Controller	Wired Remote Control	Wireless Receiver Kit	Touch Controller	DMS2.5	Wi-Fi Kit	External Room Sensor	Y-joint
MDP-E075SEE3D	AR-EH00	MWR-SH11N	MWR-WE13N	MRK-A10N	MCM-A300N	MIM-D01AN	MIM-H04EN	MRW-TA	MXJ-YA1509M

Specifications

TDM Plus MSP Duct

- External static pressure range from 0 to 1.4 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 device (optional)



Type Model Name				MSP Duct AE071MNMPEH/EU	MSP Duct AE090MNMPEH/EU
Power Supply			Φ, #, V, Hz	1Φ, 2, 220~240 V, 50 Hz	1Φ, 2, 220~240 V, 50 Hz
Performance	Capacity	Cooling / Heating	kW	71/8.0	9.0/10.0
Power	Power Input	Cooling / Heating	W	120/120	145/145
	Current Input	Cooling / Heating	A	1.0/1.0	1.2/1.2
Fan	Type	-	-	Sirocco Fan	Sirocco Fan
	Quantity	-	EA	2	2
	Air Flow Rate	H/M/L (UL)	m³/min	22 / 19 / 16	29 / 25 / 22
	External Pressure	Max. (Min/Std/Max)	mmAq Pa	0 / 3 / 15 0 / 29.4 / 147.2	0 / 4 / 15 0 / 29.4 / 147.2
Fan Motor	Type	-	-	BLDC Feedback	BLDC Feedback
	Output x n	-	W	153x1	153x1
Piping Connections	Liquid Pipe	-	Φ, mm (inch)	9.52 (3/8")	9.52 (3/8")
	Gas Pipe	-	Φ, mm (inch)	15.88 (5/8")	15.88 (5/8")
Refrigerant	Type	-	-	R410A (Fluorinated greenhouse gas, GWP=2,088)	
Sound	Sound Pressure	H/M/L	dB(A)	37 / 33 / 29	38 / 35 / 32
	Sound Power	-	dB(A)	57	58
Dimensions	Net Weight	-	kg	25,5	33
	Net Dimensions (W×H×D)	-	mm	850x250x700	1,200x250x700
Optional Accessories	Drain Pump	Model	-	MDP-G075SQ (Built-in)	MDP-G075SQ (Built-in)
		-	-	MDP-G075SP (External)	MDP-G075SP (External)
	-	Max. lifting Height/ Displacement	mm / Litre/h	750 / 24	750 / 24

Accessories



Drain Pump (Built-in)	External Drain Pump	Remote Control	Touch Controller	Wired Remote Control	Touch Controller	DMS2.5	Wi-Fi Kit	External Room Sensor	Wireless Receiver Kit	Y-joint
MDP-G075SQ	MDP-G075SP	AR-EH00	MWR-SH11N	MWR-WE13N	MCM-A300N	MIM-D01AN	MIM-H04EN	MRW-TA	MRK-A10N	MXJ-YA1509M

Specifications

TDM Plus Console

- SPi Ioniser device (included)
- Slim design with 199mm in depth
- Built-in electronic expansion valve (EEV) for refrigerant flow control (2,000 step)
- Long-life washable permanent filter
- Auto Restart function
- Two separate air outlets, upper (cooling) and bottom (heating) to avoid stratifications



Type Model Name				Console AE022MNJDEH/EU	Console AE028MNJDEH/ EU	Console AE036MNJDEH/ EU	Console AE056MNJDEH/ EU
Power Supply			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
Performance	Capacity	Cooling / Heating	kW	2.2/2.5	2.8/3.2	3.6/4.0	5.6/6.3
Power	Power Input	Cooling / Heating	W	16/16	30/30	35/35	62/62
	Current Input	Cooling / Heating	A	0.13/0.13	0.25/0.25	0.29/0.29	0.49/0.49
Fan	Type	-		Turbo Fan	Turbo Fan	Turbo Fan	Turbo Fan
	Quantity	EA		1	1	1	1
	Air Flow Rate	H/M/L (UL)	m³/min	6.3 / 5.4 / 4.9	7.0 / 6.0 / 5.0	8.50 / 7.50 / 6.50	13.0 / 11.5 / 10.0
Piping Connections	Liquid Pipe	Φ, mm (inch)		6.35 (1/4")	6.35 (1/4")	6.35 (1/4")	6.35 (1/4")
	Gas Pipe	Φ, mm (inch)		12.7 (1/2")	12.7 (1/2")	12.7 (1/2")	12.7 (1/2")
Refrigerant	Type	-		R410A (Fluorinated greenhouse gas, GWP=2,088)			
Sound	Sound Pressure	H/M/L	dB(A)	34 / 32 / 30	38 / 36 / 34	39 / 37 / 34	43 / 40 / 37
	Sound Power		dB(A)	52	58	59	64
Dimensions	Net Weight	kg		15,5	16	16	16
	Net Dimensions (W×H×D)	mm		720 x 620 x 199	720 x 620 x 199	720 x 620 x 199	720 x 620 x 199

Accessories

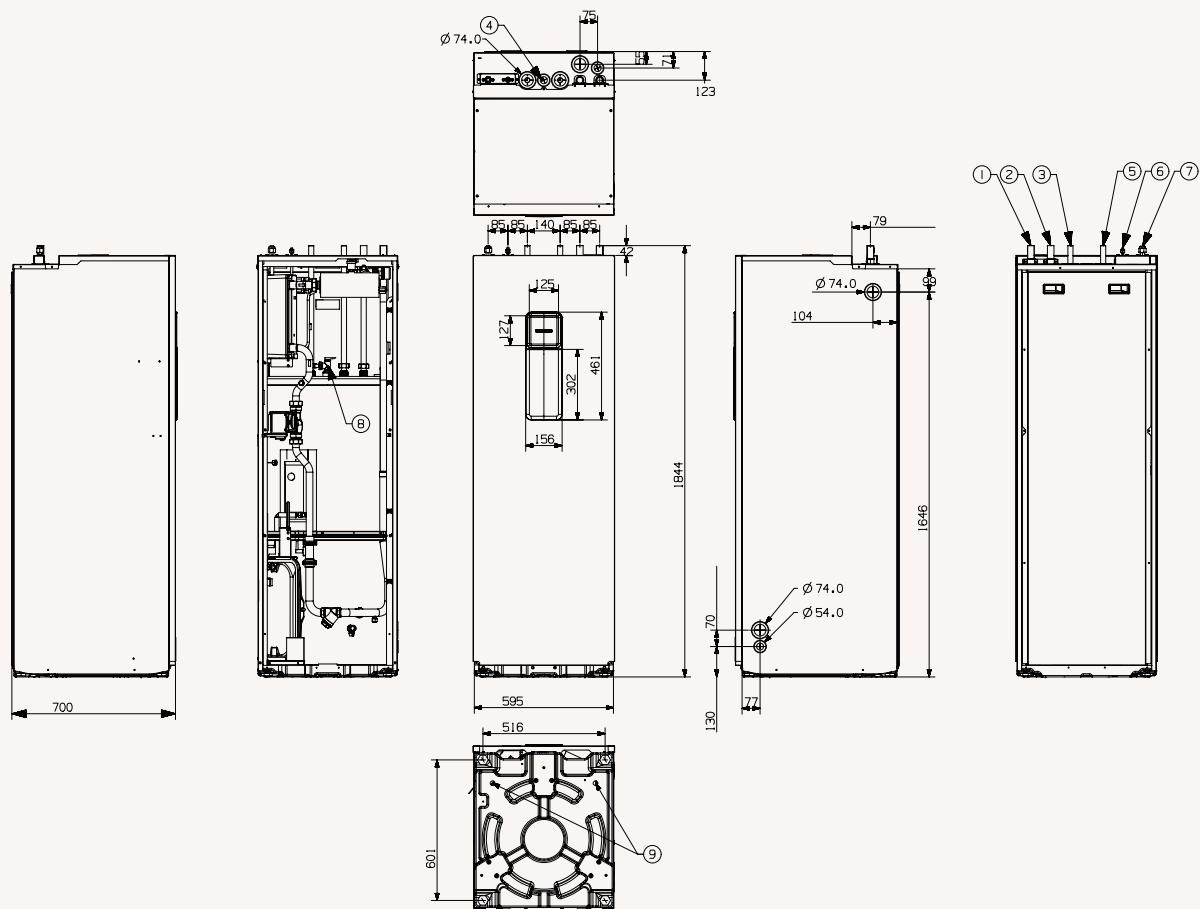


Touch Controller	Remote Control (Included)	Touch Controller	DMS2.5	Wi-Fi Kit	External Room Sensor	Wired Remote Control	Y-joint
MWR-SH11N	MR-EH00	MCM-A300N	MIM-D01AN	MIM-H04EN	MRW-TA	MWR-WE13N	MXJ-YA1509M

