Subtype Acond Aconomis S	
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 Aconomis S
Registration number	037-0183-24
Heat Pump Type	Outdoor Air/Water
Refrigerant	R290
Mass of Refrigerant	0.92 kg
Certification Date	08.07.2024
Testing basis	HP Keymark certification scheme rules rev. no.14
Testing laboratory	SZU Brno, CZ

Model Acond Aconomis S	
Model name	Acond Aconomis S
Application	Heating (medium temp)
Units	Indoor, Outdoor
Climate zone (for heating)	Colder, Warmer
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	2.74 kW	2.35 kW
El input	0.54 kW	0.74 kW
COP	5.08	3.18

EN 12102-1 | Average Climate

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

EN 14825 | Average Climate

	Low temperature	Medium temperature
ηs	195 %	145 %
Prated	4.20 kW	4.65 kW
SCOP	4.96	3.70
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	3.71 kW	4.09 kW
COP Tj = -7°C	3.03	2.31
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	2.26 kW	2.49 kW
COP Tj = +2°C	4.77	3.54
Cdh Tj = +2 °C	0.900	0.900

Pdh Tj = +7°C	1.45 kW	1.60 kW
COP Tj = +7°C	7.05	5.10
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	1.44 kW	1.41 kW
COP Tj = 12°C	7.85	6.28
Cdh Tj = +12 °C	0.918	0.933
Pdh Tj = Tbiv	3.71 kW	4.09 kW
COP Tj = Tbiv	3.03	2.31
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	3.73 kW	3.69 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	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	0.47 kW	0.96 kW
Annual energy consumption Qhe	1747 kWh	2579 kWh

EN 12102-1 | Colder Climate

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

EN 14825 | Colder Climate

	Low temperature	Medium temperature
ηs	148 %	122 %
Prated	6.10 kW	6.55 kW
SCOP	3.77	3.12
Tbiv	-7 °C	-7 °C
TOL	-22 °C	-22 °C
Pdh Tj = -7°C	3.68 kW	3.96 kW
COP Tj = -7°C	3.39	2.62
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	2.24 kW	2.41 kW
COP Tj = +2°C	4.68	4.03
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	1.44 kW	1.55 kW
COP Tj = +7°C	7.55	5.75
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	1.44 kW	1.42 kW
COP Tj = 12°C	7.85	6.79

Cdh Tj = +12 °C	0.918	0.928
Pdh Tj = Tbiv	3.68 kW	3.96 kW
COP Tj = Tbiv	3.39	2.62
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.76 kW	2.63 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.23	1.81
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	3.34 kW	3.92 kW
Annual energy consumption Qhe	3973 kWh	5173 kWh
Pdh Tj = -15°C (if TOL	3.33	3.18
COP Tj = -15°C (if TOL	2.73	2.31
Cdh Tj = -15 °C	0.900	0.900

EN 12102-1 | Warmer Climate

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

EN 14825 | Warmer Climate

	Low temperature	Medium temperature
ηs	242 %	140 %
Prated	3.65 kW	3.50 kW
SCOP	6.12	3.58
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	3.65 kW	3.49 kW
COP Tj = +2°C	3.59	2.31
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	2.35 kW	2.24 kW
COP Tj = +7°C	5.42	2.46
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	1.44 kW	1.39 kW
COP Tj = 12°C	7.85	5.69
Cdh Tj = +12 °C	0.918	0.939
Pdh Tj = Tbiv	3.65 kW	3.49 kW
COP Tj = Tbiv	3.59	2.31
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	3.65 kW	3.49 kW

COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.59	2.31
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	0.00 kW	0.00 kW
Annual energy consumption Qhe	796 kWh	1302 kWh