

Subtype ACDC Thermal Series

Certificate Holder	Ningbo Deye Domestic Electrical Appliance Technology Co., Ltd
Address	No.568, South Rixian Road, Binhai Economic Development Zone
ZIP	315300
City	Cixi, Ningbo, Zhejiang
Country	CN
Certification Body	DIN CERTCO Gesellschaft für Konformitätsbewertung mbH
Subtype title	ACDC Thermal Series
Registration number	011-1W1067
Heat Pump Type	Outdoor Air/Water
Refrigerant	R290
Mass of Refrigerant	1.1 kg
Certification Date	02.07.2025
Testing basis	HP KEYMARK certification scheme rules rev. 14
Testing laboratory	Intertek Testing Services Shenzhen LTD. Guangzhou Branch, CN

Model DAWG1-ACDC-10R3EP

Model name	DAWG1-ACDC-10R3EP
Application	Heating (medium temp)
Units	Outdoor
Climate zone (for heating)	n/a
Reversibility	Yes
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

General data

Power supply	1x230V 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	10.00 kW	9.50 kW
El input	2.13 kW	3.11 kW
COP	4.70	3.05

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
η_s	211 %	164 %
Prated	9.50 kW	8.00 kW
SCOP	5.35	4.17
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	8.63 kW	7.27 kW
COP Tj = -7°C	3.10	2.52
Cdh Tj = -7 °C	0.996	0.996
Pdh Tj = +2°C	5.17 kW	4.37 kW
COP Tj = +2°C	5.10	4.05
Cdh Tj = +2 °C	0.988	0.989
Pdh Tj = +7°C	3.28 kW	2.80 kW

COP Tj = +7°C	7.56	5.49
Cdh Tj = +7 °C	0.972	0.976
Pdh Tj = 12°C	2.64 kW	2.53 kW
COP Tj = 12°C	10.17	7.80
Cdh Tj = +12 °C	0.954	0.963
Pdh Tj = Tbiv	8.63 kW	7.27 kW
COP Tj = Tbiv	3.10	2.52
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	8.24 kW	6.99 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.98	2.24
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.996	0.996
WTOL	75 °C	75 °C
Poff	11 W	11 W
PTO	12 W	12 W
PSB	11 W	11 W
PCK	1 W	1 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.30 kW	1.00 kW
Annual energy consumption Qhe	3671 kWh	3960 kWh