R134A Domestic hot water production

A++ HYBRID HOUSE by Airwell

# TFHW ELEO

## Monoblock thermodynamic water heater

NEW

**Stainless steel tank**

TFHW 120L

TFHW 190 L/ 260 L

### + PRODUCT

- High performance
- Small footprint
- Anti-legionella function

### FEATURES

DOMESTIC HOT WATER

**⊕ "SUSTAINABLE DEVELOPMENT"**

> Energy savings thanks to the A+ energy label.
> High-performance product.
> Electrical consumption reduced by up to 75%.
> Holiday mode: the water heater switches off while you are away, and switches back on the day before you come back.

**⊕ "USER"**

> Perfect to replace an electric tank.
> "Peak/Off peak" operation.
> Available water volume displayed on the control screen.
> A variety of operating modes (ECO / BOOST / AUTO) for ease of use.

**⊕ "INSTALLER"**

> Easy to install, thanks to its compact footprint.
> Easy handling, thanks to its low weight < 80 kg.

**⊕ "TECHNOLOGY"**

> No risk of contamination following a refrigerant leak, thanks to the external exchanger.
> Hard water protection: stainless steel tank + magnesium anode.

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# TECHNICAL DATA

| MODEL | | TFHW-120H-03M25 | TFHW-190H-03M25 | TFHW-260H-03M25 |
|---|---|---|---|---|
| **Part number** | | **7MB170001** | **7MB170002** | **7MB170003** |
| **Phase** | | *Single-phase* | *Single-phase* | *Single-phase* |
| AIR +7°C WATER 10/55°C | | | | |
| Heating capacity | kW | 1.25 | 1.25 | 1.25 |
| Total power input | kW | 0.40 | 0.40 | 0.40 |
| **COP** | | **3.15** | **3.15** | **3.15** |
| AIR +15°C WATER 10/55°C | | | | |
| Heating capacity | kW | 1.50 | 1.50 | 1.50 |
| Total power input | kW | 0.41 | 0.41 | 0.41 |
| **COP** | | **3.70** | **3.70** | **3.70** |
| PERFORMANCE (AVERAGE CLIMATE) | | | | |
| DHW profile | | M | M | XL |
| Energy label | | A+ | A++ | A |
| Energetic effciency | % | 100 | 139 | 101 |
| **COP** | | **2.55** | **3.21** | **2.41** |
| Annual consumption | kWh | 513 | 368 | 1653 |
| Heat up time | h:mm | 05:45 | 05:34 | 12:02 |
| Standby power input | W | 7 | 26 | 70 |
| Reference hot water temperature | °C | 52.3 | 52 | 59.5 |
| Volume of mixed water at 40°C | l | 192 | 277 | 378 |
| PERFORMANCE (WARMER CLIMATE) | | | | |
| Energetic effciency | % | 100 | 153 | 120 |
| Annual consumption | kWh | 513 | 335 | 1395 |
| PERFORMANCE (COLDER CLIMATE) | | | | |
| Energetic effciency | % | 100 | 104 | 80 |
| Annual consumption | kWh | 513 | 492 | 2009 |
| SOUND LEVEL | | | | |
| Sound pressure level (1m) | dB(A) | 46 | 46 | 46 |
| Sound level | dB(A) | 59 | 59 | 59 |
| OPERATING LIMITS | | | | |
| Outdoor air temperature | °C | -7 / 43 | -7 / 43 | -7 / 43 |
| Maximum water temperature | °C | 70 | 70 | 70 |
| REFRIGERATION CIRCUIT | | | | |
| **Refrigerant/GWP** | | **R134a/1430** | **R134a/1430** | **R134a/1430** |
| Charge | kg | 0.85 | 0.85 | 0.85 |
| POWER SUPPLY | | | | |
| Phase/Voltage/Frequency | | 1P/220-240/50Hz | 1P/220-240/50Hz | 1P/220-240/50Hz |
| Electric backup heater | kW | 2 | 2 | 2 |
| Power cable section | mm² | 3G2.5 | 3G2.5 | 3G2.5 |
| Fuse rating am | A | 16 | 16 | 16 |
| DIMENSIONS | | | | |
| Outline dimensions (HxØ) | | 1310x568 | 1690x568 | 1950x568 |
| Package dimensions (WxHxD) | | 690x1410x690 | 690x1750x690 | 690x2070x690 |
| Net weight/Gross weight | kg | 62/68 | 69/80 | 76/90 |