

**SAMSUNG**  
Climate Solutions

VRF

**SAMSUNG**



**Hydro Unit (HT)**

# Hydro Unit (HT)

- Production of high temperature hot water.
- Hot water production to a maximum temperature of 80 °C.
- Two-way control: leaving water temperature and room temperature control.
- Connectable to Heat Recovery DVM S systems.

## Specifications



Model			AM160TNBFEB/EU	AM160TNBFGB/EU	AM250TNBFEB/EU	AM250TNBFGB/EU
<b>Electrical</b>						
Power Supply	Ø, #, V, Hz		1Ø, 2, 220–240 V, 50 Hz	3Ø, 4, 380–415 V, 50 Hz	1Ø, 2, 220–240 V, 50 Hz	3Ø, 4, 380–415 V, 50 Hz
MCA (including external contact)	A		18.0	16.1	30.0	16.1
MFA	A		25.0	20.0	40.0	20.0
Interconnecting Communication Cable	mm <sup>2</sup>		Screened 0.75-1.5mm <sup>2</sup> , 2 Core, F1 F2 Connection			
<b>Performance<sup>1</sup></b>						
Nominal heating	kW		16.0	16.0	25.0	25.0
Ambient Operating Temperature Range	Heating	°C	-20 – 35	-20 – 35	-20 – 35	-20 – 35
	Hot water (main cooling, HR) <sup>2</sup>	°C	-20.0 – 35 (43)	-20.0 – 35 (43)	-20.0 – 35 (43)	-20.0 – 35 (43)
Leaving Water Temperature Range	Heating	°C	25.0 – 80.0	25.0 – 80.0	25.0 – 80.0	25.0 – 80.0
<b>Heat Exchanger</b>						
Type	-		PHE (Plate Heat Exchanger)	PHE (Plate Heat Exchanger)	PHE (Plate Heat Exchanger)	PHE (Plate Heat Exchanger)
Quantity	ea		2	2	2	2
Pipe size	ø, inch		PT 1 (25A)	PT 1 (25A)	PT 1 (25A)	PT 1 (25A)
Water flow rate	l/min		23	23	36	36
Flow switch	l/min		12	12	12	12
<b>Piping Connections</b>						
Liquid Pipe	ø, mm (inch)		9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)
Gas Pipe	ø, mm (inch)		15.88 (5/8)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)
<b>Refrigerant</b>						
Type			R134A (Fluorinated greenhouse gas, GWP=1430)			
Control Method			EEV included	EEV included	EEV included	EEV included
Factory Charging	kg		2.15	2.15	2.15	2.15
	tCO <sub>2</sub> e		3.07	3.07	3.07	3.07
<b>Sound</b>						
Sound Pressure Level	dB(A)		42	42	42	42
Sound Power Level	dB(A)		60	60	61	61
<b>Dimensions</b>						
Net Weight	kg		104	104	104	104
Net Dimensions	W x H x D	mm	518 x 1210 x 330	518 x 1210 x 330	518 x 1210 x 330	518 x 1210 x 330

### Accessories

#### Premium Wired Controller

MWR-WW10N

<sup>1</sup> Nominal heating capacities are based on;  
 - Water temperature: 55°C inlet, 65°C outlet  
 - Indoor temperature: 20°C DB.

<sup>2</sup> Extended operating range for hot water.  
 Only available in heat recovery systems  
 when operating in main cooling mode.