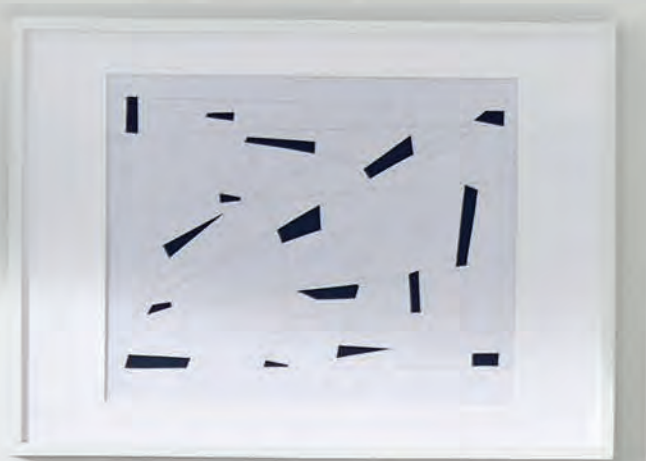


TDM Plus





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 a minimum water temperature.



	Indoor Unit			AE200TNWTEH/EU		AE200TNWTEH/EU	
	Outdoor Unit			AE044MXTPEH/EU		AE066MXTPEH/EU	
	Controller			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 ηs LWT 35°C/ 55°C		ETA%	173/ 110	173/ 115	
		Average Seasonal space heating eff. class ** LWT 35°C/ 55°C		-			
		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		
	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		200	200		
	Declared Load Profile	L/XL		L	L		
	Average water heating efficiency ηwh	ETA%		115	115		
	Average Energy Efficiency Class						
	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	43	
Piping	Water pipe (Space Heating)	Inlet/Outlet	Φ, inch	1+1/4"	1+1/4"		
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	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)	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		
			kg	2.6	2.6		
	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	30	
		Level difference (IDU-IDU) ⁵	Max.	m	20	20	
		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-WW10*N	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/W35¹ / A7/W55²	kW	9.0/ 7.7		12.0/ 10.7	
			Cooling A35/W18¹	kW	8.0		12.0	
		Power Input (Nominal)	Heating A7/W35¹ / A7/W55²	kW	2.12/ 2.82		2.72/ 3.91	
			Cooling A35/W18¹	kW	1.85		2.90	
		COP (Nominal Heating) A7/W35¹ / A7/W55²		W/W	4.25/ 2.72		4.41/ 2.74	
		EER (Nominal Cooling) A35/W18¹		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 ηs LWT 35°C/ 55°C		ETA%	174/ 117		183/ 114	
		Average Seasonal space heating eff. class ** LWT 35°C/ 55°C		-				
		Current	MCA	A	22.00		28.00	
			MFA	A	27.50		35.00	
		Maximum allowable IDU⁵ connections (Hydro A2Wunit not included)	Max. number of IDU⁵	EA	4		5	
			Total capacity Min. (Cooling)	Total capacity Min. (Cooling)	kW	4.50		6.00
		Total capacity Min. (Cooling)		Total capacity Min. (Cooling)	kW	9.00		12.10
			Leaving Water Temperature³	Heating	°C	15–55		15–55
		Cooling		Cooling	°C	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		
	Water Tank Volume		litres	260		260		
	Declared Load Profile		L/XL	XL		XL		
	Average water heating efficiency ηwh		ETA%	105		95		
	Average Energy Efficiency Class		-					
	Heater	Back-up heater Capacity	Default (Option)	kW	2 (4/6)		2 (4/6)	
	Sound	Sound Pressure⁴	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 Pressure⁴	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	tCO₂e	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-WW10*N	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 x1,800 x 700	595 x1,800 x 700	595 x1,800 x 700	595 x1,800 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 x1,420 x 330	940 x 998 x 330	940 x1,420 x 330	940 x1,420 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.
- Backup heater is recommended to ensure a minimum water temperature.



	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	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	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			
Performance			1Φ, 2, 220-240 V, 50 Hz			
Power	Capacity	Cooling / Heating	kW	2.2/2.5	2.8/3.2	3.6/4.0
	Power Input	Cooling / Heating	W	55/55	60/60	65/65
Fan	Current Input	Cooling / Heating	A	0.30/0.30	0.32/0.32	0.33/0.33
	Type	-	-	Sirocco Fan	Sirocco Fan	Sirocco Fan
Fan Motor	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
Piping Connections	External Pressure	Max. (Min/Std/Max)	mmAq	0/1/3	0/1/3	0/1/3
		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
	Output x n	W	28x1	28x1	28x1	28x1
Refrigerant	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")
Sound	Type	-	-	R410A (Fluorinated greenhouse gas, GWP=2,088)	R410A (Fluorinated greenhouse gas, GWP=2,088)	R410A (Fluorinated greenhouse gas, GWP=2,088)
	Sound Pressure	H/M/L	dB(A)	26 / 24 / 21	28 / 26 / 23	32 / 30 / 27
Dimensions	Sound Power	dB(A)	49	49	51	55
	Net Weight	kg	19	19	19,5	24,5
Optional Accessories	Net Dimensions (W×H×D)	mm	700 x 199 x 600	700 x 199 x 600	700 x 199 x 600	900x199x600
	Drain Pump	Model	-	MDP-E075SEE3D (Built-in)	MDP-E075SEE3D (Built-in)	MDP-E075SEE3D (Built-in)
		Max. Lifting Height/Displacement	mm / Litre/h	750 / 24	750 / 24	750 / 24

Accessories



Drain Pump (Built-in)

Remote Control

Touch Controller

Wireless Receiver Kit

Touch Controller

DMS2.5

MDP-E075SEE3D

AR-EH00

MWR-SH11N

MRK-A10N

MCM-A300N

MIM-D01AN



Wi-Fi Kit

External Room Sensor

Y-joint

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			MSP Duct	
Model Name			AE071MNMPEH/EU	AE090MNMPEH/EU
Power Supply			1Φ, 2, 220~240 V, 50 Hz	1Φ, 2, 220~240 V, 50 Hz
Performance	Capacity	Cooling / Heating	kW	7.1/8.0
				9.0/10.0
Power	Power Input	Cooling / Heating	W	120/120
	Current Input	Cooling / Heating	A	1.0/1.0
Fan	Type	-	Sirocco Fan	Sirocco Fan
	Quantity	EA	2	2
	Air Flow Rate	H/M/L (UL)	m³/min	22 / 19 / 16
	External Pressure	Max. (Min/Std/Max)	mmAq	0 / 3 / 15
			Pa	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
	Sound Power		dB(A)	57
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-G075SP (External)	MDP-G075SP (External)
		Max. Lifting Height/Displacement	mm / Litre/h	750 / 24

