Subtype DVI AW-407-7

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-407-7
Registration number	037-0167-24
Heat Pump Type	Outdoor Air/Water
Refrigerant	R407c
Mass of Refrigerant	4.3 kg
Certification Date	09.05.2024
Testing basis	HP Keymark scheme rules rev. no. 12
Testing laboratory	SZU Brno, CZ

Model DVI AW-407-7

Model name	DVI AW-407-7
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	9.47 kW	9.07 kW
El input	1.77 kW	1.96 kW
COP	5.33	4.62

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level outdoor	62 dB(A)	62 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
ηs	163 %	128 %
Prated	5.62 kW	5.97 kW
SCOP	4.14	3.41
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	4.97 kW	5.28 kW
COP Tj = -7°C	2.85	2.34
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	6.72 kW	6.54 kW
COP Tj = +2°C	3.97	3.31
Cdh Tj = +2 °C	1.000	0.999
Pdh Tj = +7°C	9.47 kW	9.07 kW
COP Tj = +7°C	5.33	4.62

Cdh Tj = +7 °C	1.000	0.999
Pdh Tj = 12°C	10.66 kW	10.35 kW
COP Tj = 12°C	6.01	5.58
Cdh Tj = +12 °C	1.000	0.999
Pdh Tj = Tbiv	4.97 kW	5.28 kW
COP Tj = Tbiv	2.85	2.34
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.07 kW	4.71 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.85	2.04
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	2 W	6 W
PSB	6 W	6 W
PCK	W	W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.52 kW	1.17 kW
Annual energy consumption Qhe	2807 kWh	3621 kWh