



## Generator Set Technical Specification Sheet

**Model:** GSW 135 Stamford

**General Features:**

|  |         |              |       |  |
|--|---------|--------------|-------|--|
|  | 3 Phase |              |       |  |
| Emergency standby power  |         | <b>142.0</b> | kVA   |  |
|  |         | <b>113.0</b> | kW    |  |
| Prime power  |         | <b>135.0</b> | kVA   |  |
|  |         | <b>108.0</b> | kW    |  |
| Power factor   |         | <b>0.8</b>   | Cosfi |  |
| Nominal voltage  |         | <b>400 Y</b> | Volt  |  |
| Nominal frequency  |         | <b>50</b>    | Hz    |  |
| Alternator connections   |         | <b>Star</b>  |       |  |
| Prime power according to ISO 3046 (ICN2) at variable load measured at 300 m a s l & 25°C ambient temperature |         |              |       |  |

**Engine:**

|   |          |  |  |                                      |
|---|----------|--|--|--------------------------------------|
| Brand / Model                                   |          |  |  | <b>Deutz / BF6M 1013 E</b>           |
| Type / Stroke                                   |          |  |  | <b>Diesel / 4 stroke</b>             |
| Number of cylinders / Configuration / Injection |          |  |  | <b>6/ in-line / Direct injection</b> |
| Cubic capacity                                  | ltr      |  |  | <b>7.150</b>                         |
| Aspiration                                      |          |  |  | <b>Turbo-charged</b>                 |
| Cooling system                                  |          |  |  | <b>Water</b>                         |
| Starting system / voltage                       |          |  |  | <b>Electric / 12</b>                 |
| RPM   | rpm      |  |  | <b>1500</b>                          |
| Horsepower Prime                                | kW       |  |  | <b>117.8</b>                         |
| Horsepower Standby                              | kW       |  |  | <b>128.0</b>                         |
| Oil capacity                                    | Litres   |  |  | <b>20.0</b>                          |
| Fuel consumption 75% load                       | Litres/h |  |  | <b>21.9</b>                          |
| Governor  |          |  |  | <b>Mechanical to G2</b>              |

**Alternator:**

|                       |            |  |  |   |
|-----------------------|------------|--|--|---|
| Brand / Model         |            |  |  | <b>Newage Stamford UCI 274E</b>                     |
| Number of poles / rpm |            |  |  | <b>4 pole / 1500 rpm</b>                            |
| Voltage / Frequency   | Volts / Hz |  |  | <b>400 Y / 50</b>                                   |
| Nominal power         | kVA        |  |  | <b>145.0</b>  |
| Power factor          | Cosfi      |  |  | <b>0.8</b>  |
| Active power          | kW         |  |  | <b>116.0</b>  |
| Efficiency @ 75% load | %          |  |  | <b>91.7</b>   |
| Maximum overload      |            |  |  | <b>10% for 1 hour in every 6 hours of operation</b> |
| Voltage regulator     |            |  |  | <b>Electronic (±1.5% with 4% engine governing)</b>  |

**General Installation Data:**

|                              |                     |  |  |             |
|------------------------------|---------------------|--|--|-------------|
| Combustion air flow          | m <sup>3</sup> /min |  |  | <b>7.67</b> |
| Cooling air airflow          | m <sup>3</sup> /min |  |  | <b>150</b>  |
| Exhaust gas flow             | m <sup>3</sup> /min |  |  | <b>20.7</b> |
| Exhaust gas temperature      | °C                  |  |  | <b>537</b>  |
| Exhaust system back pressure | mbar                |  |  | <b>30</b>   |

**Overall Dimensions & Weight:**

|                               |        | Open Set    |  | Canopy Set  |
|-------------------------------|--------|-------------|--|-------------|
| Length                        | mm     | <b>2600</b> |  | <b>3500</b> |
| Width                         | mm     | <b>1000</b> |  | <b>1250</b> |
| Height                        | mm     | <b>1620</b> |  | <b>1450</b> |
| Weight                        | kg     | <b>1545</b> |  | <b>1910</b> |
| Fuel tank capacity            | Litres | <b>240</b>  |  | <b>320</b>  |
| Run time on full tank of fuel | h      | <b>10.4</b> |  | <b>15.5</b> |
| Noise Level @ 7 mtrs          | dB(A)  |             |  | <b>72</b>   |

The specifications quoted above are a guide only and in line with our policy of continuous product development, we reserve the right to vary the specifications at any time without notice.