Accessories

Drain Pump (Built-in)	External Drain Pump	Remote Control	Touch Controller	SPI kit	Touch Controller
MDP-G075SQ	MDP-G075SP	AR-EH00	MWR-SH11N	MSD-EAN1	MCM-A300N
DMS2.5	Wi-Fi Kit	External Room Sensor	Wireless Receiver Kit	Y-joint	
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			
Performance			1Φ, 2, 220-240 V, 50 Hz			
Power	Capacity	Cooling / Heating	kW	2.2/2.5	2.8/3.2	3.6/4.0
	Power Input	Cooling / Heating	W	16/16	30/30	35/35
	Current Input	Cooling / Heating	A	0.13/0.13	0.25/0.25	0.29/0.29
Fan	Type	-	Turbo Fan			
	Quantity	EA	1			
	Air Flow Rate	H/M/L (UL)	m ³ /min	6.3 / 5.4 / 4.9	7.0 / 6.0 / 5.0	8.50 / 7.50 / 6.50
Piping Connections	Liquid Pipe	Φ, mm (inch)	6.35 (1/4")			
	Gas Pipe	Φ, mm (inch)	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
	Sound Power		dB(A)	52	58	59
Dimensions	Net Weight	kg	15,5			
	Net Dimensions (W×H×D)	mm	720 x 620 x 199			

Accessories

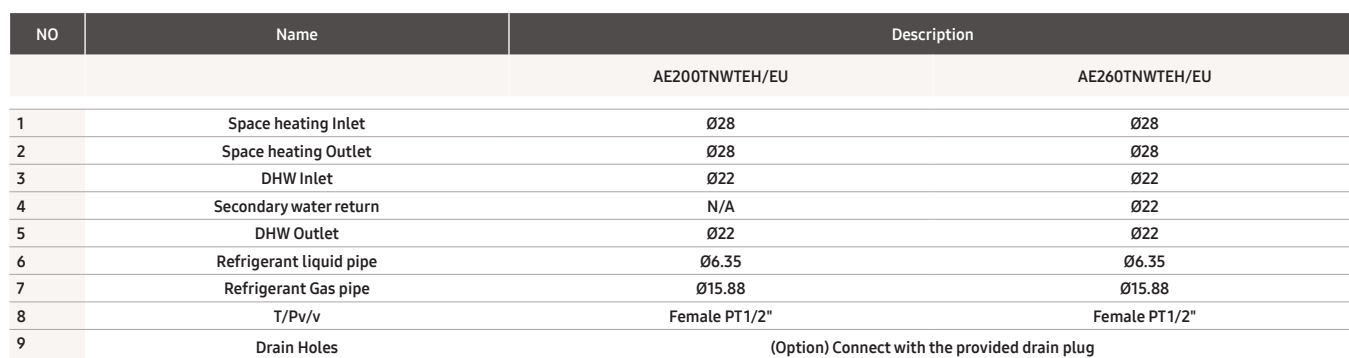


Touch Controller	Remote Control (Included)	Touch Controller	DMS2.5	Wi-Fi Kit	External Room Sensor	Y-joint
MWR-SH11N	MR-EH00	MCM-A300N	MIM-D01AN	MIM-H04EN	MRW-TA	MXJ-YA1509M



