

## Subtype Samsung EHS LNHT 8kW (space heating)

Certificate Holder	Samsung Electronics Air Conditioner Europe B.V.
Address	Evert van de Beekstraat 310
ZIP	1118 CX
City	Schiphol
Country	NL
Certification Body	DIN CERTCO Gesellschaft für Konformitätsbewertung mbH
Subtype title	Samsung EHS LNHT 8kW (space heating)
Registration number	011-1W0547
Heat Pump Type	Outdoor Air/Water
Refrigerant	R32
Mass of Refrigerant	2.7 kg
Certification Date	27.09.2022
Testing basis	European KEYMARK Scheme for Heat Pumps Rev. 10 (as of 2022-06)

## Model AE080BXYDEG/EU &amp; MIM-E03EN

Model name	AE080BXYDEG/EU & MIM-E03EN
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 12102-1 | Average Climate

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

## EN 14825 | Average Climate

	Low temperature	Medium temperature
$\eta_s$	183 %	132 %
Prated	9.50 kW	9.50 kW
SCOP	4.65	3.37
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	8.40 kW	8.40 kW
COP Tj = -7°C	3.20	2.30
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	5.12 kW	5.12 kW
COP Tj = +2°C	4.55	3.20
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	4.00 kW	4.00 kW
COP Tj = +7°C	5.70	4.39
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	4.00 kW	4.00 kW
COP Tj = 12°C	7.70	5.45
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	8.40 kW	8.40 kW
COP Tj = Tbiv	3.20	2.30

Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	9.40 kW	9.40 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.60	2.05
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	70 °C	70 °C
Poff	22 W	22 W
PTO	22 W	22 W
PSB	22 W	22 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.10 kW	0.10 kW
Annual energy consumption Qhe	4219 kWh	5825 kWh

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Any additional heat sources	n/a

## General data

Power supply	3x400V 50Hz
Off-peak product	n/a

## Outdoor Air/Water

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

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## Model AE080BXYDEG/EU &amp; MIM-E03CN

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Reversibility	Yes
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

## General data

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Off-peak product	n/a

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