Subtype DVI AW-290-16

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-290-16
Registration number	037-0175-24
Heat Pump Type	Outdoor Air/Water
Refrigerant	R290
Mass of Refrigerant	1.35 kg
Certification Date	09.05.2024
Testing basis	HP Keymark scheme rules rev. no. 12
Testing laboratory	SZU Brno, CZ

Model DVI AW-290-16	
Model name	DVI AW-290-16
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	17.20 kW	16.30 kW
El input	3.93 kW	4.30 kW
COP	4.37	3.78

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level outdoor	57 dB(A)	57 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
ηs	183 %	151 %
Prated	11.16 kW	10.22 kW
SCOP	4.64	3.85
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	9.48 kW	9.09 kW
COP Tj = -7°C	3.09	2.44
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	6.04 kW	5.50 kW
COP Tj = +2°C	4.61	3.92
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	3.80 kW	3.35 kW
COP Tj = +7°C	5.63	4.86

Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	3.33 kW	3.68 kW
COP Tj = 12°C	7.20	4.97
Cdh Tj = +12 °C	0.998	0.998
Pdh Tj = Tbiv	11.16 kW	10.22 kW
COP Tj = Tbiv	2.81	2.29
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.16 kW	10.22 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.81	2.29
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	70 °C	70 °C
Poff	8 W	8 W
PTO	8 W	8 W
PSB	8 W	8 W
PCK	W	W
Supplementary Heater: Type of energy input	n/a	n/a
Supplementary Heater: PSUP	kW	kW
Annual energy consumption Qhe	4964 kWh	5479 kWh