



# COREMO SPECIFICATION LIST

| Items  | Descriptions   |                                  |                            |
|--|--|----------------------------------|----------------------------|
| Manufacturer name  | Aisin Seiki Co., Ltd.  |                                  |                            |
| Product name   | Residential Gas Engine Cogeneration System   |                                  |                            |
| Model number   | GECCJ15B2X2  |                                  |                            |
| Installation place   | Indoor/Outdoor   |                                  |                            |
| Enclosure type   | Type 3R  |                                  |                            |
| Ambient Temperature  | -13°F to +95°F (-25°C to +35°C)  |                                  |                            |
| Fuel gas type to Engine  | Natural gas, LPG   |                                  |                            |
| Fuel gas inlet pressure range  | 0.15 to 0.36 psi (1.0 to 2.5 kPa) (for Natural gas)<br>0.30 to 0.45 psi (2.0 to 3.3 kPa) (for LPG) |                                  |                            |
| Engine type  | 4 Cycle single cylinder OHV  |                                  |                            |
| Engine displacement  | 14.95 in <sup>3</sup> (245 cc)   |                                  |                            |
| Engine speed (min/max)   | 1,300/1,750 rpm  |                                  |                            |
| Gas consumption (min/max)  | LHV: 9,680BTU/h(2.8kW)/19,790BTU/h(5.8kW)<br>HHV: 10,730BTU/h(3.1kW)/21,940BTU/h(6.4kW)            |                                  |                            |
| Heat recovery output (min/max)   | 6,715BTU/h(1.9kW)/12,620BTU/h(3.7kW)   |                                  |                            |
| Electrical efficiency  | 25.5%_LHV (23.0%_HHV)  |                                  |                            |
| Total efficiency   | 89.3%_LHV (80.5%_HHV)  |                                  |                            |
| Operating Voltage (AC)<br>/Nominal Output Voltage (AC)                     | 240V L-L, 120V L-N   |                                  |                            |
| Operating Frequency<br>/Nominal Output Frequency                           | 60Hz   |                                  |                            |
| Maximum Continuous Output<br>Current (AC)                                  | 6.17A  |                                  |                            |
| Power factor range   | > 0.95   |                                  |                            |
| Number of phase  | Single Phase 3 Wires   |                                  |                            |
| Insulation class   | F  |                                  |                            |
| Maximum output fault current (AC)<br>and duration                          | 60 A, AC, 10 ms  |                                  |                            |
| Maximum output over current<br>protection                                  | 15A  |                                  |                            |
| Utility interconnection voltage and<br>frequency trip limits and trip time | Voltage  | Magnitude trip<br>set point (V)  | Trip time set<br>point (s) |
|  | Over stage2  | 144.0                            | 0.1                        |
|  | Over stage1  | 132.0                            | 0.9                        |
|  | Under stage1   | 105.6                            | 0.1                        |
|  | Under stage2   | 60.0                             | 0.1                        |
|  | Frequency  | Magnitude trip<br>set point (Hz) | Trip time set<br>point (s) |
|  | Over<br>stage  | 60.5                             | 0.13                       |
|  | Under stage  | 59.3                             | 0.13                       |
| Synchronization in-rush current  | 3.9A   |                                  |                            |
| Trip limit and trip time accuracy  | 3% of Voltage reading<br>0.05Hz of Frequency reading<br>0.06sec of Time reading                    |                                  |                            |
| Unbalanced load capability   | 100%   |                                  |                            |
| Identification of Standards  | Conforms to UL STDS 1741 & 2200, IEEE 1547.1<br>Certified to CSA STD C22.2 #107.1 & 100            |                                  |                            |
| Dimension  | H1018 X W700 X D400 (mm)   |                                  |                            |
| Weight   | 278 lb (126 kg)  |                                  |                            |