Subtype DVI AW-290-12

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-290-12
Registration number	037-0174-24
Heat Pump Type	Outdoor Air/Water
Refrigerant	R290
Mass of Refrigerant	1.1 kg
Certification Date	09.05.2024
Testing basis	HP Keymark scheme rules rev. no. 12
Testing laboratory	SZU Brno, CZ

Model DVI AW-290-12

Model name	DVI AW-290-12
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	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	13.10 kW	12.49 kW
El input	2.89 kW	3.64 kW
COP	4.53	3.42

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level outdoor	56 dB(A)	56 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
ηs	180 %	146 %
Prated	7.60 kW	6.99 kW
SCOP	4.57	3.74
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	6.54 kW	6.57 kW
COP Tj = -7°C	3.07	2.63
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	3.77 kW	3.71 kW
COP Tj = +2°C	4.35	3.62
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	2.58 kW	2.32 kW
COP Tj = +7°C	6.10	4.75

Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	2.85 kW	3.30 kW
COP Tj = 12°C	6.92	5.23
Cdh Tj = +12 °C	0.997	0.998
Pdh Tj = Tbiv	7.60 kW	6.99 kW
COP Tj = Tbiv	2.95	2.24
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.60 kW	6.99 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.95	2.24
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	0.00 kW	0.00 kW
Annual energy consumption Qhe	3436 kWh	3866 kWh