SAMSUNG

2020 EHS highlights

Samsung heat pump



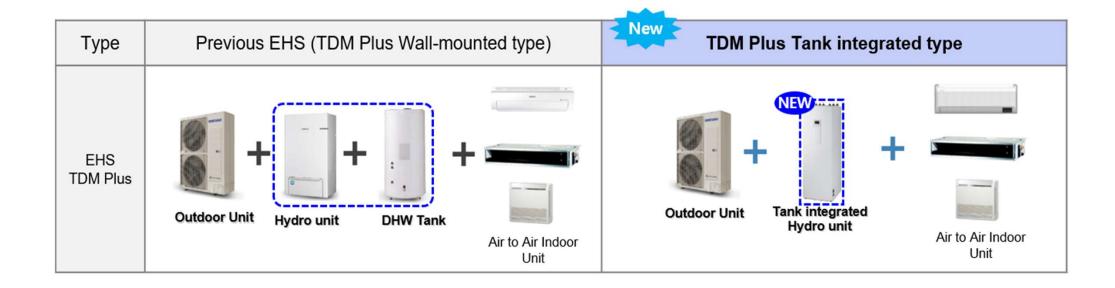
Portfolio

What is SPLIT EHS?

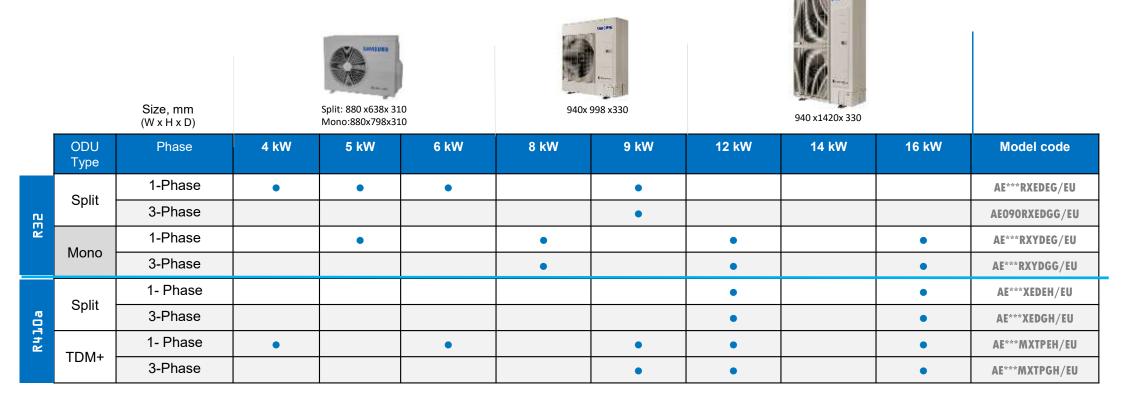
What is MONO EHS?

Туре	Previous EHS (Split, Mono)	Tank integrated EHS				
Split	Outdoor Unit Hydro Unit PHE DHW Tank	Outdoor Unit Tank integrated Hydro unit Tank integrated Hydro unit				
Mono	Outdoor Unit Control Kit Components of water piping Components of water piping	Outdoor Unit Tank integrated Hydro unit				

What is TDM PLUS?



EHS 2020 Outdoor Lineup



1-Phase, 220~240V/ 3-Phase, 380~415V

EHS 2020 Indoor Split Lineup

Мо	del	Capacity (kW)	4	6	9	12	14	16		
	ODU	Size (mm, W x H x D)	880 x 6	38 x 310	940 x 998 x 330	940 x 998 x 330 940 x 1,420 x 330				
		lmage		SAMSUNG	Down					
		Elec. Spec. (1Φ)	•	•	•	•	•	•		
Split		Elec. Spec. (3Φ)			•	•	•	•		
	Hydro	lmage								
		Size (mm, W x H x D)			510 x 8	50 x 315				
		Elec. Spec. (1Φ)		9kW 1Ф IDU		16kW 1Ф IDU				
		Elec. Spec. (3Φ)		-	9kW 3Ф IDU		16kW 3Ф IDU			

Hydro water pump

Different pumps for 9kW and 16kW

Flow rates and pressures for pumps nominal are:

9kW: GRUNDFOS UPM3 25-75

26 L/min (minimum 7 for flow switch)

43kPa ESP

16kW: WILO STRATOS PARA 25/1-9

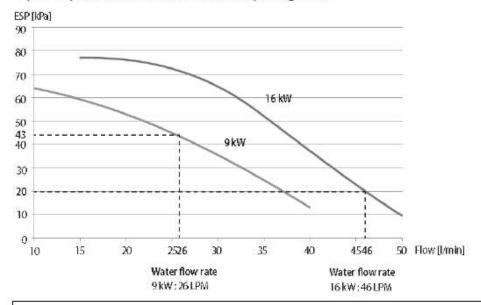
46 l/min (minimum 12 for flow switch)

20kPa ESP

6. Hydraulic Performance

6-1. Water Pump

1) ESP(External Static Pressure) Diagram



The illustration below shows the external static pressure of the unit depending on the water flow and the pump setting. If the pressure loss of total system is over 43(9 kW) or 20(16 kW)kPa, additional water pump should be installed in series. Otherwise, the flow rate might decreased, causing insufficient heating or cooling.

When ESP is not enough, additional pump should be installed. In this case, install the PWM control external type pump additionally.

