Subtype VERSATI AIO G3 4/6kW

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 AIO G3 4/6kW
Registration number	041-K004-30
Heat Pump Type	Outdoor Air/Water
Refrigerant	R32
Mass of Refrigerant	1.3 kg
Certification Date	17.06.2025
Testing basis	Heat Pump Keymark Scheme Rules Rev 15
Testing laboratory	Intertek Testing Services Shenzhen LTD. Guangzhou Branch, CN

Model GRS-CQ4.0PdG/NhH3-E	
Model name	GRS-CQ4.0PdG/NhH3-E
Application	Heating + DHW + low temp
Units	Indoor, 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	L
Efficiency ηDHW	116 %
COP	2.76
Heating up time	3:54 h:min
Standby power input	34.8 W
Reference hot water temperature	52.8 °C
Mixed water at 40°C	226 l
EN 16147 | Colder Climate	
Declared load profile	L
Efficiency ηDHW	91 %
COP	2.18
Heating up time	4:10 h:min
Standby power input	39.2 W
Reference hot water temperature	52.8 °C
Mixed water at 40°C	226 l
EN 16147 | Warmer Climate	
Declared load profile	L
Efficiency ηDHW	122 %
COP	2.92
Heating up time	3:39 h:min
Standby power input	31.9 W
Reference hot water temperature	53 °C
Mixed water at 40°C	228 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	4.3 kW	4.2 kW
El input	0.79 kW	1.4 kW
COP	5.44	3

EN 12102-1 | Average Climate		
	Low temperature	Medium temperature
Sound power level indoor	47 dB(A)	47 dB(A)
Sound power level outdoor	56 dB(A)	56 dB(A)

EN 14825 | Average Climate		
	Low temperature	Medium temperature
ηs	200 %	135 %
Prated	5 kW	5 kW
SCOP	5.08	3.45
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	4.18 kW	4.13 kW
COP Tj = -7°C	3.05	2.3
Cdh Tj = -7 °C	0.98	0.99
Pdh Tj = +2°C	2.74 kW	2.76 kW
COP Tj = +2°C	5.21	3.32
Cdh Tj = +2 °C	0.95	0.97
Pdh Tj = +7°C	1.74 kW	1.6 kW
COP Tj = +7°C	6.23	4.45
Cdh Tj = +7 °C	0.91	0.93
Pdh Tj = 12°C	2.04 kW	1.83 kW
COP Tj = 12°C	8.74	6.18
Cdh Tj = +12 °C	0.9	0.92
Pdh Tj = Tbiv	4.18 kW	4.13 kW
COP Tj = Tbiv	3.05	2.3
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.71 kW	4.62 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.01	1.56
WTOL	65 °C	65 °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	0.29 kW	0.38 kW
Annual energy consumption Qhe	1922 kWh	2792 kWh

EN 14825 | Colder Climate

	Low temperature	Medium temperature
ηs	153 %	108 %
Prated	4 kW	4 kW
SCOP	3.9	2.78
Tbiv	-15 °C	-15 °C
TOL	-22 °C	-22 °C
Pdh Tj = -7°C	2.72 kW	2.29 kW
COP Tj = -7°C	3.39	2.4
Cdh Tj = -7 °C	0.97	0.97
Pdh Tj = +2°C	1.73 kW	1.41 kW
COP Tj = +2°C	4.76	3.12
Cdh Tj = +2 °C	0.93	0.95
Pdh Tj = +7°C	1.42 kW	1.18 kW
COP Tj = +7°C	5.79	4.55
Cdh Tj = +7 °C	0.9	0.9
Pdh Tj = 12°C	1.98 kW	1.87 kW
COP Tj = 12°C	9.01	6.71
Cdh Tj = +12 °C	0.9	0.91
Pdh Tj = Tbiv	3.45 kW	3.08 kW
COP Tj = Tbiv	2.26	1.82
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	3.11 kW	3.07 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	1.99	1.47
WTOL	65 °C	65 °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	0.89 kW	0.93 kW
Annual energy consumption Qhe	2664 kWh	3333 kWh
Pdh Tj = -15°C (if TOL	3.45	3.08
COP Tj = -15°C (if TOL	2.26	1.82

EN 14825 | Warmer Climate

	Low temperature	Medium temperature
ηs	248 %	161 %
Prated	5 kW	5 kW
SCOP	6.28	4.1
Tbiv	2 °C	2 °C

TOL	2 °C	2 °C
Pdh Tj = +2°C	5.03 kW	5.01 kW
COP Tj = +2°C	3.73	2.62
Cdh Tj = +2 °C	0.98	0.99
Pdh Tj = +7°C	3.18 kW	3.28 kW
COP Tj = +7°C	5.61	3.79
Cdh Tj = +7 °C	0.96	0.97
Pdh Tj = 12°C	1.96 kW	1.81 kW
COP Tj = 12°C	8.1	4.89
Cdh Tj = +12 °C	0.9	0.93
Pdh Tj = Tbiv	5.03 kW	5.01 kW
COP Tj = Tbiv	3.73	2.62
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.03 kW	5.01 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.73	2.62
WTOL	65 °C	65 °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 kW	0 kW
Annual energy consumption Qhe	1067 kWh	1631 kWh

