TECHNICAL DATASHEET P 45 FOX



P 45 FOX





BIG FOX "FOX"



| For ill | ustrative | e purposes | only |
|---------|-----------|------------|------|
| | | | |

| Description PERKINS Engine model 1103A-33TG1 Cylinders 3 RPM speed 1500 Cubic capacity 3.30 Air intake Turbocharged Standard voltage 12 Vdc Optional voltage 24 Vdc Sae 3-11½ BMEP 1023 kPa Cooling Water Flywheel P.R.P. Power net 41.3 kW Flywheel E.P. Power net 45.6 kW Fuel Cons. at 100% (E.P.) 11.8 l/h Fuel Cons. at 25% (P.R.P.) 8.0 l/h Fuel Cons. at 50% (P.R.P.) 5.6 l/h Fuel Cons. at 25% (P.R.P.) 3.3 l/h Fuel Cons. at 25% (P.R.P.) 3.3 l/h Fuel Cons. at 25% (P.R.P.) 5.6 l/h Fuel Cons. at 25% (P.R.P.) 3.3 l/h Fuel Cons. at 25% (P.R.P.) 3.3 l/h Fuel Cons. at 25% (P.R.P.) 5.6 l/h Fuel Cons. at 75% (P.R.P.) 5.6 l/h | ENGINE | | |
|---|----------------------------|--------------|--------|
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| Cylinders 3 RPM speed 1500 Cubic capacity 3.30 Air intake Turbocharged Standard voltage 12 Vdc Optional voltage 24 Vdc Sae 3-11½ BMEP 1023 kPa Cooling Water Water Flywheel P.R.P. Power net 41.3 kW Flywheel E.P. Power net 45.6 kW Fuel Cons. at 100% (E.P.) 11.8 l/h Fuel Cons. at 100% (P.R.P.) 10.5 l/h l/h Fuel Cons. at 50% (P.R.P.) 8.0 l/h I/h Fuel Cons. at 50% (P.R.P.) 5.6 l/h I/h Fuel Cons. at 50% (P.R.P.) 3.3 l/h I/h Fuel Cons. at 25% (P.R.P.) 3.3 l/h I/h Fuel Cons. at 25% (P.R.P.) 3.3 l/h I/h Fuel Cons. at 25% (P.R.P.) 3.3 l/h I/h | | | |
| RPM speed 1500 Cubic capacity 3.30 Air intake Turbocharged Standard voltage 12 Vdc Optional voltage 24 Vdc Sae 3-11½ BMEP 1023 kPa Cooling Water Flywheel P.R.P. Power net 41.3 kW Flywheel E.P. Power net 45.6 kW Fuel Cons. at 100% (E.P.) 11.8 l/h Fuel Cons. at 100% (P.R.P) 10.5 l/h Fuel Cons. at 75% (P.R.P.) 8.0 l/h Fuel Cons. at 50% (P.R.P.) 3.3 l/h Electronic regulator On request Precision class G2 Oil quantity 8.3 l Engine Antifreeze capacity 4.4 l Radiator type TR Heat from radiator 26.0 kW Heat from radiation 7.0 kW Exhaust temperature 492 °C Portata Raffreddamento 53.0 m³/min Combustion air flow 2.9 m³/min Exhaust gas flow 7.0 m³/min TA Luft/2 | | | |
| Cubic capacity 3.30 I Air intake Turbocharged Standard voltage 12 Vdc Optional voltage 24 Vdc Sae 3-11½ BMEP 1023 kPa Cooling Water Flywheel P.R.P. Power net 41.3 kW Flywheel E.P. Power net 45.6 kW Fuel Cons. at 100% (E.P.) 11.8 l/h Fuel Cons. at 100% (P.R.P) 10.5 l/h Fuel Cons. at 75% (P.R.P.) 8.0 l/h Fuel Cons. at 50% (P.R.P.) 3.3 l/h Electronic regulator On request Precision class G2 Oil quantity 8.3 l Engine Antifreeze capacity 4.4 l Radiator type TR Heat from radiator 26.0 kW Heat from exhaust 30.0 kW Heat from radiation 7.0 kW Exhaust temperature 492 °C Portata Raffreddamento 53.0 m³/min Combustion air flow 2.9 m³/min Exhaust gas flow 7.0 m³/min TA Luft/2 N | | | |