2020 Product Information Package

SAMSUNG

EHS 2020 Product Lineup - Highlights

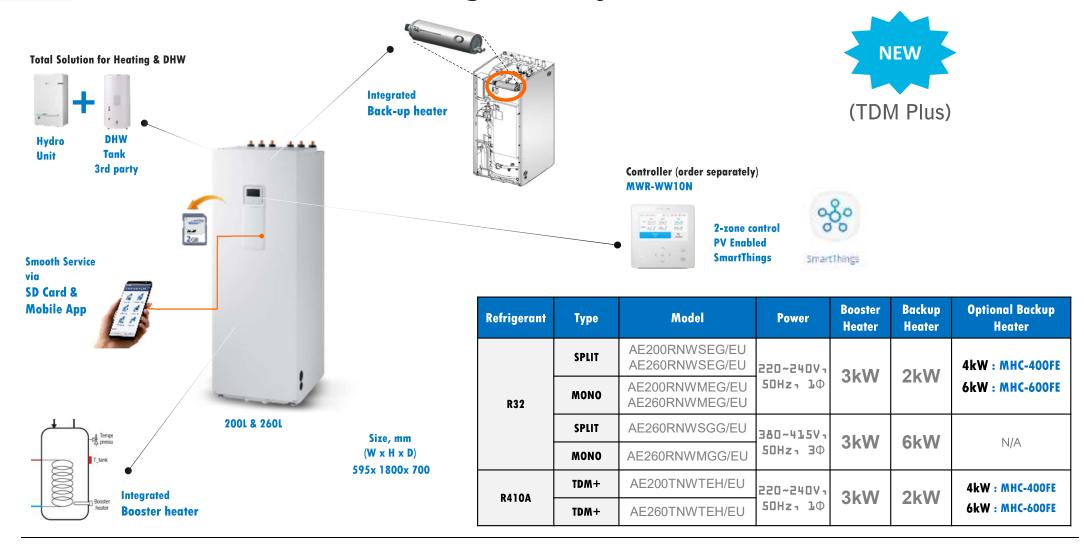


1) Introduction of Tank Integrated Hydro Unit for TDM Plus R410A



- 2) Replacing Triangle RAC wall mount unit with Wind-Free Avant RAC for TDM Plus
- 3) Key features of R32 Split EHS heat pump (4-9kW) with or without integrated tank
- 4) Unique technology of R410A TDM+ EHS heat pumps (4-16kW)
- 5) Mono EHS heat pump for various installer frendly aplication

1) EHS 2020 Tank integrated Hydro Unit



Pump for Climatehub

GRUNDFOS A/S

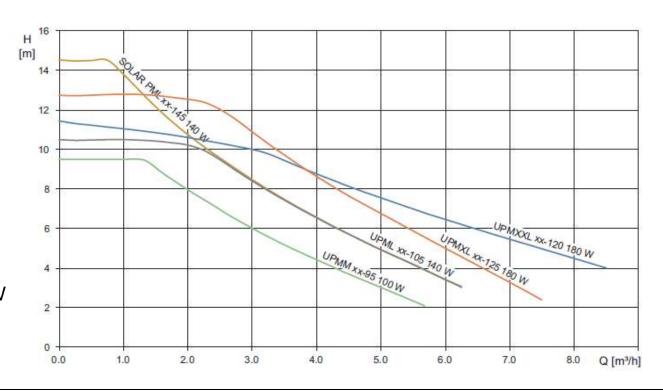
UPMM 25-95 130 (green line)

All ClimateHUB models SPLIT and MONO have the same water pump

Split 200L and 260L

Min water flow 7 L/min (0.42 m3/h), max 48 L/min (2.88 m3/h)

Mono 200L 5kW;8kW
Min water flow 7 L/min (0.42 m3/h)
Mono 200L 12-16kW and 260L 8-16kW
Minimum water flow 12 L/min (0.72 m3/h)



2020 Product Information Package

Nominal water flows for each combination

SPLIT 200L tank and 260L tank (heating / cooling)

4kW: 12.7/14.4 L/min

6kW: 17.3/18.8 L/min

9kW: 26.0/25.1 L/min

MONO 200L tank and 260L tank (heating / cooling)

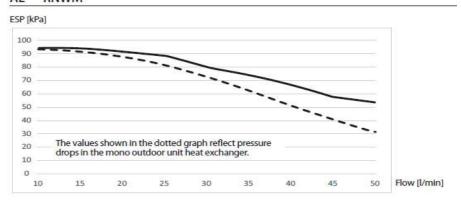
5kW: 14.4/14.4 L/min

8kW: 23.1/21.6 L/min

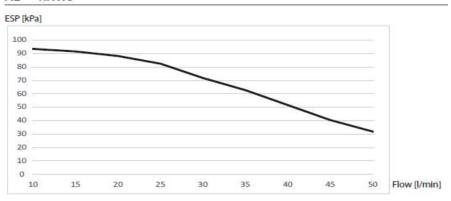
12kW: 34.6/34.6 L/min

16kW: 46.2/40.4 L/min

AE***RNWM**



AE***RNWS**

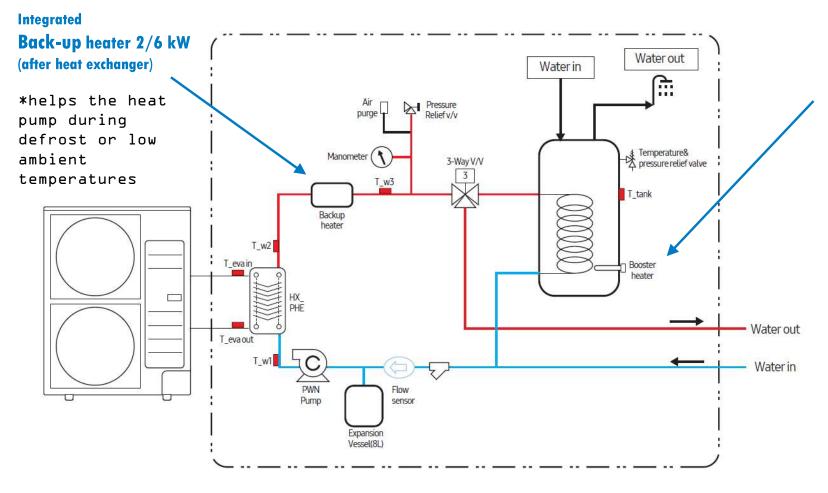


2020 Product Information Package

1) EHS 2020 Tank integrated Hydro Unit – combination table

							C	Outdoor Un	it				
1	уре				220~	240V, 50H	Нz, 1 Ф			3	880~415	v, 50Hz, 3	Φ
			4kW	5kW	6kW	8kW	9kW	12kW	16kW	8kW	9kW	12kW	16kW
	200L	1Ф	•				•						
SPLIT	260L	1Ф	•				•						
		3Ф									•		
	200L	1Ф		•		•		•	•				
MONO	260L	1Ф				•		•	•				
		3Ф								•		•	•
TDM+	200L	1Ф	•		•		•				•		
TUMT	260L	1Ф	•		•		•	•	•		•	•	•

