

NEW DHW STAND ALONE



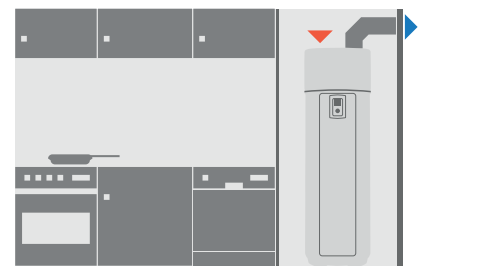
NEW DHW STAND ALONE: HIGHLY EFFICIENT HEAT PUMP WATER HEATER

The wide range of DHW Stand Alone Heat Pump is a great solution to adapt to any type of family house. The wall type is available in 100 and 150L capacities, and the floor standing in 200 and 270L. For reaching even more efficient use the 270L is available in additional coil, it is able to connect solar water production.

- A+ Highly efficient Domestic Hot Water Heat Pump
- Provides reduced power consumption by 75% compared with traditional electric water heater
- Easy to install
- Being CFC-free, this water heater is environmentally friendly

Ideal for small surfaces

Suitable for all installations (adapted to small surfaces, low ceiling, corner).



1 Energy saving

- Digital control panel with energy consumption monitoring
- Photovoltaic function
- Compatible with ducted fresh air intake installations
- Boiler/Solar Coil (only PAW-DHW270C1F)

2 Comfort

- Different modes of operation based on user needs
- Mode AUTO: Intelligent Temperature Set Point, thanks to monitoring hot water usage
- Mode BOOST, Mode ECO and Mode ABSENCE

3 Durability

- Diamond-quality enamel lining the inner tank
- Pressure relief valve which provides safety if any malfunctions or pressure rise
- Dielectric union preventing corrosion
- Specific lip gasket preventing rust around the flange

| Model | | Wall mounted | | | Floor standing | |
|--|----------------------|-----------------------------------|------------------|--|------------------|------------------|
| | | PAW-DHW100W-1 | PAW-DHW150W-1 | PAW-DHW200F | PAW-DHW270F | PAW-DHW270C1F |
| Reference | | | | | | |
| Nominal capacity | L | 100 | 150 | 200 | 270 | 263 |
| Dimensions (H x W x D) | mm | 1209 x 522 x 538 | 1527 x 522 x 538 | 1617 x 620 x 665 | 1957 x 620 x 665 | 1957 x 620 x 665 |
| Empty weight | kg | 57 | 66 | 80 | 92 | 111 |
| Hot and cold connection | | ¾" M | ¾" M | ¾" M | ¾" M | ¾" M |
| Anticorrosion system | Anode | Magnesium | Magnesium | Magnesium | Magnesium | Magnesium |
| Rated water pressure | Mpa (bar) | 0,8 (8) | 0,8 (8) | 0,8 (8) | 0,8 (8) | 0,8 (8) |
| Electrical connection | V / Hz | 230/50 | 230/50 | 230/50 | 230/50 | 230/50 |
| Total maximum power | W | 1550 | 1950 | 2300 | 2300 | 2300 |
| Maximal power heat pump | W | 350 | 350 | 700 | 700 | 700 |
| Power electric heating element | W | 1200 | 1600 | 1600 | 1600 | 1600 |
| Heat pump water temperature range | °C | 50 ~ 62 | 50 ~ 62 | 50 ~ 62 | 50 ~ 62 | 50 ~ 62 |
| Heat pump air temperature range | °C | -5 ~ +43 | -5 ~ +43 | -5 ~ +43 | -5 ~ +43 | -5 ~ +43 |
| Duct diameter | mm | 125 | 125 | 160 | 160 | 160 |
| Air flow (without duct) | m³/h | 160 | 160 | 310/390 | 310/390 | 310/390 |
| Load losses acceptable on ventilation circuit, without affecting performance | Pa | 70 | 70 | 25 | 25 | 25 |
| Sound power level ¹⁾ | dB(A) | 45 | 45 | 53 | 53 | 53 |
| R134a refrigerant capacity | kg | 0,52 | 0,58 | 0,80 | 0,86 | 0,86 |
| Refrigerant volume in tons of CO ₂ equivalent | TCO ₂ Eq. | 0,74 | 0,83 | 0,50 | 0,54 | 0,54 |
| Refrigerant weight per liter | kg/L | 0,0052 | 0,0039 | 0,0040 | 0,0032 | 0,0032 |
| Hot water quantity at 40°C: V40td | L | 151,0 | 182,0 | 265,5 | 361,2 | 357,9 |
| Acoustic power ErP ²⁾ | dB(A) | 45 | 45 | 53 | 53 | 53 |
| Energy Efficiency Class (from A+ to F) | | A+ | A+ | A+ | A+ | A+ |
| Connectable to PV | | Yes | Yes | Yes | Yes | Yes |
| Additional coil exchanger connection | | — | — | — | — | 1" M |
| Additional coil surface | m ² | — | — | — | — | 1,2 |
| Performance at 7°C air temperature | | (EN 16147) ducted at 25 Pa | | (CDC LCIE 103-15/C) ducted at 30 Pa ³⁾ | | |
| Coefficient of performance (COP) according load profile | | 2,47 - M | 3,05 - L | 2,79 - L | 3,16 - XL | 3,05 - XL |
| Standby power input (P _{es}) | W | 18 | 24 | 32 | 29 | 33 |
| Heating up time (t _h) | h. Min | 6h47 | 10h25 | 07h11 | 10h39 | 11h04 |
| Reference hot water temperature (T _{ref}) | °C | 52,7 | 53,2 | 52,7 | 53,1 | 52,9 |
| Flow rate [air] | m³/h | 140 | 110 | 320 | 320 | 320 |
| Performance at 15°C air temperature (EN 16147) | | | | | | |
| Coefficient of performance (COP) according load profile | | 2,88 - M | 3,28 - L | 3,05 - L | 3,61 - XL | 3,44 - XL |
| Standby power input (P _{es}) | W | 19 | 25 | 30 | 30 | 33 |
| Heating up time (t _h) | h. Min | 6h07 | 9h29 | 6h24 | 8h34 | 8h40 |
| Reference hot water temperature (T _{ref}) | °C | 52,6 | 53,4 | 52,8 | 53,0 | 53,1 |
| Flow rate [air] | m³/h | 140 | 110 | 320 | 320 | 320 |

1) According to ISO3744. 2) Compliant with EN 16147 conditions. 3) Performance measured for a water heater from 10°C to T_{ref} according to the protocol of the NF Electricity Performance Mark specifications No.LCIE 103-15C, selfheating thermodynamic water heaters (based on standard EN 16147). * DHW Stand Alone is produced by S.A.T.E.

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