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Login

Summary of	Acond PRO-N	Reg. No.	037-0075-22
Certificate Holder			
Name	Acond a.s.		
Address	Štěrboholská 1434/102a	Zip	102 00
City	Hostivař, Praha	Country	Czech Republic
Certification Body	SZU - Strojirensky zkusebni ustav (Engineering Test Institute, Public Enterprise)		
Subtype title	Acond PRO-N		
Heat Pump Type	Outdoor Air/Water		
Refrigerant	R290		
Mass of Refrigerant	1.35 kg		
Certification Date	17.03.2022		
Testing basis	HP Keymark scheme rules rev. no. 9		

Model: Acond PRO-N

Configure model	
Model name	Acond PRO-N
Application	Heating (medium temp)
Units	Indoor + Outdoor
Climate Zone	n/a
Reversibility	Yes
Cooling mode application (optional)	n/a

General Data	
Power supply	3x400V 50Hz

Heating

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	3.04 kW	3.54 kW
El input	0.62 kW	1.17 kW
COP	4.90	3.03

EN 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

Average Climate

EN 12102-1

	Low temperature	Medium temperature
Sound power level indoor	dB(A)	0 dB(A)
Sound power level outdoor	dB(A)	48 dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	164 %	135 %
Prated	5.29 kW	5.14 kW
SCOP	4.18	3.45
Tbiv	-10 °C	-10 °C
TOL	-22 °C	-22 °C
Pdh Tj = -7°C	4.68 kW	4.54 kW
COP Tj = -7°C	2.98	2.20
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	2.88 kW	2.77 kW
COP Tj = +2°C	4.18	3.42
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	1.83 kW	1.86 kW
COP Tj = +7°C	5.11	4.46
Cdh Tj = +7 °C	0.900	0.900

Pdh Tj = 12°C	1.81 kW	1.76 kW
COP Tj = 12°C	5.18	4.86
Cdh Tj = +12 °C	0.954	0.959
Pdh Tj = Tbiv	5.29 kW	5.14 kW
COP Tj = Tbiv	2.21	1.88
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.29 kW	5.14 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.21	1.88
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	2615 kWh	3078 kWh