1) EHS 2020 Tank integrated Hydro Unit – electrical heaters



Integrated Booster heater 3kW (inside the tank)

*enables the heat pump unit to heat DHW even when there is a malfunction on integrated pump for water circulation and for periodic disinfection (up to 70°C)

Details about setup of electric heaters are listed in Appendix L at the end of this document <u>EHS</u> <u>Field setting</u> <u>values for</u> <u>electric heaters</u>

Backup Heater Control logic (Generic)

There are modes for backup heater operation. (defrost reliability, compressor operation reliability [heating mode], heating assist)

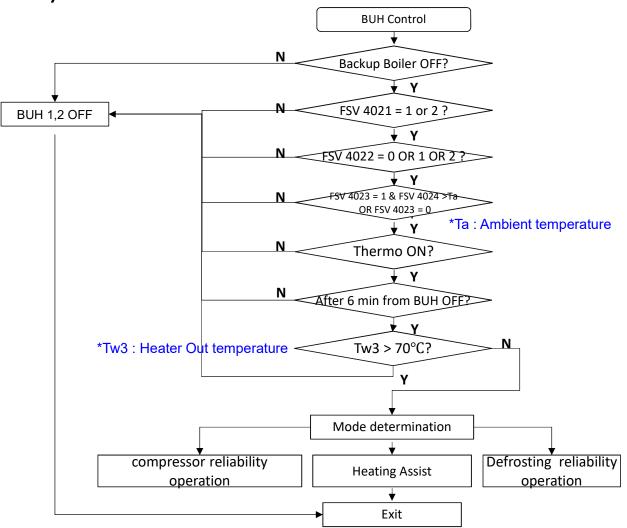
*FSV #4021(Default 0[NO])

*FSV #4022(Default 0 [BOTH] → wall-mounted type

Default 2 [BSH] → Tank integrated type)

*FSV #4023(Default 1[YES])

*FSV #4024(Default 0))



Booster Heater Control logic (DHW Tank)

BSH on

Booster Heater DHW Control According to the user's DHW mode selection, N (DHW Tank Uninstalled) FSV #3011 = 1 or 2? the delay time of booster heater operation changes or not. N (BSH is not used) FSV #3031 = 1? *FSV #3011(Default 0[NO] → wall-mounted type Default 1[YES] → Tank integrated type) Ν *FSV #3031(Default 1[YES]) DHW SW on? *FSV#3061(Default 0[NO]) *FSV#3032(Default 20) Ν DHW Thermo on ? *FSV#4022 (Default 0[BOTH] → wall-mounted type Default 2[BSH] → Tank integrated type) FSV #3061 = 0? ▼ N (Solar input) DHW mode determination Ν Solar input = High? Power mode Saving mode Standard DHW Thermo on Ν duration ≥ # 3032 2 FSV #4022 = 1? Ν Y (BUH Priority)

BUH on?

BSH off

2) TDM+ Wall-Mounted Wind-Free Avant



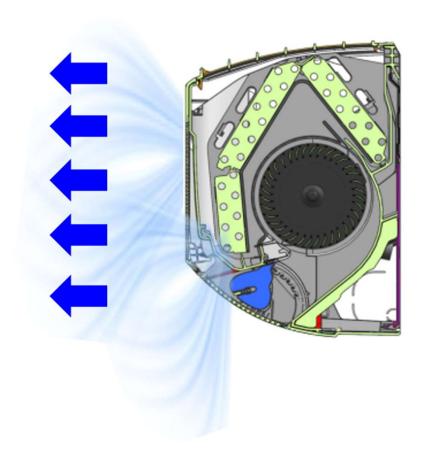
'Designed by Thoughtfulness'

Wind-Free[™] Cooling

✓ Disperses air through 23,000 micro holes to deliver comfortable cooling with capacities 2.2/2.8/3.6/5.6/7.1 kW

NASA communication protocol

✓ NASA communication system can connect wired remote controller, central control system





3) 2020 Key features of R32 Split EHS heat pump

a) Complete R32 Lineup - Mono 5-16kW, Split 4-9 kW, Wall-Mounted Hydro Unit, Tank Integrated Hydro Unit, Mono Control Kit





b) Top Class Energy Efficiency - Average SCOP for R32 lineup LWT 35°C/55°C is A+++/A++

c) 4-step Quiet Mode - Available in Split 6 kW & 9KW R32 model codes, sound pressure level can be set down to 35 dB(A) for quiet night operation





d) Compact Tank Integrated Hydro Unit - Available for Mono & Split & TDM+ ODU with 2 different options 200L & 260L up to 65°C * leaving water temperature. In case of ODU malfunction, continuous heating is guaranteed with integrated back-up (2, 4 or 6kW) and booster heater (3kW inside the tank)

e) User-friendly 2-zone controller with SmartThings - Controller enables users to manage different temperature settings per zone. The controller has termometer integrated and also can be connected to 3rd party additional termometer. Using the optional Wi-Fi Kit, the different aspects of the system can be controlled through the Samsung SmartThings App on your smartphone * *





^{* 65°}C down to +10°C (max. 60°C down to -5°C)

EHS R32

a) Complete R32 Line up



Properties of R32:

Class: HFC GWP: 675 ODP: 0

Critical temperature: 78.11°C*

Safety group: A2L**

Oil: POE

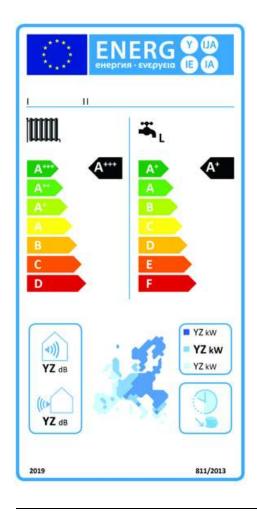
* critical temperature represents teoretical maximum temperature which can be present in refrigerant cycle

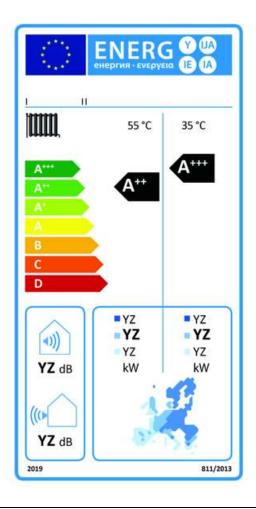
** safety group of A2L indicates mild flammability of R32 which is why this refrigerant has restrictions in use on bigger systems (refer to EN378 norm and Appendix 3 of the document Flammability restrictions by EN378)

Since R32 is flammable, quantity of refrigerant charge is limited inside heating/cooling system (dependable on smallest indoor conditioned room). Because of that Samsung is keeping R410A heat pumps for larger systems (12-16kW) and for TDM+



b) Top Class Energy Efficiency





Two types of energy labels:

- 1. for heating and DHW (on the left)
- 2. for high and low temperature heating (on the right)

Туре		SPLIT R32	2	MONO R32					
Capacity	4 kW	6 kW	9 kW	5 kW	8 kW	12 kW	16 kW		
SCOP	4.58	4.58	4.45	4.46	4.44	4.69	4.48		
Energy label	A+++	A+++	A+++	A+++	A+++	A+++	A+++		

EHS R32 c) 4-step Quiet Mode

Adjustable, 4-step, low-noise operation

Makes less noise when you need to, so it doesn't disturb you or your neighbors. The 4-Step Quiet Mode enables adjustable low-noise operation to meet strict sound level requirements*. Simply select from four different steps to reduce the sound level by 3dB, 5dB, 7dB* or keep it as low as 35dB(A)*.

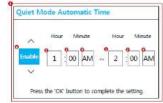


*Based on internal testing of the 6kW and 9kW SPLIT outdoor units (AE060RXEDEG, AE090RXEDEG, AEO90RXEDGG). The noise level is measured 3m away from the front of the outdoor unit, in an anechoic room with an outside temperature of 7°C. Results may vary depending on the model (capacity), environmental factors and individual use.

How to enter default (4th step) silent mode (*Priority : 1 > 2 > 3)

1. Enter quiet mode automatically by wired remote controller (schedule)





2. Enter quiet mode by signal of external contact



3. Enter quiet mode manually by wired remote controller





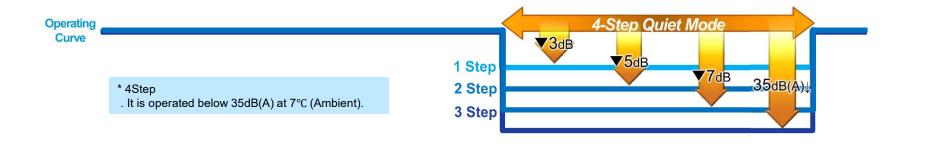
EHS R32 c) 4-step Quiet Mode - setup



Setting the option switch for function of low noise

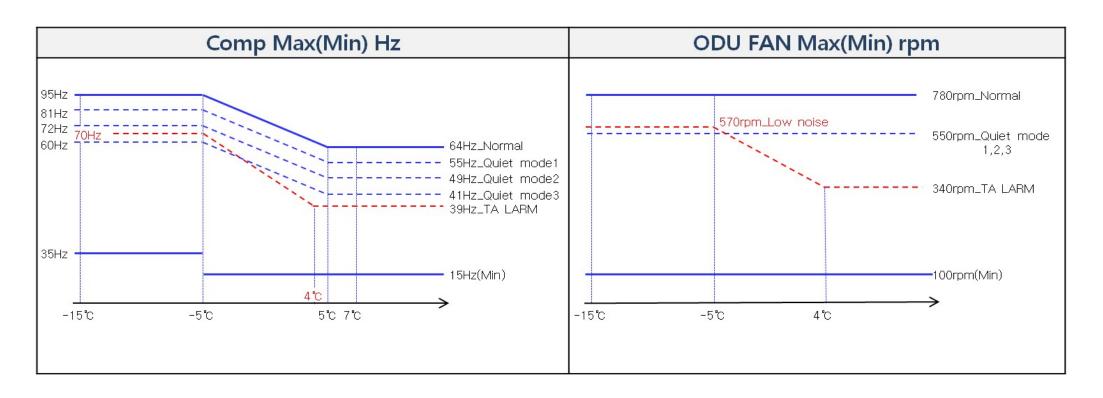
- 1. Press the K2 switch for 2 seconds, only if compressor stop.
- 2. Press the **K1** switch shortly to change the **option number** (SEG1, SEG2)
- 3. Press the **K2** switch shortly to change the **option value** (SEG3, SEG4)
- 4. Press the **K2** switch for <u>2 seconds</u> to store the changed option

Option	Input unit	SEG1	SEG2	SEG3	SEG4	Function of the option
				0	0	Manual Silent mode (-3 dB)
				0	1	Manual Silent mode * 0.9 (-5 dB)
Silent mode	Main	0	4	0	2	Manual Silent mode * 0.75 (-7 dB)
				0	3	Manual Silent mode (-3 dB)
				0	4	Low-noise Silent mode (default)