| Air intake Turbocharged Standard voltage 12 Vdc Optional voltage 24 Vdc Sae 3-11½ BMEP 1023 kPa Cooling Water Flywheel P.R.P. Power net 41.3 kW Flywheel E.P. Power net 45.6 kW Fuel Cons. at 100% (E.P.) 11.8 l/h Fuel Cons. at 100% (P.R.P) 10.5 l/h Fuel Cons. at 75% (P.R.P.) 8.0 l/h Fuel Cons. at 50% (P.R.P.) 5.6 l/h Fuel Cons. at 25% (P.R.P.) 3.3 l/h Electronic regulator On request Precision class G2 Oil quantity 8.3 l Engine Antifreeze capacity 4.4 l Radiator type TR Heat from radiator 26.0 kW Heat from exhaust 30.0 kW Heat from radiation 7.0 kW Exhaust temperature 492 °C Portata Raffreddamento 53.0 m³/min Combustion air flow 2.9 m³/min Exhaust gas flow 7.0 m³/min TA Luft/2 N EPA | RPM speed | | |
| Standard voltage 12 Vdc Optional voltage 24 Vdc Sae 3-11½ BMEP 1023 kPa Cooling Water Flywheel P.R.P. Power net 41.3 kW Flywheel E.P. Power net 45.6 kW Fuel Cons. at 100% (E.P.) 11.8 l/h Fuel Cons. at 100% (P.R.P) 10.5 l/h Fuel Cons. at 75% (P.R.P.) 8.0 l/h Fuel Cons. at 50% (P.R.P.) 5.6 l/h Fuel Cons. at 25% (P.R.P.) 3.3 l/h Fuel Cons. at 25% (P.R.P.) 4.2 < | Cubic capacity | 3.30 | I |
| Optional voltage 24 Vdc Sae 3-11½ BMEP 1023 kPa Cooling Water Flywheel P.R.P. Power net 41.3 kW Flywheel E.P. Power net 45.6 kW Fuel Cons. at 100% (E.P.) 11.8 l/h Fuel Cons. at 100% (P.R.P) 10.5 l/h Fuel Cons. at 75% (P.R.P.) 8.0 l/h Fuel Cons. at 50% (P.R.P.) 5.6 l/h Fuel Cons. at 25% (P.R.P.) 3.3 l/h Electronic regulator On request Precision class G2 Oil quantity 8.3 l Engine Antifreeze capacity 4.4 l Radiator type TR Heat from radiator 26.0 kW Heat from exhaust 30.0 kW Heat from radiation 7.0 kW Exhaust temperature 492 °C Portata Raffreddamento 53.0 m³/min Combustion air flow 2.9 m³/min Exhaust gas flow 7.0 m³/min TA Luft/2 N EPA N | Air intake | Turbocharged | |
| Sae 3-11½ BMEP 1023 kPa Cooling Water Flywheel P.R.P. Power net 41.3 kW Flywheel E.P. Power net 45.6 kW Fuel Cons. at 100% (E.P.) 11.8 l/h Fuel Cons. at 100% (P.R.P) 10.5 l/h Fuel Cons. at 55% (P.R.P.) 8.0 l/h Fuel Cons. at 50% (P.R.P.) 5.6 l/h Fuel Cons. at 25% (P.R.P.) 3.3 l/h Electronic regulator On request Precision class G2 Oil quantity 8.3 l Engine Antifreeze capacity 4.4 l Radiator type TR Heat from radiator 26.0 kW Heat from exhaust 30.0 kW Heat from radiation 7.0 kW Exhaust temperature 492 °C Portata Raffreddamento 53.0 m³/min Combustion air flow 2.9 m³/min Exhaust gas flow 7.0 m³/min TA Luft N EPA N | Standard voltage | 12 | Vdc |
