

Subtype DVI BW-407-5

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-407-5
Registration number	037-0178-24
Heat Pump Type	Brine/Water
Refrigerant	R407c
Mass of Refrigerant	1.3 kg
Certification Date	09.05.2024
Testing basis	HP Keymark scheme rules rev. no. 12
Testing laboratory	SZU Brno, CZ

Model DVI BW-407-5

Model name	DVI BW-407-5
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	Yes

Brine/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	5.00 kW	4.62 kW
El input	1.04 kW	1.46 kW
COP	4.82	3.17

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level indoor	55 dB(A)	55 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
η_s	196 %	147 %
Prated	5.66 kW	5.27 kW
SCOP	5.10	3.88
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	5.01 kW	4.66 kW
COP Tj = -7°C	4.86	3.32
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	5.05 kW	4.80 kW
COP Tj = +2°C	5.12	3.87
Cdh Tj = +2 °C	0.998	0.998
Pdh Tj = +7°C	5.10 kW	4.87 kW
COP Tj = +7°C	5.36	4.24

Cdh Tj = +7 °C	0.998	0.998
Pdh Tj = 12°C	5.15 kW	4.94 kW
COP Tj = 12°C	5.59	4.66
Cdh Tj = +12 °C	0.998	0.998
Pdh Tj = Tbiv	5.01 kW	4.66 kW
COP Tj = Tbiv	4.86	3.32
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.00 kW	4.62 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.82	3.17
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	11 W	11 W
PCK	W	W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.62 kW	0.61 kW
Annual energy consumption Qhe	2291 kWh	2809 kWh