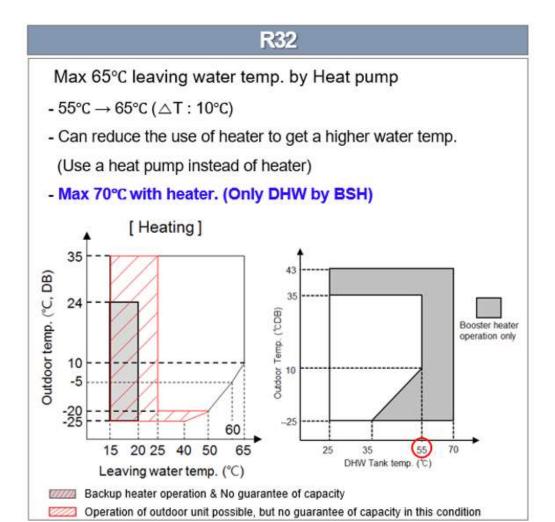


EHS R32 c) 4-step Quiet Mode - properties

- Example of Operation Hz & RPM for Split 9kW quiet modes



d) Compact Tank Integrated Hydro Unit



Temperature graph:

- leaving temperature from heat pump and temperatures inside water tank strongly depend on outdoor temperatures that are below -10°C
- if temperatures are above -10°C, we have the following temperatures:

DHW temperature: 55°C

Heating LWT: 65°C

Advantages for tank integrated:

- 1. Backup heater 2-6kW
- 2. Booster heater 3kW
- 3. SmartThings WiFi connectivity
- 4. 260l biggest tank

EHS R32

e) User-friendly 2-zone controller with

(Wi-Fi kit)



Convenient and intuitively easy control

New Wired Remote Control

Monitor and adjust the conditions in your home quickly and intuitively.

A new Wired Remote Control has a large and bright color display, touch control and a choice of languages*. It can be installed in your preferred location and allows you to use different temperature settings in each zone. For controlling 2 zones, we can use additional temperature senzor or additional controller

*EN (English)/DE (German)/FR (French)/IT (Italian)/ES (Spanish)/PL (Polish)

Remote control with a smartphone – requires Wi-Fi kit

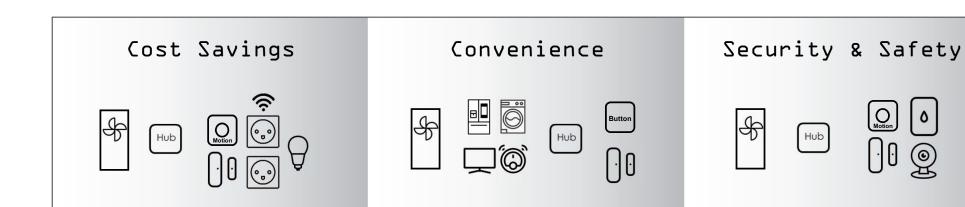
Control your Samsung EHS on the go. Smart Connectivity lets you turn it on/off anytime and anywhere using the SmartThings App*. Thanks to the touch controller, you can control the mode and settings, schedule it to start/stop, monitor energy use, adjust summer time settings and identify errors.

Detail WiFi kit aplication and access to SmartThings features is presented in Appendix 2 of this document <u>Description of Wi-Fi kit: MIM-H04EN and SmartThings features</u>





* Available on iPhones and Android devices. A network connection is required. Samsung application account is necessary.



🗱 SmartThings

Global IoT Platform/Cloud/App



List of Samsung product connectable to SmartThings

TVs

All 2020 models have WiFi

Washers

WW10M86INOA/LE - Q-Drive WW90M741NOA/LE - Q-Drive WW90M644OPX/LE - Q-Drive WW80M644OPW/LE - Q-Drive WW70M644OPW/LE - Q-Drive WW10N644RPW/LE - Add-wash

Combo (washer / dryer)

WD90N644OOW/LE - Q-Drive

Dryer

DV90N8287AW/LE - Q-Drive matching dryer DV90N62632W/LE - Q-Drive matching dryer DV90N62632X/LE - Q-Drive matching dryer

Refrigerators – blue without dongle

freezer) Wi-Fi Dongle Ready

RS68N8240S9/EF - RS8000 (SBS) Wi-Fi Dongle Ready RS68N8240WW/EF - RS8000 (SBS) Wi-Fi Dongle Ready RS68N8240B1/EF - RS8000 (SBS) Wi-Fi Dongle Ready RS68N8671SL/EF - RS8000 (SBS) Wi-Fi Dongle Ready RT58K7105SL/EO - RT7000 (TMF - Top mount freezer) Wi-Fi Dongle Ready RF50N5970B1/EO - RF5000 (Slim FDR - French door) Wi-Fi Dongle Ready RF50K5920S8/EO - RF5000 (Slim FDR - French door) Wi-Fi Dongle Ready RF23M8090SG/EF - RF8000 (FDR - French door)

BRB260087WW/EF - BRB6000 (Built-in BMF Bottom mount

BRB260176WW/EF - BRB6000 (Built-in BMF Bottom mount freezer) Wi-Fi Dongle Ready BRB260178WW/EF - BRB6000 (Built-in BMF Bottom mount freezer) Wi-Fi Dongle Ready BRB260187WW/EF - BRB6000 (Built-in BMF Bottom mount freezer) Wi-Fi Dongle Ready BRB260189WW/EF - BRB6000 (Built-in BMF Bottom mount freezer) Wi-Fi Dongle Ready

Owen

NV73J9770RS/EO

Hub

NZ64N7757GK/E2

Hood

NK24N9804VB/UR - Autoconnectivity with Cooktop (Bluetooth)

Air Conditioners (only indoor units presented) RAC and FJM

ARO7TXFYAWKNEU;ARO9TXFYAWKNEU;AR12TXFYAWKNEU;AR

18TXFYAWKNEU;AR24TXFYAWKNEU

ARO7TXFCAWKNEU;AR09TXFCAWKNEU;AR12TXFCAWKNEU;A

R18TXFCAWKNEU;AR24TXFCAWKNEU

ARO7TXEAAWKNEU;AR09TXEAAWKNEU;AR12TXEAAWKNEU;A

R18TXEAAWKNEU;AR24TXEAAWKNEU

ARO7TXCAAWKNEU;AR09TXCAAWKNEU;AR12TXCAAWKNEU

EHS – needs WiFi kit MIM-H04EN

AE260RNWMGG/EU;AE200RNWMEG/EU;AE200RNWSEG/EU;

