

This information was generated by the HP KEYMARK database on 22 Jun 2022

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Summary of	HMI100 / DHWT300	Reg. No.	041-K011-04
Certificate Holder			
Name	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
COP	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

### Average Climate

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### 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°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

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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
PTO	18 W
PSB	18 W
PCK	0 W
Supplementary Heater: Type of energy input	Electricity
Supplementary Heater: PSUP	0.00 kW
Annual energy consumption Qhe	5128 kWh

## Domestic Hot Water (DHW)

### Average Climate

<b>EN 16147</b>	
Declared load profile	XL
Efficiency $\eta_{DHW}$	110 %
COP	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 l

## 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
COP	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

### Average Climate

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### EN 12102-1

#### Medium temperature

Sound power level outdoor

69 dB(A)

### EN 14825

#### Medium temperature

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Cdh Tj = +2 °C

0.98

Pdh Tj = +7°C

5.73 kW

COP Tj = +7°C

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Cdh Tj = +7 °C

0.98

Pdh Tj = 12°C

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COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	1.70
WTOL	55 °C
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