

## Subtype DVI BW-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 BW-407-9
Registration number	037-0180-24
Heat Pump Type	Brine/Water
Refrigerant	R407c
Mass of Refrigerant	1.5 kg
Certification Date	09.05.2024
Testing basis	HP Keymark scheme rules rev. no. 12
Testing laboratory	SZU Brno, CZ

## Model DVI BW-407-9

Model name	DVI BW-407-9
Application	Heating (medium temp)
Units	Indoor
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

## Brine/Water

### EN 14511-4 | Heating

Shutting off the heat transfer medium flow passed

Complete power supply failure	passed
Starting and operating test	passed

### EN 14511-2 | Heating

	Low temperature	Medium temperature
Heat output	10.15 kW	9.31 kW
El input	2.23 kW	3.06 kW
COP	4.55	3.04

### EN 12102-1 | Average Climate

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

### EN 14825 | Average Climate

	Low temperature	Medium temperature
$\eta_s$	186 %	143 %
Prated	11.51 kW	10.66 kW
SCOP	4.85	3.77
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	10.18 kW	9.43 kW
COP Tj = -7°C	4.60	3.17
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	10.26 kW	9.72 kW
COP Tj = +2°C	4.83	3.75
Cdh Tj = +2 °C	0.999	0.999
Pdh Tj = +7°C	10.37 kW	9.90 kW
COP Tj = +7°C	5.07	4.14
Cdh Tj = +7 °C	0.999	0.999

Pdh Tj = 12°C	10.49 kW	10.07 kW
COP Tj = 12°C	5.31	4.57
Cdh Tj = +12 °C	0.999	0.999
Pdh Tj = Tbiv	10.18 kW	9.43 kW
COP Tj = Tbiv	4.60	3.17
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.15 kW	9.31 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.55	3.04
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	10 W	10 W
PSB	10 W	10 W
PCK	W	W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.26 kW	1.25 kW
Annual energy consumption Qhe	4904 kWh	5836 kWh