

DHW Stand Alone

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
- Being CFC-free, this water heater is environmentally friendly

Energy saving

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

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

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



DHW Stand Alone		SINGLE PHASE
Type		Wall-mounted
Reference		PAW-DHW100W-1
Indoor dimension (Height)	mm	1209
Indoor dimension (Width)	mm	522
Indoor dimension (Depth)	mm	538
Empty weight	kg	57
Hot and cold connection		¾" M
Anticorrosion system	Anode	Magnesium
Rated water pressure	Mpa (bar)	0,8 (8)
Electrical connection	V	230
Electrical connection	Hz	50
Total maximum power	W	1550
Maximal power heat pump	W	350
Power electric heating element	W	1200
Heat pump water temperature range	°C	50 ~ 62
Heat pump air temperature range	°C	-5 ~ +43
Duct diameter	mm	125
Air flow (without duct)	m³/h	160
Load losses acceptable on ventilation circuit, without affecting performance	Pa	70
Sound power level (1)	dB(A)	45
R134a refrigerant capacity	kg	0,52
Refrigerant volume in tons of CO2 equivalent	TCO2 Eq.	0,74
Refrigerant weight per liter	kg/L	0,0052
Hot water quantity at 40°C: V40td	L	151,0
Acoustic power ErP (2)	dB(A)	45
Energy Efficiency Class (from A+ to F)		A+
Connectable to PV		Yes
Additional coil exchanger connection		—
Additional coil surface	m²	—
Performance at 7°C air temperature		(EN 16147) ducted at 25Pa
Performance at 7°C air temperature - Coefficient of performance (COP) according load profile		2,88 - M
Performance at 7°C air temperature - Standby power input (Pes)	W	18
Performance at 7°C air temperature - Heating up time (th)	h. Min	6h47
Performance at 7°C air temperature - Reference hot water temperature (Tref)	°C	52,7
Performance at 7°C air temperature - Flow rate (air)	m³/h	140
Performance at 15°C air temperature		(EN 16147)
Performance at 15°C air temperature - Coefficient of performance (COP) according load profile		2,66 - M
Performance at 15°C air temperature - Standby power input (Pes)	W	19
Performance at 15°C air temperature - Heating up time (th)	h. Min	6h07
Performance at 15°C air temperature - Reference hot water temperature (Tref)	°C	52,6
Performance at 15°C air temperature - Flow rate (air)	m³/h	140

(1) According to ISO3744.

(2) Compliant with EN 16147 conditions.

(3) Performance measured for a water heater from 10°C to Tref 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.

Complementary products