Dimensional Drawings

TDM Plus Tank Integrated Hydro Unit

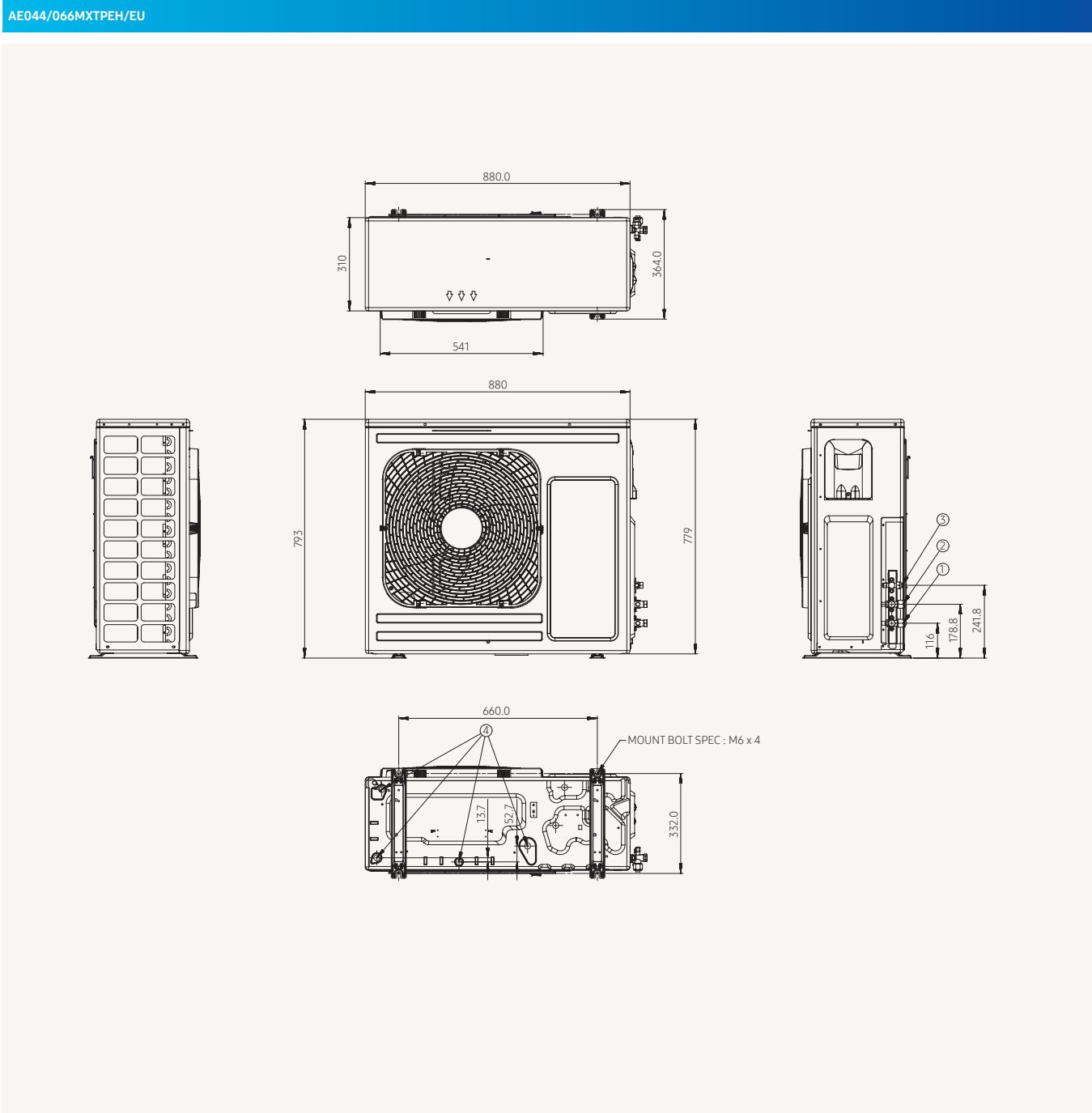
AE200TNWTEH/EU, AE260TNWTEH/EU



NO	Name	Description	
		AE200TNWTEH/EU	AE260TNWTEH/EU
1	Space heating Inlet	Ø28	Ø28
2	Space heating Outlet	Ø28	Ø28
3	DHW Inlet	Ø22	Ø22
4	Secondary water return	N/A	Ø22
5	DHW Outlet	Ø22	Ø22
6	Refrigerant liquid pipe	Ø9.52	Ø9.52
7	Refrigerant Gas pipe	Ø15.88	Ø15.88
8	T/Pv/v	Female PT1/2"	Female PT1/2"
9	Drain Holes	(Option) Connect with the provided drain plug	

Dimensional Drawings

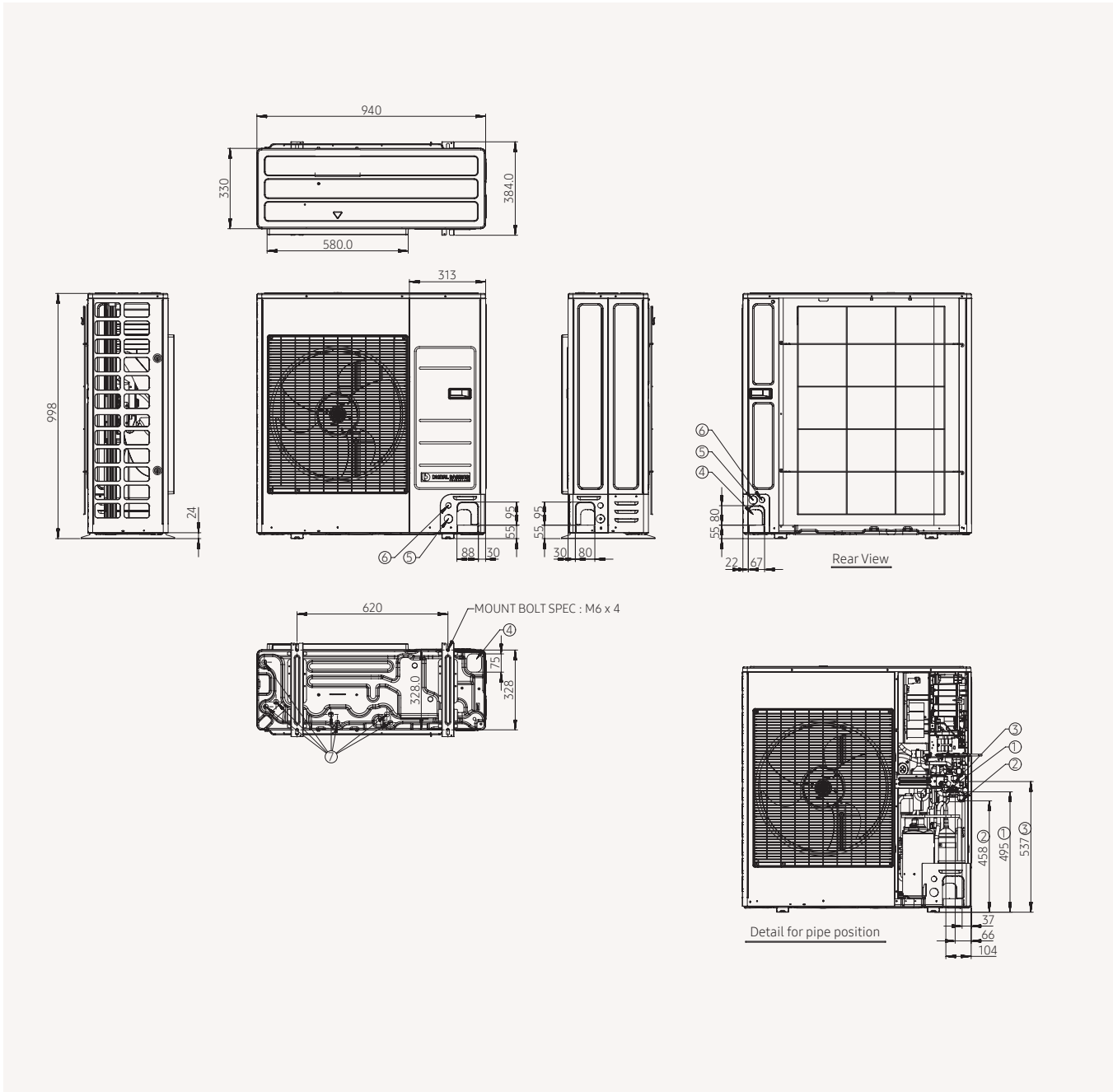
TDM Plus Outdoor



NO	Name	Description	
		4.4 kW	6.6 kW
1	Refrigerant gas pipe for air	Ø15.88("5/8)	
2	Refrigerant gas pipe for water	Ø15.88("5/8)	
3	Refrigerant liquid pipe	Ø9.52("3/8)	
4	Drain holes	Connect with the provided drain plug.	

TDM Plus Outdoor

AE090MXTP*H/EU

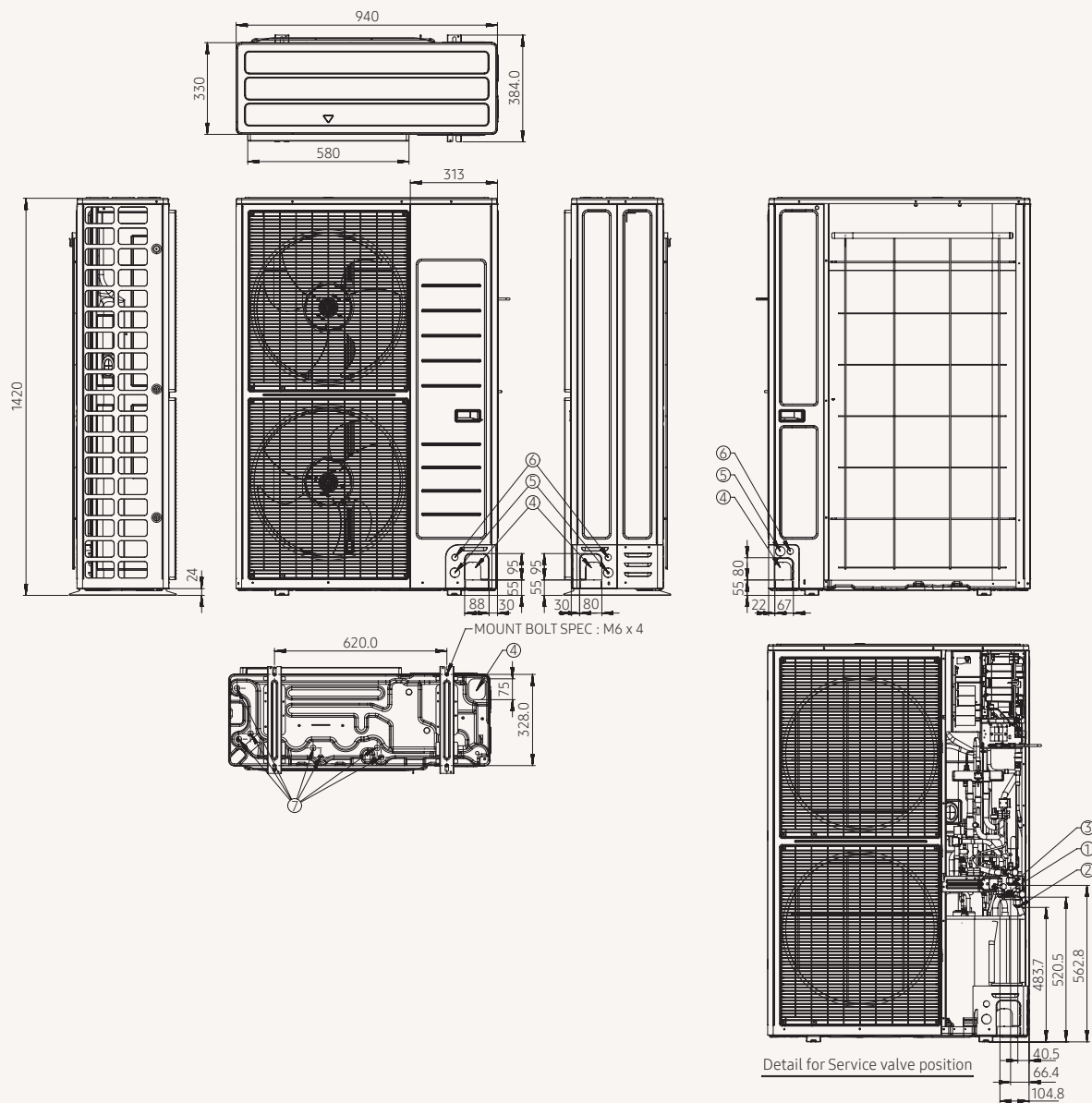


NO	Name	Description
		9 kW
1	Refrigerant liquid pipe	Φ9.52("3/8)
2	Refrigerant gas pipe for air	Φ15.88("5/8)
3	Refrigerant gas pipe for water	Φ15.88("5/8)
4	Knockout hole for pipe intake	Front / Side / Rear / Bottom
5	Power wiring conduits	Front / Side / Rear, Φ34("1-3/8)
6	Communication wiring conduits	Front / Side / Rear, Φ22("7/8)
7	Drain holes	Connect with the provided drain plug.

