Subtype Versati monobloc G1 12kW

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 monobloc G1 12kW
Registration number	041-K004-05
Heat Pump Type	Outdoor Air/Water
Refrigerant	R32
Mass of Refrigerant	2.2 kg
Certification Date	18.01.2021
Testing basis	Scheme Rules Rev 08
Testing laboratory	TÜV SÜD Certification and Testing Co., Ltd. Guangzhou Branch, CN

Model GRS-CQ12Pd/NhG2-K+SXTVD300LC/B-E

Model name	GRS-CQ12Pd/NhG2-K+SXTVD300LC/B-E
Application	Heating + DHW
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 16147 | Average Climate

Declared load profile	XL
Efficiency ηDHW	110 %
COP	2.62
Heating up time	1:52 h:min
Standby power input	62.6 W
Reference hot water temperature	52.8 °C
Mixed water at 40°C	372 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	10.50 kW	
El input	4.12 kW	
COP	2.55	

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level outdoor	69 dB(A)	

EN 14825 | Average Climate

	Low temperature	Medium temperature
ηs	126 %	
Prated	10.00 kW	

SCOP	3.23
Tbiv	-7 °C
TOL	-10 °C
Pdh Tj = -7°C	8.40 kW
COP Tj = -7°C	2.05
Cdh Tj = -7 °C	0.98
Pdh Tj = +2°C	5.50 kW
COP Tj = +2°C	3.15
Cdh Tj = +2 °C	0.98
Pdh Tj = +7°C	5.76 kW
COP Tj = +7°C	4.24
Cdh Tj = +7 °C	0.98
Pdh Tj = 12°C	6.36 kW
COP Tj = 12°C	5.06
Cdh Tj = +12 °C	0.98
Pdh Tj = Tbiv	8.40 kW
COP Tj = Tbiv	2.05
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	9.80 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	1.75
WTOL	55 °C
Poff	18 W
PTO	18 W
PSB	18 W
PCK	0 W
Supplementary Heater: Type of energy input	Electricity
Supplementary Heater: PSUP	0.20 kW
Annual energy consumption Qhe	6406 kWh

Model GRS-CQ12Pd/NhG2-M+SXTVD300LC/B-M

Model name	GRS-CQ12Pd/NhG2-M+SXTVD300LC/B-M
Application	Heating + DHW
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	3x400V 50Hz
Off-peak product	n/a

Outdoor Air/Water

EN 16147 | Average Climate

Declared load profile	XL
Efficiency ηDHW	110 %
COP	2.62
Heating up time	1:52 h:min
Standby power input	62.6 W
Reference hot water temperature	52.8 °C
Mixed water at 40°C	372 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	10.50 kW	
El input	4.12 kW	
COP	2.55	

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level outdoor	69 dB(A)	

EN 14825 | Average Climate

	Low temperature	Medium temperature
ηs	126 %	
Prated	10.00 kW	

SCOP	3.23
Tbiv	-7 °C
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Cdh Tj = -7 °C	0.98
Pdh Tj = +2°C	5.50 kW
COP Tj = +2°C	3.15
Cdh Tj = +2 °C	0.98
Pdh Tj = +7°C	5.76 kW
COP Tj = +7°C	4.24
Cdh Tj = +7 °C	0.98
Pdh Tj = 12°C	6.36 kW
COP Tj = 12°C	5.06
Cdh Tj = +12 °C	0.98
Pdh Tj = Tbiv	8.40 kW
COP Tj = Tbiv	2.05
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	9.80 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	1.75
WTOL	55 °C
Poff	18 W
PTO	18 W
PSB	18 W
PCK	0 W
Supplementary Heater: Type of energy input	Electricity
Supplementary Heater: PSUP	0.20 kW
Annual energy consumption Qhe	6406 kWh

Model GRS-CQ12Pd/NhG-K+SXTVD300LC/B-E

Model name	GRS-CQ12Pd/NhG-K+SXTVD300LC/B-E
Application	Heating + DHW
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 16147 | Average Climate

Declared load profile	XL
Efficiency ηDHW	110 %
COP	2.62
Heating up time	1:52 h:min
Standby power input	62.6 W
Reference hot water temperature	52.8 °C
Mixed water at 40°C	372 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	10.50 kW	
El input	4.12 kW	
COP	2.55	

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level outdoor	69 dB(A)	

EN 14825 | Average Climate

	Low temperature	Medium temperature
ηs	126 %	
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COP Tj = +2°C	3.15
Cdh Tj = +2 °C	0.98
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Model GRS-CQ12Pd/NhG-M+SXTVD300LC/B-M		
Model name	GRS-CQ12Pd/NhG-M+SXTVD300LC/B-M	
Application	Heating + DHW	
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	3x400V 50Hz	
Off-peak product	n/a	
Outdoor Air/Water		
EN 16147 | Average Climate		
Declared load profile	XL	
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Shutting off the heat transfer medium flow	passed	
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EN 14511-2 | Heating		
	Low temperature	Medium temperature
Heat output	10.50 kW	
El input	4.12 kW	
COP	2.55	
EN 12102-1 | Average Climate		
	Low temperature	Medium temperature
Sound power level outdoor	69 dB(A)	
EN 14825 | Average Climate		
	Low temperature	Medium temperature
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Pdh Tj = 12°C	6.36 kW
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