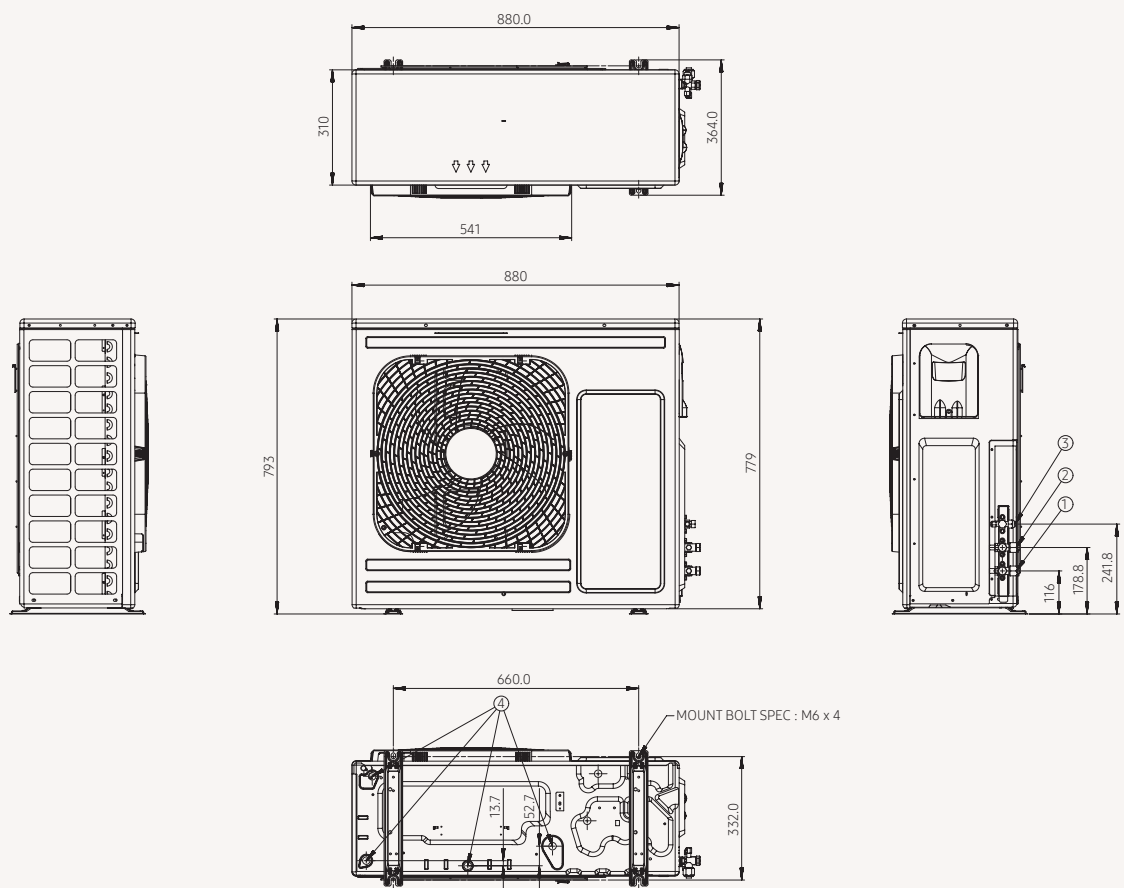
TDM Plus Tank Integrated Hydro Unit

TDM Plus



TDM Plus Outdoor

AE044/066MXTPEH/EU

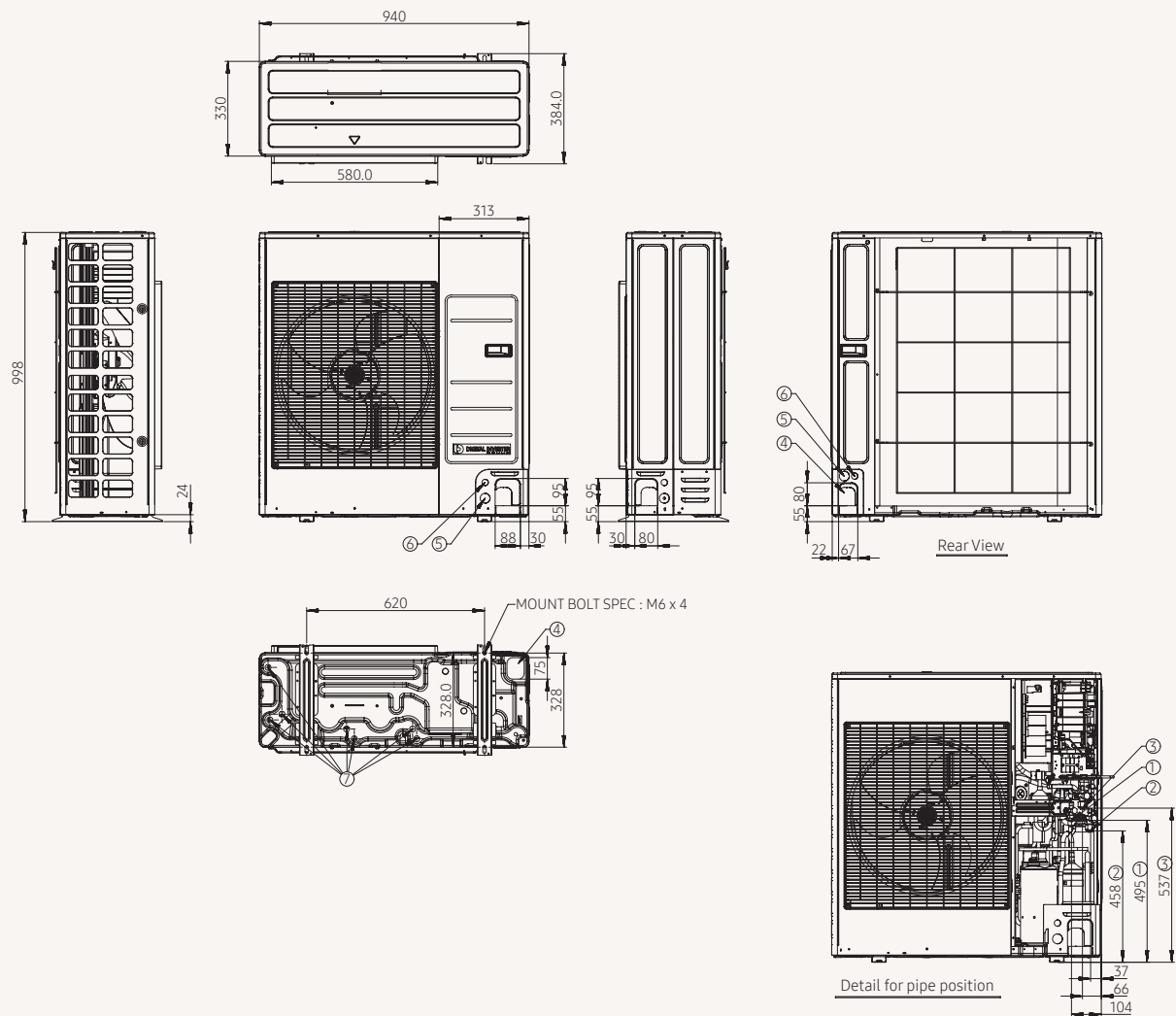


NO	Name	Description	
		4.4 kW	6.6 kW
1	Refrigerant gas pipe for air	Ø15.88("5/8)	
2	Refrigerant gas pipe for water	Ø15.88("5/8)	
3	Refrigerant liquid pipe	Ø9.52("3/8)	
4	Drain holes	Connect with the provided drain plug.	

