Subtype ERApro 9 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 9 kW
Registration number	037-0206-25
Heat Pump Type	Outdoor Air/Water
Refrigerant	R290
Mass of Refrigerant	0.9 kg
Certification Date	21.08.2025
Testing basis	HP Keymark certification scheme rules rev. no.15
Testing laboratory	SZU Brno, CZ

Model ERApro 9 kW,230V + HU 9	
Model name	ERApro 9 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	5.87 kW	5.95 kW
El input	1.21 kW	1.87 kW
COP	4.86	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	53 dB(A)	53 dB(A)

EN 14825 | Average Climate		
	Low temperature	Medium temperature
ηs	201 %	148 %
Prated	7.03 kW	7.07 kW
SCOP	5.13	3.77
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	6.22 kW	6.25 kW
COP Tj = -7°C	3.38	2.39
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	3.85 kW	3.81 kW
COP Tj = +2°C	4.91	3.72
Cdh Tj = +2 °C	0.900	0.900

Pdh Tj = +7°C	2.81 kW	2.52 kW
COP Tj = +7°C	6.65	4.73
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	3.21 kW	2.94 kW
COP Tj = 12°C	8.49	6.31
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	6.22 kW	6.25 kW
COP Tj = Tbiv	3.38	2.39
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.91 kW	7.05 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.80	2.01
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	0.12 kW	0.02 kW
Annual energy consumption Qhe	2869 kWh	3899 kWh

Model ERApro 9 kW,230V + CU 1	
Model name	ERApro 9 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	5.87 kW	5.95 kW
El input	1.21 kW	1.87 kW
COP	4.86	3.18

EN 12102-1 | Average Climate		
	Low temperature	Medium temperature
Sound power level indoor	dB(A)	dB(A)
Sound power level outdoor	53 dB(A)	53 dB(A)

EN 14825 | Average Climate		
	Low temperature	Medium temperature
ηs	201 %	148 %
Prated	7.03 kW	7.07 kW
SCOP	5.13	3.77
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	6.22 kW	6.25 kW
COP Tj = -7°C	3.38	2.39
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	3.85 kW	3.81 kW
COP Tj = +2°C	4.91	3.72
Cdh Tj = +2 °C	0.900	0.900

Pdh Tj = +7°C	2.81 kW	2.52 kW
COP Tj = +7°C	6.65	4.73
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	3.21 kW	2.94 kW
COP Tj = 12°C	8.49	6.31
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	6.22 kW	6.25 kW
COP Tj = Tbiv	3.38	2.39
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.91 kW	7.05 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.80	2.01
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	0.12 kW	0.02 kW
Annual energy consumption Qhe	2869 kWh	3899 kWh

Model ERApro 9 kW,230V + DHWU 9	
Model name	ERApro 9 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	5.87 kW	5.95 kW
El input	1.21 kW	1.87 kW
COP	4.86	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	53 dB(A)	53 dB(A)

EN 14825 | Average Climate		
	Low temperature	Medium temperature
ηs	201 %	148 %
Prated	7.03 kW	7.07 kW
SCOP	5.13	3.77
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	6.22 kW	6.25 kW
COP Tj = -7°C	3.38	2.39
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	3.85 kW	3.81 kW
COP Tj = +2°C	4.91	3.72
Cdh Tj = +2 °C	0.900	0.900

Pdh Tj = +7°C	2.81 kW	2.52 kW
COP Tj = +7°C	6.65	4.73
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	3.21 kW	2.94 kW
COP Tj = 12°C	8.49	6.31
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	6.22 kW	6.25 kW
COP Tj = Tbiv	3.38	2.39
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.91 kW	7.05 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.80	2.01
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	0.12 kW	0.02 kW
Annual energy consumption Qhe	2869 kWh	3899 kWh

Model ERApro 9 kW,400V + HU 9	
Model name	ERApro 9 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	5.87 kW	5.95 kW
El input	1.21 kW	1.87 kW
COP	4.86	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	53 dB(A)	53 dB(A)

EN 14825 | Average Climate		
	Low temperature	Medium temperature
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Prated	7.03 kW	7.07 kW
SCOP	5.13	3.77
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TOL	-20 °C	-20 °C
Pdh Tj = -7°C	6.22 kW	6.25 kW
COP Tj = -7°C	3.38	2.39
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	3.85 kW	3.81 kW
COP Tj = +2°C	4.91	3.72
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Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.91 kW	7.05 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.80	2.01
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	0.12 kW	0.02 kW
Annual energy consumption Qhe	2869 kWh	3899 kWh

Model ERApro 9 kW,400V + CU 1	
Model name	ERApro 9 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

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
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PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.12 kW	0.02 kW
Annual energy consumption Qhe	2869 kWh	3899 kWh

Model ERApro 9 kW,400V + DHWU 9	
Model name	ERApro 9 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

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