

Subtype Air to Water Heat Pump

Certificate Holder	Fairland iGarden Co., Ltd.
Address	301-308, Building 2, No. 4 Hongning Road, Huangpu District
ZIP	510700
City	Guangzhou City, Guangdong Province
Country	CN
Certification Body	DIN CERTCO Gesellschaft für Konformitätsbewertung mbH
Subtype title	Air to Water Heat Pump
Registration number	011-1W1245
Heat Pump Type	Outdoor Air/Water
Refrigerant	R290
Mass of Refrigerant	1.3 kg
Certification Date	14.04.2026
Testing basis	HP KEYMARK certification scheme rules rev. 15
Testing laboratory	TÜV Rheinland (GuangDong) Ltd., CN

Model iGXC11T

Model name	iGXC11T
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	10.69 kW	9.60 kW
El input	2.06 kW	3.00 kW
COP	5.19	3.19

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level outdoor	51 dB(A)	61 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
η_s	205 %	154 %
Prated	10.69 kW	9.60 kW
SCOP	5.19	3.91
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	9.45 kW	8.48 kW
COP Tj = -7°C	3.13	2.39
Cdh Tj = -7 °C	0.990	0.990
Pdh Tj = +2°C	5.56 kW	5.47 kW
COP Tj = +2°C	5.03	3.76
Cdh Tj = +2 °C	0.980	0.990
Pdh Tj = +7°C	3.61 kW	3.42 kW

COP Tj = +7°C	6.93	5.15
Cdh Tj = +7 °C	0.960	0.970
Pdh Tj = 12°C	3.53 kW	3.47 kW
COP Tj = 12°C	9.73	7.64
Cdh Tj = +12 °C	0.950	0.960
Pdh Tj = Tbiv	9.45 kW	8.48 kW
COP Tj = Tbiv	3.13	2.39
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	9.94 kW	9.12 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.58	2.03
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.000	1.000
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	0.75 kW	0.48 kW
Annual energy consumption Qhe	4255 kWh	5070 kWh

Model iGXC11

Model name	iGXC11
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

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Heat output	10.69 kW	9.60 kW
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