Dimensional Drawings

TDM Plus Outdoor

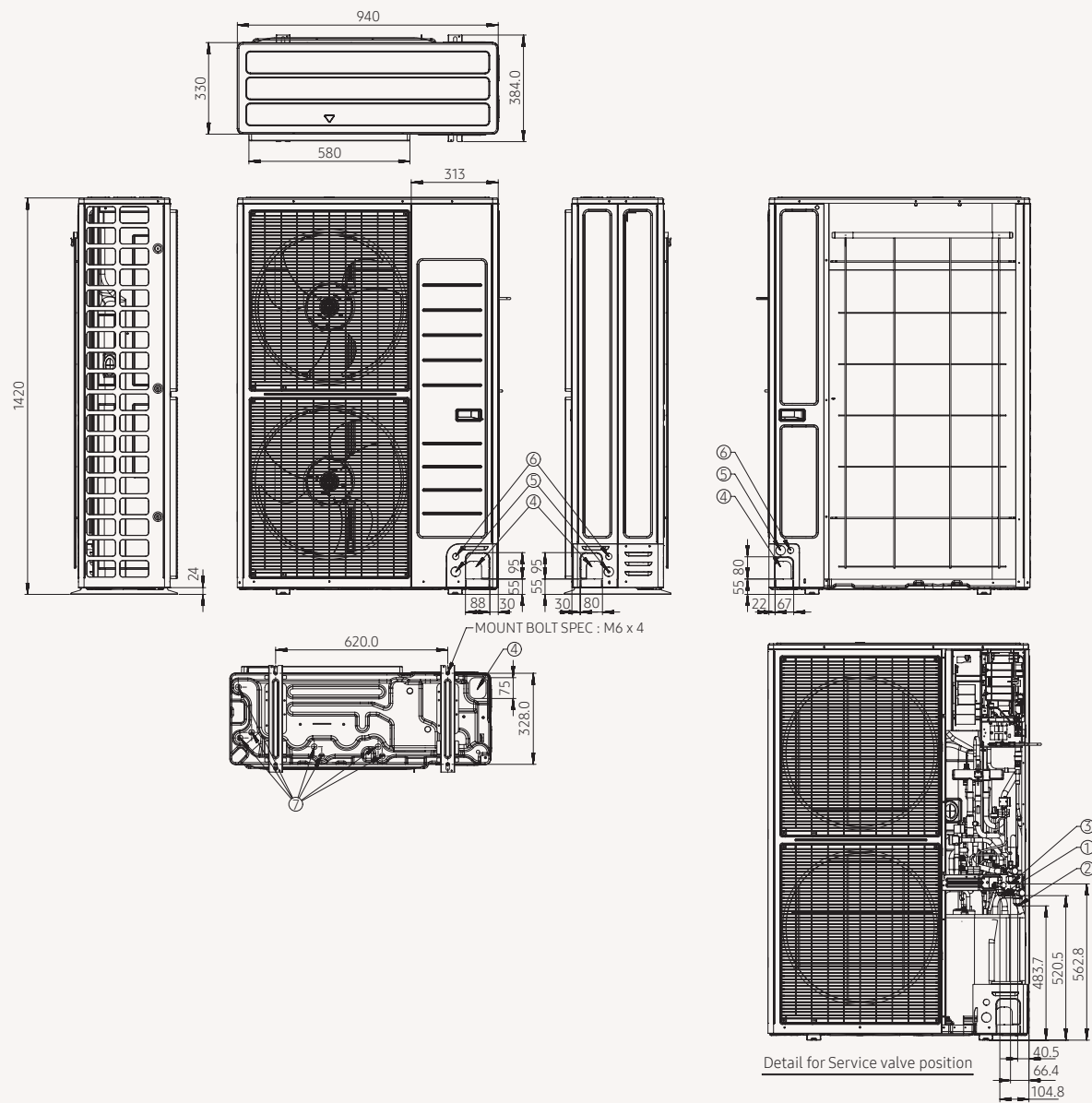
AE090MXTP*H/EU



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.

TDM Plus Outdoor

AE120/160MXP*H/EU

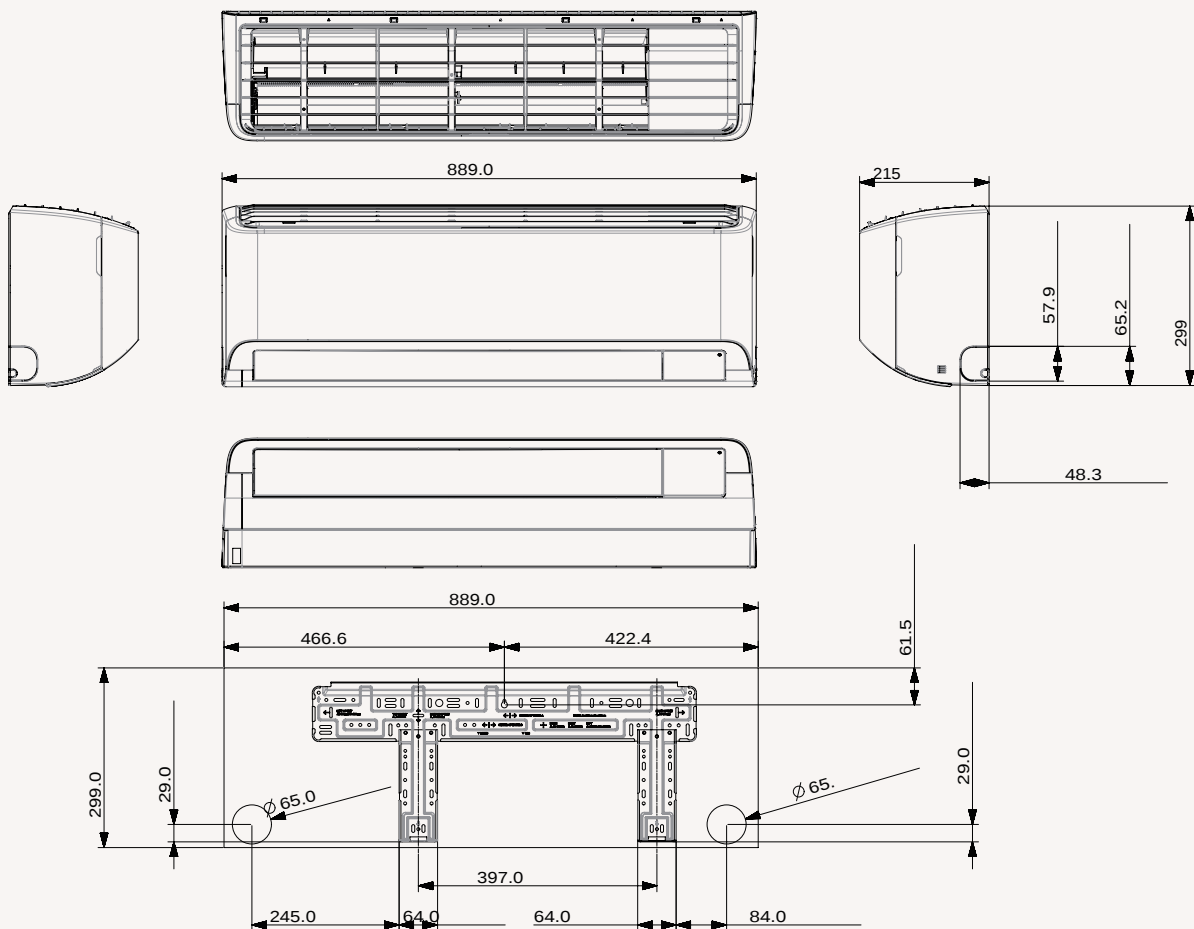


NO	Name	Description	
		12 kW	16 kW
1	Refrigerant liquid pipe	Φ9.52("3/8)	
2	Refrigerant gas pipe for air	Φ15.88("5/8)	Φ15.88("5/8)
3	Refrigerant gas pipe for water	Φ15.88("5/8)	Φ15.88("5/8)
4	Knockout hole for pipe intake	Front / Side / Rear / Bottom	Front / Side / Rear / Bottom
5	Power wiring conduits	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.

