Subtype DVI AW-407-9

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-407-9
Registration number	037-0168-24
Heat Pump Type	Outdoor Air/Water
Refrigerant	R407c
Mass of Refrigerant	4.6 kg
Certification Date	09.05.2024
Testing basis	HP Keymark scheme rules rev. no. 12
Testing laboratory	SZU Brno, CZ

Model DVI AW-407-9

Model name	DVI AW-407-9
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	10.98 kW	10.72 kW
El input	1.96 kW	2.24 kW
COP	5.58	4.78

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level outdoor	64 dB(A)	64 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
ηs	176 %	142 %
Prated	7.70 kW	7.30 kW
SCOP	4.47	3.64
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	6.81 kW	6.46 kW
COP Tj = -7°C	3.26	2.39
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	8.55 kW	8.39 kW
COP Tj = +2°C	4.27	3.46
Cdh Tj = +2 °C	0.999	0.999
Pdh Tj = +7°C	10.98 kW	10.72 kW
COP Tj = +7°C	5.58	4.78

Cdh Tj = +7 °C	0.999	0.999
Pdh Tj = 12°C	13.88 kW	13.59 kW
COP Tj = 12°C	6.95	6.41
Cdh Tj = +12 °C	0.999	0.999
Pdh Tj = Tbiv	6.81 kW	6.46 kW
COP Tj = Tbiv	3.26	2.39
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.30 kW	5.94 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.02	2.13
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	55 °C	55 °C
Poff	3 W	3 W
PTO	12 W	12 W
PSB	7 W	7 W
PCK	W	W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.30 kW	1.26 kW
Annual energy consumption Qhe	3560 kWh	4148 kWh