

Subtype VERSATI V Monobloc 16

Certificate Holder	Gree Electric Appliances, Inc. of Zhuhai
Address	West Jinji Rd
ZIP	519070
City	Qianshan, Zhuhai, Guangdong
Country	CN
Certification Body	DIN CERTCO Gesellschaft für Konformitätsbewertung mbH
Subtype title	VERSATI V Monobloc 16
Registration number	011-1W1088
Heat Pump Type	Outdoor Air/Water
Refrigerant	R290
Mass of Refrigerant	1.5 kg
Certification Date	22.08.2025
Testing basis	HP KEYMARK certification scheme rules rev. 14
Testing laboratory	Intertek Testing Services Shenzhen LTD. Guangzhou Branch, CN

**Model GRS-CQ16Pd/NpG4-E**

Model name	GRS-CQ16Pd/NpG4-E
Application	Heating + DHW + low temp
Units	Outdoor
Climate zone (for heating)	Colder, Warmer, Warmer Climate, Colder Climate
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 $\eta_{DHW}$	112 %
COP	2.67
Heating up time	1:31 h:min
Standby power input	56.0 W
Reference hot water temperature	51.3 °C
Mixed water at 40°C	316 l

**EN 16147 | Colder Climate**

Declared load profile	XL
Efficiency $\eta_{DHW}$	88 %
COP	2.12
Heating up time	1:56 h:min
Standby power input	59.0 W
Reference hot water temperature	51.5 °C
Mixed water at 40°C	319 l

**EN 16147 | Warmer Climate**

Declared load profile	XL
Efficiency $\eta_{DHW}$	122 %
COP	2.92
Heating up time	1:15 h:min
Standby power input	51.0 W
Reference hot water temperature	51.5 °C
Mixed water at 40°C	320 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	
<b>EN 14511-2   Heating</b>		
	Low temperature	Medium temperature
Heat output	15.50 kW	15.50 kW
El input	3.30 kW	5.16 kW
COP	4.70	3.00
<b>EN 12102-1   Average Climate</b>		
	Low temperature	Medium temperature
Sound power level outdoor	57 dB(A)	57 dB(A)
<b>EN 14825   Average Climate</b>		
	Low temperature	Medium temperature
ηs	187 %	137 %
Prated	14.00 kW	14.00 kW
SCOP	4.75	3.50
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	12.27 kW	12.50 kW
COP Tj = -7°C	2.64	2.03
Cdh Tj = -7 °C	0.990	0.990
Pdh Tj = +2°C	6.87 kW	7.25 kW
COP Tj = +2°C	4.44	3.33
Cdh Tj = +2 °C	0.990	0.990
Pdh Tj = +7°C	5.20 kW	5.29 kW
COP Tj = +7°C	7.54	4.94
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	3.54 kW	3.26 kW
COP Tj = 12°C	8.93	6.52
Cdh Tj = +12 °C	0.940	0.950
Pdh Tj = Tbiv	12.27 kW	12.50 kW
COP Tj = Tbiv	2.64	2.03
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.28 kW	11.61 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.43	2.29
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	80 °C	80 °C
Poff	25 W	25 W
PTO	25 W	25 W
PSB	25 W	25 W
PCK	0 W	0 W

Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	2.72 kW	2.39 kW
Annual energy consumption Qhe	6009 kWh	8322 kWh
<b>EN 12102-1   Colder Climate</b>		
Sound power level outdoor	Low temperature 57 dB(A)	Medium temperature 57 dB(A)
<b>EN 14825   Colder Climate</b>		
ηs	Low temperature 148 %	Medium temperature 118 %
Prated	13.00 kW	12.00 kW
SCOP	3.78	3.03
Tbiv	-15 °C	-15 °C
TOL	-22 °C	-22 °C
Pdh Tj = -7°C	8.24 kW	7.85 kW
COP Tj = -7°C	3.24	2.59
Cdh Tj = -7 °C	0.980	0.980
Pdh Tj = +2°C	4.45 kW	4.78 kW
COP Tj = +2°C	4.34	3.60
Cdh Tj = +2 °C	0.940	0.940
Pdh Tj = +7°C	2.89 kW	2.90 kW
COP Tj = +7°C	6.34	4.27
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	3.51 kW	3.34 kW
COP Tj = 12°C	8.31	6.75
Cdh Tj = +12 °C	0.940	0.950
Pdh Tj = Tbiv	10.28 kW	9.74 kW
COP Tj = Tbiv	2.34	1.85
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.39 kW	6.88 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.08	1.36
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	80 °C	80 °C
Poff	25 W	25 W
PTO	25 W	25 W
PSB	25 W	25 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	5.61 kW	5.12 kW
Annual energy consumption Qhe	8202 kWh	9705 kWh
Pdh Tj = -15°C (if TOL	10.28	9.74
COP Tj = -15°C (if TOL	2.34	1.85

Cdh Tj = -15 °C	0.900	0.900
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**EN 12102-1 | Warmer Climate**

	Low temperature	Medium temperature
Sound power level outdoor	57 dB(A)	57 dB(A)

**EN 14825 | Warmer Climate**

	Low temperature	Medium temperature
ηs	262 %	178 %
Prated	14.00 kW	14.00 kW
SCOP	6.63	4.53
Tbiv	2 °C	7 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	14.11 kW	13.17 kW
COP Tj = +2°C	3.13	2.21
Cdh Tj = +2 °C	0.980	0.980
Pdh Tj = +7°C	9.04 kW	9.28 kW
COP Tj = +7°C	5.71	4.07
Cdh Tj = +7 °C	0.970	0.970
Pdh Tj = 12°C	3.79 kW	3.74 kW
COP Tj = 12°C	8.68	5.92
Cdh Tj = +12 °C	0.940	0.960
Pdh Tj = Tbiv	14.11 kW	9.28 kW
COP Tj = Tbiv	3.13	4.07
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	14.11 kW	13.17 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.13	2.21
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	80 °C	80 °C
Poff	25 W	25 W
PTO	25 W	25 W
PSB	25 W	25 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.83 kW
Annual energy consumption Qhe	2838 kWh	4251 kWh