Dimensional Drawings

TDM Plus Outdoor

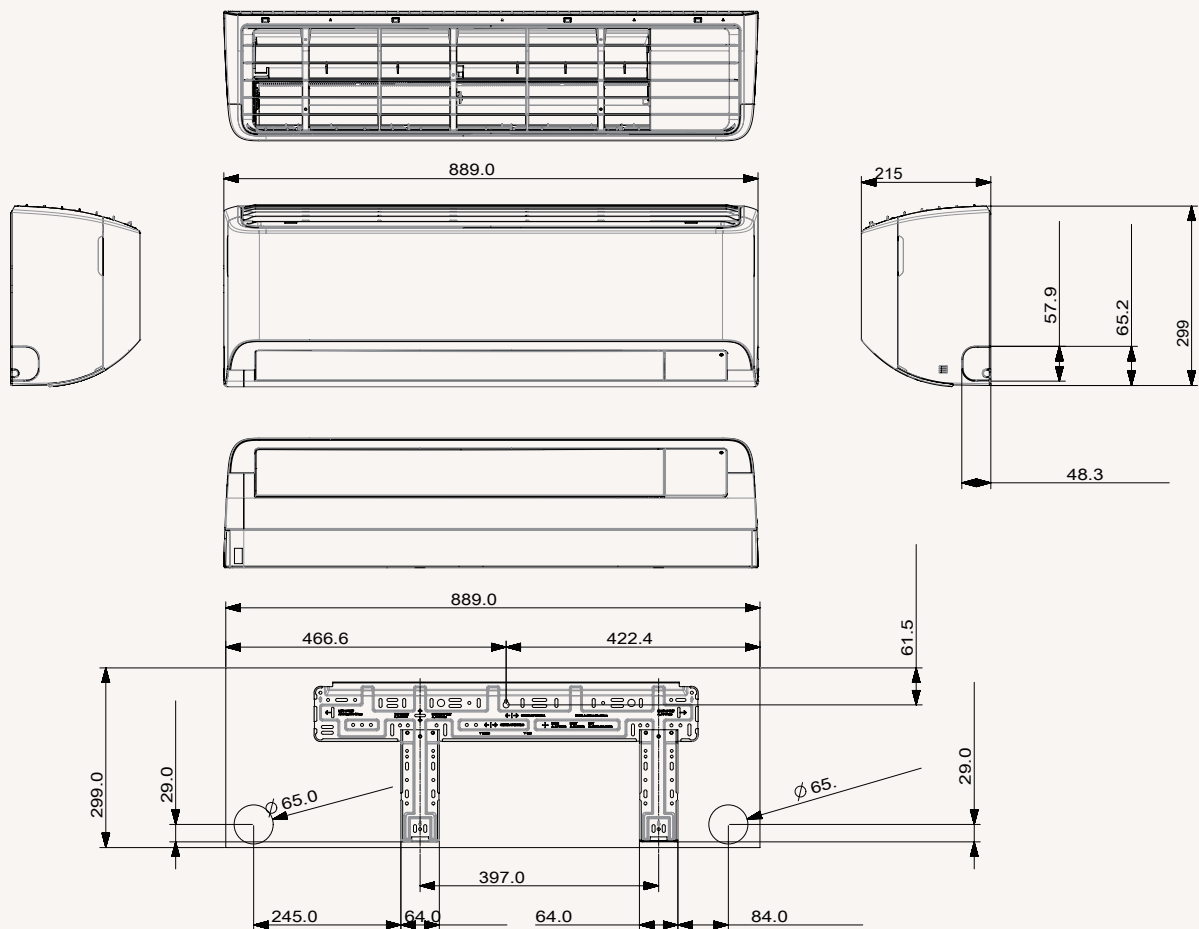
AE120/160MXT*H/EU



NO	Name	Description	
		12 kW	16 kW
1	Refrigerant liquid pipe	Φ9.52("3/8)	
2	Refrigerant gas pipe for air	Φ15.88("5/8)	Φ15.88("5/8)
3	Refrigerant gas pipe for water	Φ15.88("5/8)	Φ15.88("5/8)
4	Knockout hole for pipe intake	Front / Side / Rear / Bottom	Front / Side / Rear / Bottom
5	Power wiring conduits	Front / Side / Rear, Φ34("1-3/8)	Front / Side / Rear, Φ34("1-3/8)
6	Communication wiring conduits	Front / Side / Rear, Φ22("7/8)	Front / Side / Rear, Φ22("7/8)
7	Drain holes	Connect with the provided drain plug.	Connect with the provided drain plug.

