

## SGT-145SW

|                        |       |
|------------------------|-------|
| Standby Power (kVA)    | 139   |
| Standby Power (kW)     | 111,2 |
| Prime Power (kVA)      | 126   |
| Prime Power (kW)       | 101   |
| Power Factor (cos phi) | 0,8   |

|                      |         |
|----------------------|---------|
| Standby Current (A)  | 201     |
| Prime Current (A)    | 182     |
| Nominal Voltage (V)  | 400/231 |
| Engine Speed (r.p.m) | 1500    |
| Phase                | 3       |

### Engine Specifications

|                                      |                           |
|--------------------------------------|---------------------------|
| Engine Brand                         | SDEC                      |
| Engine Model                         | SC4H180D2                 |
| Standby Power (Kw/hp)                | 126/168,97                |
| Engine Speed (r.p.m)                 | 1500                      |
| Total Displacement (L)               | 4,3                       |
| Cylinder Arrangement                 | 4 L                       |
| Bore x Stroke (mm x mm)              | 105 x 124                 |
| Compretion Ratio                     | 16.0 : 1                  |
| Governor Type                        | Electronic                |
| Aspiration System                    | Turbocharged-Intercooled  |
| Injection                            | Direct                    |
| Cooling System                       | Water Cooled              |
| Electrical System (VDC)              | 24                        |
| Oil Capacity (L)                     | 13                        |
| Coolant Capacity (L)                 | 19,3                      |
| Fuel Tank Capacity (L)               | 180                       |
| Maximum Exhaust Gas Temperature (°C) | 600                       |
| Maximum Exhaust Gas Flow (m3/h)      | 1092                      |
| Maximum Back Pressure (kPa)          | 6                         |
| Cooling Air Flow (m3/min)            | 211,2                     |
| Fuel Consumption at 50 % (L/h)       | 14,4                      |
| Fuel Consumption at 75 % (L/h)       | 21,4                      |
| Fuel Consumption at 100 % (L/h)      | 28,6                      |
| Cylinder Liner Type                  | Wet Type-Replacable       |
| Air Filter Type                      | Heavy Duty                |
| Radiator                             | Tropical type up to 50 °C |

### Alternator Specifications

|                       |                 |
|-----------------------|-----------------|
| Alternator Brand      | WEG             |
| Alternator Model      | 251AIHD         |
| Frequency (Hz)        | 50              |
| Nominal Power (kVA)   | 140             |
| Nominal Voltage (V)   | 400             |
| Phase                 | 3               |
| Regulated By          | AVR             |
| Voltage Regulation    | ± 0,5 %         |
| Short Circuit Current | 315% In         |
| Insulation            | Class H         |
| IP Class              | IP 23           |
| Power Factor          | 0.8             |
| Efficiency (%)        | 87,5            |
| THD                   | <3%             |
| Connection Type       | Star connection |
| Number of Wires       | 12              |
| Poles                 | 4 pole          |
| Bearing Type          | Single Bearing  |



### Open Type Dimensions and Weight

|                        |      |
|------------------------|------|
| Width (mm)             | 1100 |
| Length (mm)            | 2000 |
| Height (mm)            | 1530 |
| Weight (Kg)            | 1320 |
| Fuel Tank Capacity (L) | 180  |

Starkgen reserves the right to introduce changes to models and features without prior notice

### Canopy Type Dimensions and Weight

|                        |      |
|------------------------|------|
| Width (mm)             | 1100 |
| Length (mm)            | 3200 |
| Height (mm)            | 1902 |
| Weight (Kg)            | 1530 |
| Fuel Tank Capacity (L) | 180  |



### STARKGEN JENERATÖR PAZARLAMA ve TİC. AŞ

Center Office  
Hürriyet mah. Yakacık D100 Kuzey Yanyol  
No49/1 34876 Kartal - İstanbul, Türkiye  
T. +90 216 453 0404

Factory  
Hanlı Sakarya Mah. Başak Sk. No 56/1  
Arifiye - Sakarya, Türkiye  
T. +90 264 295 8300

