




| Technical Datasheet  |  | GB358N6     |             |  |                            |
|--|--|-------------|-------------|--|----------------------------|
| 93800020027_V01_US   |  | with engine |             | E3042Z6  |                            |
| <b>Oilcooler, external</b>   |  |             |             |  |                            |
| Coolant temperature (in/out)   |  | °F          |             |  |                            |
| Coolant volumetric flow <sup>9)</sup>  |  | gal/min     |             | @  | psi delta p                |
| CV-Value <sup>10)</sup>  |  |             |             |  |                            |
| Max. operation pressure  |  | psi         |             |  |                            |
| <b>Intercooler 2nd stage, external</b>   |  |             |             |  |                            |
| Coolant temperature (in/out)   |  | °F          | 158 / 160   |  |                            |
| Coolant volumetric flow <sup>9)</sup>  |  | gal/min     |             | @  | psi delta p                |
| CVs value <sup>10)</sup>   |  |             |             |  |                            |
| Max. operation pressure in front of intercooler  |  | psi         |             |  | 232                        |
| <b>Plate heat exchanger</b>  |  |             |             |  |                            |
| Coolant temperature (in/out)   |  | °F          |             |  |                            |
| Heating water temperatur (in/out)  |  | °F          |             |  |                            |
| Heating water volumetric flow <sup>9)</sup>  |  | gal/min     |             | @  | psi delta p                |
| CVs value <sup>10)</sup>   |  |             |             |  |                            |
| Max. operation pressure (heating water)  |  | psi         |             |  |                            |
| <b>Space ventilation</b>   |  |             |             |  |                            |
| Genset ventilation heat <sup>11)</sup>   |  | kBTU/hr     | 119,4       |  |                            |
| Combustion air temperature: (min./design/max.)   |  | °F          |             |  | 41 / 77 / 113              |
| Min. engine room temperature <sup>12)</sup>  |  | °F          |             |  | 41                         |
| Max. temperature difference ventilation air (in/out)   |  | °F          |             |  | 36                         |
| Min. ventilation air flow in (combustion+ventilation) <sup>13)</sup>   |  | ft³/min     |             |  | 4826                       |
| <b>Gearbox</b>   |  |             |             |  |                            |
| Gear ratio   |  |             |             |  |                            |
| Thermal output gearbox (watercooled)   |  | kBTU/hr     |             |  |                            |
| Efficiency   |  |             |             |  |                            |
| <b>Filling quantities</b>  |  |             |             |  |                            |
| Lube oil for engine  |  | gal         |             |  | 9                          |
| Coolant for engine   |  | gal         |             |  | 63,4                       |
| Coolant for intercooler  |  | gal         |             |  | 1,32                       |
| Heating water for plate heat exchanger   |  | gal         |             |  | 2,9                        |
| <b>Engine sound level <sup>14)</sup> (1 meter distance, free field)</b>  |  |             |             |  |                            |
| Frequency  |  | Hz          | <b>63</b>   | <b>125</b>   | <b>250</b>                 |
| Sound pressure level   |  | dB          | 83,0        | 89,8   | 95,8                       |
| Frequency  |  | Hz          | <b>1000</b> | <b>2000</b>  | <b>4000</b>                |
| Sound pressure level   |  | dB          | 85,6        | 82,2   | 80,0                       |
| Sum of pressure levels   |  | Lin dB      | 98,1        |  |                            |
|  |  | dB A        | 92,3        |  |                            |
| Sound power level  |  | dB A        | 111,5       |  |                            |
| <b>Undampened exhaust noise (1 meter distance to outlet within 90°, free field)</b>  |  |             |             |  |                            |
| Frequency  |  | Hz          | <b>63</b>   | <b>125</b>   | <b>250</b>                 |
| Sound pressure level   |  | dB          | 87,3        | 85,2   | 66,0                       |
| Frequency  |  | Hz          | <b>1000</b> | <b>2000</b>  | <b>4000</b>                |
| Sound pressure level   |  | dB          | 63,3        | 56,0   | 46,6                       |
| Sum of pressure levels   |  | Lin dB      | 89,4        |  |                            |
|  |  | dB A        | 69,6        |  |                            |
| Sound power level  |  | dB A        | 81,5        |  |                            |
| <b>Dimensions</b>  |  |             |             |  |                            |
| Length   |  | in          |             |  | 155,1                      |
| Width  |  | in          |             |  | 66,5                       |
| Height   |  | in          |             |  | 83,9                       |
| Gross weight / dry weight  |  | lb          |             |  | 12346 / 11684              |
| <b>Power derating</b>  |  |             |             |  |                            |
| Altitude   |  |             |             |  | 1.2 % / 328 ft > 328 ft NN |
| Combustion air temperature   |  |             |             |  | 1,8 % / 1°F > 86 °F        |
| Intercooler 2nd stage temperature (in)   |  |             |             |  |                            |
| Methane number   |  |             |             |  | 0,8 % MN <70               |
| <b>Boundary conditions and consumables</b>   |  |             |             |  |                            |
|  |  |             |             |  | DK-BS-0001                 |
| <p>1) Normal ft3 at p = 14.696 psi und T = 32 °F</p> <p>2) Generator gross power at nominal voltage, power factor = 1 and nominal frequency</p> <p>3) At standard reference conditions (ISO 3046-1); atmospheric pressure: 14.5 psi; air temperature: 77 °F; rel. air humidity 30 %</p> <p>4) Thermal output at layout temperature; tolerance +/- 8 %</p> <p>5) According to ISO 3046 (+ 5 % tolerance), using reference fuel used at nominal voltage, power factor = 1 and nominal frequency</p> <p>6) Deviations from the layout parameters respectively the reference fuel can have influence to the obtained efficiency and exhaust emissions</p> <p>7) Emission values during system parallel operation - where required with Oxcat</p> <p>8) Reference value at nominal load (without amount of oil exchange)</p> <p>9) Stated values for pure water, adaption for other cooling fluid composition necessary</p> <p>10) The CVs value declares the volumetric flow in gal/min at a pressure drop of 1 psi</p> <p>11) Only generator- and surface losses</p> <p>12) Frost-free conditions must be guaranteed</p> <p>13) Amount of ventilation air must be adapted to the gas safety concept</p> <p>14) All sound pressure levels at nominal load COP</p> <p>15) Power consumption of all electrical consumer, which are mounted at the module / aggregate</p> <p>16) Max. allowable cos phi at nominal power (view of producer)</p> |  |             |             |  |                            |

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