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Login

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

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

EN 14825	
	Medium temperature
η_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

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

EN 16147

Declared load profile	XL
Efficiency ηDHW	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

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

EN 14825	
	Medium temperature
η_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

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

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