

Subtype Hi-Therma Monobloc 8kW

Certificate Holder	Johnson Controls Hitachi Air-Conditioning Europe SAS
Address	Parc Aktiland II - 2, Rue de Lombardie
ZIP	69800
City	SAINT PRIEST
Country	FR
Certification Body	BRE Global Limited
Subtype title	Hi-Therma Monobloc 8kW
Registration number	041-K064-02
Heat Pump Type	Outdoor Air/Water
Refrigerant	R32
Mass of Refrigerant	1.21 kg
Certification Date	14.08.2023
Testing basis	Heat Pump Keymark Scheme Rules Rev 12

Model HZKF08KME-Q

Model name	HZKF08KME-Q
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	64 dB(A)	64 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
η_s	197 %	137 %
Prated	6.52 kW	6.07 kW
SCOP	5.00	3.50
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	5.74 kW	5.34 kW
COP Tj = -7°C	3.09	2.18
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	3.47 kW	3.11 kW
COP Tj = +2°C	4.76	3.41
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	2.44 kW	2.09 kW
COP Tj = +7°C	6.65	4.36
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	1.48 kW	1.23 kW
COP Tj = 12°C	9.58	6.52
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	5.74 kW	5.34 kW
COP Tj = Tbiv	3.09	2.18

Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.14 kW	5.81 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.84	1.72
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	60 °C	60 °C
Poff	10 W	10 W
PTO	11 W	11 W
PSB	10 W	10 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.37 kW	0.25 kW
Annual energy consumption Qhe	2680 kWh	3574 kWh