AF260RNWSFG/FU:AF260RNWSGG/FU

AE260RNWMGG/EU;AE200RNWMEG/EU;AE200RNWSEG/EU; AE260RNWSEG/EU;AE260RNWSGG/EU AE090RNYDEG/EU;AE090RNYDGG/EU AE160JNYDEH/EU;AE160MNYDEH/EU;AE160JNYDGH/EU;AE1 60MNYDGH/EU AE090MNYDEH/EU;AE090MNYDGH/EU

DVM - needs WiFi kit MIM-H04EN

All indoor units up to 16 pcs per WiFi kit and per system CAC – needs WiFi kit MIM-H04EN

All indoor units up to 16 pcs per WiFi kit and per system

Robot vacuums

VR9000H VR7000M VR7200R VM5000RM

Dishwasher

Smart HUB

Due to come end of the year

SmartThings devices

Smart plug Smart bulb Smart outlet Water leak sensor Tracker Arrival sensor Motion sensor Multipurpose sensor Water leak sensor Smart Cam Smart Button

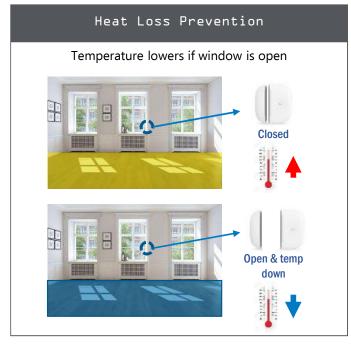
3rd party - 2200+ Devices, 177 Brands

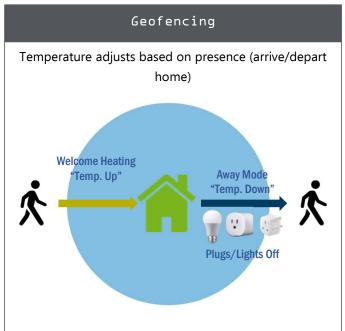
(As of Feb 2020)

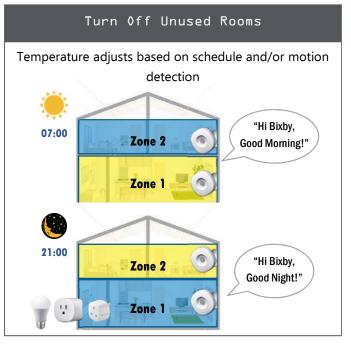


Cost Savings



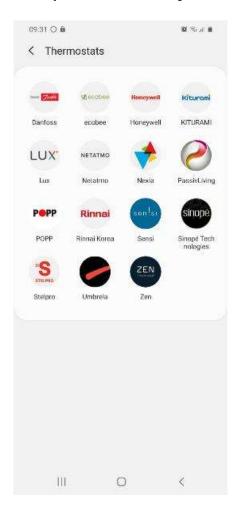




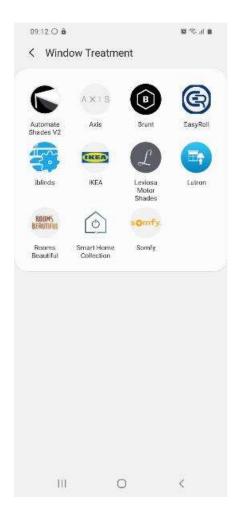


Cost Savings

Complementary 3rd Party Products (WWST)





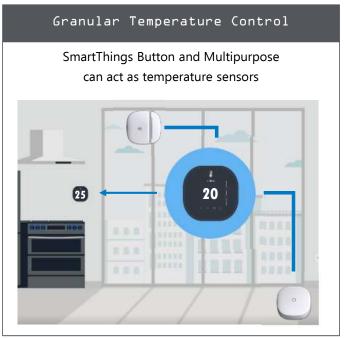


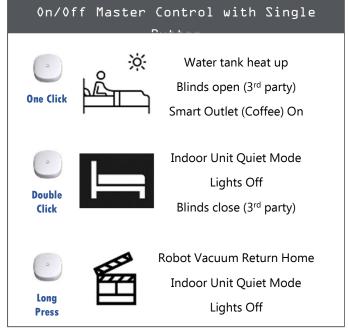


Convenience







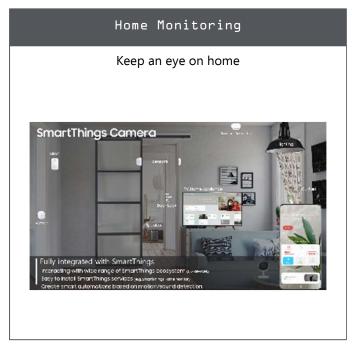


Home Security & Safety







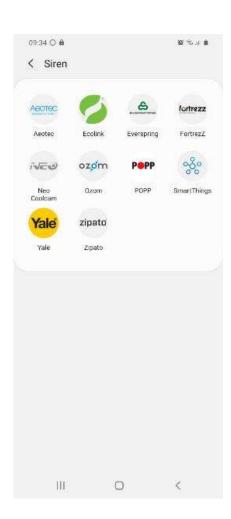


Home Security & Safety

Complementary 3rd Party Products (WWST)







