

Subtype R290 Monobloc 16kW

Certificate Holder	Qingdao Haier Air Conditioner Electric Co., Ltd.
Address	Haier Development Zone Industrial Park, Economic Development Zone, Qingdao City,
ZIP	
City	Shandong Province
Country	CN
Certification Body	DIN CERTCO Gesellschaft für Konformitätsbewertung mbH
Subtype title	R290 Monobloc 16kW
Registration number	011-1W0830
Heat Pump Type	Outdoor Air/Water
Refrigerant	R290
Mass of Refrigerant	1.25 kg
Certification Date	27.08.2024
Testing basis	HP KEYMARK certification scheme rules V14

Model AW162MXGHA

Model name	AW162MXGHA
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	16.00 kW	15.50 kW
El input	3.23 kW	5.08 kW
COP	4.95	3.05

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level outdoor	66 dB(A)	69 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
η_s	189 %	151 %
Prated	12.00 kW	9.30 kW
SCOP	4.80	3.85
Tbiv	-7 °C	-7 °C
TOL	-25 °C	-25 °C
Pdh Tj = -7°C	10.50 kW	8.18 kW
COP Tj = -7°C	3.28	2.32
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	6.43 kW	4.93 kW
COP Tj = +2°C	4.50	3.73
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	4.20 kW	3.26 kW

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Pdh Tj = 12°C	5.76 kW	5.37 kW
COP Tj = 12°C	8.42	6.65
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	10.50 kW	8.18 kW
COP Tj = Tbiv	3.28	2.32
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	8.98 kW	9.20 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.23	1.85
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	80 °C	80 °C
Poff	18 W	18 W
PTO	18 W	18 W
PSB	18 W	18 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	3.02 kW	0.10 kW
Annual energy consumption Qhe	4381 kWh	4991 kWh

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Reversibility	Yes
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Any additional heat sources	n/a

General data

Power supply	3x230V 50Hz
Off-peak product	n/a

Outdoor Air/Water

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Defrost test	passed
Starting and operating test	passed

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