

## Subtype Versati monobloc G1 10kW

|                     |                                          |
|---------------------|------------------------------------------|
| 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 monobloc G1 10kW                 |
| Registration number | 041-K004-04                              |
| 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-CQ10Pd/NhG2-K+SXTVD300LC/B-E

|                                     |                                  |
|-------------------------------------|----------------------------------|
| Model name                          | GRS-CQ10Pd/NhG2-K+SXTVD300LC/B-E |
| Application                         | Heating + DHW                    |
| Units                               | Outdoor                          |
| Climate zone (for heating)          | n/a                              |
| 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 $\eta_{DHW}$         | 110 %      |
| COP                             | 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 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 | 8.50 kW         |                    |
| El input    | 3.30 kW         |                    |
| COP         | 2.57            |                    |

#### EN 12102-1 | Average Climate

|                           | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level outdoor | 69 dB(A)        |                    |

#### EN 14825 | Average Climate

|          | Low temperature | Medium temperature |
|----------|-----------------|--------------------|
| $\eta_s$ | 126 %           |                    |
| Prated   | 8.00 kW         |                    |
| SCOP     | 3.22            |                    |

|                                                     |             |
|-----------------------------------------------------|-------------|
| Tbiv                                                | -7 °C       |
| TOL                                                 | -10 °C      |
| Pdh Tj = -7°C                                       | 7.10 kW     |
| COP Tj = -7°C                                       | 1.98        |
| Cdh Tj = -7 °C                                      | 0.98        |
| Pdh Tj = +2°C                                       | 4.50 kW     |
| COP Tj = +2°C                                       | 3.15        |
| Cdh Tj = +2 °C                                      | 0.98        |
| Pdh Tj = +7°C                                       | 5.73 kW     |
| COP Tj = +7°C                                       | 4.30        |
| Cdh Tj = +7 °C                                      | 0.98        |
| Pdh Tj = 12°C                                       | 6.40 kW     |
| COP Tj = 12°C                                       | 5.50        |
| Cdh Tj = +12 °C                                     | 0.98        |
| Pdh Tj = Tbiv                                       | 7.10 kW     |
| COP Tj = Tbiv                                       | 1.98        |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 8.00 kW     |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 1.70        |
| WTOL                                                | 55 °C       |
| Poff                                                | 18 W        |
| PTO                                                 | 18 W        |
| PSB                                                 | 18 W        |
| PCK                                                 | 18 W        |
| Supplementary Heater: Type of energy input          | Electricity |
| Supplementary Heater: PSUP                          | 0.00 kW     |
| Annual energy consumption Qhe                       | 5128 kWh    |

## Model GRS-CQ10Pd/NhG2-M+SXTVD300LC/B-M

|                                     |                                  |
|-------------------------------------|----------------------------------|
| Model name                          | GRS-CQ10Pd/NhG2-M+SXTVD300LC/B-M |
| Application                         | Heating + DHW                    |
| Units                               | Outdoor                          |
| Climate zone (for heating)          | n/a                              |
| 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 $\eta_{DHW}$         | 110 %      |
| COP                             | 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 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 | 8.50 kW         |                    |
| El input    | 3.30 kW         |                    |
| COP         | 2.57            |                    |

## EN 12102-1 | Average Climate

|                           | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level outdoor | 69 dB(A)        |                    |

## EN 14825 | Average Climate

|          | Low temperature | Medium temperature |
|----------|-----------------|--------------------|
| $\eta_s$ | 126 %           |                    |
| Prated   | 8.00 kW         |                    |
| SCOP     | 3.22            |                    |

|                                                     |             |
|-----------------------------------------------------|-------------|
| Tbiv                                                | -7 °C       |
| TOL                                                 | -10 °C      |
| Pdh Tj = -7°C                                       | 7.10 kW     |
| COP Tj = -7°C                                       | 1.98        |
| Cdh Tj = -7 °C                                      | 0.98        |
| Pdh Tj = +2°C                                       | 4.50 kW     |
| COP Tj = +2°C                                       | 3.15        |
| Cdh Tj = +2 °C                                      | 0.98        |
| Pdh Tj = +7°C                                       | 5.73 kW     |
| COP Tj = +7°C                                       | 4.30        |
| Cdh Tj = +7 °C                                      | 0.98        |
| Pdh Tj = 12°C                                       | 6.40 kW     |
| COP Tj = 12°C                                       | 5.50        |
| Cdh Tj = +12 °C                                     | 0.98        |
| Pdh Tj = Tbiv                                       | 7.10 kW     |
| COP Tj = Tbiv                                       | 1.98        |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 8.00 kW     |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 1.70        |
| 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                          | 0.00 kW     |
| Annual energy consumption Qhe                       | 5128 kWh    |