Services Home Security & Protection

SmartThings Video

Event triggered video recording (Cloud storage)
On-demand live stream viewing



SmartThings Home Monitor

Easy to setup home monitor Intrusion/Water leak/Smoke monitor



SmartThings Home Monitor Pro

24/7 professional home monitoring Guard dispatch, Panic button



Bixby voice commands for EHS

	Eng. (Alt1.)	Eng. (Alt2.)		
	Turn off EHS	Turn off air-to-water heat pump		
	Turn on the Hot-Water of EHS	Turn on the Hot-water		
	Turn off the Hot-Water of EHS	Turn off the Hot-water		
	Set the temperature of EHS to 25°C			
	Set the Hot-Water temp of EHS to 50°C	Set the Hot-water to 50C		
	Set the mode of EHS to Cooling	Set to Cooling		
	Set the mode of EHS to Heating	Set to Heating		
	Set the mode of EHS to Auto	Set to Auto		
	Set the mode of EHS to Dry	Set to Dry		
EHS (Eco Heating System)	Set the mode of EHS to Fan	Set to Fan		
EHS (Eco Heating System)	Set the mode of EHS to Standard	Set to Standard		
	Set the mode of EHS to Power	Set to Power		
	Set the mode of EHS to Forced	Set to Force		
	Set the mode of EHS to Economic	Set to Economic		
	Set the mode of EHS to Goint Out	Set to Going Out		
	Cancel the Going Out in the EHS	Cancel Going Out or Cancel Going Out mode		
	Check the temp of Hot-water for EHS			
	Check the mode of Hot-Water for EHS			
	Check the temp of Cooling/Heating for EHS			
	Check the mode of EHS	check the mode of the air-to-water heat pump		



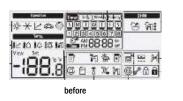
e) User-friendly 2-zone controller with SmartThings (Wi-Fi kit)



color graphic 4.3

TFT Color LCD Display

Provides required screen/Icon to improve visibility Intuitive UI





Simplified Design & Control

From button control to navigation control



Shows additional Information

Display of indoor model number All of Errors display

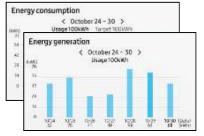


^{*} Available on iPhones and Android devices. A network connection is required. Samsung application account is necessary.

Energy Saving mode & Monitoring of Energy consumption

Available with EHS R32

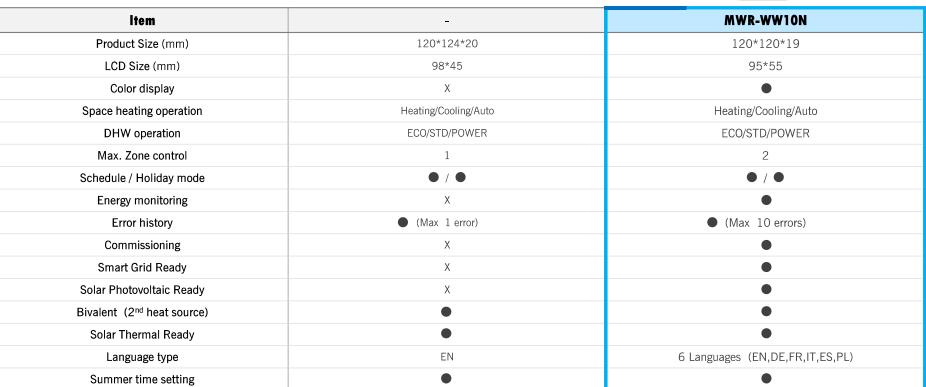






EHS R32 e) User-friendly 2-zone controller with SmartThings (Wi-Fi kit)





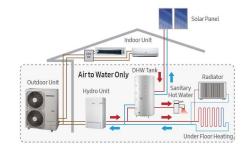


4) 2020 Unique technology of R410A TDM+ and Split EHS

a) Complete R410A Lineup - Split 12-16 kW, TDM + 4-16kW, Wall-Mounted Hydro Unit, Tank Integrated Hydro Unit, wall mounted RAC, ducted and console units



b) Leading piping lengths - up to 70 meters pipe length when selecting TDM+ which can be mounted even in Split version with only hydro unit inside



c) TDM Plus - unique Samsung solution with hydro units plus indoor units (wall mount / ducted / console) all connected to one outdoor unit



d) Compact Tank Integrated Hydro Unit - Available for Mono & Split & TDM+ ODU with 2 different options 200L & 260L up to 55°C * leaving water temperature. In case of ODU malfunction, continuous heating is guaranteed with integrated back-up (2, 4 or 6kW) and booster heater (3kW inside the tank)

e) User-friendly 2-zone controller with SmartThings



Controller enables users to manage different temperature settings per zone. The controller
has termometer integrated and also can be connected to 3rd party additional termometer. Using
the optional Wi-Fi Kit, the different aspects of the system can be controlled through the
Samsung SmartThings App on your smartphone * *



^{*} 55° C down to -10° C (max. 35° C down to -25° C)

EHS R410A

a) Complete R410A Line up



Properties of R410A:

Class: HFC GWP: **2088****

ODP: 0

Critical temperature: 71.34°C*

Safety group: A1

Oil: POE

* critical temperature represents teoretical maximum temperature which can be present in refrigerant cycle

** Global warming potential of 2088 means this refrigerant will be banned in EU for small AC systems (less than 3kg) by Y2025

Since R32 is flammable, quantity of refrigerant charge is limited inside heating/cooling system (dependable on smallest indoor conditioned room). Because of that Samsung is keeping R410A heat pumps for larger systems (12-16kW) and for TDM+

AE120/160MXTPXH

EHS R410A b) Leading piping lengths

Using only Y-joint Using EEV kit

Outdoor unit B C D H H H H H H H H H H H H H H H H H H	Outdoor unit A B EEV kit h H1
10 10 10 10 10 10 10 10	1 2 3 Hz 4

	Iter	n		Example	Remarks		
Maximum		Longest piping length	Less than 70m	a+b+c+d+e ≤ 70m			
allowable length of pipe	Outdoor unit ~ Indoor units	Equivalent length	Less than 85m	Y-joint and EEV kit : 0.5m			
		Total length	Less than 200m	a+b+c+d+e+f+g+h+i≤200m	10m ≤ Total length ≤ 200m		
Maximum	Outdoor unit ~ Indoor units	Less than 30m		н	If outdoor unit is		
allowable height	Indoor unit ~ Indoor unit	Height difference between indoor units	Less than 15m	H2	located lower positio H1 ≤ 25m		
Maximum allowable length of pipe	First Y-joint ~ Last indoor unit	Actual piping length	Less than 40m	b+c+d+e ≤ 40m (between first Y-joint and indoor unit) h≤20m(between EEV kit and indoor unit)			
Additional refrigerant calculation		R=Basic Charge + Additional charge by the piping length + Additional charge by (A2A)Indoor Basic Charge : Up to 10m When Installing A2W only = 3500g Additional charge by the piping length : 3/8" - 60g/m, 1/4" - 20g/m Additional charge by (A2A)Indoor : Refer to the 113 page 'Amount of additional refrigerant for each indoor unit' table.					

