

 Output Ratings
 Frime 1
 Standby²

 380-415V, 50Hz
 545 kVA / 436 kW
 599,6 kVA / 479,6 kW

 480V, 60Hz

Ratings are given at 0,8 power factor

| Dimension & Weight |             |                       |             |          |
|--------------------|-------------|-----------------------|-------------|----------|
| Length [mm]        | Width [mm]  | Height [mm]           | Dry [kg]    | Wet [kg] |
| 3650 / 4670        | 1640 / 1640 | 2090 / 2500           | 3580 / 4720 |          |
| Dry: With Lube Oil | Wet: Wit    | th Lube Oil & Coolant |             |          |

Without canopy/ with canopy

| There de carrepy, were carrepy |                            |  |
|--------------------------------|----------------------------|--|
| Engine Technical Data          |                            |  |
| Engine Model :                 | SDEC - SC 25G690 D2        |  |
| Number of Cylinders:           | 12 / V                     |  |
| Cycle :                        | 4 Stroke                   |  |
| Bore / Stroke [mm] :           | 135 / 150                  |  |
| Induction:                     | Turbocharged - Intercooled |  |
| Cooling Method :               | Water cooled               |  |
| Governor Type :                | Electronic                 |  |
| Compression Ratio :            | 16.0:1                     |  |
| Displacement [It]:             | 25.8                       |  |
| Electrical Sys. Voltage        | 24 / Negative              |  |

| Cooling System                | 50Hz |
|-------------------------------|------|
| Cooling System Capacity [It]: | 115  |
|                               |      |
|                               |      |
|                               |      |

| Lubrication System       |    |  |
|--------------------------|----|--|
| Total Oil Capacity [lt]: | 65 |  |
|                          |    |  |

| Exhaust System                      | 50Hz |
|-------------------------------------|------|
| Max. Allowable Back Pressure [kPa]: | 6    |

| Fuel System           |            |       |                     |      |
|-----------------------|------------|-------|---------------------|------|
| Fuel Filter Type :    |            |       | Replaceable Element |      |
| Recommended Fuel:     |            |       | Class A2 Diesel     |      |
| Fuel Consumption [lt] | <b>/</b> : |       |                     |      |
|                       | 1100/      | 1000/ | 750/                | E00/ |

| Exhaust Gas Temp.   | [°C]: | 650 |
|---------------------|-------|-----|
| Exnaust Gas Temp. [ | [ C]: | 650 |

| Fuel Consumption [It]: |       |       |      |      |
|------------------------|-------|-------|------|------|
|                        | 110%  | 100%  | 75%  | 50%  |
| Prime                  | Load  | Load  | Load | Load |
| 50Hz                   | 119.1 | 105.2 | 79.6 | 55.3 |
|                        |       |       |      |      |

| Performance              |         | 50Hz |
|--------------------------|---------|------|
| Engine Speed [rpm]:      |         | 1500 |
| Gross Engine Power [kW]: |         |      |
|                          | Prime   | 459  |
|                          | Standby | 505  |

| Fuel Tank Capacity (L): |  |
|-------------------------|--|
|                         |  |

| Air Systems       | 50Hz                |
|-------------------|---------------------|
| Air Filter Type : | Replaceable Element |

(Based on diesel fuel with a spec. gravity of 0,84 and complied with BS2869, Class A2)  $\,$ 

| Alternator Data                     |               |
|-------------------------------------|---------------|
| Manufacturer :                      | Linz Electric |
| Model :                             | PRO 35 SD/4   |
| No. of Bearings :                   | Single        |
| Insulation Class:                   | н             |
| Winding Pitch:                      | 2/3           |
| Number of Wire :                    | 12            |
| Protection Class :                  | IP23          |
| Efficiency:                         | 95%           |
| Voltage Regulation (Steady State) : | 1.0%          |
| Total Harmonic Content:             | 4.0%          |
| Appearent power [kVA]:              | 605           |
|                                     |               |

## Available Options

 $\label{lem:decomposition} \mbox{Diamond offers a range of optional features to tailor our gensets to} \\ \mbox{meet your power requirements.}$ 

Options:

- \* A wide range of Sound Attenuated Enclosures
- \* A variety of generating set control and synchronising panels
- \* Additional alarms and shutdowns
- \* A selection of exhaust silencer noise levels

For further information on all of the standard and optional

features for this product, please contact  $\operatorname{DIAMOND}\,$  or

visit www.diamondcable.com.tr

1-Prime Rating: These ratings are applicable for supplying continuous electrical power (at variable load) of commercially purchased power. There is no limitation to the annual hours of operation, this model can supply 10% overload power 1 hour in each 12 hours.

2-Standby Rating: These ratings are applicable for supplying continuous electrical power (at variable load) in the event of an utility power failure. No overload is permitted on these ratings. The alternator on this model is peak continuous rated (as defined in ISO 8528)

 $Standard\ Reference\ Conditions:\ Standart\ reference\ conditions\ 25'C\ Air\ Inlet\ Temp.\ 100m,\ 30\%\ relative\ humidity.$