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Login

Summary of	HMI120 / DHWT300	Reg. No.	041-K011-05
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	HMI120 / DHWT300		
Heat Pump Type	Outdoor Air/Water	Outdoor Air/Water	
Refrigerant	R32		
Mass of Refrigerant	2.2 kg		
Certification Date	25.03.2021	25.03.2021	
Testing basis	Heat Pump Keymark Scheme Rules Rev 08		



Model: HMI120 / DHWT300X

Configure model		
Model name	HMI120 / 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	10.50 kW
El input	4.12 kW
СОР	2.55

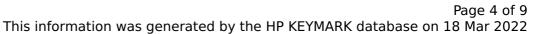
EN 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed



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

EN 14825		
	Medium temperature	
η_s	126 %	
Prated	10.00 kW	
SCOP	3.23	
Tbiv	-7 °C	
TOL	-10 °C	
Pdh Tj = -7°C	8.40 kW	
COP Tj = -7°C	2.05	
Cdh Tj = -7 °C	0.98	
Pdh Tj = +2°C	5.50 kW	
COP Tj = +2°C	3.15	
Cdh Tj = +2 °C	0.98	
Pdh Tj = +7°C	5.76 kW	
$COP Tj = +7^{\circ}C$	4.24	
Cdh Tj = +7 °C	0.98	
Pdh Tj = 12°C	6.36 kW	

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COP Tj = 12°C	5.06
Cdh Tj = +12 °C	0.98
Pdh Tj = Tbiv	8.40 kW
COP Tj = Tbiv	2.05
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	9.80 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	1.75
WTOL	55 °C
Poff	18 W
PTO	18 W
PSB	18 W
PCK	o w
Supplementary Heater: Type of energy input	Electricity
Supplementary Heater: PSUP	0.20 kW
Annual energy consumption Qhe	6406 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	



Model: HMI120T / DHWT300XT

Configure model		
Model name	HMI120T / 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	10.50 kW
El input	4.12 kW
СОР	2.55

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	
η_{s}	126 %	
Prated	10.00 kW	
SCOP	3.23	
Tbiv	-7 °C	
TOL	-10 °C	
Pdh Tj = -7°C	8.40 kW	
COP Tj = -7°C	2.05	
Cdh Tj = -7 °C	0.98	
Pdh Tj = $+2$ °C	5.50 kW	
COP Tj = +2°C	3.15	
Cdh Tj = +2 °C	0.98	
Pdh Tj = $+7^{\circ}$ C	5.76 kW	
$COP Tj = +7^{\circ}C$	4.24	
Cdh Tj = +7 °C	0.98	
Pdh Tj = 12°C	6.36 kW	

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