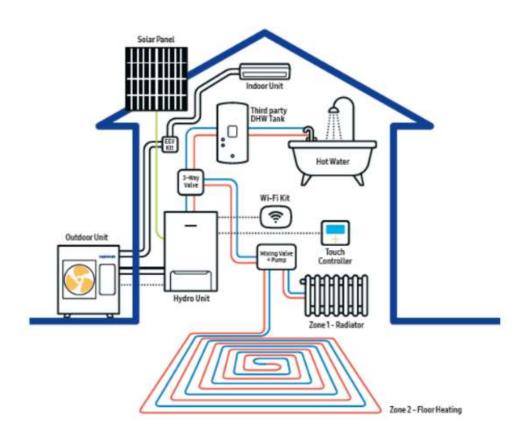
Leading piping lengths for heat pumps:

Total piping lengths for models from 12kW and 16kW is up to 70 meters which can be beneficial when aplication is highrise building or apartment building.

This combination for TDM+ units can also be utilized only in split version of TDM+ by selecting only hydro unit and outdoor unit as combination

EHS R410A C) TDM Plus

TDM Plus



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 air-to-air cooling/heating with various options for air conditioning (console, wall mount or ducted).

What is new for 2020?

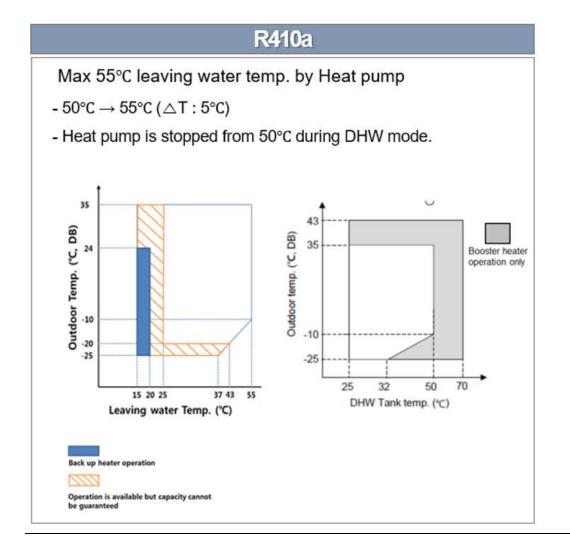
- 1- Tank Integrated Hydro Unit
- 2- Wall-mounted RAC Wind-Free

EHS R410A c) TDM Plus - Indoor Line up

Capacit	y (kW)	Picture	2.2	2.8	3.6	5.6	7.1	9.0	16.0	Model Code
Wall-	1-Phase							•	•	AE***MNYDEH/EU
Mounted Hydro Unit	3-Phase	•						•	•	AE***MNYDGH/EU
Wall	A3050 (Good1) *Without EEV	a 7 1	•	•	•	•	•			AE***MNADEH/EU
Mount RAC NEW	Wind-Free Avant QMD *Without EEV	RTS W20	•	•	•	•	•			AE***TNXDE H /EU
Duet	Slim Duct		•	•	•	•				AE***MNLDEH/EU
Duct	MSP Duct (Duct S)						•	•		AE***MNMPEH/EU
Console	Console		•	•	•	•				AE***MNJDEH/EU

^{*} For units without EEV there is a need for external EEV kit which can be single or multiple.

EHS R410A d) Compact Tank Integrated Hydro Unit



Temperature graph:

- leaving temperature from heat pump and temperatures inside water tank strongly depend on outdoor temperatures that are below -l∩°C
- if temperatures are above -10°C₁ we have the following tempertures:

DHW temperature: 50°C

Heating LWT: 55°C

Advantages for tank integrated:

- 1. Backup heater 2-6kW
- 2. Booster heater 3kW
- 3. SmartThings WiFi connectivity
- 4. 2601 biggest tank

5) Mono EHS heat pump – installer frendly

In case of outdoor MONO heat pump selection (refrigerant is inside of outdoor unit) there is no limitations with placement of indoor units since water pipes connect indoor and outdoor unit. In this configuration Samsung line up of indoor equipment is:

A. Control kit for connecting required signals to outdoor B. Tank integrated indoor unit which has all neccessary (has flow meter inside)

piping with pump and tank already mounted inside

Size, mm

 $(W \times H \times D)$

only for Mono Mono Control Kit New Color Wired Remocon 2 Zone Control, PV Enable, SG Ready Size, mm Upgraded wire hole for R32 $(W \times H \times D)$ Capacity **Control Kit** Model code 5-16kW MIM-E03CN

				595x 1800x 700
	1-Phase	200L	260L	Model code
R32	Mono	•	•	AE***RNWMEG/EU
R	Split	•	•	AE***RNWSEG/EU
	3-Phase	200L	260L	Model code
32	Mono		•	AE260RNWMGG/E U
R32	Split			AE260RNWSGG/E

Tank integrated Hydro Unit



SAMSUNG

Thank you!

SEACE PM I Samsung Electronics Air Conditioner Europe B.V.

samsung.com/climate

Evert van de Beekstraat 310, 1118 CX Schiphol, P.O. Box 75810, 1118 ZZ Schiphol,Netherlands, T+31 (0)8 81 41 61 00