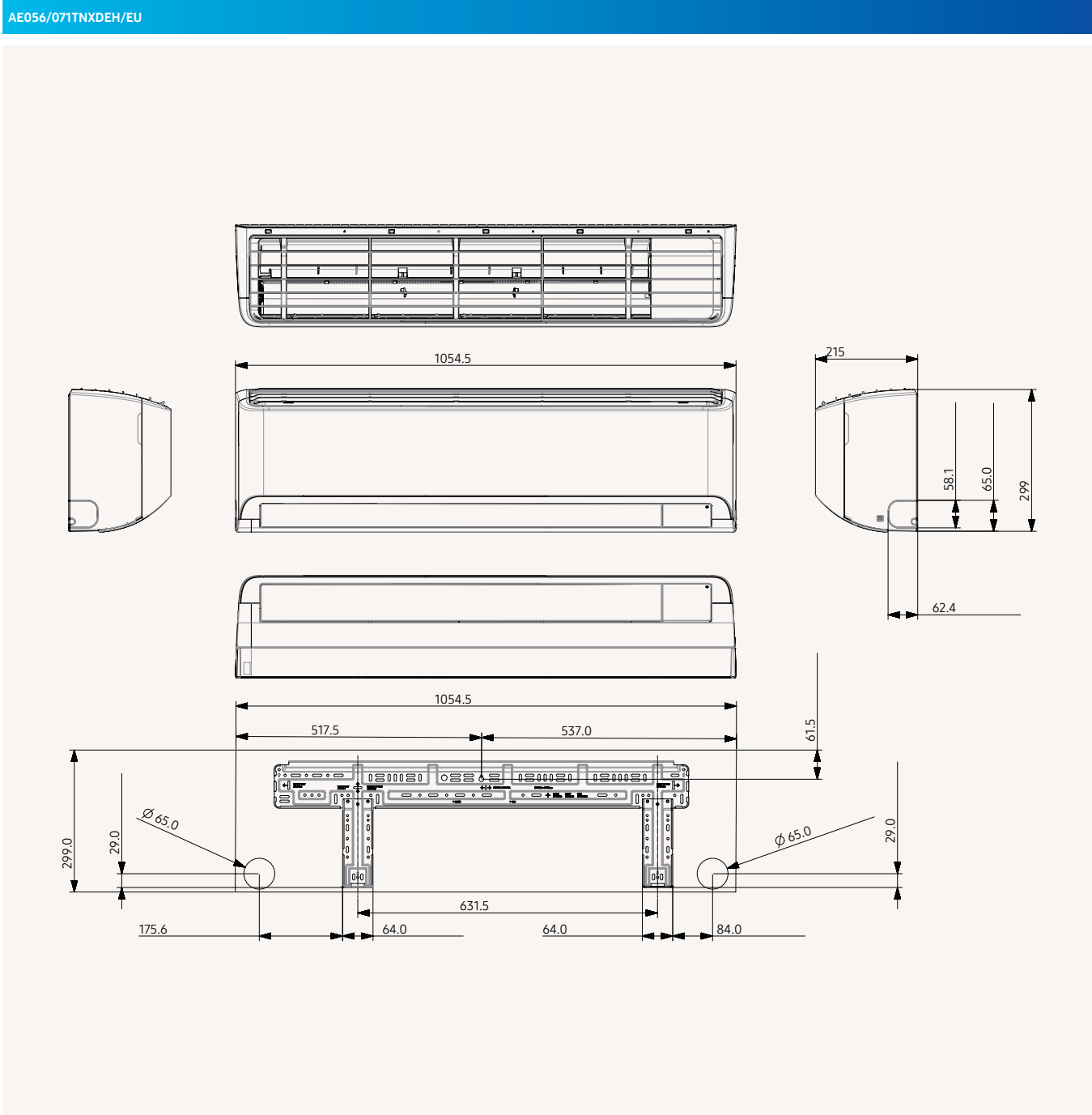
WindFree™ Deluxe

AE022/028/036TNXDEH/EU



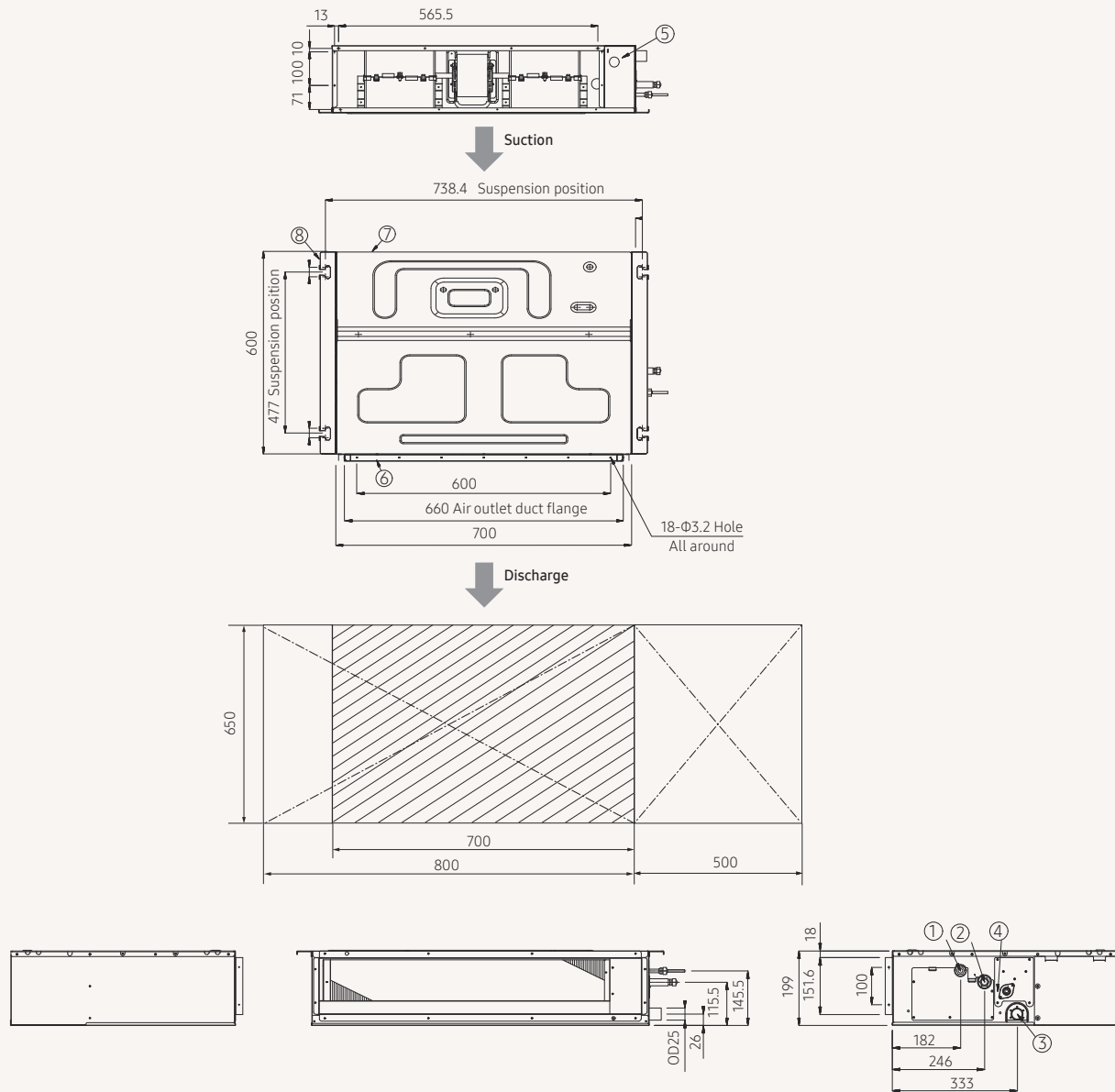
Dimensional Drawings

WindFree™ Deluxe



TDM Plus Slim Duct

AE022/028/036MNLDEH/EU

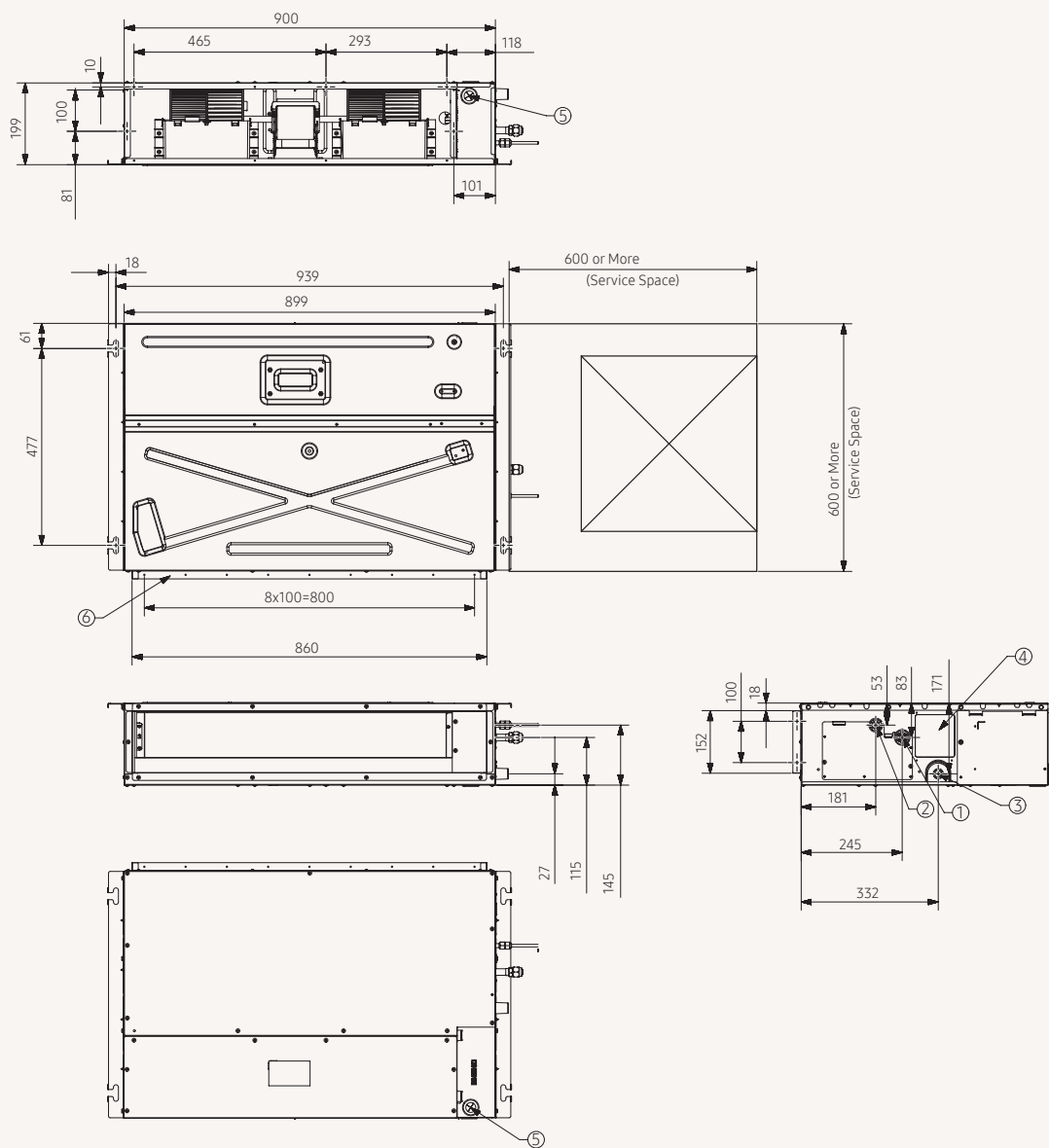


NO	Name	Description
1	Liquid pipe connection	Φ 6.35(1/4")
2	Gas pipe connection	Φ 12.70(1/2")
3	Drain pipe connection without drain pump	VP25(OD Φ 32, ID Φ 25)
4	Drain pipe connection with drain pump	VP25(OD Φ 32, ID Φ 25)
5	Power supply/Communication connection	-
6	Air discharge grille flange	-
7	Return air side	-
8	Hook	Φ 9.52 or M10

Dimensional Drawings

TDM Plus MSP Duct

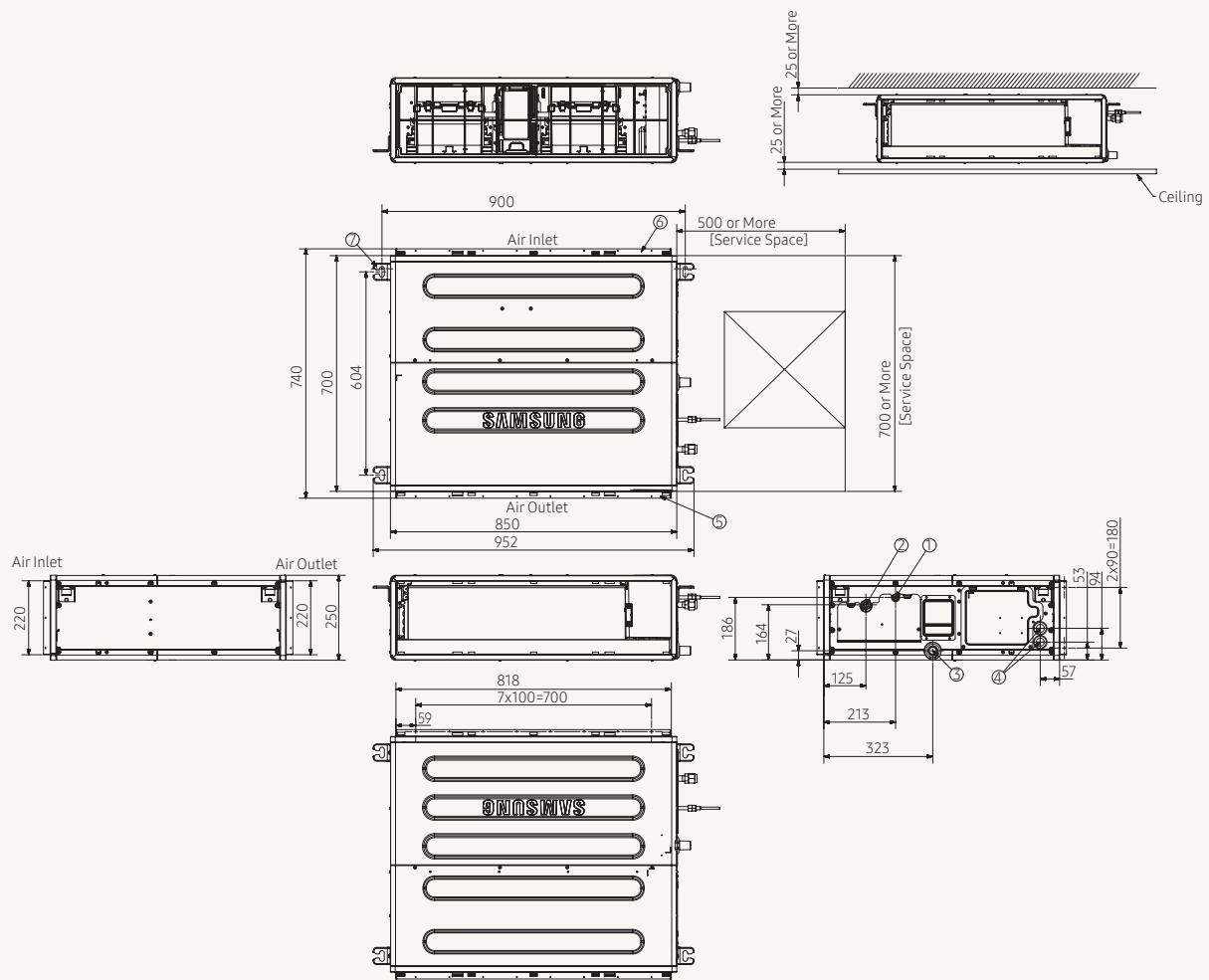
AE056MNLDEH/EU



NO	Name	Description
1	Gas pipe connection	Φ12.7(1/2)
2	Liquid pipe connection	Φ6.35(1/4)
3	Drain pipe connection	VP-25(OD 32, ID 25)
4	Knockout hole for Drain pump	Option kit
5	Power supply & Communication wiring conduit	-
6	Air outlet duct flange	-

