

Subtype Air to water heat pump 9K

Certificate Holder	NØRDIS Europe Sp. z o.o.
Address	Opolska 38
ZIP	55-011
City	Siechnice
Country	PL
Certification Body	DIN CERTCO Gesellschaft für Konformitätsbewertung mbH
Subtype title	Air to water heat pump 9K
Registration number	011-1W1069
Heat Pump Type	Outdoor Air/Water
Refrigerant	R290
Mass of Refrigerant	0.9 kg
Certification Date	31.07.2025
Testing basis	HP KEYMARK certification scheme rules rev. 14
Testing laboratory	TÜV Rheinland (GuangDong) Ltd., CN

**Model Outdoor unit HLT209MONO1S and indoor unit HLT293S**

Model name	Outdoor unit HLT209MONO1S and indoor unit HLT293S
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	5.97 kW	5.64 kW
El input	1.27 kW	2.20 kW
COP	4.70	2.56

**EN 12102-1 | Average Climate**

	Low temperature	Medium temperature
Sound power level indoor	35 dB(A)	35 dB(A)
Sound power level outdoor	50 dB(A)	50 dB(A)

**EN 14825 | Average Climate**

	Low temperature	Medium temperature
$\eta_s$	206 %	153 %
Prated	7.34 kW	7.31 kW
SCOP	5.23	3.89
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	6.25 kW	6.30 kW
COP Tj = -7°C	3.36	2.44
Cdh Tj = -7 °C	0.980	0.990
Pdh Tj = +2°C	3.91 kW	4.01 kW
COP Tj = +2°C	5.18	3.82
Cdh Tj = +2 °C	0.960	0.970

Pdh Tj = +7°C	2.98 kW	2.78 kW
COP Tj = +7°C	6.70	4.97
Cdh Tj = +7 °C	0.930	0.940
Pdh Tj = 12°C	3.44 kW	3.32 kW
COP Tj = 12°C	8.68	6.80
Cdh Tj = +12 °C	0.920	0.940
Pdh Tj = Tbiv	7.34 kW	7.31 kW
COP Tj = Tbiv	2.95	2.13
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.34 kW	7.31 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.95	2.13
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.990	0.990
WTOL	55 °C	55 °C
Poff	12 W	12 W
PTO	31 W	31 W
PSB	12 W	12 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	2901 kWh	3881 kWh

**Model Outdoor unit HLT209MONO1S and indoor unit HLT293S/250**

Model name	Outdoor unit HLT209MONO1S and indoor unit HLT293S/250
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	5.97 kW	5.64 kW
El input	1.27 kW	2.20 kW
COP	4.70	2.56

**EN 12102-1 | Average Climate**

	Low temperature	Medium temperature
Sound power level indoor	35 dB(A)	35 dB(A)
Sound power level outdoor	50 dB(A)	50 dB(A)

**EN 14825 | Average Climate**

	Low temperature	Medium temperature
$\eta_s$	206 %	153 %
Prated	7.34 kW	7.31 kW
SCOP	5.23	3.89
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	6.25 kW	6.30 kW
COP Tj = -7°C	3.36	2.44
Cdh Tj = -7 °C	0.980	0.990
Pdh Tj = +2°C	3.91 kW	4.01 kW
COP Tj = +2°C	5.18	3.82

Cdh Tj = +2 °C	0.960	0.970
Pdh Tj = +7°C	2.98 kW	2.78 kW
COP Tj = +7°C	6.70	4.97
Cdh Tj = +7 °C	0.930	0.940
Pdh Tj = 12°C	3.44 kW	3.32 kW
COP Tj = 12°C	8.68	6.80
Cdh Tj = +12 °C	0.920	0.940
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WTOL	55 °C	55 °C
Poff	12 W	12 W
PTO	31 W	31 W
PSB	12 W	12 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	2901 kWh	3881 kWh

**Model Outdoor unit HLT209MONO1S and indoor unit HLT293S/200B50**

Model name	Outdoor unit HLT209MONO1S and indoor unit HLT293S/200B50
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**
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COP Tj = +2°C	5.18	3.82

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WTOL	55 °C	55 °C
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PTO	31 W	31 W
PSB	12 W	12 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	2901 kWh	3881 kWh