

Subtype VERSATI V Monobloc 4/6

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 4/6
Registration number	011-1W1085
Heat Pump Type	Outdoor Air/Water
Refrigerant	R290
Mass of Refrigerant	0.8 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-CQ4.0Pd/NpG4-E

Model name	GRS-CQ4.0Pd/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 η_{DHW}	124 %
COP	2.97
Heating up time	2:38 h:min
Standby power input	56.5 W
Reference hot water temperature	49.8 °C
Mixed water at 40°C	305 l

EN 16147 | Colder Climate

Declared load profile	XL
Efficiency η_{DHW}	93 %
COP	2.26
Heating up time	3:28 h:min
Standby power input	51.6 W
Reference hot water temperature	49.9 °C
Mixed water at 40°C	305 l

EN 16147 | Warmer Climate

Declared load profile	XL
Efficiency η_{DHW}	129 %
COP	3.05
Heating up time	2:37 h:min
Standby power input	61.8 W
Reference hot water temperature	50.0 °C
Mixed water at 40°C	300 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	4.50 kW	4.00 kW
El input	0.87 kW	1.05 kW
COP	5.20	3.80

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level outdoor	54 dB(A)	54 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
η_s	202 %	152 %
Prated	5.00 kW	5.00 kW
SCOP	5.13	3.88
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	4.45 kW	4.33 kW
COP Tj = -7°C	3.42	2.60
Cdh Tj = -7 °C	0.980	0.990
Pdh Tj = +2°C	2.85 kW	2.78 kW
COP Tj = +2°C	4.91	3.77
Cdh Tj = +2 °C	0.960	0.970
Pdh Tj = +7°C	1.80 kW	1.77 kW
COP Tj = +7°C	7.10	4.90
Cdh Tj = +7 °C	0.900	0.930
Pdh Tj = 12°C	1.98 kW	1.92 kW
COP Tj = 12°C	8.00	6.70
Cdh Tj = +12 °C	0.900	0.910
Pdh Tj = Tbiv	4.45 kW	4.33 kW
COP Tj = Tbiv	3.42	2.60
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.97 kW	4.55 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.54	2.10
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	0.03 kW	0.45 kW
Annual energy consumption Q _{he}	2017 kWh	2605 kWh

EN 12102-1 | Colder Climate

	Low temperature	Medium temperature
Sound power level outdoor	54 dB(A)	54 dB(A)

EN 14825 | Colder Climate

	Low temperature	Medium temperature
η_s	172 %	137 %
Prated	5.00 kW	5.00 kW
SCOP	4.38	3.50
T _{biv}	-15 °C	-15 °C
TOL	-22 °C	-22 °C
P _{dh} T _j = -7°C	3.24 kW	3.48 kW
COP T _j = -7°C	3.80	2.95
C _{dh} T _j = -7 °C	0.970	0.980
P _{dh} T _j = +2°C	1.90 kW	1.82 kW
COP T _j = +2°C	5.11	4.26
C _{dh} T _j = +2 °C	0.930	0.940
P _{dh} T _j = +7°C	1.72 kW	1.13 kW
COP T _j = +7°C	6.65	5.39
C _{dh} T _j = +7 °C	0.900	0.900
P _{dh} T _j = 12°C	2.13 kW	2.22 kW
COP T _j = 12°C	8.41	5.60
C _{dh} T _j = +12 °C	0.900	0.940
P _{dh} T _j = T _{biv}	4.13 kW	4.12 kW
COP T _j = T _{biv}	3.00	2.20
P _{dh} T _j = TOL or P _{dh} T _j = T _{designh} if TOL < T _{designh}	3.46 kW	3.49 kW
COP T _j = TOL or COP T _j = T _{designh} if TOL < T _{designh}	2.10	1.65
C _{dh} T _j = TOL or P _{dh} T _j = T _{designh} if TOL < T _{designh}	0.900	0.900
WTOL	80 °C	80 °C
P _{off}	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	1.54 kW	1.51 kW
Annual energy consumption Q _{he}	2849 kWh	3541 kWh
P _{dh} T _j = -15°C (if TOL	4.13	4.12
COP T _j = -15°C (if TOL	3.00	2.20

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	54 dB(A)	54 dB(A)

EN 14825 | Warmer Climate

	Low temperature	Medium temperature
η_s	251 %	177 %
Prated	5.00 kW	5.00 kW
SCOP	6.35	4.50
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	5.07 kW	5.00 kW
COP Tj = +2°C	3.90	2.65
Cdh Tj = +2 °C	0.980	0.990
Pdh Tj = +7°C	3.31 kW	3.24 kW
COP Tj = +7°C	5.70	3.85
Cdh Tj = +7 °C	0.960	0.970
Pdh Tj = 12°C	2.08 kW	2.01 kW
COP Tj = 12°C	8.10	5.95
Cdh Tj = +12 °C	0.900	0.930
Pdh Tj = Tbiv	5.07 kW	5.00 kW
COP Tj = Tbiv	3.90	2.65
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.07 kW	5.00 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.90	2.65
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.980	0.990
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	0.00 kW
Annual energy consumption Qhe	1067 kWh	1481 kWh