Dimensional Drawings

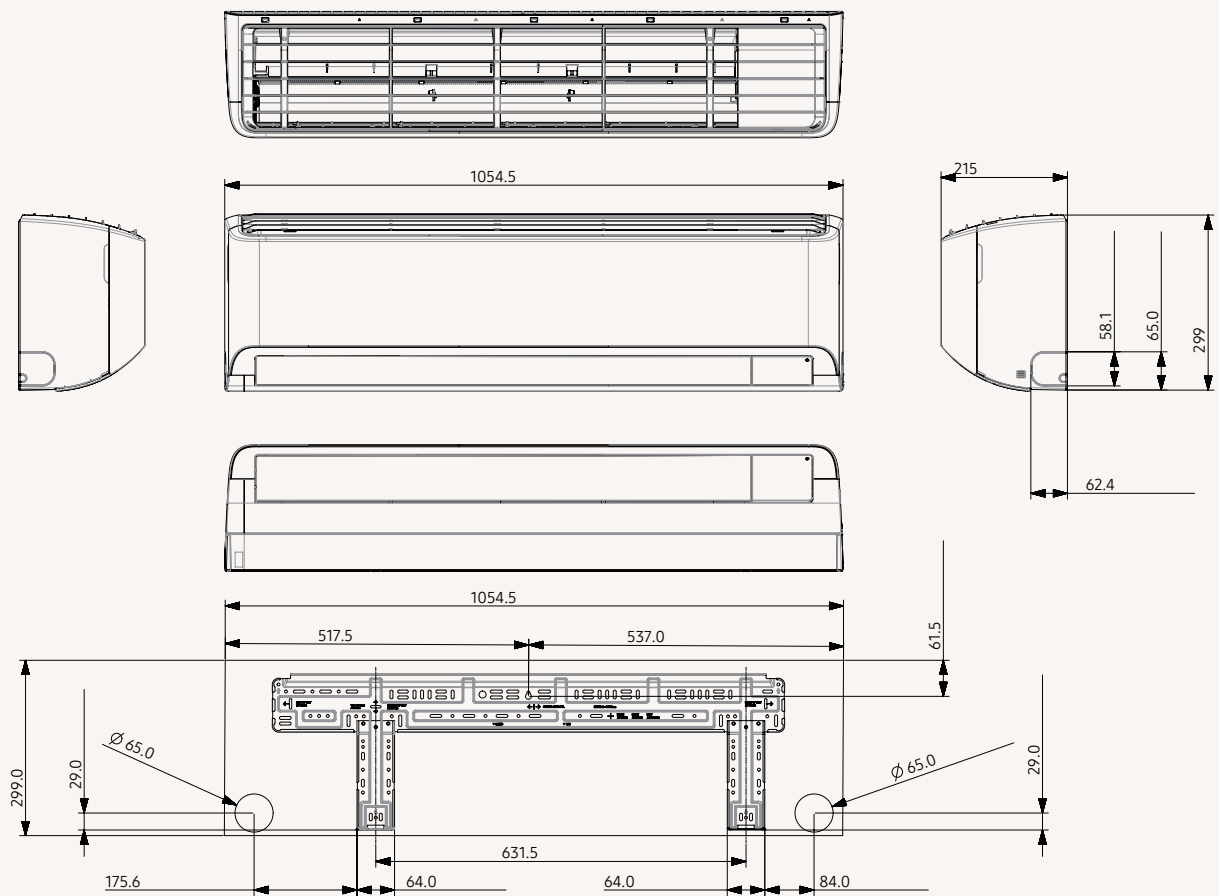
WindFree™ Deluxe

AE022/028/036TNXDEH/EU



WindFree™ Deluxe

AE056/071TNXDEH/EU



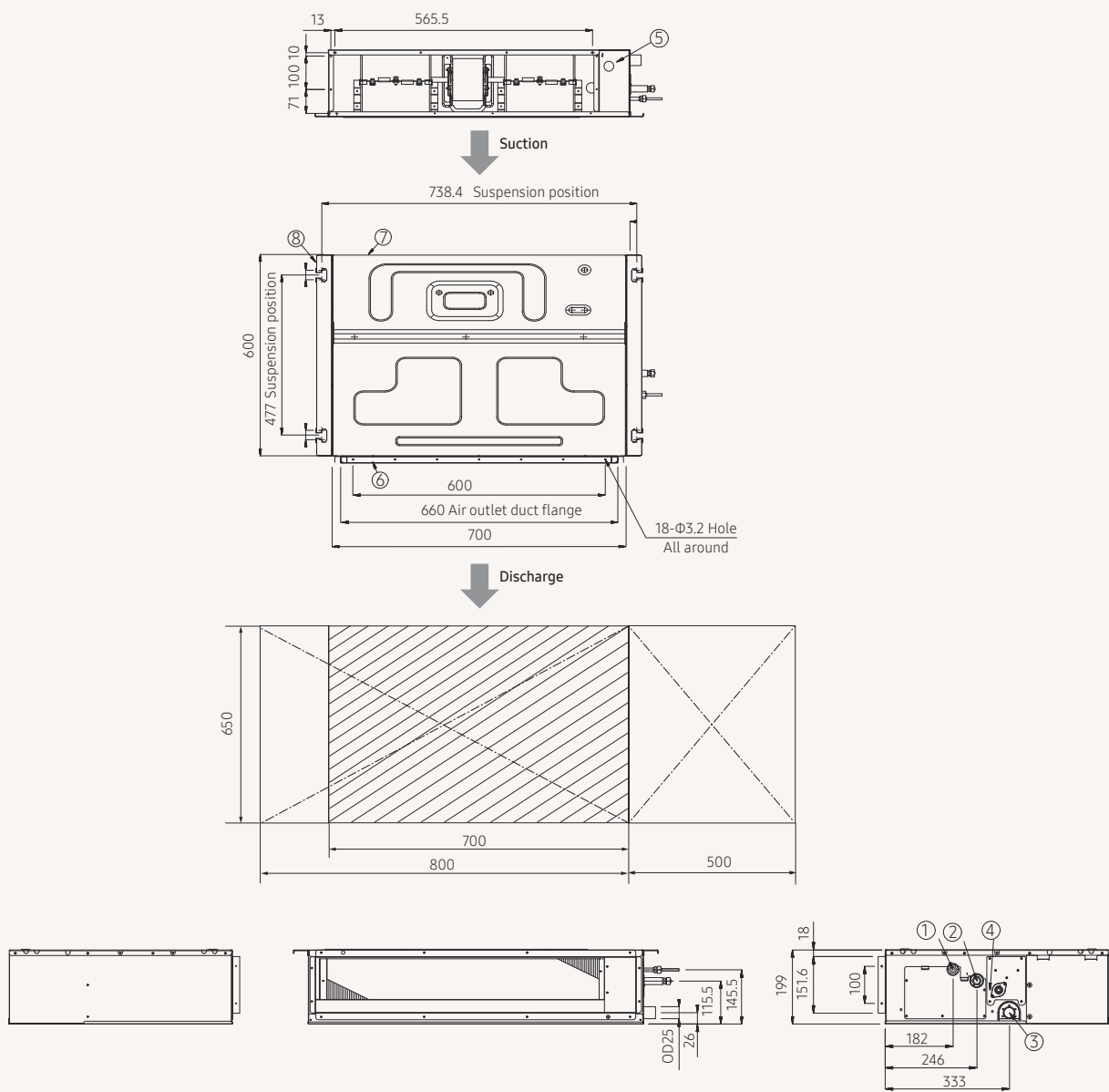
TDM Plus

Dimensional Drawings

TDM Plus Slim Duct

AE022/028/036MNLDEH/EU

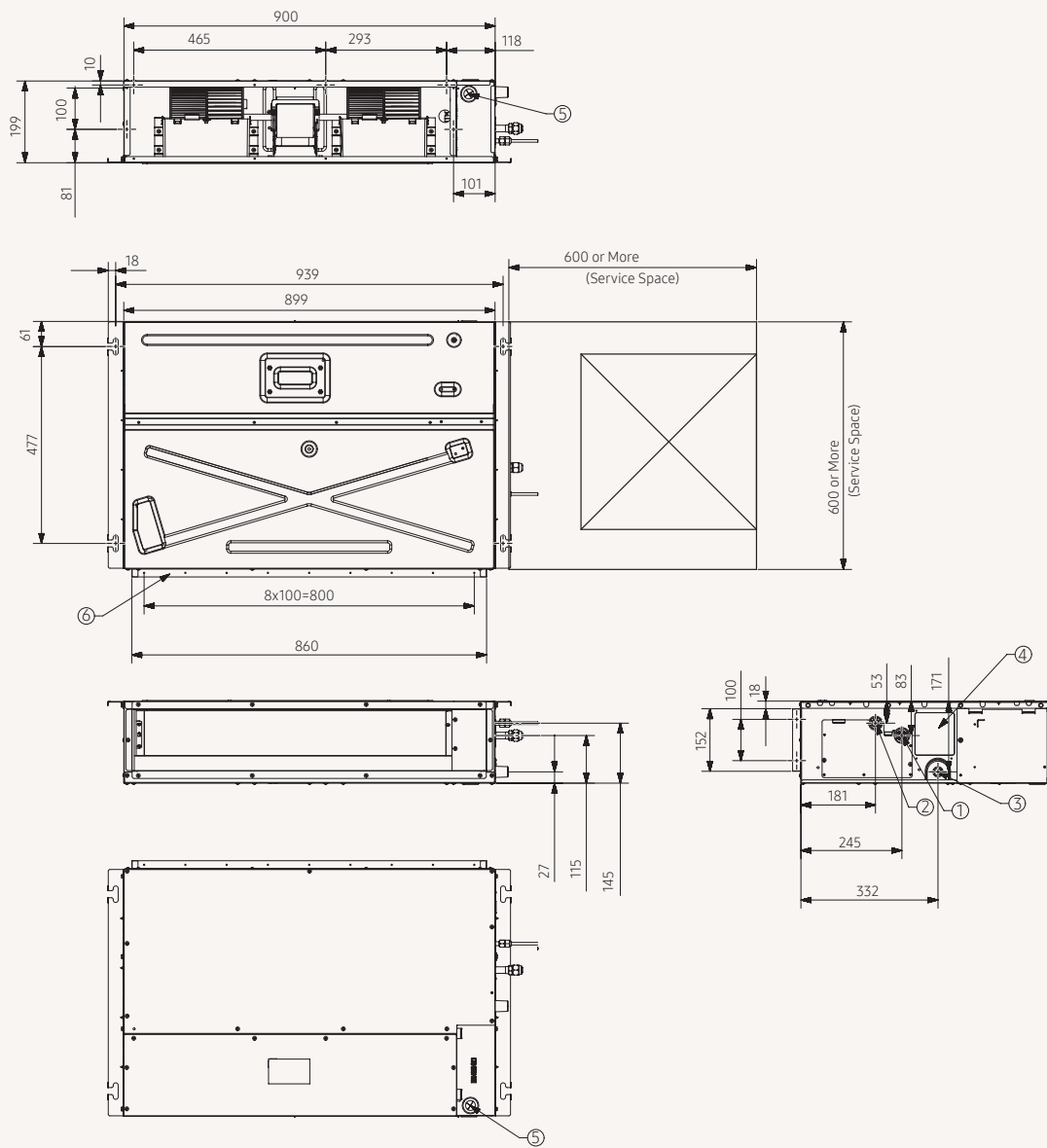
