



Performance

| | | |
|------------------------|------|-------|
| Continuous power (PRP) | 40.0 | (KVA) |
| Continuous power (PRP) | 32.0 | (KW) |
| Stand-by power (LTP) | 45.0 | (KVA) |
| Stand-by power (LTP) | 36.0 | (KW) |
| Power factor | 0.8 | |

VOLTAGE

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

DIMENSIONS AND NOISE LEVEL

| | | |
|---------------------|------|-----|
| Width | 945 | mm |
| Length | 2030 | mm |
| Height | 1470 | mm |
| Weight | 1050 | kg |
| Sound pressure 7 m. | 63.0 | 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 ISO 8528-1. 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.

The data contained in this document is nominal and refers to the standard equipped model and is not binding. Psilos Services reserves the right to revise the information without notice per our policy of continuous product development and improvement.



BIG FOX-P 41 FOX

STRONG POINTS

1. Industrial diesel engine in genset version with certificate of origin.
2. Industrial brushless alternator with AVR.
3. Steel baseframe with retention basin and modular steel fuel tank with level sensor.
4. Soundproof canopy in galvanized, 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



Engine

| | | |
|------------------|--------------|-----------------|
| Engine brand | PERKINS | |
| Engine model | 1103A-33TG1 | |
| Cylinders | 3 | nr. |
| Speed | 1500 | r.p.m. |
| Cubic capacity | 3300 | cm ³ |
| Air intake | Turbocharged | |
| Standard voltage | 12 Vdc | Vdc |
| Optional voltage | Vdc | Vdc |
| Sae | 3-11 1/2 | |
| BMEP | 1023 | kPa |
| Cooling | Water | |

ENGINE POWER

| | | |
|-------------------------|------|----|
| Flywheel P.R.P. Power | 42.2 | kW |
| Flywheel Stand-by Power | 46.5 | kW |

FUEL CONSUMPTION

| | |
|-----------------------------|----------|
| Fuel Cons. at 100% (L.T.P.) | 12.0 l/h |
| Fuel Cons. at 100% (P.R.P.) | 10.7 l/h |
| Fuel Cons. at 75% (P.R.P.) | 8.2 l/h |
| Fuel Cons. at 50% (P.R.P.) | 5.7 l/h |
| Fuel Cons. at 25% (P.R.P.) | 3.4 l/h |

SPEED REGULATION

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

ENGINE DIMENSIONS AND LIQUIDS

| | |
|---------------------|-------|
| Oil quantity | 8.3 l |
| Antifreeze quantity | 4.4 l |
| Radiator standard | IM50 |

HEAT FROM ENGINE

| | |
|---------------------|---------|
| Heat from radiator | 26.0 kW |
| Heat from exhaust | 30.0 kW |
| Heat from radiation | 7.0 kW |

EXHAUST DATA

| | |
|---------------------|---------------------------|
| Exhaust temperature | 492 °C |
| Cooling air flow | 53.00 m ³ /min |
| Combustion air flow | 2.9 m ³ /min |
| Exhaust gas flow | 7.0 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 | PI144J |
| PRP Power | 40.0 kVA |
| LTP Power | 45.0 kVA |

ALTERNATOR WIRINGS

| | |
|-----------------|-------------------------------------|
| Connection | Series star |
| Phases | Three phases with neutral |
| Winding | 12 terminals 50-60Hz Winding 311 |
| Terminal Number | 12 nr. |

ALTERNATOR PROTECTION

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

VOLTAGE REGULATOR

| | |
|----------------------|--------|
| Electronic regulator | AS480 |
| Precision | 1.0 ±% |

Baseframe

| | |
|----------|------|
| Model | FOX |
| Capacity | 90 l |

Canopy & Silencer

| | |
|--------------------------|----------|
| Canopy model | FOX |
| Silencer model | MSR/a 35 |
| Silencer outlet diameter | 45.0 mm |

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