TDM Plus MSP Duct

AE071MNMPEH/EU

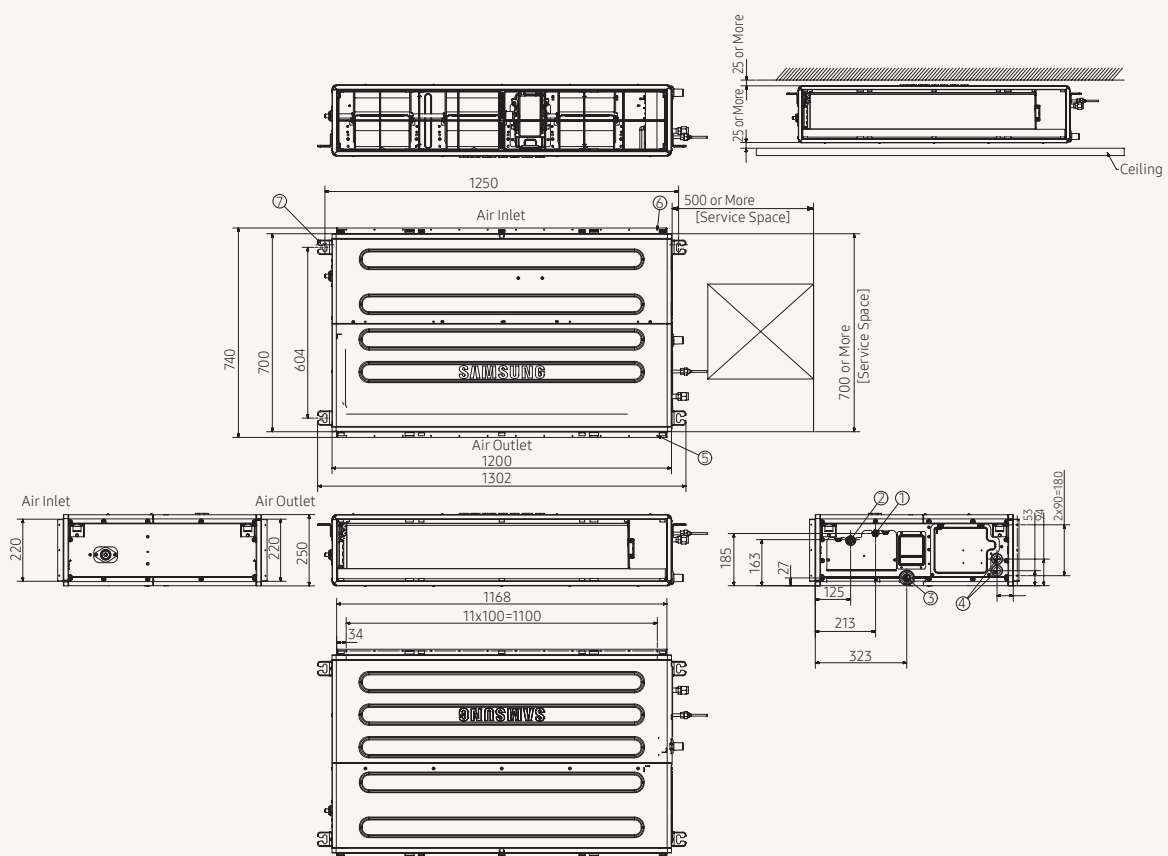


NO	Name	Description
1	Liquid pipe connection	Φ9.52(3/8)
2	Gas pipe connection	Φ15.88(5/8)
3	Drain pipe connection	VP-25(OD 32, ID 25)
4	Power supply & Communication wiring conduit	-
5	Air suction flange	-
6	Air discharge flange	-
7	Hook	Use M8-M10 bolt(4ea)

Dimensional Drawings

TDM Plus MSP Duct

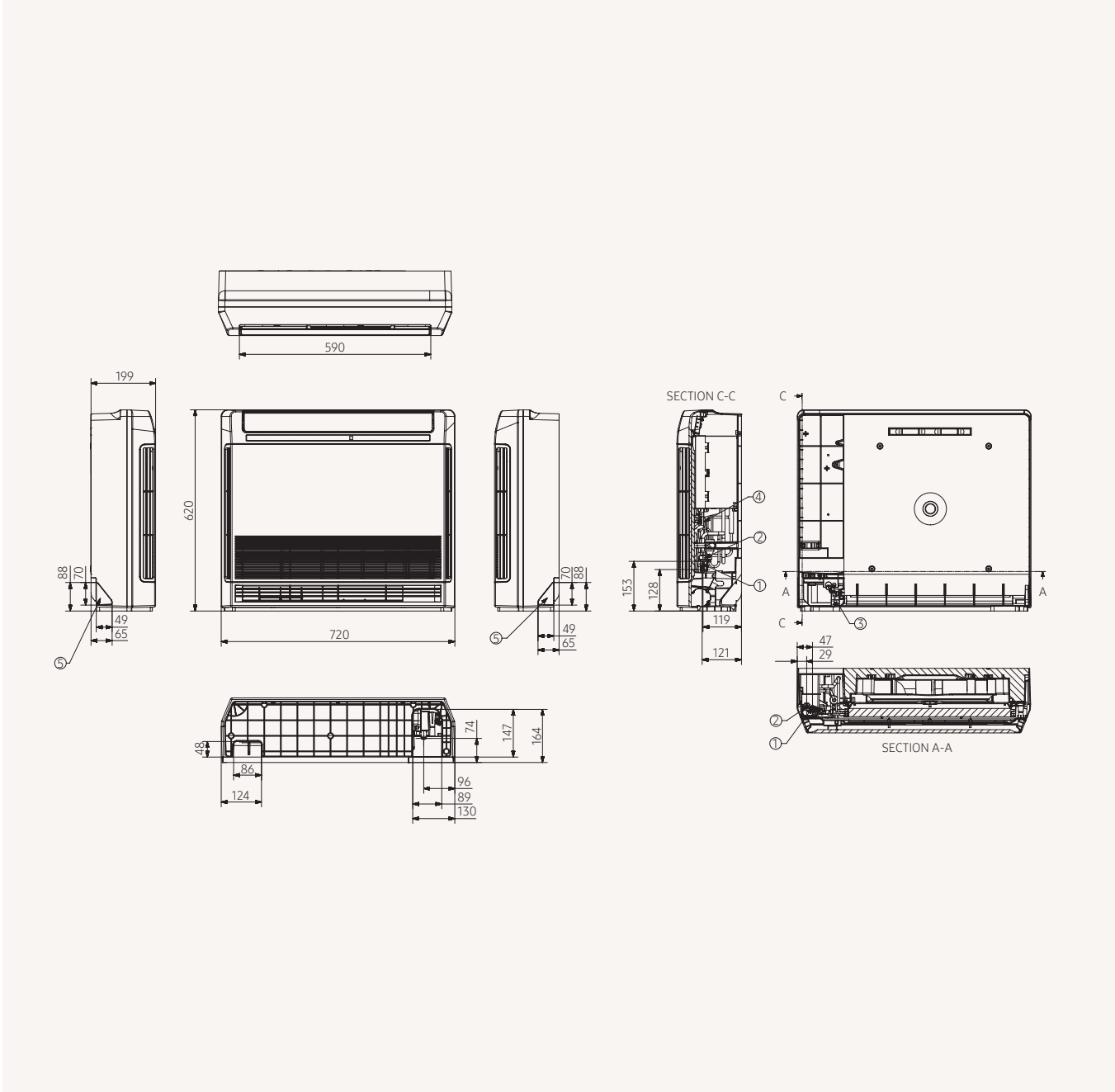
AE090MNMPEH/EU



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(OD 32, ID 25)
4	Power supply & Communication wiring conduit	-
5	Air suction flange	-
6	Air discharge flange	-
7	Hook	Use M8~M10 bolt(4ea)

TDM Plus Console

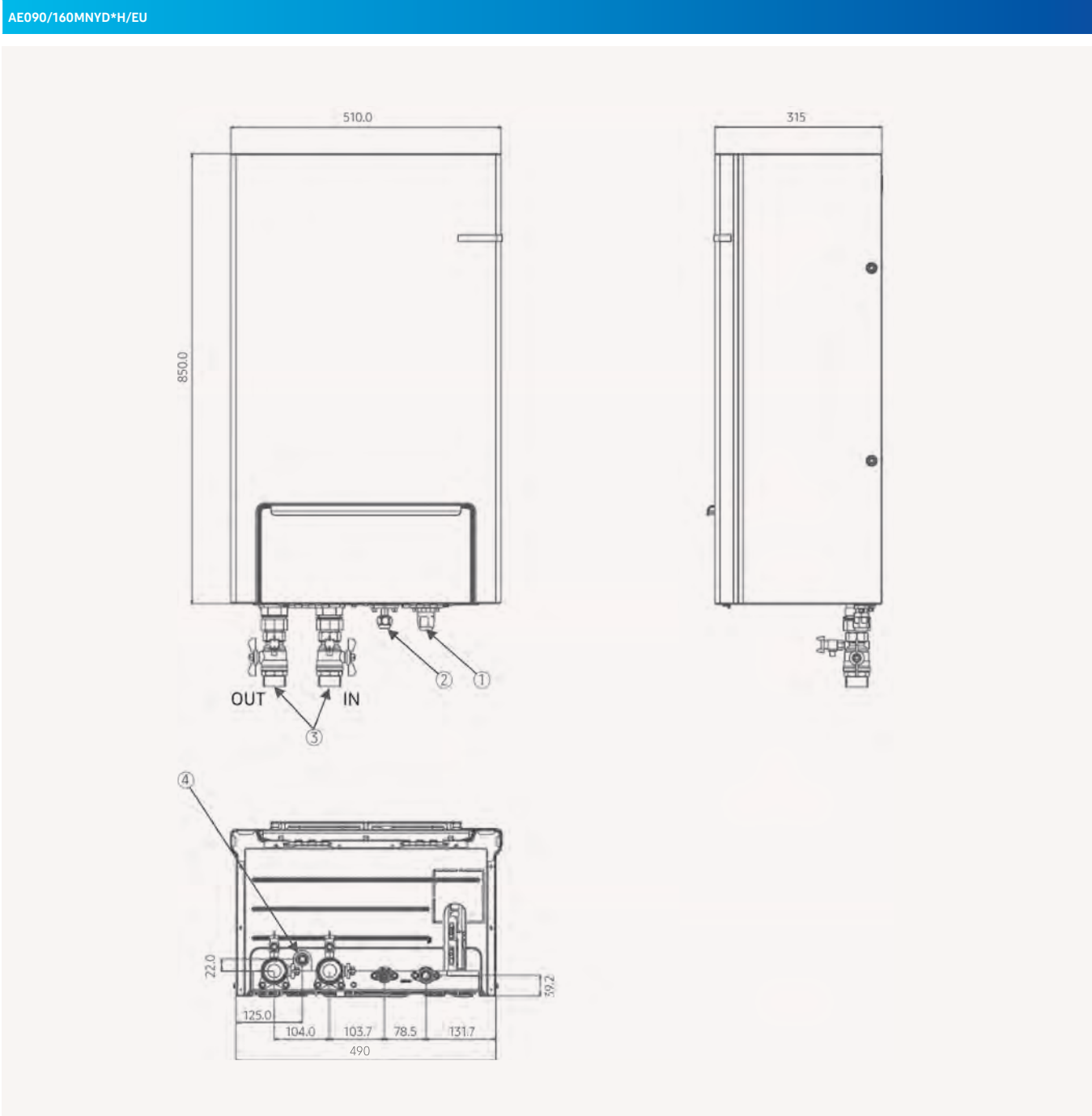
AE022/028/036/056MNJDEH/EU



NO	Name	Description
1	Liquid pipe connection	Φ6.35(1/4)
2	Gas pipe connection	Φ12.7(1/2)
3	Drain pipe connection	ID 18mm[11/16 inch] Hose
4	Power supply & Communication wiring conduit	-
5	Knockout hole for drain hose	-

Dimensional Drawings

Wall-Mounted Hydro Unit



NO	Name	Description
1	Gas Ref. Pipe	ϕ 6.35 (1/4") (9kW), ϕ 9.52 (3/8) (16kW)
2	Liquid Ref. Pipe	ϕ 15.88 (5/8)
3	Water Pipe (Inlet/Outlet)	BSPP male 11/4
4	Drain Hose Connector	



Controls

Line-up

Category	Product	Model		Compatibility Table				
				EHS ClimateHub R32		EHS with Third Party Tank		
				EHS Mono R32	EHS Split R32	EHS Mono R32	EHS Split R32	EHS Split R410A
Individual Control System	Wireless Remote Controller	AR-EH03E						
		MR-EH00						
	Wired Remote Controller	MWR-WW10N		•	•	•	•*	
		MWR-WW00N						•*
		MWR-WE13N						
	Touch Controller	MWR-SH11N						
	Mono Control Kit	MIM-E03CN				•		
Centralised Control System	Touch Controller	MCM-A300N		•	•	•	•	•
	Wi-Fi Kit 2.0	MIM-H04EN		•	•	•	•	•
Integrated Control System	DMS 2.5	MIM-D01AN		•	•	•	•	•
Interface Module & Gateway	External Contact Interface Module	MIM-B14				•	•	•
	Pulse Interface Module (PIM)	MIM-B16N		•	•	•	•	•
	Modbus Interface module	MIM-B19N		•	•	•	•	•
Others	S-Converter	MIM-C02N		•	•	•	•	•
	External room sensor	MRW-TA		•	•	•	•	•
	Receiver Kit	MRK-A10N						

Compatibility Table					
TDM Plus R410A					
TDM Plus ClimateHub R410A	Wall-Mounted Hydro Unit	TDM Plus WindFree™ Deluxe	Slim Duct	MSP Duct	Console
		•*			
			optional	optional	•*
•					
	•*				
		•	•	•	•
		•	•	•	•
•	•	•	•	•	•
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* No need to order separately, controller is already included.

