

Page 1 of 9

#### This information was generated by the HP KEYMARK database on 18 Mar 2022

#### **Login**

Summary of	HMI100 / DHWT300	Reg. No.	041-K011-04
Certificate Holder	Certificate Holder		
Name	AERMEC S.p.A.	AERMEC S.p.A.	
Address	Via Roma 996	Zip	37040
City	Bevilacqua (VR)	Country	Italy
Certification Body	BRE Global Limited		
Subtype title	HMI100 / DHWT300		
Heat Pump Type	Outdoor Air/Water		
Refrigerant	R32		
Mass of Refrigerant	2.2 kg		
Certification Date	25.03.2021		
Testing basis	Heat Pump Keymark Scheme Rules Rev 08		



# Model: HMI100 / DHWT300X

Configure model		
Model name	HMI100 / DHWT300X	
Application	Heating + DHW	
Units	Outdoor	
Climate Zone	n/a	
Reversibility	Yes	
Cooling mode application (optional)	n/a	

General Data		
Power supply	1x230V 50Hz	

### Heating

EN 14511-2	
Medium temperature	
Heat output	8.50 kW
El input	3.30 kW
СОР	2.57

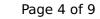
EN 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed



EN 12102-1	
	Medium temperature
Sound power level outdoor	69 dB(A)

EN 14825	
	Medium temperature
$\eta_{s}$	126 %
Prated	8.00 kW
SCOP	3.22
Tbiv	-7 °C
TOL	-10 °C
Pdh Tj = -7°C	7.10 kW
COP Tj = -7°C	1.98
Cdh Tj = -7 °C	0.98
Pdh Tj = $+2^{\circ}$ C	4.50 kW
COP Tj = +2°C	3.15
Cdh Tj = +2 °C	0.98
Pdh Tj = +7°C	5.73 kW
COP Tj = +7°C	4.30
Cdh Tj = +7 °C	0.98
Pdh Tj = 12°C	6.40 kW

EHPA Secretariat | Rue dArlon 63-67 | Phone: +32 2 400 10 17 | Email: secretariat@heatpumpkeymark.com | www.heatpumpkeymark.com





This information was generated by the	e HP KEYMARK database on 18 Mar 202
COP Tj = 12°C	5.50
Cdh Tj = $+12$ °C	0.98
Pdh Tj = Tbiv	7.10 kW
COP Tj = Tbiv	1.98
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	8.00 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	1.70
WTOL	55 °C
Poff	18 W
РТО	18 W
PSB	18 W
PCK	0 W
Supplementary Heater: Type of energy input	Electricity
Supplementary Heater: PSUP	0.00 kW

5128 kWh

## Domestic Hot Water (DHW)

Annual energy consumption Qhe





EN 16147		
Declared load profile	XL	
Efficiency ηDHW	110 %	
СОР	2.62	
Heating up time	1:52 h:min	
Standby power input	62.6 W	
Reference hot water temperature	52.8 °C	
Mixed water at 40°C	372	



# Model: HMI100T / DHWT300XT

Configure model		
Model name	HMI100T / DHWT300XT	
Application	Heating + DHW	
Units	Outdoor	
Climate Zone	n/a	
Reversibility	Yes	
Cooling mode application (optional)	n/a	

General Data		
Power supply	3x400V 50Hz	

### Heating

EN 14511-2	
Medium temperature	
Heat output	8.50 kW
El input	3.30 kW
СОР	2.57

EN 14511-4		
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	
Defrost test	passed	
Starting and operating test	passed	



EN 12102-1		
	Medium temperature	
Sound power level outdoor	69 dB(A)	

EN 14825		
	Medium temperature	
$\eta_{s}$	126 %	
Prated	8.00 kW	
SCOP	3.22	
Tbiv	-7 °C	
TOL	-10 °C	
Pdh Tj = $-7^{\circ}$ C	7.10 kW	
COP Tj = -7°C	1.98	
Cdh Tj = -7 °C	0.98	
Pdh Tj = +2°C	4.50 kW	
COP Tj = +2°C	3.15	
Cdh Tj = +2 °C	0.98	
Pdh Tj = $+7^{\circ}$ C	5.73 kW	
$COPTj = +7^{\circ}C$	4.30	
Cdh Tj = +7 °C	0.98	
Pdh Tj = 12°C	6.40 kW	

EHPA Secretariat | Rue dArlon 63-67 | Phone: +32 2 400 10 17 | Email: secretariat@heatpumpkeymark.com | www.heatpumpkeymark.com





COP Tj = 12°C	5.50
Cdh Tj = +12 °C	0.98
Pdh Tj = Tbiv	7.10 kW
COP Tj = Tbiv	1.98
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	8.00 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	1.70
WTOL	55 °C
Poff	18 W
РТО	18 W
PSB	18 W
PCK	o w
Supplementary Heater: Type of energy input	Electricity
Supplementary Heater: PSUP	0.00 kW
Annual energy consumption Qhe	5128 kWh

## Domestic Hot Water (DHW)





EN 16147		
Declared load profile	XL	
Efficiency ηDHW	110 %	
СОР	2.62	
Heating up time	1:52 h:min	
Standby power input	62.6 W	
Reference hot water temperature	52.8 °C	
Mixed water at 40°C	372	