Subtype BHP 080 100 W	
Certificate Holder	AERMEC S.p.A.
Address	Via Roma 996
ZIP	37040
City	Bevilacqua (VR)
Country	IT
Certification Body	BRE Global Limited
Subtype title	BHP 080 100 W
Registration number	041-K011-09
Heat Pump Type	Outdoor Air/Water
Refrigerant	R32
Mass of Refrigerant	1.6 kg
Certification Date	30.07.2021
Testing basis	HP Keymark Scheme Rules Rev 08

Model BHP 080 + BHP 100 W		
Model name	BHP 080 + BHP 100 W	
Application	Heating + DHW	
Units	Indoor, 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	116 %	
COP	2.76	
Heating up time	2.7 h:min	
Standby power input	54.5 W	
Reference hot water temperature	52.8 °C	
Mixed water at 40°C	341 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	7.98 kW	
El input	2.60 kW	
COP	3.06	
EN 12102-1 | Average Climate		
	Low temperature	Medium temperature
Sound power level indoor	42 dB(A)	
Sound power level outdoor	67 dB(A)	
EN 14825 | Average Climate		
	Low temperature	Medium temperature
ηs	129 %	
Prated	7.00 kW	

SCOP	3.31
Tbiv	-7 °C
TOL	-10 °C
Pdh Tj = -7°C	6.34 kW
COP Tj = -7°C	2.24
Cdh Tj = -7 °C	0.99
Pdh Tj = +2°C	4.08 kW
COP Tj = +2°C	3.18
Cdh Tj = +2 °C	0.98
Pdh Tj = +7°C	4.26 kW
COP Tj = +7°C	4.26
Cdh Tj = +7 °C	0.97
Pdh Tj = 12°C	5.01 kW
COP Tj = 12°C	5.93
Cdh Tj = +12 °C	0.97
Pdh Tj = Tbiv	6.34 kW
COP Tj = Tbiv	2.24
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.29 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	1.79
WTOL	60 °C
Poff	25 W
PTO	25 W
PSB	25 W
PCK	25 W
Supplementary Heater: Type of energy input	Electricity
Supplementary Heater: PSUP	0.70 kW
Annual energy consumption Qhe	4371 kWh

Model BHP 100 + BHP 100 W	
Model name	BHP 100 + BHP 100 W
Application	Heating + DHW
Units	Indoor, 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	116 %
COP	2.76
Heating up time	2.7 h:min
Standby power input	54.5 W
Reference hot water temperature	52.8 °C
Mixed water at 40°C	341 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	9.47 kW	
El input	3.12 kW	
COP	3.04	

EN 12102-1 | Average Climate		
	Low temperature	Medium temperature
Sound power level indoor	42 dB(A)	
Sound power level outdoor	68 dB(A)	

EN 14825 | Average Climate		
	Low temperature	Medium temperature
ηs	127 %	
Prated	8.00 kW	

SCOP	3.25
Tbiv	-7 °C
TOL	-10 °C
Pdh Tj = -7°C	6.91 kW
COP Tj = -7°C	2.12
Cdh Tj = -7 °C	0.99
Pdh Tj = +2°C	4.22 kW
COP Tj = +2°C	3.09
Cdh Tj = +2 °C	0.98
Pdh Tj = +7°C	4.27 kW
COP Tj = +7°C	4.34
Cdh Tj = +7 °C	0.97
Pdh Tj = 12°C	4.91 kW
COP Tj = 12°C	5.91
Cdh Tj = +12 °C	0.97
Pdh Tj = Tbiv	6.91 kW
COP Tj = Tbiv	2.12
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.85 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	1.75
WTOL	60 °C
Poff	25 W
PTO	25 W
PSB	25 W
PCK	25 W
Supplementary Heater: Type of energy input	Electricity
Supplementary Heater: PSUP	1.20 kW
Annual energy consumption Qhe	5091 kWh