



For illustrative purposes only

Strong points

- 1- Industrial diesel engine in genset version with certificate of origin
 - 2- Industrial brushless alternator with AVR
 - 3- Steel baseframe with fuel tank and with sensor
 - 4- Soundproof canopy in galvanised, power coated sheet steel
 - 5- Soundproofing material made of high attenuation polyester fibre
 - 6- Internal exhaust silencer with insulated manifold
 - 7- Electrical panel mounted on board the unit with digital control device installed in metal box
 - 8- Compact for easy handling and use
 - 9- Test report, manuals and electrical drawings supplied
 - 10- World wide after sales service and technical support
- Further details on the technical data sheet**

| Performance | |
|-------------------------------|-------------------|
| Continuous power (PRP) | 80.0 (kVA) |
| Continuous power (PRP) | 64.0 (kW) |
| Stand-by power (LTP) | 88.0 (kVA) |
| Stand-by power (LTP) | 70.4 (kW) |
| Power factor | 0.8 |

| Voltage | |
|----------------|-------|
| Frequency (Hz) | 50 Hz |
| Voltage (V) | 400 V |

| Dimensions* and noise level | |
|-----------------------------|---------|
| Width | 1120 mm |
| Length | 2650 mm |
| Height | 1380 mm |
| Weight | 1250 kg |
| Sound pressure 7 m. | 75 dBA |

Data references

Standard reference conditions temperature 25°C, altitude 100m asl, relative humidity 30%, atmospheric pressure 100 kPa (1 bar), power factor 0.8 lag, balanced load - non distortional. Fuel consumption is nominal and refers to specific weight 0,850kg/l. Sound power values refer to free field conditions: the installation site may influence the values. Dimensions, weights and other specifications contained in the technical data sheet and related attachments are nominal, subject to tolerances and refer to the model with standard equipment; any optional and additional equipment/accessories can modify weight, dimensions, performance.

P.R.P. Prime Power-Continuous power at variable load: The power that a genset can supply in continuous service at a variable load for an unlimited number of hours per year while respecting the maintenance intervals established in the environmental conditions stated by the Manufacturer, according to ISO8528-1. The average power supplied over time and any applicable overload must be less than the percentages stated by the Manufacturer.

L.T.P. Limited-time running power-Limited power: The maximum power that a genset can supply for a limited time respecting the maintenance intervals established in the environmental conditions stated by the Manufacturer according to ISO 8528-1. The number of hours per year is stated by the Manufacturer. Overload is not permitted.

*Dimensions: Measurements referred to the complete unit.
 Minor components might be disassembled to optimize shipping.

| Engine | |
|------------------|--------------|
| Engine brand | PERKINS |
| Engine model | 1104A-44TG2 |
| Cylinders | 4 |
| Speed | 1500 r.p.m. |
| Cubic capacity | 4.40 l |
| Air intake | Turbocharged |
| Standard voltage | 12 Vdc |
| Optional voltage | Vdc |
| Sae | 3-11½ |
| BMEP | 1335 kPa |
| Cooling | Water |

| Engine power | |
|-------------------------|---------|
| Flywheel P.R.P. Power | 73.4 kW |
| Flywheel Stand-by Power | 80.6 kW |

| Fuel consumption | |
|-----------------------------|----------|
| Fuel Cons. at 100% (L.T.P.) | 20.5 l/h |
| Fuel Cons. at 100% (P.R.P) | 18.7 l/h |
| Fuel Cons. at 75% (P.R.P.) | 14.0 l/h |
| Fuel Cons. at 50% (P.R.P.) | 9.7 l/h |
| Fuel Cons. at 25% (P.R.P.) | 5.2 l/h |

| Speed regulation | |
|----------------------|------------|
| Electronic regulator | On request |
| Precision class | G2 |

| Engine dimensions and liquids | |
|-------------------------------|-------|
| Oil quantity | 8.0 l |
| Engine Antifreeze capacity | 7.0 l |
| Radiator standard | IM50 |

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Heat from engine

| | |
|---------------------|---------|
| Heat from radiator | 46.0 kW |
| Heat from exhaust | 53.0 kW |
| Heat from radiation | 13.0 kW |

Exhaust data

| | |
|---------------------|---------------------------|
| Exhaust temperature | 555 °C |
| Cooling air flow | 89.00 m ³ /min |
| Combustion air flow | 4.80 m ³ /min |
| Exhaust gas flow | 12.50 m ³ /min |

Emissions

| | |
|-----------|---------------|
| TA Luft | Not available |
| TA Luft/2 | Not available |
| EPA | Not available |
| Stage | Not available |

Alternator

| | |
|------------------|----------|
| Alternator brand | STAMFORD |
| Alternator model | UCI224G |
| P.R.P. Power | 85.0 kVA |
| L.T.P. Power | 90.8 kVA |

Alternator wirings

| | |
|-----------------|-----------------------------|
| Connection | Series star |
| Phases | 3 phases + neutral |
| Winding | 12 terminals Winding 311 |
| Terminal Number | 12 nr. |

Alternator protection

| | |
|---------------|----|
| IP Protection | 23 |
|---------------|----|

Voltage regulator

| | |
|----------------------|---------|
| Electronic regulator | SX460 |
| Precision | 1.5 ± % |

Baseframe

| | |
|-----------------|---------------|
| Model | CRICKET CK30 |
| Standard tank | 145 l |
| Optional tank | Not available |
| Oversized tank* | Not available |

Canopy & Silencer

| | |
|--------------------------|--------------|
| Canopy model | CRICKET CK30 |
| Silencer model | MSR/a 50 |
| Silencer outlet diameter | 60.0 mm |

Available control panels



The **DSE4520** is a compact Auto Mains (Utility) Failure Control Module that has been developed to provide an outstanding range of features within a compact enclosure. Monitoring an extensive number of engine parameters, the module will display warning, shutdown and engine status information on the LCD screen.

Optional control panels



ATS is a new line of changeover switch panels developed and manufactured by Visa S.P.A. in accordance with CEI EN 61439-2 (construction standard). Specifically used for generating sets, the changeover switch panel allows the changeover between mains/genset or genset/genset. The main part of the panel contains two interlocking contactors or a motorised circuit breaker. All of the parts are installed inside a sturdy powder-coated metal box (RAL7035) and equipped with a lock to close the access door.

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