

## Subtype BHP 040 060 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 040 060 W
Registration number	041-K011-08
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

Model name	BHP 040 + BHP 060 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 $\eta_{DHW}$	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

## 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	3.60 kW	
El input	1.31 kW	
COP	2.75	

## EN 12102-1 | Average Climate

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

## EN 14825 | Average Climate

	Low temperature	Medium temperature
$\eta_s$	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
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

## Model BHP 060 + BHP 060 W

Model name	BHP 060 + BHP 060 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 $\eta_{DHW}$	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

## 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	5.61 kW	
El input	1.93 kW	
COP	2.90	

## EN 12102-1 | Average Climate

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

## EN 14825 | Average Climate

	Low temperature	Medium temperature
$\eta_s$	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
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