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Login

Summary of	BHP 080 100 W	Reg. No.	041-K011-09
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	BHP 080 100 W		
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

Configure model	
Model name	BHP 080 + BHP 100 W
Application	Heating + DHW
Units	Indoor + 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	7.98 kW
El input	2.60 kW
COP	3.06

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 indoor	42 dB(A)
Sound power level outdoor	67 dB(A)

EN 14825	
	Medium temperature
η_s	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

Domestic Hot Water (DHW)

Average Climate

EN 16147

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

Model: BHP 100 + BHP 100 W

Configure model	
Model name	BHP 100 + BHP 100 W
Application	Heating + DHW
Units	Indoor + 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	9.47 kW
El input	3.12 kW
COP	3.04

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 indoor	42 dB(A)
Sound power level outdoor	68 dB(A)

EN 14825	
	Medium temperature
η_s	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

Domestic Hot Water (DHW)

Average Climate

EN 16147

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