TDM Plus



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

TDM Plus MSP Duct

AE056MNLDEH/EU

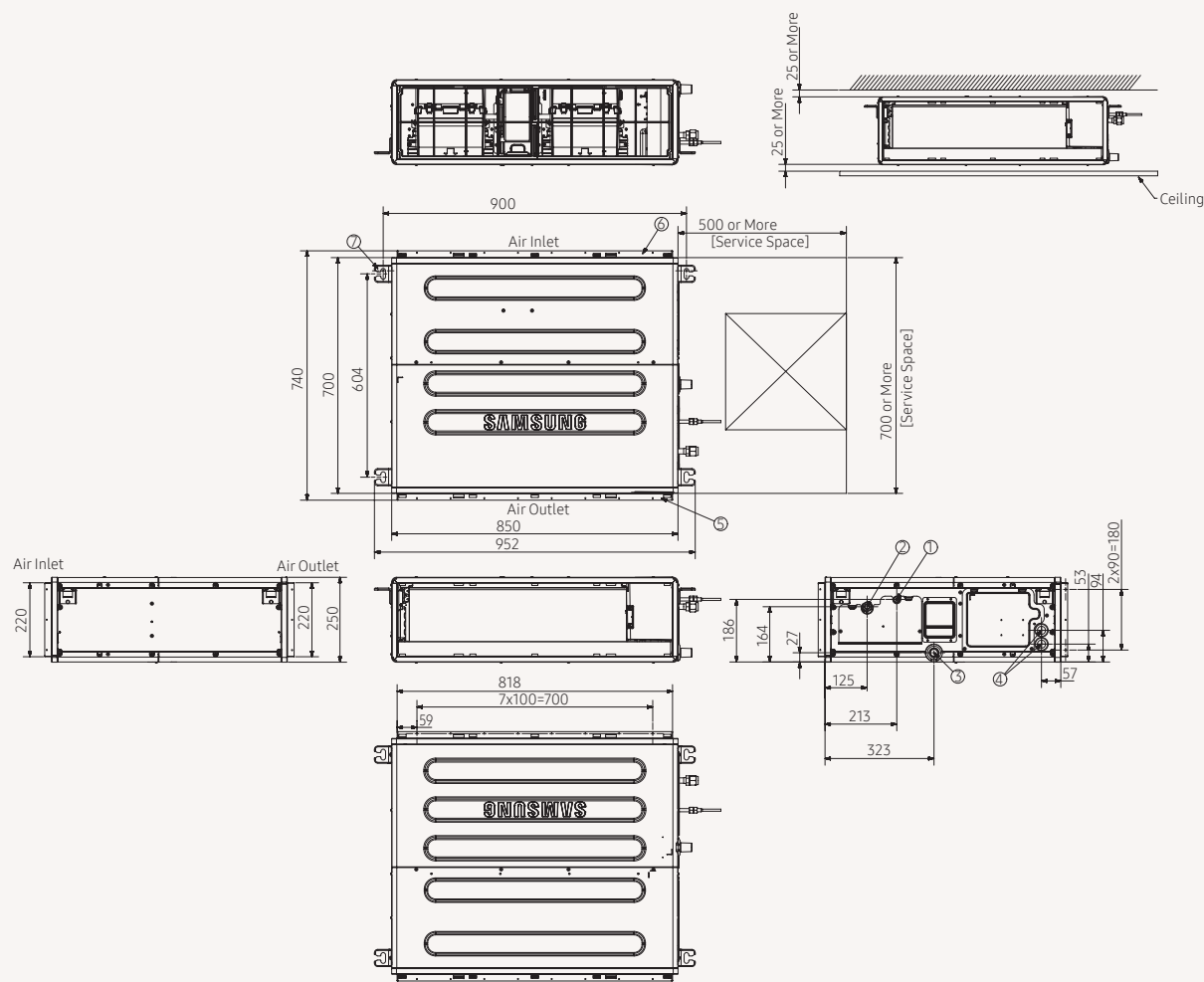


NO	Name	Description
1	Gas pipe connection	Φ12.7(1/2)
2	Liquid pipe connection	Φ6.35(1/4)
3	Drain pipe connection	VP-25(OD 32, ID 25)
