

Subtype Versati Split G1 8-10kW

Certificate Holder	Gree Electric Appliances, Inc. of Zhuhai
Address	West Jinji Rd
ZIP	519070
City	Qianshan, Zhuhai, Guangdong
Country	CN
Certification Body	BRE Global Limited
Subtype title	Versati Split G1 8-10kW
Registration number	041-K004-09
Heat Pump Type	Outdoor Air/Water
Refrigerant	R32
Mass of Refrigerant	1.6 kg
Certification Date	20.01.2021
Testing basis	HP Keymark Scheme Rules Rev 08

Model GRS-CQ8.0Pd/NhH-E+SXTVD300LC/B-E

Model name	GRS-CQ8.0Pd/NhH-E+SXTVD300LC/B-E
Application	Heating + DHW
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 16147 | Average Climate

Declared load profile	XL
Efficiency η_{DHW}	116 %
COP	2.76
Heating up time	2.7 h:min
Standby power input	54.5 W
Reference hot water temperature	52.8 °C
Mixed water at 40°C	341 l

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	7.98 kW	
El input	2.60 kW	
COP	3.06	

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level indoor	42 dB(A)	
Sound power level outdoor	67 dB(A)	

EN 14825 | Average Climate

	Low temperature	Medium temperature
η_s	129 %	
Prated	7.00 kW	

SCOP	3.31
Tbiv	-7 °C
TOL	-10 °C
Pdh Tj = -7°C	6.34 kW
COP Tj = -7°C	2.24
Cdh Tj = -7 °C	0.99
Pdh Tj = +2°C	4.08 kW
COP Tj = +2°C	3.18
Cdh Tj = +2 °C	0.98
Pdh Tj = +7°C	4.26 kW
COP Tj = +7°C	4.26
Cdh Tj = +7 °C	0.97
Pdh Tj = 12°C	5.01 kW
COP Tj = 12°C	5.93
Cdh Tj = +12 °C	0.97
Pdh Tj = Tbiv	6.34 kW
COP Tj = Tbiv	2.24
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.29 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	1.79
WTOL	60 °C
Poff	25 W
PTO	25 W
PSB	25 W
PCK	25 W
Supplementary Heater: Type of energy input	Electricity
Supplementary Heater: PSUP	0.70 kW
Annual energy consumption Qhe	4371 kWh

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Application	Heating + DHW
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 16147 | Average Climate

Declared load profile	XL
Efficiency η_{DHW}	116 %
COP	2.76
Heating up time	2.7 h:min
Standby power input	54.5 W
Reference hot water temperature	52.8 °C
Mixed water at 40°C	341 l

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	9.47 kW	
El input	3.12 kW	
COP	3.04	

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level indoor	42 dB(A)	
Sound power level outdoor	68 dB(A)	

EN 14825 | Average Climate

	Low temperature	Medium temperature
η_s	127 %	
Prated	8.00 kW	

SCOP	3.25
Tbiv	-7 °C
TOL	-10 °C
Pdh Tj = -7°C	6.91 kW
COP Tj = -7°C	2.12
Cdh Tj = -7 °C	0.99
Pdh Tj = +2°C	4.22 kW
COP Tj = +2°C	3.09
Cdh Tj = +2 °C	0.98
Pdh Tj = +7°C	4.27 kW
COP Tj = +7°C	4.34
Cdh Tj = +7 °C	0.97
Pdh Tj = 12°C	4.91 kW
COP Tj = 12°C	5.91
Cdh Tj = +12 °C	0.97
Pdh Tj = Tbiv	6.91 kW
COP Tj = Tbiv	2.12
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.85 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	1.75
WTOL	60 °C
Poff	25 W
PTO	25 W
PSB	25 W
PCK	25 W
Supplementary Heater: Type of energy input	Electricity
Supplementary Heater: PSUP	1.20 kW
Annual energy consumption Qhe	5091 kWh