

Subtype Split Heat pump-R32 KFS-40*, KFS-60*

Certificate Holder	GZ AXEN Heat Pump Technology Co., Ltd.
Address	No.22, Lianyun Erheng Road, Shiqi Village, Shiqi Town, Panyu District
ZIP	511450
City	Guangzhou
Country	CN
Certification Body	DIN CERTCO Gesellschaft für Konformitätsbewertung mbH
Subtype title	Split Heat pump-R32 KFS-40*, KFS-60*
Registration number	011-1W0942
Heat Pump Type	Outdoor Air/Water
Refrigerant	R32
Mass of Refrigerant	1.4 kg
Certification Date	09.01.2025
Testing basis	HP KEYMARK certification scheme rules rev. 14

Model Indoor unit: KFS-40B/EN8BP and outdoor unit : KFS-40W/N8BP

Model name	Indoor unit: KFS-40B/EN8BP and outdoor unit : KFS-40W/N8BP
Application	Heating (medium temp)
Units	Indoor, 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	4.20 kW	4.00 kW
El input	0.86 kW	1.53 kW
COP	4.89	2.62

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level indoor	42 dB(A)	42 dB(A)
Sound power level outdoor	55 dB(A)	56 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
η_s	184 %	128 %
Prated	4.00 kW	4.60 kW
SCOP	4.64	3.24
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	3.54 kW	4.07 kW
COP Tj = -7°C	3.17	2.12
Cdh Tj = -7 °C	0.980	0.990
Pdh Tj = +2°C	2.65 kW	2.51 kW
COP Tj = +2°C	4.78	2.99

Cdh Tj = +2 °C	0.960	0.980
Pdh Tj = +7°C	2.69 kW	2.42 kW
COP Tj = +7°C	5.91	4.61
Cdh Tj = +7 °C	0.950	0.960
Pdh Tj = 12°C	2.60 kW	2.52 kW
COP Tj = 12°C	8.29	6.38
Cdh Tj = +12 °C	0.920	0.940
Pdh Tj = Tbiv	3.54 kW	4.07 kW
COP Tj = Tbiv	3.17	2.12
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	3.24 kW	3.81 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.74	1.80
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.980	0.990
WTOL	60 °C	60 °C
Poff	7 W	7 W
PTO	20 W	20 W
PSB	7 W	7 W
PCK	21 W	21 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.76 kW	0.79 kW
Annual energy consumption Qhe	1776 kWh	2838 kWh

Model Indoor unit: KFS-60B/EN8BP and outdoor unit: KFS-60W/N8BP

Model name	Indoor unit: KFS-60B/EN8BP and outdoor unit: KFS-60W/N8BP
Application	Heating (medium temp)
Units	Indoor, 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	6.00 kW	6.20 kW
El input	1.23 kW	2.18 kW
COP	4.89	2.84

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level indoor	42 dB(A)	42 dB(A)
Sound power level outdoor	57 dB(A)	58 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
η_s	182 %	130 %
Prated	5.90 kW	5.60 kW
SCOP	4.61	3.33
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	5.21 kW	4.96 kW
COP Tj = -7°C	2.99	2.04
Cdh Tj = -7 °C	0.990	0.990
Pdh Tj = +2°C	3.31 kW	3.09 kW
COP Tj = +2°C	4.54	3.32

Cdh Tj = +2 °C	0.970	0.980
Pdh Tj = +7°C	2.81 kW	2.35 kW
COP Tj = +7°C	6.03	4.35
Cdh Tj = +7 °C	0.950	0.960
Pdh Tj = 12°C	2.58 kW	2.74 kW
COP Tj = 12°C	8.41	6.18
Cdh Tj = +12 °C	0.920	0.940
Pdh Tj = Tbiv	5.21 kW	4.96 kW
COP Tj = Tbiv	2.99	2.04
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.86 kW	4.30 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.60	1.72
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.990	0.990
WTOL	60 °C	60 °C
Poff	7 W	7 W
PTO	20 W	20 W
PSB	7 W	7 W
PCK	21 W	21 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.02 kW	1.31 kW
Annual energy consumption Qhe	2634 kWh	3482 kWh