Features

Controls | Individual Control

Wireless / Wired Remote Controllers		
Wireless Remote Controller Standard with WindFree™ AR-EH03E		• WindFree™ On/Off • Filter replacement alarm reset • Simple On/Off timer • Indoor unit option code setting • Temperature setting range • Auto/Cool/Dry : 18°C - 30°C • Heat : 16°C - 30°C • Direct/Indirect function On/Off • Motion Detect Sensor necessary • Net dimensions (W x H x D): 48 x 138 x 24mm
Wired Remote Controller Standard type for EHS MWR-WW10N		• Full color 4.3" LCD screen • Easy and Intuitive UI • 2-zone Control • LCD Backlight • Multiple Language support* • IR receiver is included • Daylight Savings Time • °C / °F Convertible • Error list display • Built-in room temperature sensor • SD slot • Net dimensions (W x H x D): 120 x 120 x 19mm * Available languages: English, German, Spanish, French, Italian and Polish.
Wired Remote Controller MWR-WE13N MWR-WW00N		• Air conditioner/ERV operation setting (Horizontal air flow, WindFree™) • LCD Backlight • Air conditioner/ERV error monitoring • Air conditioner individual blade control • Filter cleaning alert/reset alert time • Air conditioner/ERV interlocking control • Energy saving control • Automatic operation stop function • Weekly operation schedule setting • Button restriction function • Built-in room temperature sensor • Real time clock (Daylight Savings Time) • Control max. 16 indoor units (Air conditioner + ERV) in group with single wired remote controller • Net dimensions (W x H x D): 120 x 124 x 19.5mm
Wired Remote Controller Touch Simple type MWR-SH11N		• Touch screen wired remote controller • LCD Backlight • IR receiver is included • Away function • Quiet mode, Sleep mode • Reset filter cleaning alert indicator • Air conditioner Individual/group control • Operation On/Off timer function • WindFree™/Long horizontal wind • Button locking function • Eliminate Operation Mode function : Auto/Cool/Dry/Fan/Heat mode • Built-in room temperature sensor • °C / °F Convertible • Relative temperature setting function : -3 ~ +3°C setting • Control max. 16 indoor units in group with a single wired remote controller • Net dimensions (W x H x D): 94.2 x 122 x 19.5mm
Mono Control Kit MIM-E03CN		• EHS R32 Mono control Kit • Includes remote controller (MWR-WW10N) and flow sensor • Mounting box with the control printed board assembly • Leaving and return water sensors • Domestic Hot Water sensor • Net Dimensions (WxHxD) mm 290 x 110 x 370 mm

Controls | Centralised Control

Centralised Control Systems		
Touch Controller MCM-A300N		• 7 inch touch LCD controller • Controls max. 128 indoor units • Controls max. 12 zones • Schedule control, Indoor unit usage restriction, View indoor unit error history • Net dimensions (W x H x D): 205 x 163 x 38mm
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

Controls | Integrated Control

Integrated Control Systems		
DMS2.5 MIM-D01AN		• Built-in web server for PC-independent management and remote access control • Multiple upper-layer control access (S-NET 3, Web-client) • Weekly/Daily schedule control • Power distribution function • Current time management even during power failure (for 24 hours) • Emergency stop function with simple contact interface • Individual/Group control of up to 256 indoor units, AHU and ERV • User editable control logic • Accessible level management. • Dynamic security management • Operation & error history management • Data storage in non-volatile memory & SD memory • Net dimensions (W x H x D): 240 x 255 x 65mm

* Calculated by Samsung's own algorithm, it cannot be used as a legal basis.

Features

Controls | Interface devices

Module, Application Kit, Gateway		
External Contact Interface Module MIM-B14		The 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. Plus the module 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 • Net dimensions (W x H x D): 50 x 80 x 35mm
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
Pulse Interface Module (PIM) 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 8 watt-hour meters • Pulse interface with watt-hour meters • Watt-hour meter - by 3rd party • Net dimensions (W x H x D): 240 x 255 x 65mm

Module, Application Kit, Gateway		
S-Converter MIM-C02N		Communication converting module to connect a Samsung system air conditioner to a PC • Main reasons for use: - To connect with test run program [Test run program] - S-NET Pro: Conventional communication - S-NET Pro2: New communication • Net dimensions (W x H x D): 66 x 92 x 28mm





Accessories

Compatibility

Accessories		Name	Indoor unit	TDM Plus Slim Duct	TDM Plus MSP Duct	TDM Plus WindFree™ Deluxe	TDM Plus Console	Wall-Mounted Hydro Unit	EHS ClimateHub
		Name	Model code	2.2-5.6 kW	7.1-9.0 kW	2.2- 7.1 kW	2.2-5.6 kW	9.0/16.0 kW	200/260 L
EEV Kit (1/2/3 room)		1 Indoor	MEV-E24SA			•			
			MEV-E32SA			•			
		2 Indoor	MXD-E24K132A			•			
			MXD-E24K200A			•			
			MXD-E32K200A			•			
		3 Indoor	MXD-E24K232A			•			
			MXD-E24K300A			•			
			MXD-E32K224A			•			
			MXD-E32K300A			•			
Y-Joint		(≤15.0 kW and below)	MXJ-YA1509M	•	•	•	•	• (TDM Plus only)	• (TDM Plus only)
Drain Pump		Internal	MDP-E075SEE3D	•					
		External	MDP-G075SP		•				
		Internal	MDP-G075SQ		•				
Backup Heater		4 kW	MHC-400FE						•
		6 kW	MHC-600FE						•



Design and Support



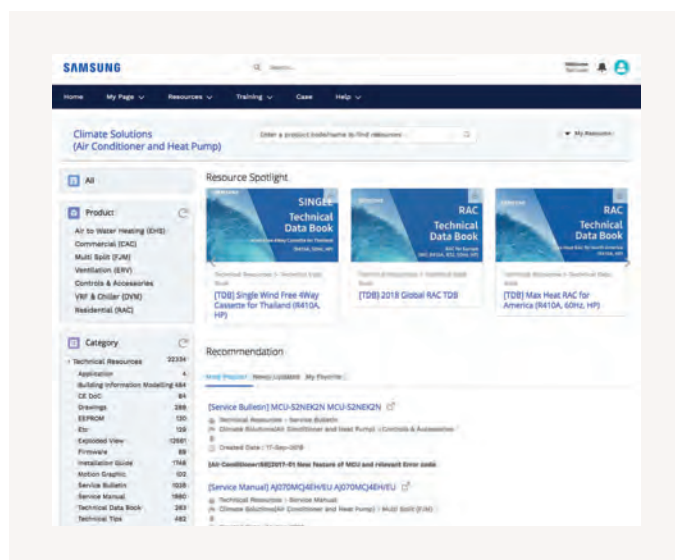


Samsung Climate Solutions Partner Portal

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 marketing materials or 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.

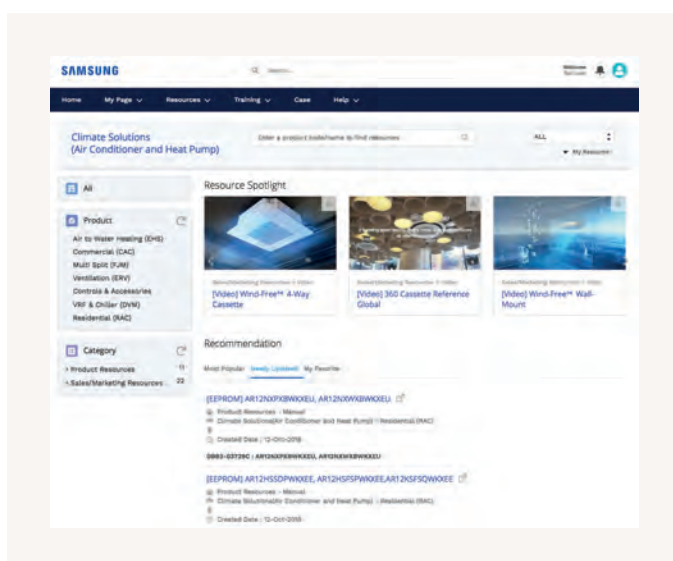
Access technical resources

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.



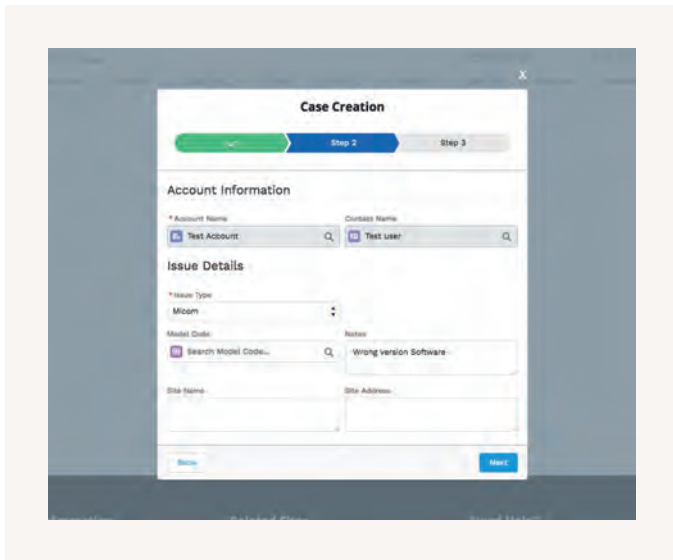
Obtain marketing resources

Potential buyers like to know that you are on the cutting edge of Samsung's latest innovations. To enable you to align with Samsung's marketing initiatives, the Partner Portal provides you with useful downloadable assets such as images and videos, designed to make your marketing activities easy and effective.



Request technical support

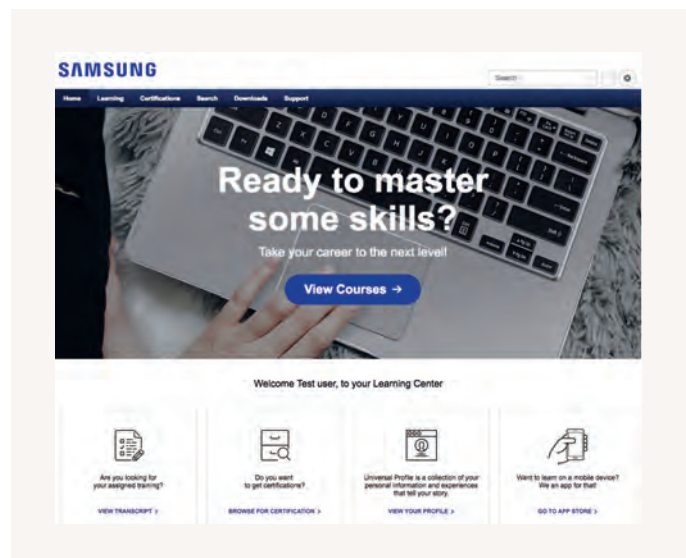
You can easily request technical support through the Samsung Partner Portal by reporting your case using our built-in ticketing system. You can rest assured that our well-trained technical experts will work to solve your issue as soon as possible.