4	Knockout hole for Drain pump	Option kit
5	Power supply & Communication wiring conduit	-
6	Air outlet duct flange	-

Dimensional Drawings

TDM Plus MSP Duct

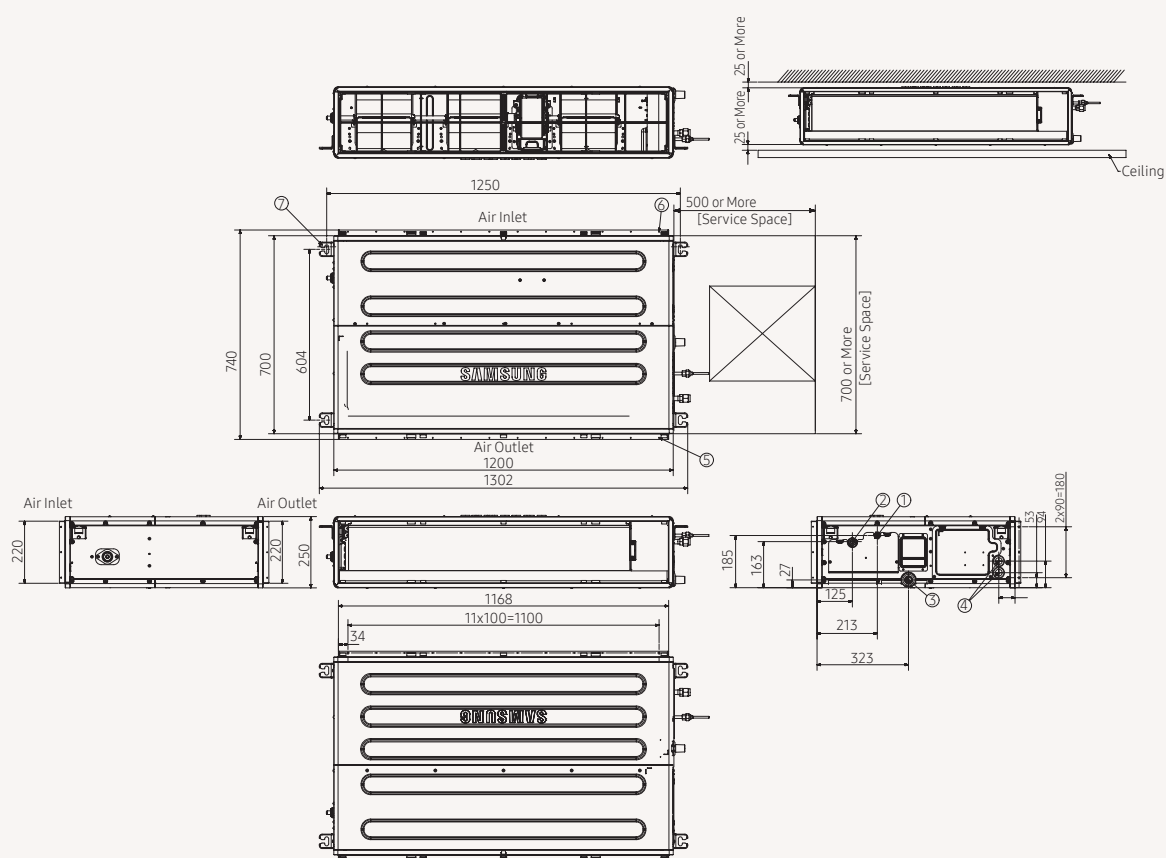
AE071MNMPEH/EU



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)

