Subtype NOVELAN SE MO-AW 11	
Certificate Holder	ait-deutschland GmbH
Address	Industriestr. 3
ZIP	95359
City	Kasendorf
Country	DE
Certification Body	UL International Italia S.r.l.
Subtype title	NOVELAN SE MO-AW 11
Registration number	047-A1004
Heat Pump Type	Outdoor Air/Water
Refrigerant	R290
Mass of Refrigerant	1.1 kg
Certification Date	21.07.2025
Testing basis	Heat Pump Keymark scheme rules V15
Testing laboratory	Centro de Ensayos, Innovación y Servicios (CEIS), ES

Model NOVELAN SE MO-AW 11 1P	
Model name	NOVELAN SE MO-AW 11 1P
Application	Heating (medium temp)
Units	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	12.37 kW	11.50 kW
El input	2.73 kW	3.89 kW
COP	4.53	2.95

EN 12102-1 | Average Climate		
	Low temperature	Medium temperature
Sound power level outdoor	52 dB(A)	53 dB(A)

EN 14825 | Average Climate		
	Low temperature	Medium temperature
ηs	188 %	150 %
Prated	10.50 kW	9.00 kW
SCOP	4.78	3.82
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	8.68 kW	7.77 kW
COP Tj = -7°C	2.84	2.24
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	5.55 kW	4.78 kW
COP Tj = +2°C	4.48	3.72
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	3.59 kW	3.12 kW

COP Tj = +7°C	6.83	5.05
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	2.64 kW	2.61 kW
COP Tj = 12°C	9.97	7.81
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	8.68 kW	7.77 kW
COP Tj = Tbiv	2.84	2.24
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	8.20 kW	7.37 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.60	1.94
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	75 °C	75 °C
Poff	6 W	6 W
PTO	6 W	6 W
PSB	6 W	6 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	2.30 kW	1.63 kW
Annual energy consumption Qhe	4540 kWh	4870 kWh

Model NOVELAN SE MO-AW 11 3P	
Model name	NOVELAN SE MO-AW 11 3P
Application	Heating (medium temp)
Units	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

EN 14511-2 | Heating		
	Low temperature	Medium temperature
Heat output	12.37 kW	11.50 kW
El input	2.73 kW	3.89 kW
COP	4.53	2.95

EN 12102-1 | Average Climate		
	Low temperature	Medium temperature
Sound power level outdoor	52 dB(A)	53 dB(A)

EN 14825 | Average Climate		
	Low temperature	Medium temperature
ηs	188 %	150 %
Prated	10.50 kW	9.00 kW
SCOP	4.78	3.82
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	8.68 kW	7.77 kW
COP Tj = -7°C	2.84	2.24
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	5.55 kW	4.78 kW
COP Tj = +2°C	4.48	3.72
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	3.59 kW	3.12 kW

COP Tj = +7°C	6.83	5.05
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	2.64 kW	2.61 kW
COP Tj = 12°C	9.97	7.81
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	8.68 kW	7.77 kW
COP Tj = Tbiv	2.84	2.24
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	8.20 kW	7.37 kW
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WTOL	75 °C	75 °C
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PSB	6 W	6 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	2.30 kW	1.63 kW
Annual energy consumption Qhe	4540 kWh	4870 kWh