## Model GRS-CQ10Pd/NhG-K+SXTVD300LC/B-E

|                                     |                                 |
|-------------------------------------|---------------------------------|
| Model name                          | GRS-CQ10Pd/NhG-K+SXTVD300LC/B-E |
| Application                         | Heating + DHW                   |
| Units                               | Outdoor                         |
| Climate zone (for heating)          | n/a                             |
| 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 $\eta_{DHW}$         | 110 %      |
| COP                             | 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 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 | 8.50 kW         |                    |
| El input    | 3.30 kW         |                    |
| COP         | 2.57            |                    |

## EN 12102-1 | Average Climate

|                           | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level outdoor | 69 dB(A)        |                    |

## EN 14825 | Average Climate

|          | Low temperature | Medium temperature |
|----------|-----------------|--------------------|
| $\eta_s$ | 126 %           |                    |
| Prated   | 8.00 kW         |                    |
| SCOP     | 3.22            |                    |

|                                                     |             |
|-----------------------------------------------------|-------------|
| Tbiv                                                | -7 °C       |
| TOL                                                 | -10 °C      |
| Pdh Tj = -7°C                                       | 7.10 kW     |
| COP Tj = -7°C                                       | 1.98        |
| Cdh Tj = -7 °C                                      | 0.98        |
| Pdh Tj = +2°C                                       | 4.50 kW     |
| COP Tj = +2°C                                       | 3.15        |
| Cdh Tj = +2 °C                                      | 0.98        |
| Pdh Tj = +7°C                                       | 5.73 kW     |
| COP Tj = +7°C                                       | 4.30        |
| Cdh Tj = +7 °C                                      | 0.98        |
| Pdh Tj = 12°C                                       | 6.40 kW     |
| COP Tj = 12°C                                       | 5.50        |
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| Pdh Tj = Tbiv                                       | 7.10 kW     |
| COP Tj = Tbiv                                       | 1.98        |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 8.00 kW     |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 1.70        |
| WTOL                                                | 55 °C       |
| Poff                                                | 18 W        |
| PTO                                                 | 18 W        |
| PSB                                                 | 18 W        |
| PCK                                                 | 18 W        |
| Supplementary Heater: Type of energy input          | Electricity |
| Supplementary Heater: PSUP                          | 0.00 kW     |
| Annual energy consumption Qhe                       | 5128 kWh    |

## Model GRS-CQ10Pd/NhG-M+SXTVD300LC/B-M

|                                     |                                 |
|-------------------------------------|---------------------------------|
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| Application                         | Heating + DHW                   |
| Units                               | Outdoor                         |
| Climate zone (for heating)          | n/a                             |
| 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

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| Defrost test                               | passed |
| Starting and operating test                | passed |

## EN 14511-2 | Heating

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|-------------|-----------------|--------------------|
| Heat output | 8.50 kW         |                    |
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| COP         | 2.57            |                    |

## EN 12102-1 | Average Climate

|                           | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level outdoor | 69 dB(A)        |                    |

## EN 14825 | Average Climate

|          | Low temperature | Medium temperature |
|----------|-----------------|--------------------|
| $\eta_s$ | 126 %           |                    |
| Prated   | 8.00 kW         |                    |
| SCOP     | 3.22            |                    |



|                                                     |             |
|-----------------------------------------------------|-------------|
| Tbiv                                                | -7 °C       |
| TOL                                                 | -10 °C      |
| Pdh Tj = -7°C                                       | 7.10 kW     |
| COP Tj = -7°C                                       | 1.98        |
| Cdh Tj = -7 °C                                      | 0.98        |
| Pdh Tj = +2°C                                       | 4.50 kW     |
| COP Tj = +2°C                                       | 3.15        |
| Cdh Tj = +2 °C                                      | 0.98        |
| Pdh Tj = +7°C                                       | 5.73 kW     |
| COP Tj = +7°C                                       | 4.30        |
| Cdh Tj = +7 °C                                      | 0.98        |
| Pdh Tj = 12°C                                       | 6.40 kW     |
| COP Tj = 12°C                                       | 5.50        |
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| Pdh Tj = Tbiv                                       | 7.10 kW     |
| COP Tj = Tbiv                                       | 1.98        |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 8.00 kW     |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 1.70        |
| 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                          | 0.00 kW     |
| Annual energy consumption Qhe                       | 5128 kWh    |