

Page 1 of 17

	$\overline{}$	\sim	П	n	
_	u	u	ш	ш	

Summary of	Versati monobloc G1 12kW	Reg. No.	041-K004-05	
Certificate Holder				
Name	Gree Electric Appliances, Inc. of Zhuhai			
Address	West Jinji Rd	West Jinji Rd Zip 519070		
City	Qianshan, Zhuhai, Guangdong	Country	China	
Certification Body	BRE Global Limited	BRE Global Limited		
Subtype title	Versati monobloc G1 12kW			
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			



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

Configure model		
Model name	GRS-CQ12Pd/NhG2-K+SXTVD300LC/B-E	
Application	Heating + DHW	
Units	Outdoor	
Climate Zone	n/a	
Reversibility	Yes	
Cooling mode application (optional)	n/a	

General Data		
Power supply	1x230V 50Hz	

Heating

EN 14511-2		
Medium temperature		
Heat output	10.50 kW	
El input	4.12 kW	
СОР	2.55	

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



EN 12102-1	
Medium temperature	
Sound power level outdoor	69 dB(A)

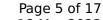
EN 14825		
	Medium temperature	
η_{s}	126 %	
Prated	10.00 kW	
SCOP	3.23	
Tbiv	-7 °C	
TOL	-10 °C	
Pdh Tj = -7°C	8.40 kW	
COP Tj = -7°C	2.05	
Cdh Tj = -7 °C	0.98	
Pdh Tj = $+2$ °C	5.50 kW	
$COP Tj = +2^{\circ}C$	3.15	
Cdh Tj = +2 °C	0.98	
Pdh Tj = $+7^{\circ}$ C	5.76 kW	
$COP Tj = +7^{\circ}C$	4.24	
Cdh 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
РТО	18 W
PSB	18 W
PCK	o w
Supplementary Heater: Type of energy input	Electricity
Supplementary Heater: PSUP	0.20 kW
Annual energy consumption Qhe	6406 kWh

Domestic Hot Water (DHW)





EN 16147	
Declared load profile	XL
Efficiency ηDHW	110 %
СОР	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 I



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

Configure model		
Model name	GRS-CQ12Pd/NhG2-M+SXTVD300LC/B-M	
Application	Heating + DHW	
Units	Outdoor	
Climate Zone	n/a	
Reversibility	Yes	
Cooling mode application (optional)	n/a	

General Data		
Power supply	3x400V 50Hz	

Heating

EN 14511-2	
	Medium temperature
Heat output	10.50 kW
El input	4.12 kW
СОР	2.55

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



EN 12102-1	
	Medium temperature
Sound power level outdoor	69 dB(A)

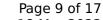
EN 14825	
	Medium temperature
η_{s}	126 %
Prated	10.00 kW
SCOP	3.23
Tbiv	-7 °C
TOL	-10 °C
Pdh Tj = -7°C	8.40 kW
COP Tj = -7°C	2.05
Cdh Tj = -7 °C	0.98
Pdh Tj = +2°C	5.50 kW
$COP Tj = +2^{\circ}C$	3.15
Cdh Tj = +2 °C	0.98
Pdh Tj = +7°C	5.76 kW
COP Tj = +7°C	4.24
Cdh Tj = +7 °C	0.98
Pdh Tj = 12°C	6.36 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
РТО	18 W
PSB	18 W
PCK	o w
Supplementary Heater: Type of energy input	Electricity
Supplementary Heater: PSUP	0.20 kW
Annual energy consumption Qhe	6406 kWh

Domestic Hot Water (DHW)





EN 16147	
Declared load profile	XL
Efficiency ηDHW	110 %
СОР	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 I



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

Configure model		
Model name	GRS-CQ12Pd/NhG-K+SXTVD300LC/B-E	
Application	Heating + DHW	
Units	Outdoor	
Climate Zone	n/a	
Reversibility	Yes	
Cooling mode application (optional)	n/a	

General Data		
Power supply	1x230V 50Hz	

Heating

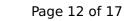
EN 14511-2	
	Medium temperature
Heat output	10.50 kW
El input	4.12 kW
СОР	2.55

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



EN 12102-1	
	Medium temperature
Sound power level outdoor	69 dB(A)

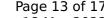
EN 14825	
	Medium temperature
η_s	126 %
Prated	10.00 kW
SCOP	3.23
Tbiv	-7 °C
TOL	-10 °C
Pdh Tj = -7°C	8.40 kW
COP Tj = -7°C	2.05
Cdh Tj = -7 °C	0.98
Pdh Tj = +2°C	5.50 kW
COP Tj = +2°C	3.15
Cdh Tj = +2 °C	0.98
Pdh Tj = +7°C	5.76 kW
$COP Tj = +7^{\circ}C$	4.24
Cdh Tj = +7 °C	0.98
Pdh Tj = 12°C	6.36 kW





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

Domestic Hot Water (DHW)





$$\operatorname{\textit{Page}}\ 13$$ of 17 This information was generated by the HP KEYMARK database on 18 Mar 2022

EN 16147	
Declared load profile	XL
Efficiency ηDHW	110 %
СОР	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 I

Model: GRS-CQ12Pd/NhG-M+SXTVD300LC/B-M

Configure model		
Model name GRS-CQ12Pd/NhG-M+SXTVD300LC/B-M		
Application	Heating + DHW	
Units	Outdoor	
Climate Zone	n/a	
Reversibility	Yes	
Cooling mode application (optional)	n/a	

General Data		
Power supply 3x400V 50Hz		

Heating

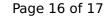
EN 14511-2		
Medium temperature		
Heat output	10.50 kW	
El input	4.12 kW	
СОР	2.55	

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



EN 12102-1	
Medium temperature	
Sound power level outdoor	69 dB(A)

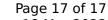
EN 14825	
	Medium temperature
η_{s}	126 %
Prated	10.00 kW
SCOP	3.23
Tbiv	-7 °C
TOL	-10 °C
Pdh Tj = -7° C	8.40 kW
COP Tj = -7°C	2.05
Cdh Tj = -7 °C	0.98
Pdh Tj = $+2$ °C	5.50 kW
$COP Tj = +2^{\circ}C$	3.15
Cdh Tj = +2 °C	0.98
Pdh Tj = $+7^{\circ}$ C	5.76 kW
$COP Tj = +7^{\circ}C$	4.24
Cdh Tj = +7 °C	0.98
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
РТО	18 W
PSB	18 W
PCK	o w
Supplementary Heater: Type of energy input	Electricity
Supplementary Heater: PSUP	0.20 kW
Annual energy consumption Qhe	6406 kWh

Domestic Hot Water (DHW)





EN 16147	
Declared load profile	XL
Efficiency ηDHW	110 %
СОР	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