Subtype HMI160 / DHWT300	
Certificate Holder	AERMEC S.p.A.
Address	Via Roma 996
ZIP	37040
City	Bevilacqua (VR)
Country	IT
Certification Body	BRE Global Limited
Subtype title	HMI160 / DHWT300
Registration number	041-K011-07
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 HMI160 / DHWT300X		
Model name	HMI160 / DHWT300X	
Application	Heating + DHW	
Units	Outdoor	
Climate zone (for heating)	n/a	
Reversibility	Yes	
Cooling mode application (optional)	n/a	
Any additional heat sources	n/a	

General data		
Power supply	1x230V 50Hz	
Off-peak product	n/a	

Outdoor Air/Water EN 16147 | Average Climate		
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	

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

EN 14511-2 | Heating		
	Low temperature	Medium temperature
Heat output	16.71 kW	
El input	5.90 kW	
COP	2.83	

EN 12102-1 | Average Climate		
	Low temperature	Medium temperature
Sound power level outdoor	72 dB(A)	

EN 14825 | Average Climate		
	Low temperature	Medium temperature
ηs	126 %	
Prated	13.00 kW	
SCOP	3.24	

Tbiv	-7 °C
TOL	-10 °C
Pdh Tj = -7°C	11.98 kW
COP Tj = -7°C	2.05
Cdh Tj = -7 °C	0.98
Pdh Tj = +2°C	7.41 kW
COP Tj = +2°C	3.19
Cdh Tj = +2 °C	0.98
Pdh Tj = +7°C	5.70 kW
COP Tj = +7°C	4.18
Cdh Tj = +7 °C	0.98
Pdh Tj = 12°C	6.38 kW
COP Tj = 12°C	5.14
Cdh Tj = +12 °C	0.98
Pdh Tj = Tbiv	11.98 kW
COP Tj = Tbiv	2.05
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.41 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	1.78
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	2.59 kW
Annual energy consumption Qhe	8292 kWh

Model HMI160T / DHWT300XT		
Model name	HMI160T / DHWT300XT	
Application	Heating + DHW	
Units	Outdoor	
Climate zone (for heating)	n/a	
Reversibility	Yes	
Cooling mode application (optional)	n/a	
Any additional heat sources	n/a	

General data		
Power supply	3x400V 50Hz	
Off-peak product	n/a	

Outdoor Air/Water		
EN 16147 | Average Climate		
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	

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

EN 14511-2 | Heating		
	Low temperature	Medium temperature
Heat output	16.71 kW	
El input	5.90 kW	
COP	2.83	

EN 12102-1 | Average Climate		
	Low temperature	Medium temperature
Sound power level outdoor	72 dB(A)	

EN 14825 | Average Climate		
	Low temperature	Medium temperature
ηs	126 %	
Prated	13.00 kW	
SCOP	3.24	

Tbiv	-7 °C
TOL	-10 °C
Pdh Tj = -7°C	11.98 kW
COP Tj = -7°C	2.05
Cdh Tj = -7 °C	0.98
Pdh Tj = +2°C	7.41 kW
COP Tj = +2°C	3.19
Cdh Tj = +2 °C	0.98
Pdh Tj = +7°C	5.70 kW
COP Tj = +7°C	4.18
Cdh Tj = +7 °C	0.98
Pdh Tj = 12°C	6.38 kW
COP Tj = 12°C	5.14
Cdh Tj = +12 °C	0.98
Pdh Tj = Tbiv	11.98 kW
COP Tj = Tbiv	2.05
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.41 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	1.78
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	2.59 kW
Annual energy consumption Qhe	8292 kWh