

## Subtype Air to Water Heat Pump - R290-006

Certificate Holder	Hisense Air Conditioning Co. Ltd.
Address	No. 1 Hisense Road, Nancun Town Pingdu
ZIP	266736
City	Qingdao, Shandong Province
Country	CN
Certification Body	BRE Global Limited
Subtype title	Air to Water Heat Pump - R290-006
Registration number	041-K100-01
Heat Pump Type	Outdoor Air/Water
Refrigerant	R290
Mass of Refrigerant	0.55 kg
Certification Date	13.09.2024
Testing basis	Heat Pump Keymark Scheme Rules Rev 14
Testing laboratory	TÜV SÜD Certification and Testing Co., Ltd. Guangzhou Branch, CN

## Model AHZ-060U4GSB00

Model name	AHZ-060U4GSB00
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	6.07 kW	6.10 kW
El input	1.27 kW	1.95 kW
COP	4.77	3.12

### EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level outdoor	60 dB(A)	60 dB(A)

### EN 14825 | Average Climate

	Low temperature	Medium temperature
$\eta_s$	190 %	146 %
Prated	6.08 kW	6.06 kW
SCOP	4.83	3.71
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	5.37 kW	5.36 kW
COP Tj = -7°C	3.09	2.33
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	3.40 kW	3.33 kW
COP Tj = +2°C	4.68	3.66
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	2.24 kW	2.17 kW

COP Tj = +7°C	6.20	4.70
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	2.36 kW	2.28 kW
COP Tj = 12°C	9.30	7.01
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	5.37 kW	5.36 kW
COP Tj = Tbiv	3.09	2.33
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.03 kW	5.62 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.71	2.06
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	65 °C	65 °C
Poff	10 W	10 W
PTO	30 W	30 W
PSB	10 W	10 W
PCK	42 W	42 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.05 kW	0.44 kW
Annual energy consumption Qhe	2599 kWh	3372 kWh