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.¹

¹ 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



Register

To register for the Samsung Climate Solutions Partner Portal, open your web browser¹ and go to partnerhub.samsung.com/climate to complete the registration form.



Access

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



Manage account

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



Search and download

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

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



DVM Pro 2.0



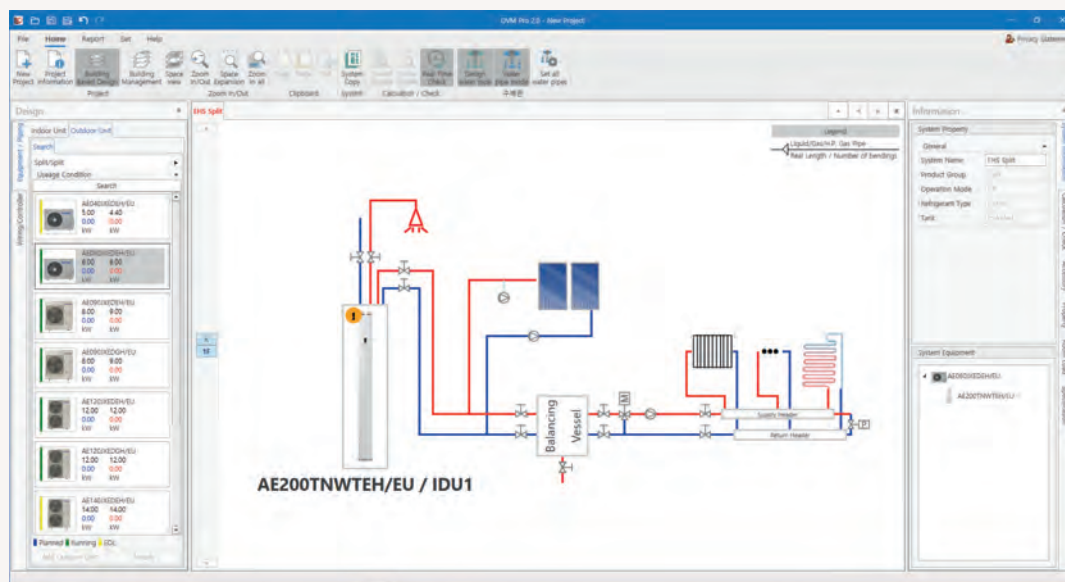
Samsung DVM Pro 2.0 NEW

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

Piping schematics

Basic or manual selection with system check and capacity simulation

Reports

Specifications, diagrams in DWG & BMP format, quotations

Control systems

Automatic control unit selection

Updated Toolbar NEW

User-friendly tool bar helps to guide intuitively

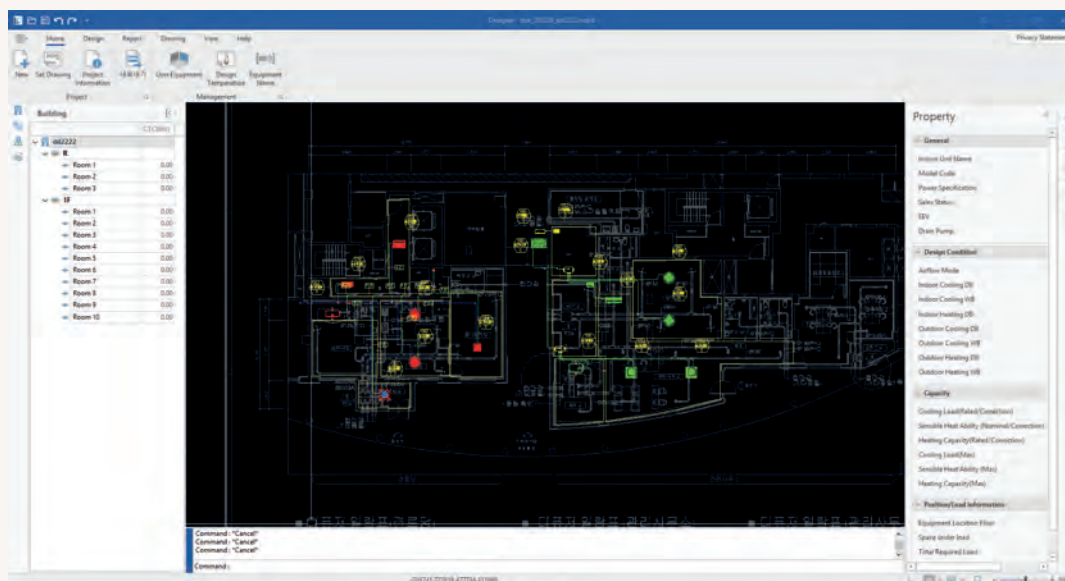
Wiring schematics

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 software¹.

¹ 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 NEW
Compatible with AutoCAD and AutoCAD LT for DWG.

How to access



Register

Go to dvmpromkt.samsung.com to access the Samsung DVM Pro 2.0 Portal¹. 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.

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

A close-up, low-angle shot of a Samsung air conditioning unit. The unit is metallic and features several horizontal, oval-shaped vents. On the right side, there are two labels: a smaller one with a barcode and a larger one with the Samsung logo and technical specifications. The background is slightly blurred, showing more of the unit's structure.

Samsung Climate Solutions Academy



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 Portal¹: 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.

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

Hydraulic Schematics

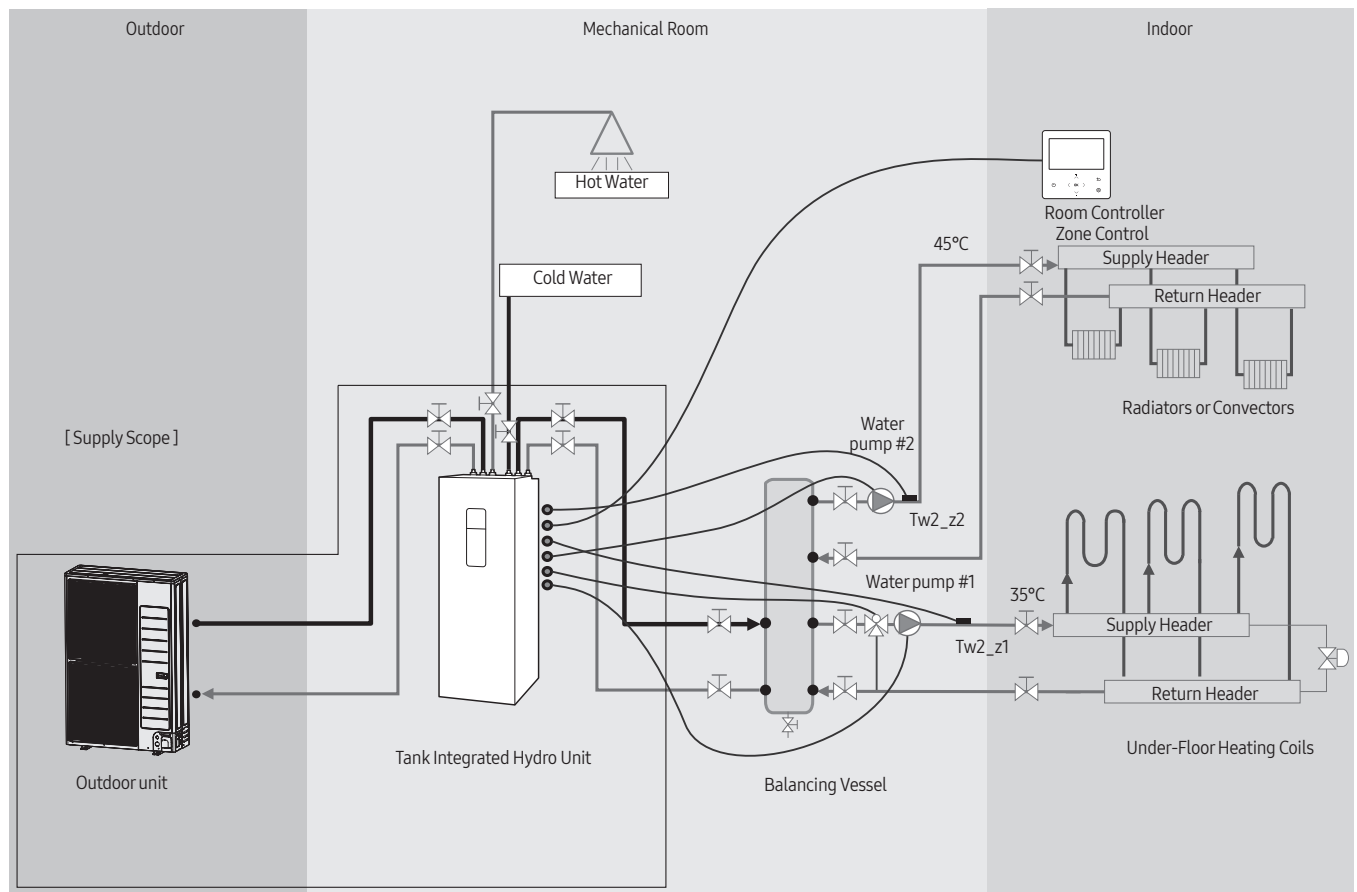


Project: Casa L (Spain)
Project Architecture: ÁBATON
Interior Design: BATAVIA
Photography: Carlos Muntadas

