CEN heat pump KEYMARK

Subtype DVI AW-290-7	
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-290-7
Registration number	037-0173-24
Heat Pump Type	Outdoor Air/Water
Refrigerant	R290
Mass of Refrigerant	1.1 kg
Certification Date	09.05.2024
Testing basis	HP Keymark scheme rules rev. no. 12
Testing laboratory	SZU Brno, CZ

This information was generated by the HP KEYMARK database on 25.09.2025

CEN heat pump KEYMARK

Model DVI AW-290-7

Model name	DVI AW-290-7
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	8.80 kW	8.02 kW
El input	1.90 kW	2.41 kW
COP	4.62	3.32

EN 12102-1 | Average Climate

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

EN 14825 | Average Climate

	Low temperature	Medium temperature
η_s	181 %	146 %
Prated	4.97 kW	4.66 kW
SCOP	4.71	3.71
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	4.34 kW	4.14 kW
COP Tj = -7°C	2.90	2.32
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	2.90 kW	2.72 kW
COP Tj = +2°C	5.06	3.88
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	1.63 kW	1.68 kW
COP Tj = +7°C	5.45	4.30

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Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	0.74 kW	1.90 kW
COP Tj = 12°C	6.71	5.90
Cdh Tj = +12 °C	0.900	0.996
Pdh Tj = Tbiv	4.97 kW	4.66 kW
COP Tj = Tbiv	2.71	2.20
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.97 kW	4.66 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.71	2.10
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	0 W	0 W
Supplementary Heater: Type of energy input	n/a	n/a
Supplementary Heater: PSUP	kW	kW
Annual energy consumption Qhe	2178 kWh	2599 kWh

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