**Model GRS-CQ16Pd/NpG4-M**

Model name	GRS-CQ16Pd/NpG4-M
Application	Heating + DHW + low temp
Units	Outdoor
Climate zone (for heating)	Colder, Warmer, Warmer Climate, Colder Climate
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 $\eta_{DHW}$	112 %
COP	2.67
Heating up time	1:31 h:min
Standby power input	56.0 W
Reference hot water temperature	51.3 °C
Mixed water at 40°C	316 l

**EN 16147 | Colder Climate**

Declared load profile	XL
Efficiency $\eta_{DHW}$	88 %
COP	2.12
Heating up time	1:56 h:min
Standby power input	59.0 W
Reference hot water temperature	51.5 °C
Mixed water at 40°C	319 l

**EN 16147 | Warmer Climate**

Declared load profile	XL
Efficiency $\eta_{DHW}$	122 %
COP	2.92
Heating up time	1:15 h:min
Standby power input	51.0 W
Reference hot water temperature	51.5 °C
Mixed water at 40°C	320 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	
<b>EN 14511-2   Heating</b>		
	Low temperature	Medium temperature
Heat output	15.50 kW	15.50 kW
El input	3.30 kW	5.16 kW
COP	4.70	3.00
<b>EN 12102-1   Average Climate</b>		
	Low temperature	Medium temperature
Sound power level outdoor	57 dB(A)	57 dB(A)
<b>EN 14825   Average Climate</b>		
	Low temperature	Medium temperature
ηs	185 %	134 %
Prated	14.00 kW	14.00 kW
SCOP	4.70	3.43
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	12.24 kW	12.08 kW
COP Tj = -7°C	2.64	2.03
Cdh Tj = -7 °C	0.990	0.990
Pdh Tj = +2°C	7.40 kW	7.24 kW
COP Tj = +2°C	4.33	3.16
Cdh Tj = +2 °C	0.990	0.990
Pdh Tj = +7°C	5.20 kW	5.08 kW
COP Tj = +7°C	7.54	4.97
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	3.54 kW	3.26 kW
COP Tj = 12°C	9.24	6.52
Cdh Tj = +12 °C	0.930	0.950
Pdh Tj = Tbiv	12.24 kW	12.08 kW
COP Tj = Tbiv	2.64	2.03
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.27 kW	11.61 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.43	2.29
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	80 °C	80 °C
Poff	25 W	25 W
PTO	25 W	25 W
PSB	25 W	25 W
PCK	0 W	0 W

Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	2.73 kW	2.39 kW
Annual energy consumption Qhe	6062 kWh	8227 kWh
<b>EN 12102-1   Colder Climate</b>		
Sound power level outdoor	Low temperature 57 dB(A)	Medium temperature 57 dB(A)
<b>EN 14825   Colder Climate</b>		
ηs	Low temperature 149 %	Medium temperature 118 %
Prated	13.00 kW	12.00 kW
SCOP	3.80	3.03
Tbiv	-15 °C	-15 °C
TOL	-22 °C	-22 °C
Pdh Tj = -7°C	8.24 kW	7.65 kW
COP Tj = -7°C	3.24	2.60
Cdh Tj = -7 °C	0.980	0.980
Pdh Tj = +2°C	4.63 kW	4.62 kW
COP Tj = +2°C	4.37	3.60
Cdh Tj = +2 °C	0.940	0.940
Pdh Tj = +7°C	3.00 kW	2.90 kW
COP Tj = +7°C	6.25	4.27
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	3.51 kW	3.34 kW
COP Tj = 12°C	8.30	6.75
Cdh Tj = +12 °C	0.940	0.950
Pdh Tj = Tbiv	10.93 kW	9.53 kW
COP Tj = Tbiv	2.51	1.84
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.39 kW	6.86 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.08	1.36
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	80 °C	80 °C
Poff	25 W	25 W
PTO	25 W	25 W
PSB	25 W	25 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	5.61 kW	5.14 kW
Annual energy consumption Qhe	8643 kWh	9484 kWh
Pdh Tj = -15°C (if TOL	10.93	9.53
COP Tj = -15°C (if TOL	2.51	1.84

Cdh Tj = -15 °C	0.900	0.900
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**EN 12102-1 | Warmer Climate**

	Low temperature	Medium temperature
Sound power level outdoor	57 dB(A)	57 dB(A)

**EN 14825 | Warmer Climate**

	Low temperature	Medium temperature
ηs	262 %	179 %
Prated	14.00 kW	14.00 kW
SCOP	6.63	4.55
Tbiv	2 °C	7 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	14.19 kW	13.35 kW
COP Tj = +2°C	3.12	2.29
Cdh Tj = +2 °C	0.980	0.980
Pdh Tj = +7°C	9.04 kW	9.27 kW
COP Tj = +7°C	5.71	4.07
Cdh Tj = +7 °C	0.970	0.970
Pdh Tj = 12°C	3.80 kW	3.74 kW
COP Tj = 12°C	8.68	5.92
Cdh Tj = +12 °C	0.940	0.960
Pdh Tj = Tbiv	14.19 kW	9.27 kW
COP Tj = Tbiv	3.12	4.07
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	14.19 kW	13.35 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.12	2.29
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	80 °C	80 °C
Poff	25 W	25 W
PTO	25 W	25 W
PSB	25 W	25 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.65 kW
Annual energy consumption Qhe	2853 kWh	4219 kWh