

SAMSUNG

EHS ClimateHub TDM Plus (R410A) NEW!

- All in one air-to-water and air-to-air system
- Compact unit size with large water tank (200L & 260L)
- Intuitive, colour screen touch controller in multiple languages
- Energy monitoring through touch controller
- Smooth servicing through the front-mounted service window



Indoor Unit				AE200TNWTEH/EU	AE200TNWTEH/EU	AE200TNWTEH/EU	AE200TNWTEH/EU	AE260TNWTEH/EU	AE260TNWTEH/EU	AE260TNWTEH/EU	AE260TNWTEH/EU	AE260TNWTEH/EU	AE260TNWTEH/EU	AE260TNWTEH/EU	AE260TNWTEH/EU	
Outdoor Unit				AE044MXTPEH/EU	AE066MXTPEH/EU	AE090MXTPEH/EU	AE090MXTPGH/EU	AE044MXTPEH/EU	AE066MXTPEH/EU	AE090MXTPEH/EU	AE120MXTPEH/EU	AE160MXTPEH/EU	AE090MXTPGH/EU	AE120MXTPGH/EU	AE160MXTPGH/EU	
Controller				MWR-WW10N	MWR-WW10N	MWR-WW10N	MWR-WW10N	MWR-WW10N	MWR-WW10N	MWR-WW10N	MWR-WW10N	MWR-WW10N	MWR-WW10N	MWR-WW10N	MWR-WW10N	
System																
Operation	Nominal Capacity	Heating A7/W35 ¹ / A7/W55 ¹	W	4400/ 3830	6600/ 4800	9000/ 7660	9000/ 7660	4400/ 3830	6600/ 4800	9000/ 7660	12000/ 10720	16000/ 14600	9000/ 7660	12000/ 10720	16000/ 14600	
		Cooling A35/W18 ¹	W	5.100	6.700	8.000	8.000	5.100	6.700	8.000	12.000	14.500	8.000	12.000	14.500	
	Power Input (Nominal)	Heating A7/W35 ¹ / A7/W55 ¹	W	930/ 1370	1470/ 1850	2120/ 2820	2120/ 2820	930/ 1370	1470/ 1850	2120/ 2820	2720/ 3910	3950/ 5320	2120/ 2820	2720/ 3910	3950/ 5320	
		Cooling A35/W18 ¹	W	1.030	1.480	1.850	1.860	1.030	1.480	1.850	2.900	3.840	1.860	2.900	3.840	
	COP (Nominal Heating) A7/W35 ¹ / A7/W55 ¹		WW	4.73	4.49	4.25	4.25	4.73	4.49	4.25	4.41	4.05	4.25	4.41	4.05	
	EER (Nominal Cooling) A35/W18 ¹		WW	4.95	4.53	4.32	4.30	4.95	4.53	4.32	4.14	3.78	4.30	4.14	3.78	
	SCOP LWT 35°C/ 55°C		WW	4.42	4.42	4.42	4.45	4.42	4.42	4.42	4.66	4.63	4.45	4.66	4.63	
	Seasonal space heating enr. efficiency $\eta_{s,LWT}$ 35°C/ 55°C		ETA%	174/ 110	173/ 115	174/ 117	175/ 111	174/ 110	173/ 115	174/ 117	186/ 117	185/ 122	175/ 111	186/ 117	185/ 122	
	Average Seasonal space heating eff. class ** LWT 35°C/ 55°C		-	A+++/A+	A+++/A+	A+++/A+	A+++/A+	A+++/A+	A+++/A+	A+++/A+	A+++/A+	A+++/A+	A+++/A+	A+++/A+	A+++/A+	A+++/A+
	Current	MCA	A	18,00	20,00	22,00	10,00	18,00	20,00	22,00	28,00	32,00	10,00	10,00	12,00	
		MFA	A	25,00	25,00	27,50	16,10	25,00	25,00	27,50	35,00	40,00	16,10	16,10	16,10	
	Maximum allowable IDU connections (Hydro A2W unit not included)	Max. number of IDU	EA	2	3	4	4	2	3	4	5	7	4	5	7	
		Total capacity Min. (Cooling)	kW	2,20	3,30	4,50	4,50	2,20	3,30	4,50	6,00	7,70	4,50	6,00	7,70	
		Total capacity Min. (Cooling)	kW	4,40	6,60	9,00	9,00	4,40	6,60	9,00	12,10	15,40	9,00	12,10	15,40	
		Leaving Water Temperature	Heating	°C	15-55	15-55	15-55	15-55	15-55	15-55	15-55	15-55	15-55	15-55	15-55	15-55
	Functions															
Smart Grid Ready		-	•	•	•	•	•	•	•	•	•	•	•	•		
PV Enabled		-	•	•	•	•	•	•	•	•	•	•	•	•		
2-Zone Control		-	•	•	•	•	•	•	•	•	•	•	•	•	•	
Tank Integrated Hydro Unit																
Power Supply				Φ , μ , V, Hz	1 Φ , 2, 220-240V, 50Hz	1 Φ , 2, 220-240V, 50Hz	1 Φ , 2, 220-240V, 50Hz	1 Φ , 2, 220-240V, 50Hz	1 Φ , 2, 220-240V, 50Hz	1 Φ , 2, 220-240V, 50Hz	1 Φ , 2, 220-240V, 50Hz	1 Φ , 2, 220-240V, 50Hz	3 Φ , 4, 380-415V, 50Hz	1 Φ , 2, 220-240V, 50Hz	3 Φ , 4, 380-415V, 50Hz	
Water Tank Volume				litres	200	200	200	200	260	260	260	260	260	260	260	
