Subtype DVI AW-290-4	
Certificate Holder	DVI Energi A/S
Address	
ZIP	
City	
Country	DK
Certification Body	SZU - Strojirensky zkusebni ustav (Engineering Test Institute, Public Enterprise)
Subtype title	DVI AW-290-4
Registration number	037-0172-24
Heat Pump Type	Outdoor Air/Water
Refrigerant	R290
Mass of Refrigerant	0.8 kg
Certification Date	09.05.2024
Testing basis	HP Keymark scheme rules rev. no. 12
Testing laboratory	SZU Brno, CZ

Model DVI AW-290-4

Model name	DVI AW-290-4
Application	Heating (medium temp)
Units	Outdoor
Climate zone (for heating)	n/a
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	5.70 kW	5.40 kW
El input	1.29 kW	1.52 kW
COP	4.41	3.55

EN 12102-1 | Average Climate

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

EN 14825 | Average Climate

	Low temperature	Medium temperature
ηs	185 %	143 %
Prated	4.60 kW	4.27 kW
SCOP	4.70	3.66
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	4.32 kW	3.96 kW
COP Tj = -7°C	3.05	2.30
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	2.48 kW	2.42 kW
COP Tj = +2°C	4.65	3.65
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	2.91 kW	2.79 kW
COP Tj = +7°C	5.94	4.82

Cdh Tj = +7 °C	0.997	0.997
Pdh Tj = 12°C	3.42 kW	3.37 kW
COP Tj = 12°C	8.07	7.06
Cdh Tj = +12 °C	0.998	0.998
Pdh Tj = Tbiv	4.60 kW	4.27 kW
COP Tj = Tbiv	2.71	2.10
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.60 kW	4.27 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.71	2.10
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	70 °C	70 °C
Poff	8 W	8 W
PTO	8 W	8 W
PSB	8 W	8 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	n/a	n/a
Supplementary Heater: PSUP	kW	0.00 kW
Annual energy consumption Qhe	2022 kWh	2412 kWh