Subtype Acond PRO-R

Certificate Holder	Acond a.s.
Address	Štěrboholská 1434/102a
ZIP	102 00
City	Hostivař, Praha
Country	CZ
Certification Body	SZU - Strojirensky zkusebni ustav (Engineering Test Institute, Public Enterprise)
Subtype title	Acond PRO-R
Registration number	037-0076-22
Heat Pump Type	Outdoor Air/Water
Refrigerant	R290
Mass of Refrigerant	2.75 kg
Certification Date	17.03.2022
Testing basis	HP Keymark scheme rules rev. no. 9
Testing laboratory	SZU Brno, CZ

Model Acond PRO-R SP	
Model name	Acond PRO-R SP
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	6.77 kW	7.41 kW
El input	1.30 kW	2.25 kW
COP	5.22	3.29

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level indoor	dB(A)	0 dB(A)
Sound power level outdoor	dB(A)	53 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
ηs	199 %	154 %
Prated	10.38 kW	10.17 kW
SCOP	5.05	3.93
Tbiv	-10 °C	-10 °C
TOL	-22 °C	-22 °C
Pdh Tj = -7°C	9.23 kW	9.00 kW
COP Tj = -7°C	3.24	2.50
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	5.46 kW	5.53 kW
COP Tj = +2°C	5.03	3.87
Cdh Tj = +2 °C	0.900	0.900

Pdh Tj = +7°C	3.81 kW	3.52 kW
COP Tj = +7°C	6.33	4.97
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	4.05 kW	3.88 kW
COP Tj = 12°C	7.42	6.14
Cdh Tj = +12 °C	0.970	0.970
Pdh Tj = Tbiv	10.38 kW	10.17 kW
COP Tj = Tbiv	2.76	2.08
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.38 kW	10.17 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.76	2.08
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	70 °C	70 °C
Poff	16 W	16 W
PTO	16 W	16 W
PSB	16 W	16 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	n/a	n/a
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	4246 kWh	5351 kWh

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Model name	Acond PRO-R
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	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

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