

Subtype HP60 - 11/13 ; Assure HP55 - 11/13

Certificate Holder	BAXI Heating UK Limited
Address	Brooks House, Coventry Road
ZIP	CV34 4LL
City	Warwick
Country	GB
Certification Body	ICIM S.p.A.
Subtype title	HP60 - 11/13 ; Assure HP55 - 11/13
Registration number	ICIM-PDC-000328
Heat Pump Type	Outdoor Air/Water
Refrigerant	R290
Mass of Refrigerant	1.25 kg
Certification Date	05.05.2025
Testing basis	V12

Model HP60-11-1-PHMB ; Assure HP55-11-1-PHMB

Model name	HP60-11-1-PHMB ; Assure HP55-11-1-PHMB
Application	Heating (medium temp)
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 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	11.5 kW	11.5 kW
El input	2.37 kW	3.65 kW
COP	4.85	3.15

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level outdoor	52 dB(A)	52 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
η_s	187.8 %	147.1 %
Prated	12.1 kW	12.1 kW
SCOP	4.77	3.75
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	10.68 kW	10.88 kW
COP Tj = -7°C	2.8	2.27
Cdh Tj = -7 °C	1	1
Pdh Tj = +2°C	6.69 kW	6.56 kW
COP Tj = +2°C	4.55	3.63
Cdh Tj = +2 °C	1	1
Pdh Tj = +7°C	5.3 kW	4.78 kW

COP Tj = +7°C	6.98	4.99
Cdh Tj = +7 °C	0.99	0.99
Pdh Tj = 12°C	5.34 kW	5.83 kW
COP Tj = 12°C	7.7	6.55
Cdh Tj = +12 °C	0.98	0.99
Pdh Tj = Tbiv	10.68 kW	10.88 kW
COP Tj = Tbiv	2.8	2.27
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.66 kW	10.71 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.61	2.15
WTOL	75 °C	75 °C
Poff	10.1 W	10.1 W
PTO	15 W	15 W
PSB	10.1 W	10.1 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.44 kW	1.39 kW
Annual energy consumption Qhe	5240 kWh	6662 kWh

Model HP60-11-3-PHMB ; Assure HP55-11-3-PHMB

Model name	HP60-11-3-PHMB ; Assure HP55-11-3-PHMB
Application	Heating (medium temp)
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 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	11.5 kW	11.5 kW
El input	2.37 kW	3.65 kW
COP	4.85	3.15

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level outdoor	52 dB(A)	52 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
η_s	187.8 %	147.1 %
Prated	12.1 kW	12.1 kW
SCOP	4.77	3.75
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	10.68 kW	10.88 kW
COP Tj = -7°C	2.8	2.27
Cdh Tj = -7 °C	1	1
Pdh Tj = +2°C	6.69 kW	6.56 kW
COP Tj = +2°C	4.55	3.63
Cdh Tj = +2 °C	1	1
Pdh Tj = +7°C	5.3 kW	4.78 kW

COP Tj = +7°C	6.98	4.99
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Pdh Tj = Tbiv	10.68 kW	10.88 kW
COP Tj = Tbiv	2.8	2.27
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.66 kW	10.71 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.61	2.15
WTOL	75 °C	75 °C
Poff	10.1 W	10.1 W
PTO	15 W	15 W
PSB	10.1 W	10.1 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.44 kW	1.39 kW
Annual energy consumption Qhe	5240 kWh	6662 kWh

Model HP60-13-1-PHMB ; Assure HP55-13-1-PHMB

Model name	HP60-13-1-PHMB ; Assure HP55-13-1-PHMB
Application	Heating (medium temp)
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 14511-4 | Heating**

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Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

EN 14511-2 | Heating

	Low temperature	Medium temperature
Heat output	13.5 kW	13.5 kW
El input	2.93 kW	4.44 kW
COP	4.6	3.04

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level outdoor	52 dB(A)	52 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
η_s	184.9 %	146.2 %
Prated	13.7 kW	13.7 kW
SCOP	4.7	3.73
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	12.03 kW	11.87 kW
COP Tj = -7°C	2.7	2.22
Cdh Tj = -7 °C	1	1
Pdh Tj = +2°C	7.38 kW	7.37 kW
COP Tj = +2°C	4.46	3.56
Cdh Tj = +2 °C	1	1
Pdh Tj = +7°C	5.24 kW	4.87 kW

COP Tj = +7°C	7.02	5.21
Cdh Tj = +7 °C	1	1
Pdh Tj = 12°C	5.28 kW	5.83 kW
COP Tj = 12°C	7.71	6.55
Cdh Tj = +12 °C	0.99	0.99
Pdh Tj = Tbiv	12.03 kW	11.87 kW
COP Tj = Tbiv	2.7	2.22
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.45 kW	11.2 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.54	2.07
WTOL	75 °C	75 °C
Poff	10.1 W	10.1 W
PTO	15 W	15 W
PSB	10.1 W	10.1 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	2.25 kW	2.5 kW
Annual energy consumption Qhe	6025 kWh	7588 kWh

Model HP60-13-3-PHMB ; Assure HP55-13-3-PHMB

Model name	HP60-13-3-PHMB ; Assure HP55-13-3-PHMB
Application	Heating (medium temp)
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

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WTOL	75 °C	75 °C
Poff	10.1 W	10 W
PTO	15 W	10 W
PSB	10.1 W	10 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	2.25 kW	2.5 kW
Annual energy consumption Qhe	6025 kWh	7588 kWh