

Subtype DVI AW-410-40

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-410-40
Registration number	037-0171-24
Heat Pump Type	Outdoor Air/Water
Refrigerant	R410A
Mass of Refrigerant	10 kg
Certification Date	09.05.2024
Testing basis	HP Keymark scheme rules rev. no. 12
Testing laboratory	SZU Brno, CZ

Model DVI AW-410-40

Model name	DVI AW-410-40
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	40.12 kW	39.93 kW
El input	9.85 kW	10.03 kW
COP	4.07	3.98

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
η_s	146 %	126 %
Prated	31.41 kW	30.34 kW
SCOP	3.73	3.22
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	27.79 kW	26.84 kW
COP Tj = -7°C	2.99	2.13
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	35.53 kW	34.48 kW
COP Tj = +2°C	3.68	3.16
Cdh Tj = +2 °C	1.000	1.000
Pdh Tj = +7°C	40.12 kW	39.93 kW
COP Tj = +7°C	4.07	3.98

Cdh Tj = +7 °C	1.000	1.000
Pdh Tj = 12°C	53.05 kW	52.40 kW
COP Tj = 12°C	5.21	4.99
Cdh Tj = +12 °C	1.000	1.000
Pdh Tj = Tbiv	27.79 kW	26.84 kW
COP Tj = Tbiv	2.99	2.13
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	26.12 kW	25.49 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.83	2.08
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	60 °C	60 °C
Poff	4 W	4 W
PTO	4 W	4 W
PSB	10 W	10 W
PCK	W	W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	4.88 kW	4.47 kW
Annual energy consumption Qhe	17408 kWh	19444 kWh