

Subtype ACDC Thermal Series

Certificate Holder	Zhejiang Deye Electrical Appliances Co., Ltd.
Address	No.889 Waitang Road
ZIP	314300
City	Haiyan, Jiaxing, Zhejiang
Country	CN
Certification Body	DIN CERTCO Gesellschaft für Konformitätsbewertung mbH
Subtype title	ACDC Thermal Series
Registration number	011-1W1207
Heat Pump Type	Outdoor Air/Water
Refrigerant	R290
Mass of Refrigerant	1.43 kg
Certification Date	09.02.2026
Testing basis	HP KEYMARK certification scheme rules rev. 15
Testing laboratory	Intertek Testing Services Shenzhen LTD. Guangzhou Branch, CN

Model DAWG1-ACDC2-12R3EP

Model name	DAWG1-ACDC2-12R3EP
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	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	12.00 kW	12.00 kW
El input	2.50 kW	3.87 kW
COP	4.80	3.10

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	201 %	154 %
Prated	12.10 kW	12.10 kW
SCOP	5.09	3.94
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	10.90 kW	10.82 kW
COP Tj = -7°C	3.09	2.41
Cdh Tj = -7 °C	0.995	0.996
Pdh Tj = +2°C	6.55 kW	6.71 kW
COP Tj = +2°C	4.73	3.70
Cdh Tj = +2 °C	0.986	0.990
Pdh Tj = +7°C	4.32 kW	4.22 kW

COP Tj = +7°C	7.35	5.40
Cdh Tj = +7 °C	0.968	0.976
Pdh Tj = 12°C	3.94 kW	3.83 kW
COP Tj = 12°C	9.85	7.76
Cdh Tj = +12 °C	0.953	0.962
Pdh Tj = Tbiv	10.90 kW	10.82 kW
COP Tj = Tbiv	3.09	2.41
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.55 kW	10.53 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.92	2.19
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.995	0.996
WTOL	75 °C	75 °C
Poff	19 W	19 W
PTO	19 W	19 W
PSB	19 W	19 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.60 kW	1.60 kW
Annual energy consumption Qhe	4909 kWh	6352 kWh

Model DAWG1-ACDC2-16R3EP

Model name	DAWG1-ACDC2-16R3EP
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	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	15.00 kW	15.00 kW
El input	3.41 kW	5.26 kW
COP	4.40	2.85

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level outdoor	58 dB(A)	58 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
η_s	193 %	148 %
Prated	14.70 kW	14.50 kW
SCOP	4.90	3.77
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	13.15 kW	13.30 kW
COP Tj = -7°C	2.73	2.24
Cdh Tj = -7 °C	0.996	0.997
Pdh Tj = +2°C	8.04 kW	7.79 kW
COP Tj = +2°C	4.60	3.49
Cdh Tj = +2 °C	0.989	0.991
Pdh Tj = +7°C	5.10 kW	5.16 kW

COP Tj = +7°C	7.28	5.41
Cdh Tj = +7 °C	0.973	0.980
Pdh Tj = 12°C	3.94 kW	3.83 kW
COP Tj = 12°C	9.85	7.76
Cdh Tj = +12 °C	0.953	0.962
Pdh Tj = Tbiv	13.15 kW	13.30 kW
COP Tj = Tbiv	2.73	2.24
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	12.98 kW	12.72 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.68	2.07
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.996	0.997
WTOL	75 °C	75 °C
Poff	19 W	19 W
PTO	19 W	19 W
PSB	19 W	19 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.70 kW	1.80 kW
Annual energy consumption Qhe	6201 kWh	7946 kWh