



Domestic hot water production

Airwell

TFHW ELEO

Monoblock thermodynamic water heater

A+

HYBRID
HOUSE by Airwell

+ PRODUCT

- Excellent COP
- Stainless steel tank
- Small footprint
- Anti-legionella function
- No refrigerant handling

FEATURES



DOMESTIC HOT WATER



TFHW 120L



TFHW 190 L

⊕ «SUSTAINABLE DEVELOPMENT»

- > High energy class A+.
- > High-performance product.
- > Product 3 to 4 times more economical than an electric tank.

⊕ «USER»

- > Perfect to replace an electric tank.
- > "Peak/Off peak" operation.

⊕ «INSTALLER»

- > Easy to install, thanks to its compact footprint.
- > Easy handling, thanks to its low weight < 80 kg.
- > Anti-scale protection: stainless steel tank + magnesium anode.

⊕ «TECHNOLOGY»

- > No risk of contamination following a refrigerant leak, thanks to the external exchanger.

TECHNICAL DATA

TFHW Eleo

| INDOOR UNIT | | TFHW-120H-03M25 | TFHW-190H-03M25 | TFHW-260H-03M25 |
|-------------|--|------------------|------------------|------------------|
| Part number | | 7MB170001 | 7MB170002 | 7MB170003 |
| Phase | | <i>Monophasé</i> | <i>Monophasé</i> | <i>Monophasé</i> |

AIR +7°C WATER 10/55°C

| | | | | |
|------------------|----|-------------|-------------|-------------|
| Heating capacity | kW | 1.25 | 1.25 | 1.25 |
| Input power | 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 |
| Input power | kW | 0.41 | 0.41 | 0.41 |
| COP | | 3.70 | 3.70 | 3.70 |

ERP PERFORMANCE (AVERAGE CLIMATE)

| | | | | | |
|---------------------------------|------|-------------|-------------|-------------|-------------|
| DHW profil | | M | M | L | XL |
| Energy class | | A+ | A++ | A+ | A+ |
| Energetic efficiency | % | 100 | 139 | 120 | 123 |
| COP | | 2.55 | 3.21 | 2.90 | 3.01 |
| Annual consumption | kWh | 513 | 368 | 851 | 1359 |
| Heat up time | h:mm | 5:45 | 5:34 | 5:34 | 7:50 |
| Standby power input | W | 7.0 | 26.0 | 26.0 | 30.0 |
| Reference hot water temperature | °C | 52.3 | 52.0 | 51.8 | 52.0 |
| Volume of mixed water at 40°C | l | 192 | 277 | 275 | 350 |

ERP PERFORMANCE (WARMER CLIMATE)

| | | | | | |
|----------------------|-----|-----|-----|-----|------|
| Energetic efficiency | % | 100 | 153 | 138 | 141 |
| Annual consumption | kWh | 513 | 335 | 740 | 1185 |

ERP PERFORMANCE (COLDER CLIMATE)

| | | | | | |
|----------------------|-----|-----|-----|------|------|
| Energetic efficiency | % | 100 | 104 | 95 | 95 |
| Annual consumption | kWh | 513 | 492 | 1080 | 1721 |

SOUND LEVELS

| | | | | |
|---------------------------|-------|----|----|----|
| Sound pressure level (1m) | dB(A) | 46 | 46 | 46 |
| Sound power level | dB(A) | 59 | 59 | 59 |

OPERATING RANGE

| | | | | |
|---------------------------|----|---------|---------|---------|
| Outdoor air temperature | °C | -7 / 43 | -7 / 43 | -7 / 43 |
| Maximum water temperature | °C | 70.0 | 70.0 | 70.0 |

REFRIGERATION CIRCUIT

| | | | | |
|------------------------|----|-------------------|-------------------|-------------------|
| Refrigerant/GWP | | R134a/1430 | R134a/1430 | R134a/1430 |
| Factory charge | kg | 0.85 | 0.85 | 0.85 |

POWER SUPPLY

| | | | | |
|-------------------------|-----------------|-----------------|-----------------|-----------------|
| Phase/Voltage/Fréquence | | 1P/220-240/50Hz | 1P/220-240/50Hz | 1P/220-240/50Hz |
| Electric heater | kW | 2 | 2 | 2 |
| Power cable | mm ² | 3x2.5 | 3x2.5 | 3x2.5 |
| Fuse breaker | A | 16 | 16 | 16 |

DIMENSIONS

| | | | | |
|----------------------------|----|--------------|--------------|--------------|
| Outline dimensions (HxØ) | mm | 1310x568 | 1690x568 | 1950x568 |
| Package dimensions (WxHxD) | mm | 690x1410x690 | 690x1750x690 | 690x2070x690 |
| Net weight/Gross weight | kg | 62/68 | 69/80 | 76/90 |

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