Model GRS-CQ6.0Pd/NpG4-E

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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 η_{DHW}	124 %
COP	2.97
Heating up time	2:38 h:min
Standby power input	56.5 W
Reference hot water temperature	49.8 °C
Mixed water at 40°C	305 l

EN 16147 | Colder Climate

Declared load profile	XL
Efficiency η_{DHW}	93 %
COP	2.26
Heating up time	3:28 h:min
Standby power input	51.6 W
Reference hot water temperature	49.9 °C
Mixed water at 40°C	305 l

EN 16147 | Warmer Climate

Declared load profile	XL
Efficiency η_{DHW}	129 %
COP	3.05
Heating up time	2:37 h:min
Standby power input	61.8 W
Reference hot water temperature	50.0 °C
Mixed water at 40°C	300 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	6.20 kW	6.00 kW
El input	1.24 kW	1.62 kW
COP	5.00	3.70

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level outdoor	54 dB(A)	54 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
η_s	204 %	152 %
Prated	6.00 kW	6.00 kW
SCOP	5.18	3.88
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	5.05 kW	5.40 kW
COP Tj = -7°C	3.20	2.55
Cdh Tj = -7 °C	0.980	0.990
Pdh Tj = +2°C	3.22 kW	3.15 kW
COP Tj = +2°C	5.05	3.80
Cdh Tj = +2 °C	0.960	0.970
Pdh Tj = +7°C	2.07 kW	2.17 kW
COP Tj = +7°C	7.10	4.96
Cdh Tj = +7 °C	0.910	0.940
Pdh Tj = 12°C	2.09 kW	2.09 kW
COP Tj = 12°C	8.71	6.70
Cdh Tj = +12 °C	0.900	0.920
Pdh Tj = Tbiv	5.05 kW	5.40 kW
COP Tj = Tbiv	3.20	2.55
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.64 kW	4.45 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.50	2.25
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	0.36 kW	1.55 kW
Annual energy consumption Q _{he}	2271 kWh	3247 kWh

EN 12102-1 | Colder Climate

	Low temperature	Medium temperature
Sound power level outdoor	54 dB(A)	54 dB(A)

EN 14825 | Colder Climate

	Low temperature	Medium temperature
η_s	172 %	137 %
Prated	5.00 kW	5.00 kW
SCOP	4.38	3.50
T _{biv}	-15 °C	-15 °C
TOL	-22 °C	-22 °C
P _{dh} T _j = -7°C	3.24 kW	3.48 kW
COP T _j = -7°C	3.80	2.95
C _{dh} T _j = -7 °C	0.970	0.980
P _{dh} T _j = +2°C	1.90 kW	1.82 kW
COP T _j = +2°C	5.11	4.26
C _{dh} T _j = +2 °C	0.930	0.940
P _{dh} T _j = +7°C	1.72 kW	1.13 kW
COP T _j = +7°C	6.65	5.39
C _{dh} T _j = +7 °C	0.900	0.900
P _{dh} T _j = 12°C	2.13 kW	2.22 kW
COP T _j = 12°C	8.41	5.60
C _{dh} T _j = +12 °C	0.900	0.940
P _{dh} T _j = T _{biv}	4.13 kW	4.12 kW
COP T _j = T _{biv}	3.00	2.20
P _{dh} T _j = TOL or P _{dh} T _j = T _{designh} if TOL < T _{designh}	3.46 kW	3.49 kW
COP T _j = TOL or COP T _j = T _{designh} if TOL < T _{designh}	2.10	1.65
C _{dh} T _j = TOL or P _{dh} T _j = T _{designh} if TOL < T _{designh}	0.900	0.900
WTOL	80 °C	80 °C
P _{off}	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	1.54 kW	1.51 kW
Annual energy consumption Q _{he}	2849 kWh	3541 kWh
P _{dh} T _j = -15°C (if TOL	4.13	4.12
COP T _j = -15°C (if TOL	3.00	2.20

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	54 dB(A)	54 dB(A)

EN 14825 | Warmer Climate

	Low temperature	Medium temperature
η_s	251 %	183 %
Prated	6.00 kW	6.00 kW
SCOP	6.35	4.65
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	5.57 kW	6.08 kW
COP Tj = +2°C	4.00	2.60
Cdh Tj = +2 °C	0.980	0.990
Pdh Tj = +7°C	3.55 kW	3.73 kW
COP Tj = +7°C	5.68	4.10
Cdh Tj = +7 °C	0.960	0.970
Pdh Tj = 12°C	2.10 kW	2.04 kW
COP Tj = 12°C	8.00	5.88
Cdh Tj = +12 °C	0.910	0.930
Pdh Tj = Tbiv	5.57 kW	6.08 kW
COP Tj = Tbiv	4.00	2.60
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.57 kW	6.08 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.00	2.60
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.980	0.990
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	0.00 kW
Annual energy consumption Qhe	1170 kWh	1745 kWh