

Subtype Air To Water Heat Pump - R32 - Monobloc - 180

Certificate Holder	Guangdong New Energy Technology Co., Ltd.
Address	NO.125, Chuangyou Road
ZIP	511340
City	Guangdong
Country	CN
Certification Body	DIN CERTCO Gesellschaft für Konformitätsbewertung mbH
Subtype title	Air To Water Heat Pump - R32 - Monobloc - 180
Registration number	011-1W1060
Heat Pump Type	Outdoor Air/Water
Refrigerant	R32
Mass of Refrigerant	2.3 kg
Certification Date	18.06.2025
Testing basis	HP KEYMARK certification scheme rules rev. 14
Testing laboratory	TÜV Rheinland (GuangDong) Ltd., CN

**Model NE-F180HCR4TINEMV2-SA**

Model name	NE-F180HCR4TINEMV2-SA
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	12.48 kW	12.61 kW
El input	2.83 kW	4.33 kW
COP	4.40	2.91

**EN 12102-1 | Average Climate**

	Low temperature	Medium temperature
Sound power level outdoor	59 dB(A)	59 dB(A)

**EN 14825 | Average Climate**

	Low temperature	Medium temperature
$\eta_s$	193 %	141 %
Prated	12.30 kW	12.53 kW
SCOP	4.89	3.59
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	10.68 kW	11.15 kW
COP Tj = -7°C	3.16	2.21
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	6.46 kW	6.73 kW
COP Tj = +2°C	4.65	3.47
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	7.43 kW	7.24 kW

COP Tj = +7°C	6.63	4.82
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	8.66 kW	8.46 kW
COP Tj = 12°C	8.68	6.41
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	12.30 kW	12.53 kW
COP Tj = Tbiv	2.69	2.02
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	12.30 kW	12.53 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.69	2.02
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	75 °C	75 °C
Poff	20 W	20 W
PTO	30 W	30 W
PSB	20 W	20 W
PCK	40 W	40 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	5197 kWh	7210 kWh

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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

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Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

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