



Heat pumps
Heating only

TDF ELEO

THERMODYNAMIC WATER HEATERS



TDF

TDF SOLAR



+ PRODUCTS

- Excellent COP
- Small footprint
- Anti-legionella function
- No handling of refrigerant
- Limescale protection

FEATURES



THE + «SUSTAINABLE DEVELOPMENT»

- High energy class A+
- High performance product with COP > 5
- Product 3 to 4 times more economical than an electric tank

THE + «USER»

- Perfect to replace an electric tank
- “Peak/Off peak” operation

THE + «INSTALLER»

- Easy to install thanks to its compact footprint
- Narrow gauge to fit through all doors
- Integrated limescale protection (electronic anode)

THE + «TECHNOLOGY»

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

ACCESSORIES/OPTIONS

| Accessories | Part number |
|--|-------------|
| Adaptation kit, 90° bend and 1m duct (TDF 190) | 7ACEL1735 |
| Adaptation kit, 90° bend and 1m duct (TDF 300) | 7ACEL1737 |
| Extention kit 1m duct (TDF 190) | 7ACEL1736 |
| Extention kit 1m duct (TDF 300) | 7ACEL1738 |

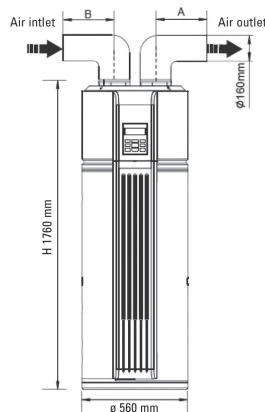
Airwell
Just feel well

TDF ELEO TECHNICAL

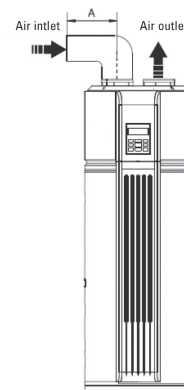
| Indoor unit | | AW-TDF190-H31 | AW-TDF300-H31 | AW-TDF190S-H31 | AW-TDF300S-H31 |
|--------------------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Part number | | 7HP030016 | 7HP030017 | 7HP030018 | 7HP030019 |
| Phase | | Single phase | Single phase | Single phase | Single phase |
| AIR +7°C WATER 10/55°C | | | | | |
| Heating capacity | kW | 1.362 | 1.814 | 1.362 | 1.814 |
| Total power input | kW | 0.423 | 0.519 | 0.423 | 0.519 |
| COP | | 3.22 | 3.49 | 3.22 | 3.49 |
| AIR +15°C WATER 10/55°C | | | | | |
| Heating capacity | kW | 1.609 | 2.185 | 1.609 | 2.185 |
| Total power input | kW | 0.439 | 0.541 | 0.439 | 0.541 |
| COP | | 3.66 | 4.04 | 3.66 | 4.04 |
| PERFORMANCE (AVERAGE CLIMATE) | | | | | |
| ECS profil | | L | XL | L | XL |
| Energy label | | A+ | A+ | A+ | A+ |
| Seasonal efficiency | % | 115.0 | 123.0 | 115.0 | 123.0 |
| COP | | 2.76 | 3.01 | 2.76 | 3.01 |
| Annual consumption | kWh | 890 | 1361 | 890 | 1361 |
| Heating time | h:mm | 7:01 | 7:49 | 7:01 | 7:49 |
| Standby power consumption | W | 26.3 | 30.6 | 26.3 | 30.6 |
| Reference hot water temperature | °C | 53.8 | 53.1 | 53.8 | 53.1 |
| Mixed water at 40 °C | l | 234 | 354 | 234 | 354 |
| PERFORMANCES (WARMER CLIMATE) | | | | | |
| Seasonal efficiency | % | 130.0 | 148.0 | 130.0 | 148.0 |
| COP | | 3.13 | 3.59 | 3.13 | 3.59 |
| Annual consumption | kWh | 785 | 1131 | 785 | 1131 |
| PERFORMANCES (COOLER CLIMATE) | | | | | |
| Seasonal efficiency | % | 99.0 | 95.0 | 99.0 | 95.0 |
| COP | | 2.36 | 2.32 | 2.36 | 2.32 |
| Annual consumption | kWh | 1032 | 1759 | 1032 | 1759 |
| SOUND LEVEL | | | | | |
| Sound pressure level (1m) | dB(A) | 36.6 | 38.2 | 36.6 | 38.2 |
| Sound power level | dB(A) | 51 | 53 | 51 | 53 |
| OPERATING LIMITS | | | | | |
| Outdoor temperature | °C | -7 / 43 | -7 / 43 | -7 / 43 | -7 / 43 |
| Water temperature | °C | 70.0 | 65.0 | 70.0 | 65.0 |
| PIPE LINE | | | | | |
| Refrigerant/GWP | | R134a/1430 | R134a/1430 | R134a/1430 | R134a/1430 |
| Charge | kg | 1.1 | 1.5 | 1.1 | 1.5 |
| POWER SUPPLY | | | | | |
| Phase/Voltage/Frequency | | 1P/220-240/50Hz | 1P/220-240/50Hz | 1P/220-240/50Hz | 1P/220-240/50Hz |
| Integrated electrical resistor | kW | 3 | 3 | 3 | 3 |
| Power cable section | mm ² | 3x4 | 3x4 | 3x4 | 3x4 |
| Fuse rating am | A | 30 | 30 | 30 | 30 |
| DIMENSIONS | | | | | |
| Dimensions (HxØ) | mm | 1830x610 | 1930x700 | 1830x610 | 1930x700 |
| Package dimensions (WxHxD) | mm | 680x2070x680 | 775x2200x745 | 680x2070x680 | 775x2200x745 |
| Net weight/Gross weight | kg | 92/114 | 114/138 | 109/131 | 134/158 |



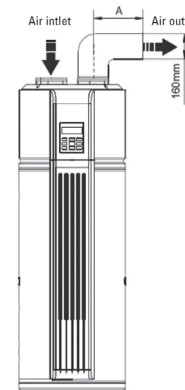
1 Inlet and outlet ducted



2 Inlet ducted



3 Outlet ducted



| Location | Heated low volume room (< 20 m ³) | Low volume room (< 20 m ³) which can be refreshed | Heated high volume room (> 20 m ³) (kitchen, bathroom...) |
|---------------------------------|--|--|---|
| Air inlet and air outlet | <ul style="list-style-type: none"> Air inlet: outdoor air or extracted air (exhaust ventilation) Air outlet: to adjacent room or outdoor | <ul style="list-style-type: none"> Air inlet: outdoor air or extracted air (exhaust ventilation) Air outlet: in the room (ambient air) | <ul style="list-style-type: none"> Air inlet: Ambient air Air outlet: To adjacent room or outdoor |