TDM Plus MSP Duct

AE090MNMPEH/EU

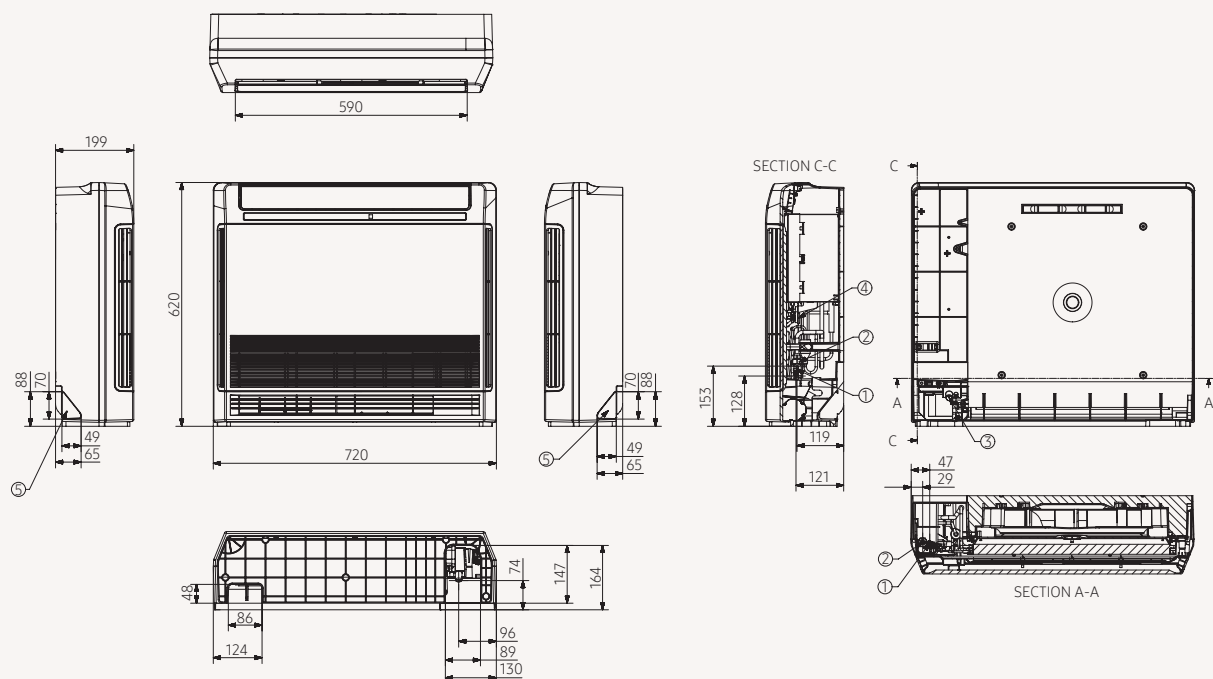


NO	Name	Description
1	Liquid pipe connection	Φ9.52(3/8)
2	Gas pipe connection	Φ15.88(5/8)
3	Drain pipe connection	VP-25(OD 32, ID 25)
4	Power supply & Communication wiring conduit	-
5	Air suction flange	-
6	Air discharge flange	-
7	Hook	Use M8-M10 bolt(4ea)

Dimensional Drawings

TDM Plus Console

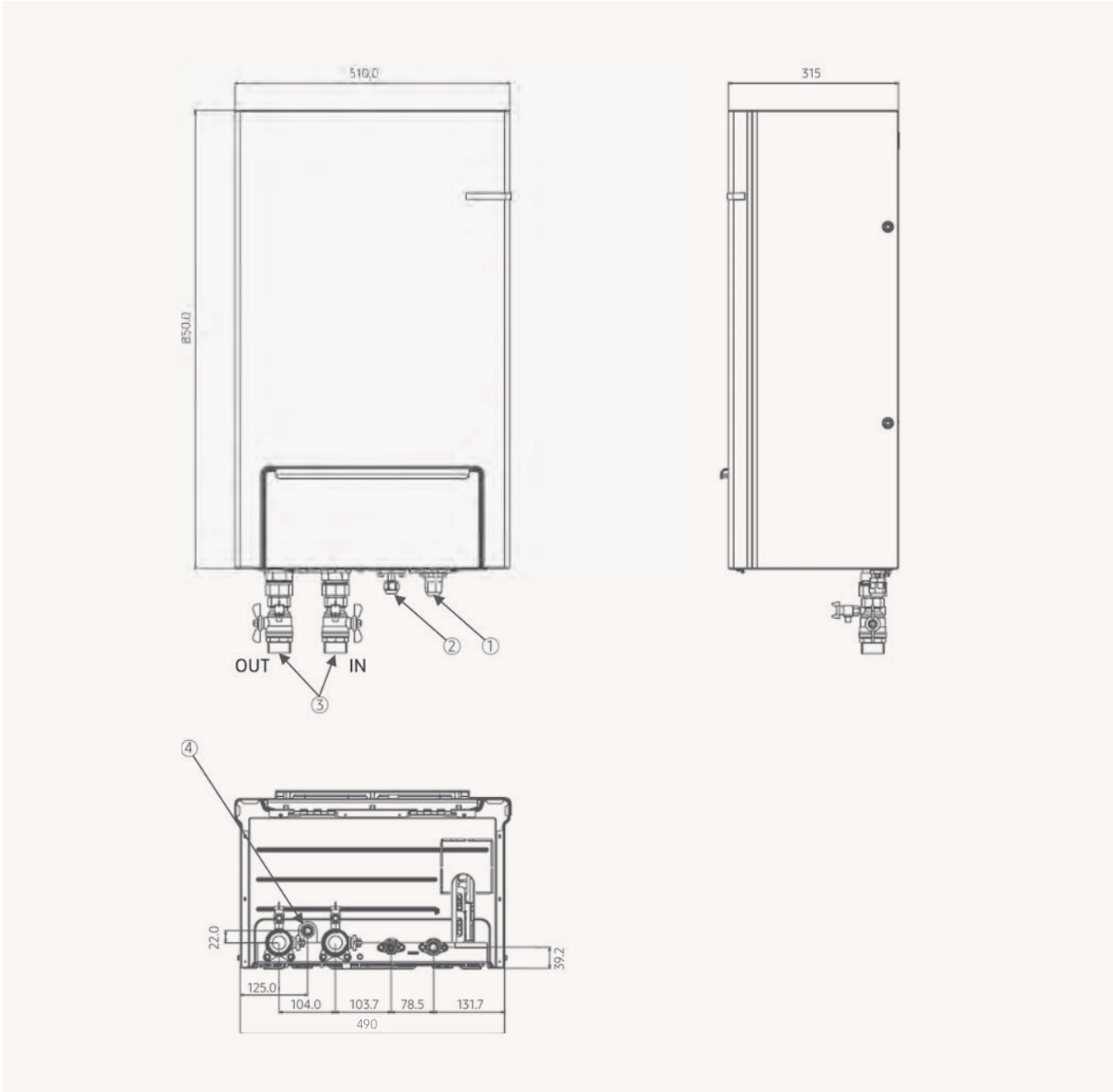
AE022/028/036/056MNJDEH/EU



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	-

Wall-Mounted Hydro Unit

AE090/160MNYD*H/EU



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	