Model GRS-CQ6.0PdG/NhH3-E	
Model name	GRS-CQ6.0PdG/NhH3-E
Application	Heating + DHW + low temp
Units	Indoor, 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	L
Efficiency ηDHW	116 %
COP	2.76
Heating up time	3:54 h:min
Standby power input	34.8 W
Reference hot water temperature	52.8 °C
Mixed water at 40°C	226 l
EN 16147 | Colder Climate	
Declared load profile	L
Efficiency ηDHW	91 %
COP	2.18
Heating up time	4:10 h:min
Standby power input	39.2 W
Reference hot water temperature	52.8 °C
Mixed water at 40°C	226 l
EN 16147 | Warmer Climate	
Declared load profile	L
Efficiency ηDHW	122 %
COP	2.92
Heating up time	3:39 h:min
Standby power input	31.9 W
Reference hot water temperature	53 °C
Mixed water at 40°C	228 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	6.2 kW	6 kW
El input	1.18 kW	2 kW
COP	5.25	3

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level indoor	47 dB(A)	47 dB(A)
Sound power level outdoor	56 dB(A)	56 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
ηs	196 %	134 %
Prated	6 kW	6 kW
SCOP	4.98	3.43
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	5.01 kW	5.03 kW
COP Tj = -7°C	3.12	2.28
Cdh Tj = -7 °C	0.98	0.99
Pdh Tj = +2°C	3.14 kW	3.58 kW
COP Tj = +2°C	4.93	3.27
Cdh Tj = +2 °C	0.96	0.97
Pdh Tj = +7°C	2.12 kW	1.87 kW
COP Tj = +7°C	6.39	4.47
Cdh Tj = +7 °C	0.93	0.94
Pdh Tj = 12°C	2.04 kW	1.83 kW
COP Tj = 12°C	8.74	6.18
Cdh Tj = +12 °C	0.9	0.92
Pdh Tj = Tbiv	5.01 kW	5.03 kW
COP Tj = Tbiv	3.12	2.28
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.11 kW	5.15 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.03	2.07
WTOL	65 °C	65 °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	0.89 kW	0.85 kW
Annual energy consumption Qhe	2346 kWh	3415 kWh

EN 14825 | Colder Climate

	Low temperature	Medium temperature
ηs	153 %	108 %
Prated	4 kW	4 kW
SCOP	3.9	2.78
Tbiv	-15 °C	-15 °C
TOL	-22 °C	-22 °C
Pdh Tj = -7°C	2.72 kW	2.29 kW
COP Tj = -7°C	3.39	2.4
Cdh Tj = -7 °C	0.97	0.97
Pdh Tj = +2°C	1.73 kW	1.41 kW
COP Tj = +2°C	4.76	3.12
Cdh Tj = +2 °C	0.93	0.95
Pdh Tj = +7°C	1.42 kW	1.18 kW
COP Tj = +7°C	5.79	4.55
Cdh Tj = +7 °C	0.9	0.9
Pdh Tj = 12°C	1.98 kW	1.87 kW
COP Tj = 12°C	9.02	6.71
Cdh Tj = +12 °C	0.9	0.91
Pdh Tj = Tbiv	3.45 kW	3.08 kW
COP Tj = Tbiv	2.26	1.82
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	3.11 kW	3.07 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	1.99	1.47
WTOL	65 °C	65 °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	0.89 kW	0.93 kW
Annual energy consumption Qhe	2661 kWh	3333 kWh
Pdh Tj = -15°C (if TOL	3.45	3.08
COP Tj = -15°C (if TOL	2.26	1.82

EN 14825 | Warmer Climate

	Low temperature	Medium temperature
ηs	250 %	161 %
Prated	6.00 kW	6.00 kW
SCOP	6.33	4.10
Tbiv	2 °C	2 °C

TOL	2 °C	2 °C
Pdh Tj = +2°C	5.92 kW	5.51 kW
COP Tj = +2°C	3.71	2.56
Cdh Tj = +2 °C	0.980	0.990
Pdh Tj = +7°C	3.49 kW	3.88 kW
COP Tj = +7°C	5.55	3.77
Cdh Tj = +7 °C	0.960	0.980
Pdh Tj = 12°C	1.96 kW	1.81 kW
COP Tj = 12°C	8.07	4.90
Cdh Tj = +12 °C	0.900	0.930
Pdh Tj = Tbiv	5.92 kW	5.51 kW
COP Tj = Tbiv	3.72	2.57
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.92 kW	5.51 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.72	2.57
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh		
WTOL	65 °C	65 °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	0.00 kW
Annual energy consumption Qhe	1250 kWh	1793 kWh