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Summary of	Hi-Therma Split 8kW	Reg. No.	041-K021-02
Certificate Holder			
Name	Qingdao Hisense Hitachi Air-conditioning Systems Co.,Ltd.		
Address	Qianwangang Road	Zip	266555
City	Qingdao, Shandong	Country	China
Certification Body	BRE Global Limited		
Subtype title	Hi-Therma Split 8kW		
Heat Pump Type	Outdoor Air/Water		
Refrigerant	R32		
Mass of Refrigerant	1.26 kg		
Certification Date	22.11.2021		
Testing basis	Heat Pump Keymark Scheme Rules Rev 08		

Model: AHW-080HCDS1+AHM-080HCDSAA

Configure model	
Model name	AHW-080HCDS1+AHM-080HCDSAA
Application	Heating (medium temp)
Units	Indoor + Outdoor
Climate Zone	n/a
Reversibility	Yes
Cooling mode application (optional)	n/a

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	8.14 kW	8.06 kW
El input	1.64 kW	2.79 kW
COP	4.96	2.89

EN 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

Average Climate

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EN 12102-1

	Low temperature	Medium temperature
Sound power level indoor	42 dB(A)	42 dB(A)
Sound power level outdoor	64 dB(A)	64 dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	194 %	134 %
Prated	6.54 kW	5.88 kW
SCOP	4.92	3.42
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	5.76 kW	5.17 kW
COP Tj = -7°C	3.14	1.85
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	3.52 kW	3.16 kW
COP Tj = +2°C	4.84	3.40
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	2.32 kW	2.15 kW
COP Tj = +7°C	5.98	4.50
Cdh Tj = +7 °C	0.900	0.900

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Pdh Tj = 12°C	1.98 kW	2.14 kW
COP Tj = 12°C	9.67	7.71
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	5.76 kW	5.17 kW
COP Tj = Tbiv	3.14	1.85
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.16 kW	5.67 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.66	1.54
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	1 W	1 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.37 kW	0.20 kW
Annual energy consumption Qhe	2732 kWh	3536 kWh