

Subtype ERApro 16 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 16 kW
Registration number	037-0208-25
Heat Pump Type	Outdoor Air/Water
Refrigerant	R290
Mass of Refrigerant	1.28 kg
Certification Date	21.08.2025
Testing basis	HP Keymark certification scheme rules rev. no.15
Testing laboratory	SZU Brno, CZ

Model ERApro 16 kW,400V + HU 9

Model name	ERApro 16 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	10.08 kW	9.92 kW
El input	2.04 kW	3.12 kW
COP	4.95	3.18

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
η_s	201 %	149 %
Prated	12.35 kW	12.23 kW
SCOP	5.10	3.80
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	10.93 kW	10.82 kW
COP Tj = -7°C	3.25	2.38
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	7.13 kW	6.66 kW
COP Tj = +2°C	4.89	3.70
Cdh Tj = +2 °C	0.900	0.900

Pdh Tj = +7°C	5.71 kW	4.89 kW
COP Tj = +7°C	6.66	4.98
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	5.31 kW	5.64 kW
COP Tj = 12°C	9.05	6.21
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	10.93 kW	10.82 kW
COP Tj = Tbiv	3.25	2.38
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	12.35 kW	11.20 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.80	2.04
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	75 °C	75 °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	kW	0.95 kW
Annual energy consumption Qhe	5073 kWh	6730 kWh

Model ERApro 16 kW,400V + DHWU 9

Model name	ERApro 16 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

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Defrost test	passed
Starting and operating test	passed

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Model ERApro 16 kW,400V + CU 1

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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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