Declared Load Profile				L/XL	L	L	L	L	XL	XL	XL	XL	XL	XL	XL	
Average water heating efficiency η_{wh}				ETA%	115	115	115	115	105	105	105	95	95	105	95	
Average Energy Efficiency Class				-	A+	A+	A+	A+	A	A	A	A	A	A	A	
Sound	Sound Pressure ¹⁾	Heating Std	dB(A)	29	29	29	29	29	29	29	29	29	29	29	29	
		Cooling Std	dB(A)	29	29	29	29	29	29	29	29	29	29	29	29	
	Sound Power	Heating Std	dB(A)	43	43	43	43	43	43	43	43	43	43	43	43	
Dimensions	Net Weight		kg	137	137	137	137	147	147	147	147	147	147	147	147	
	Net Dimensions (WxHxD)		mm	595x1800x700	595x1800x700	595x1800x700	595x1800x700	595x1800x700	595x1800x700	595x1800x700	595x1800x700	595x1800x700	595x1800x700	595x1800x700	595x1800x700	
Outdoor Unit																
Power Supply				Φ , V, Hz	1 Φ , 2, 220-240V, 50Hz	1 Φ , 2, 220-240V, 50Hz	1 Φ , 2, 220-240V, 50Hz	3 Φ , 4, 380-415V, 50Hz	1 Φ , 2, 220-240V, 50Hz	1 Φ , 2, 220-240V, 50Hz	1 Φ , 2, 220-240V, 50Hz	1 Φ , 2, 220-240V, 50Hz	3 Φ , 4, 380-415V, 50Hz	1 Φ , 2, 220-240V, 50Hz	3 Φ , 4, 380-415V, 50Hz	
Compressor	Type			-	Rotary Comp	Rotary Comp	Rotary Comp	Rotary Comp	Rotary Comp	Rotary Comp	Rotary Comp	Rotary Comp	Rotary Comp	Rotary Comp	Rotary Comp	
Sound	Sound Pressure 2)	Heating Std	dB(A)	47	48	51	51	47	48	51	52	55	51	52	55	
		Cooling Std	dB(A)	46	47	50	50	46	47	50	51	54	50	51	54	
	Sound Power	Heating Std	dB(A)	65	67	69	69	65	67	69	70	73	69	70	73	
Dimensions	Net Weight		kg	61.0	61.0	74.0	76.0	61.0	61.0	74.0	107.0	107.0	76.0	107.0	107.0	
	Net Dimensions (WxHxD)		mm	880 x 793 x 310	880 x 793 x 310	940 x 998 x 330	940 x 998 x 330	880 x 793 x 310	880 x 793 x 310	940 x 998 x 330	940 x 1,420 x 330	940 x 1,420 x 330	940 x 998 x 330	940 x 1,420 x 330	940 x 1,420 x 330	
Refrigerant	Type		-	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	
				These products contain R410A (GWP=2.088) which is fluorinated greenhouse gas.												
	Factory Charging		kg	5.43	5.43	5.01	5.01	5.43	5.43	5.01	7.31	7.31	5.01	7.31	7.31	
Piping	Piping Connections	Liquid Pipe	Φ , mm (inch)	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")	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")	15.88 (5/8")	15.88 (5/8")	15.88 (5/8")	15.88 (5/8")	15.88 (5/8")	15.88 (5/8")	15.88 (5/8")	15.88 (5/8")	
	Piping length (ODU-IDU)	Max. [Equiv.]	m	30	30	30	30	30	30	30	70	70	30	70	70	
	Level difference (IDU-IDU)	Max.	m	20	20	20	20	20	20	20	30	30	20	30	30	
	Chargeless length		m	10	10	10	10	10	10	10	10	10	10	10	10	
Operation	Ambient Temperature A2W	Heating	°C	-25-35	-25-35	-25-35	-25-35	-25-35	-25-35	-25-35	-25-35	-25-35	-25-35	-25-35	-25-35	
		Cooling	°C	10-46	10-46	10-46	10-46	10-46	10-46	10-46	10-46	10-46	10-46	10-46	10-46	
	DHW	°C	-25-43	-25-43	-25-43	-25-43	-25-43	-25-43	-25-43	-25-43	-25-43	-25-43	-25-43	-25-43	-25-43	
Operation	Ambient Temperature A2A	Heating	°C	-25-24	-25-24	-25-24	-25-24	-25-24	-25-24	-25-24	-25-24	-25-24	-25-24	-25-24	-25-24	
		Cooling	°C	10-46	10-46	10-46	10-46	10-46	10-46	10-46	10-46	10-46	10-46	10-46	10-46	

** 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.

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Controls			Accessories			Certifications		
Touch Controller MWR-WW10N	Touch Controller MCM-A300N	DM52.5 MIM-D01AN	Wi-Fi Kit MIM-H04EN	External Thermostat MWR-TA	Backup Heater (4/GAW) MHC-00FE	HP Keymark	Eurovent	