

This information was generated by the HP KEYMARK database on 18 Mar 2022

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Summary of	BHP 040 060 W	Reg. No.	041-K011-08
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 040 060 W		
Heat Pump Type	Outdoor Air/Water		
Refrigerant	R32		
Mass of Refrigerant	1 kg		
Certification Date	30.07.2021		
Testing basis	HP Keymark Scheme Rules Rev 08		

Model: BHP 040 + BHP 060 W

Configure model	
Model name	BHP 040 + BHP 060 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	3.60 kW
El input	1.31 kW
COP	2.75

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

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EN 12102-1

	Medium temperature
Sound power level indoor	42 dB(A)
Sound power level outdoor	62 dB(A)

EN 14825

	Medium temperature
η_s	128 %
Prated	5.00 kW
SCOP	3.27
Tbiv	-7 °C
TOL	-10 °C
Pdh Tj = -7°C	4.02 kW
COP Tj = -7°C	2.03
Cdh Tj = -7 °C	0.99
Pdh Tj = +2°C	2.64 kW
COP Tj = +2°C	3.27
Cdh Tj = +2 °C	0.97
Pdh Tj = +7°C	2.33 kW
COP Tj = +7°C	4.30
Cdh Tj = +7 °C	0.95

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Pdh Tj = 12°C	2.78 kW
COP Tj = 12°C	6.00
Cdh Tj = +12 °C	0.95
Pdh Tj = Tbiv	4.02 kW
COP Tj = Tbiv	2.03
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	3.80 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	1.38
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	3152 kWh

Domestic Hot Water (DHW)

Average Climate

EN 16147	
Declared load profile	XL
Efficiency η_{DHW}	122 %
COP	2.92
Heating up time	3.14 h:min
Standby power input	52.3 W
Reference hot water temperature	51.7 °C
Mixed water at 40°C	325 l

Model: BHP 060 + BHP 060 W

Configure model	
Model name	BHP 060 + BHP 060 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	5.61 kW
El input	1.93 kW
COP	2.90

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

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EN 12102-1

	Medium temperature
Sound power level indoor	42 dB(A)
Sound power level outdoor	62 dB(A)

EN 14825

	Medium temperature
η_s	127 %
Prated	5.00 kW
SCOP	3.27
Tbiv	-7 °C
TOL	-10 °C
Pdh Tj = -7°C	4.02 kW
COP Tj = -7°C	2.03
Cdh Tj = -7 °C	0.99
Pdh Tj = +2°C	2.64 kW
COP Tj = +2°C	3.27
Cdh Tj = +2 °C	0.97
Pdh Tj = +7°C	2.40 kW
COP Tj = +7°C	4.20
Cdh Tj = +7 °C	0.96

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Pdh Tj = 12°C	2.78 kW
COP Tj = 12°C	6.00
Cdh Tj = +12 °C	0.95
Pdh Tj = Tbiv	4.02 kW
COP Tj = Tbiv	2.03
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	3.80 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	1.38
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	3169 kWh

Domestic Hot Water (DHW)

Average Climate

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Declared load profile	XL
Efficiency η_{DHW}	122 %
COP	2.92
Heating up time	3.14 h:min
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