ClimateHub Split

Application examples

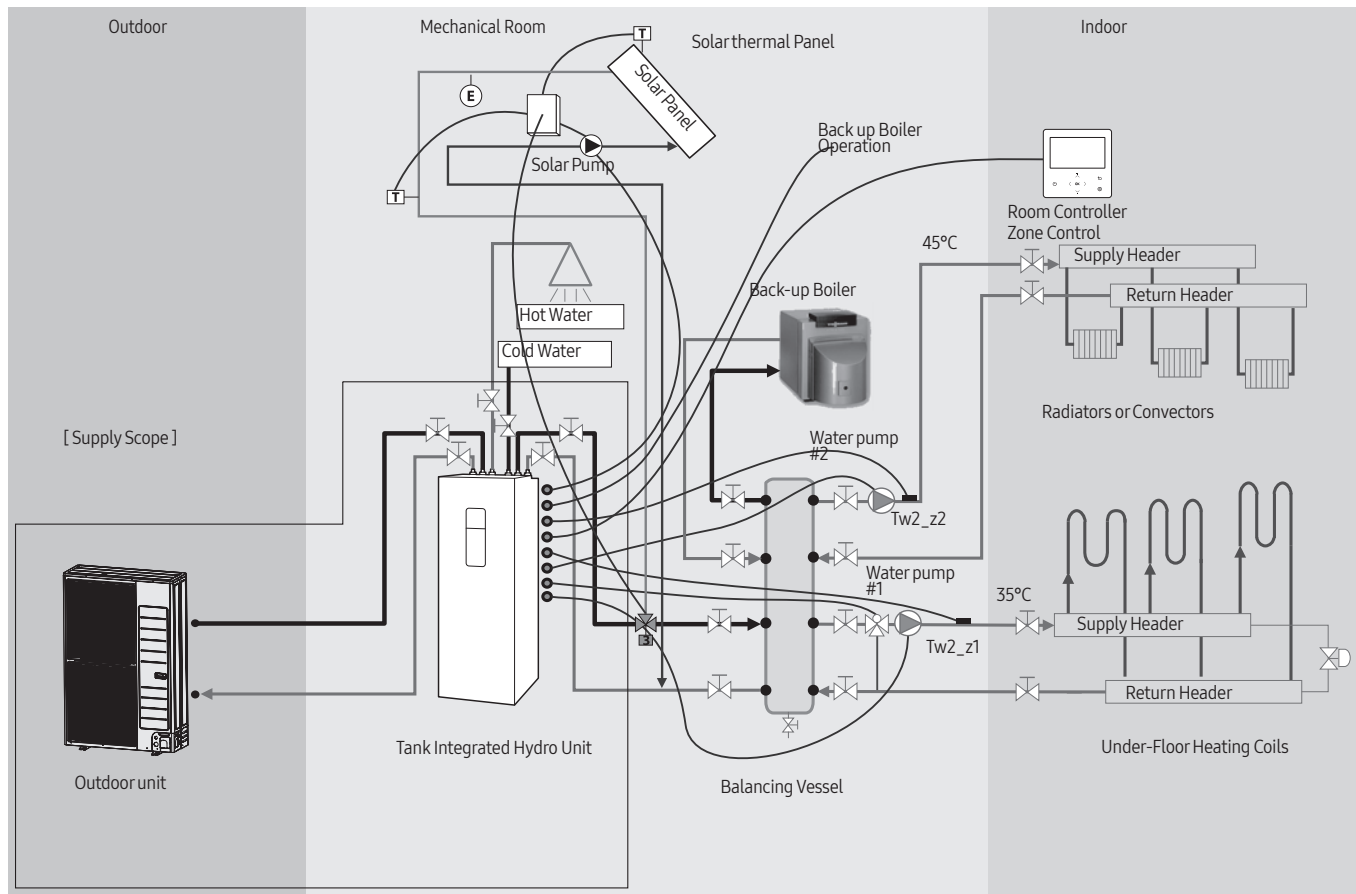
Application 1: Space heating + water heating



ClimateHub Split

Application examples

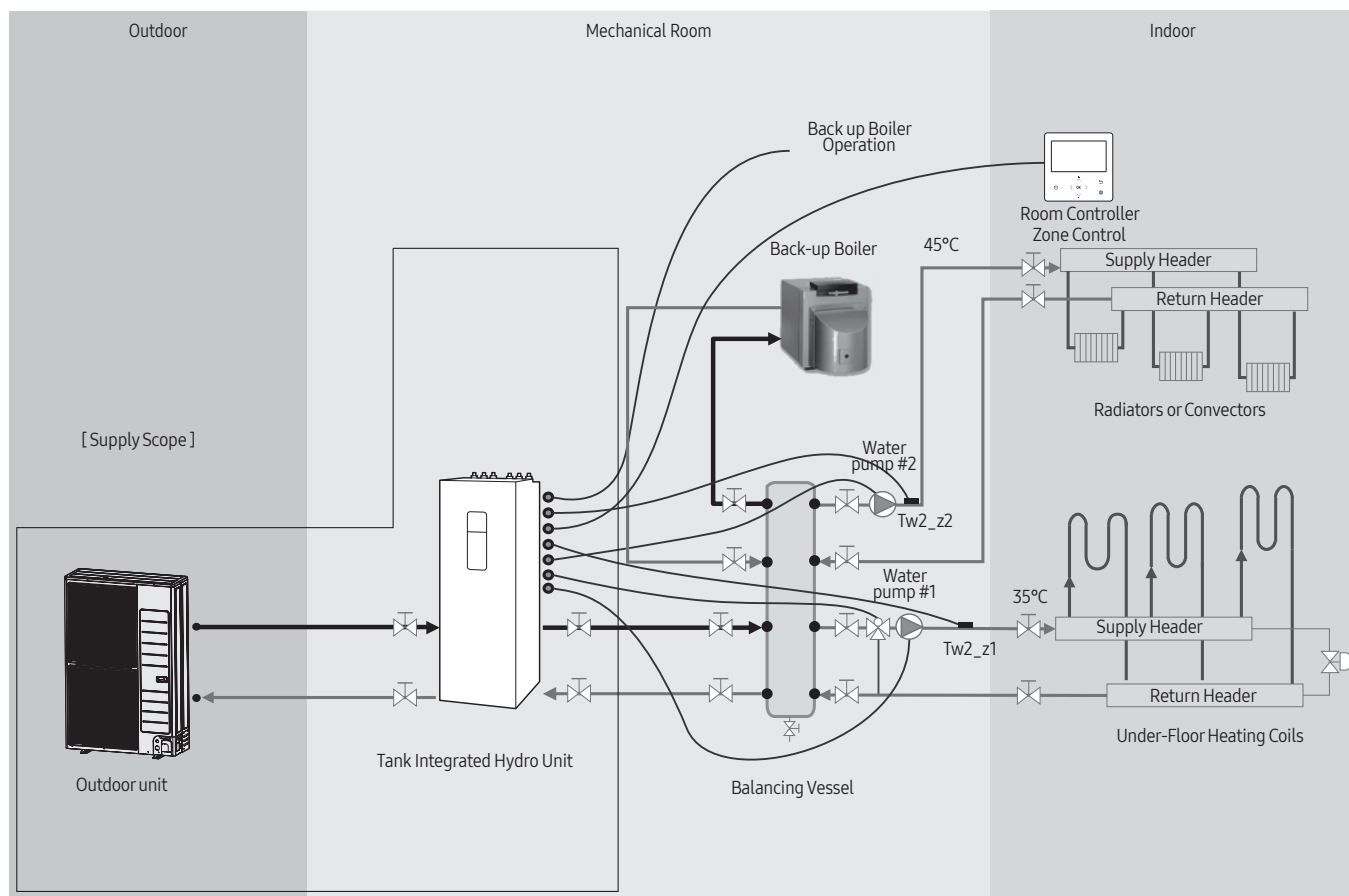
Application 2: Hybrid application (backup boiler and solar panel connected)



ClimateHub Mono

Application examples

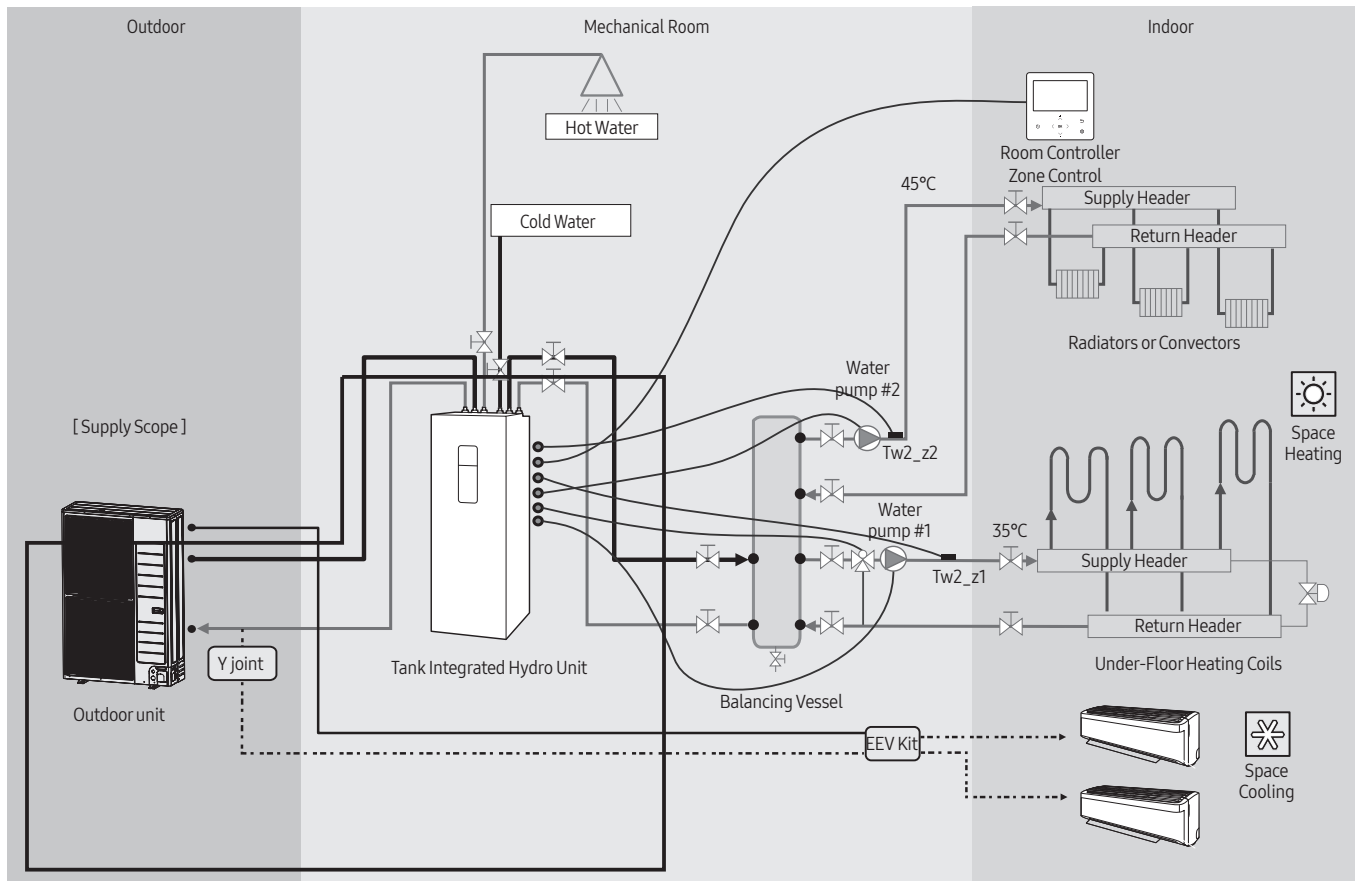
Application 3: Space heating + water heating



ClimateHub TDM Plus

Application examples

Application 4: Space heating + water heating/ A2A cooling



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

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Samsung Electronics Co., Ltd. participates in the Eurovent Certification Programme (ECP) for Air Conditioners (AC), Variable Refrigerant Flow (VRF) and Liquid Chilling Packages Heat Pump (LCP-HP). To check the ongoing validity of certification, please visit: www.eurovent-certification.com

Samsung Electronics Air Conditioner Europe B.V.
Evert van de Beekstraat 310, 1118 CX Schiphol
P.O. Box 75810, 1118 ZZ Schiphol
+31 (0)8 81 41 61 00
The Netherlands

SAMSUNG