

Subtype Air To Water Heat Pump - R32 - Monobloc - 90

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 - 90
Registration number	011-1W1058
Heat Pump Type	Outdoor Air/Water
Refrigerant	R32
Mass of Refrigerant	1.4 kg
Certification Date	18.06.2025
Testing basis	HP KEYMARK certification scheme rules rev. 14
Testing laboratory	TÜV Rheinland (GuangDong) Ltd., CN

Model NE-F90HCR4INEMV2-SA

Model name	NE-F90HCR4INEMV2-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	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	5.95 kW	5.85 kW
El input	1.26 kW	2.01 kW
COP	4.72	2.91

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level outdoor	52 dB(A)	52 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
η_s	186 %	131 %
Prated	5.77 kW	5.69 kW
SCOP	4.72	3.34
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	5.12 kW	4.95 kW
COP Tj = -7°C	3.17	2.24
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	3.14 kW	2.99 kW
COP Tj = +2°C	4.51	3.18
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	2.65 kW	2.41 kW

COP Tj = +7°C	6.18	4.30
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	3.08 kW	2.98 kW
COP Tj = 12°C	8.36	6.02
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	5.77 kW	5.69 kW
COP Tj = Tbiv	2.86	2.04
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.77 kW	5.69 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.86	2.04
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	75 °C	75 °C
Poff	10 W	10 W
PTO	20 W	20 W
PSB	10 W	10 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	2554 kWh	3518 kWh