

Page 1 of 17

This information was generated by the HP KEYMARK database on 22 Jun 2022

<u>Login</u>

Summary of	Versati monobloc G1 16kW	Reg. No.	041-K004-07	
Certificate Holder				
Name	Gree Electric Appliances, Inc. of Zhuh	Gree Electric Appliances, Inc. of Zhuhai		
Address	West Jinji Rd	Zip	519070	
City	Qianshan, Zhuhai, Guangdong	Country	China	
Certification Body	BRE Global Limited	BRE Global Limited		
Subtype title	Versati monobloc G1 16kW	Versati monobloc G1 16kW		
Heat Pump Type	Outdoor Air/Water	Outdoor Air/Water		
Refrigerant	R32			
Mass of Refrigerant	2.2 kg	2.2 kg		
Certification Date	18.01.2021	18.01.2021		
Testing basis	Scheme Rules Rev 08			



Model: GRS-CQ16Pd/NhG2-K+SXTVD300LC/B-E

Configure model		
Model name	GRS-CQ16Pd/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	16.71 kW
El input	5.90 kW
СОР	2.83

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	72 dB(A)

EN 14825	
	Medium temperature
η_{s}	126 %
Prated	13.00 kW
SCOP	3.24
Tbiv	-7 °C
TOL	-10 °C
Pdh Tj = -7°C	11.98 kW
COP Tj = -7°C	2.05
Cdh Tj = -7 °C	0.98
Pdh Tj = +2°C	7.41 kW
COP Tj = +2°C	3.19
Cdh Tj = +2 °C	0.98
Pdh Tj = +7°C	5.70 kW
COP Tj = +7°C	4.18
Cdh Tj = +7 °C	0.98
Pdh Tj = 12°C	6.38 kW





COP Tj = 12°C	5.14
Cdh Tj = +12 °C	0.98
Pdh Tj = Tbiv	11.98 kW
COP Tj = Tbiv	2.05
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.41 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	1.78
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	2.59 kW
Annual energy consumption Qhe	8292 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-CQ16Pd/NhG2-M+SXTVD300LC/B-M

Configure model		
Model name	GRS-CQ16Pd/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	16.71 kW
El input	5.90 kW
СОР	2.83

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	72 dB(A)

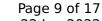
EN 14825	
	Medium temperature
η_{S}	126 %
Prated	13.00 kW
SCOP	3.24
Tbiv	-7 °C
TOL	-10 °C
Pdh Tj = -7°C	11.98 kW
COP Tj = -7°C	2.05
Cdh Tj = -7 °C	0.98
Pdh Tj = +2°C	7.41 kW
COP Tj = +2°C	3.19
Cdh Tj = +2 °C	0.98
Pdh Tj = +7°C	5.70 kW
$COP Tj = +7^{\circ}C$	4.18
Cdh Tj = +7 °C	0.98
Pdh Tj = 12°C	6.38 kW





COP Tj = 12°C	5.14
Cdh Tj = +12 °C	0.98
Pdh Tj = Tbiv	11.98 kW
COP Tj = Tbiv	2.05
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.41 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	1.78
WTOL	55 °C
Poff	18 W
РТО	18 W
PSB	18 W
PCK	0 W
Supplementary Heater: Type of energy input	Electricity
Supplementary Heater: PSUP	2.59 kW
Annual energy consumption Qhe	8292 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-CQ16Pd/NhG-K+SXTVD300LC/B-E

Configure model		
Model name	GRS-CQ16Pd/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

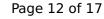
EN 14511-2	
	Medium temperature
Heat output	16.71 kW
El input	5.90 kW
СОР	2.83

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	72 dB(A)

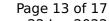
EN 14825	
	Medium temperature
η_s	126 %
Prated	13.00 kW
SCOP	3.24
Tbiv	-7 °C
TOL	-10 °C
Pdh Tj = -7°C	11.98 kW
COP Tj = -7°C	2.05
Cdh Tj = -7 °C	0.98
Pdh Tj = +2°C	7.41 kW
$COP Tj = +2^{\circ}C$	3.19
Cdh Tj = +2 °C	0.98
Pdh Tj = +7°C	5.70 kW
$COP Tj = +7^{\circ}C$	4.18
Cdh Tj = +7 °C	0.98
Pdh Tj = 12°C	6.38 kW





COP Tj = 12°C	5.14
Cdh Tj = +12 °C	0.98
Pdh Tj = Tbiv	11.98 kW
COP Tj = Tbiv	2.05
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.41 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	1.78
WTOL	55 °C
Poff	18 W
РТО	18 W
PSB	18 W
PCK	0 W
Supplementary Heater: Type of energy input	Electricity
Supplementary Heater: PSUP	2.59 kW
Annual energy consumption Qhe	8292 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-CQ16Pd/NhG-M+SXTVD300LC/B-M

Configure model		
Model name	GRS-CQ16Pd/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

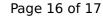
EN 14511-2	
	Medium temperature
Heat output	16.71 kW
El input	5.90 kW
СОР	2.83

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	72 dB(A)

EN 14825	
	Medium temperature
η_{s}	126 %
Prated	13.00 kW
SCOP	3.24
Tbiv	-7 °C
TOL	-10 °C
Pdh Tj = -7°C	11.98 kW
$COP Tj = -7^{\circ}C$	2.05
Cdh Tj = -7 °C	0.98
Pdh Tj = $+2^{\circ}$ C	7.41 kW
$COP Tj = +2^{\circ}C$	3.19
Cdh Tj = +2 °C	0.98
Pdh Tj = $+7^{\circ}$ C	5.70 kW
$COP Tj = +7^{\circ}C$	4.18
Cdh Tj = +7 °C	0.98
Pdh Tj = 12°C	6.38 kW





COP Tj = 12°C	5.14
COP IJ = 12 C	5.14
Cdh Tj = +12 °C	0.98
Pdh Tj = Tbiv	11.98 kW
COP Tj = Tbiv	2.05
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.41 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	1.78
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	2.59 kW
Annual energy consumption Qhe	8292 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