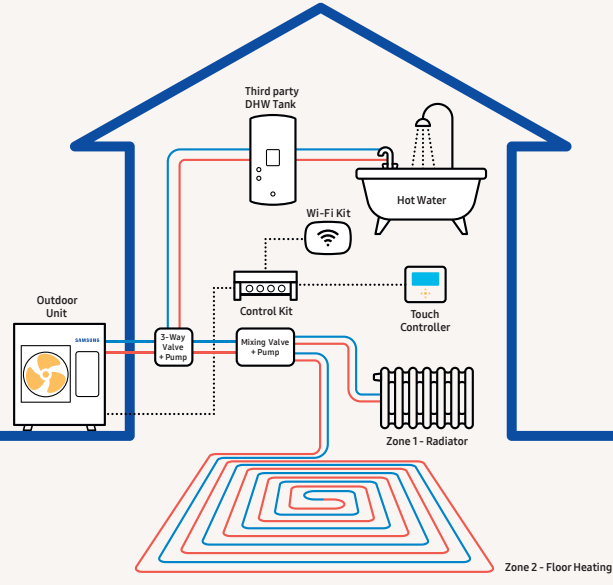


SAMSUNG
Climate Solutions

EHS



EHS Mono R32 – 5kW



Samsung EHS Mono R32 - 5kW

The EHS Mono can be used with the Samsung ClimateHub or connected to third party equipment such as a Domestic Hot Water (DHW) Tank thanks to the Samsung Mono control kit.



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

The SmartThings App can make any home a Smart Home with a simple click. The SmartThings App provides connectivity with the EHS heat pumps, WindFree™ air conditioners and Samsung audio/video appliances and devices through home Wi-Fi.



Specifications

| | | Outdoor Unit | | AE050RXYDEG/EU | |
|----------------|--------------|---|---|----------------------|--------------------------|
| | | Control Kit | | MIM-E03CN | |
| System | Operation | Nominal Capacity | Heating A7/W35 ¹ / A7/W55 ² | kW | 5.0/4.3 |
| | | | Cooling A35/W18 ¹ | kW | 5.0 |
| | | Power Input (Nominal) | Heating A7/W35 ¹ / A7/W55 ² | kW | 1.03/1.52 |
| | | | Cooling A35/W18 ¹ | kW | 1.14 |
| | | COP (Nominal Heating) A7/W35 ¹ / A7/W55 ² | | W/W | 4.85/2.83 |
| | | EER (Nominal Cooling) A35/W18 ¹ | | W/W | 4.39 |
| | | SCOP LWT 35°C/55°C | | W/W | 4.46/3.2 |
| | | Seasonal space heating enr. efficiency η _s LWT 35°C/55°C | | ETA% | 175/125 |
| | | Seasonal space heating eff. class [*] LWT 35°C/55°C | | - | A+++ / A++ |
| | | Current | MCA | A | 16.00 |
| | | | MFA | A | 20.00 |
| | | Leaving Water Temperature ³ | Heating | °C | 15-65 |
| | | | Cooling | °C | 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 | |
| | Compressor | Type | - | BLDC Twin Rotary | |
| | Base Heater | Capacity | kW | - | |
| | Sound | Sound Pressure ⁴ | Heating Std | dB(A) | 45 |
| | | | Cooling Std | dB(A) | 45 |
| | | Sound Power | Heating Std | dB(A) | 61 |
| | Dimensions | Net Weight | kg | 58.5 | |
| | | Net Dimensions (WxHxD) | mm | 880 x 798 x 310 | |
| | Piping | Water Pipe | Inlet/ Outlet | Φ, mm | 25/ 25 |
| | Refrigerant | Type | R32 (Fluorinated greenhouse gas, GWP=675) | | |
| | | Factory Charging | tCO ₂ e | 0.68 | |
| | kg | | 1.00 | | |
| | Operation | Ambient Temperature | Heating | °C | -25-35 |
| | | | Cooling | °C | 10-46 |
| | | | DHW | °C | -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].

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.



PV enabled & Smart Grid Ready

It optimises the self-consumption of electricity produced by photovoltaic panels. Connection is already prepared on the hydronic modules and in the ClimateHub and Samsung EHS systems.

