

## Subtype ERApro 13 kW

Certificate Holder	PHOTOMATE s.r.o.
Address	Prokišova 356/7
ZIP	370 01
City	České Budějovice 6
Country	CZ
Certification Body	SZU - Strojirensky zkusebni ustav (Engineering Test Institute, Public Enterprise)
Subtype title	ERApro 13 kW
Registration number	037-0207-25
Heat Pump Type	Outdoor Air/Water
Refrigerant	R290
Mass of Refrigerant	1.05 kg
Certification Date	21.08.2025
Testing basis	HP Keymark certification scheme rules rev. no.15
Testing laboratory	SZU Brno, CZ

## Model ERApro 13 kW,230V + HU 9

Model name	ERApro 13 kW,230V + HU 9
Application	Heating (medium temp)
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 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	7.91 kW	7.86 kW
El input	1.57 kW	2.56 kW
COP	5.03	3.07

### EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level indoor	30 dB(A)	30 dB(A)
Sound power level outdoor	54 dB(A)	54 dB(A)

### EN 14825 | Average Climate

	Low temperature	Medium temperature
$\eta_s$	204 %	150 %
Prated	9.91 kW	9.84 kW
SCOP	5.18	3.82
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	8.76 kW	8.71 kW
COP Tj = -7°C	3.40	2.41
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	5.47 kW	5.33 kW
COP Tj = +2°C	4.95	3.72
Cdh Tj = +2 °C	0.900	0.900

Pdh Tj = +7°C	5.40 kW	4.02 kW
COP Tj = +7°C	6.85	5.07
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	6.27 kW	4.90 kW
COP Tj = 12°C	8.68	6.89
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	8.76 kW	8.71 kW
COP Tj = Tbiv	3.41	2.41
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	9.74 kW	9.84 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.86	2.14
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	75 °C	°C
Poff	15 W	15 W
PTO	15 W	15 W
PSB	15 W	15 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.16 kW	kW
Annual energy consumption Qhe	4049 kWh	5396 kWh

## Model ERApro 13 kW,230V + CU 1

Model name	ERApro 13 kW,230V + CU 1
Application	Heating (medium temp)
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 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	7.91 kW	7.86 kW
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COP Tj = 12°C	8.68	6.89
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	8.76 kW	8.71 kW
COP Tj = Tbiv	3.41	2.41
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	9.74 kW	9.84 kW
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WTOL	75 °C	°C
Poff	15 W	15 W
PTO	15 W	15 W
PSB	15 W	15 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.16 kW	kW
Annual energy consumption Qhe	4049 kWh	5396 kWh

## Model ERApro 13 kW,230V + DHWU 9

Model name	ERApro 13 kW,230V + DHWU 9
Application	Heating (medium temp)
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 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	7.91 kW	7.86 kW
El input	1.57 kW	2.56 kW
COP	5.03	3.07

### EN 12102-1 | Average Climate

	Low temperature	Medium temperature
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Pdh Tj = +2°C	5.47 kW	5.33 kW
COP Tj = +2°C	4.95	3.72
Cdh Tj = +2 °C	0.900	0.900

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COP Tj = +7°C	6.85	5.07
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	6.27 kW	4.90 kW
COP Tj = 12°C	8.68	6.89
Cdh Tj = +12 °C	0.900	0.900
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WTOL	75 °C	°C
Poff	15 W	15 W
PTO	15 W	15 W
PSB	15 W	15 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.16 kW	kW
Annual energy consumption Qhe	4049 kWh	5396 kWh

## Model ERApro 13 kW,400V + HU 9

Model name	ERApro 13 kW,400V + HU 9
Application	Heating (medium temp)
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	3x230V 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	7.91 kW	7.86 kW
El input	1.57 kW	2.56 kW
COP	5.03	3.07

### EN 12102-1 | Average Climate

	Low temperature	Medium temperature
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COP Tj = -7°C	3.40	2.41
Cdh Tj = -7 °C	0.900	0.900
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COP Tj = +2°C	4.95	3.72
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COP Tj = +7°C	6.85	5.07
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	6.27 kW	4.90 kW
COP Tj = 12°C	8.68	6.89
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Poff	15 W	15 W
PTO	15 W	15 W
PSB	15 W	15 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.16 kW	kW
Annual energy consumption Qhe	4049 kWh	5396 kWh

## Model ERApro 13 kW,400V + DHWU 9

Model name	ERApro 13 kW,400V + DHWU 9
Application	Heating (medium temp)
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	3x230V 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

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	Low temperature	Medium temperature
Heat output	7.91 kW	7.86 kW
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Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.16 kW	kW
Annual energy consumption Qhe	4049 kWh	5396 kWh

## Model ERApro 13 kW,400V + CU 1

Model name	ERApro 13 kW,400V + CU 1
Application	Heating (medium temp)
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
Reversibility	Yes
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

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