| BMEP 1023 kPa Cooling Water Flywheel P.R.P. Power net 41.3 kW Flywheel E.P. Power net 45.6 kW Fuel Cons. at 100% (E.P.) 11.8 l/h Fuel Cons. at 100% (P.R.P) 10.5 l/h Fuel Cons. at 50% (P.R.P.) 8.0 l/h Fuel Cons. at 25% (P.R.P.) 3.3 l/h Fuel Cons. at 25% (P.R.P.) 3.3 l/h Electronic regulator On request Precision class G2 Oil quantity 8.3 l Engine Antifreeze capacity 4.4 l Radiator type TR R Heat from radiator 26.0 kW Heat from exhaust 30.0 kW Heat from radiation 7.0 kW Exhaust temperature 492 °C Portata Raffreddamento 53.0 m³/min Combustion air flow 2.9 m³/min Exhaust gas flow 7.0 m³/min TA Luft/2 </td <td>Optional voltage</td> <td>24</td> <td>Vdc</td> | Optional voltage | 24 | Vdc |
| Cooling Water Flywheel P.R.P. Power net 41.3 kW Flywheel E.P. Power net 45.6 kW Fuel Cons. at 100% (E.P.) 11.8 l/h Fuel Cons. at 100% (P.R.P) 10.5 l/h Fuel Cons. at 75% (P.R.P.) 8.0 l/h Fuel Cons. at 50% (P.R.P.) 5.6 l/h Fuel Cons. at 25% (P.R.P.) 3.3 l/h Electronic regulator On request Precision class G2 Oil quantity 8.3 l Engine Antifreeze capacity 4.4 l Radiator type TR Heat from radiator 26.0 kW Heat from exhaust 30.0 kW Heat from radiation 7.0 kW Exhaust temperature 492 °C Portata Raffreddamento 53.0 m³/min Combustion air flow 2.9 m³/min Exhaust gas flow 7.0 m³/min TA Luft N TA Luft/2 N EPA N | Sae | 3-11½ | |
| Flywheel P.R.P. Power net 41.3 kW Flywheel E.P. Power net 45.6 kW Fuel Cons. at 100% (E.P.) 11.8 l/h Fuel Cons. at 100% (P.R.P) 10.5 l/h Fuel Cons. at 75% (P.R.P.) 8.0 l/h Fuel Cons. at 50% (P.R.P.) 5.6 l/h Fuel Cons. at 25% (P.R.P.) 3.3 l/h Electronic regulator On request Precision class G2 Oil quantity 8.3 l Engine Antifreeze capacity 4.4 l Radiator type TR Heat from radiator 26.0 kW Heat from exhaust 30.0 kW Heat from radiation 7.0 kW Exhaust temperature 492 °C Portata Raffreddamento 53.0 m³/min Combustion air flow 2.9 m³/min Exhaust gas flow 7.0 m³/min TA Luft N TA Luft/2 N EPA N | BMEP | 1023 | kPa |
| Flywheel E.P. Power net 45.6 kW Fuel Cons. at 100% (E.P.) 11.8 l/h Fuel Cons. at 100% (P.R.P) 10.5 l/h Fuel Cons. at 75% (P.R.P.) 8.0 l/h Fuel Cons. at 50% (P.R.P.) 5.6 l/h Fuel Cons. at 25% (P.R.P.) 3.3 l/h Fuel Cons. at 25% (P.R.P.) 3.3 l/h Electronic regulator On request Precision class G2 Oil quantity 8.3 l Engine Antifreeze capacity 4.4 l Radiator type TR Heat from radiator 26.0 kW Heat from exhaust 30.0 kW Heat from radiation 7.0 kW Exhaust temperature 492 °C Portata Raffreddamento 53.0 m³/min Combustion air flow 2.9 m³/min Exhaust gas flow 7.0 m³/min TA Luft N TA Luft/2 N EPA N | Cooling | Water | |
| Fuel Cons. at 100% (E.P.) 11.8 l/h Fuel Cons. at 100% (P.R.P) 10.5 l/h Fuel Cons. at 75% (P.R.P.) 8.0 l/h Fuel Cons. at 50% (P.R.P.) 5.6 l/h Fuel Cons. at 25% (P.R.P.) 3.3 l/h Electronic regulator On request Precision class G2 Oil quantity 8.3 l Engine Antifreeze capacity 4.4 l Radiator type TR Heat from radiator 26.0 kW Heat from exhaust 30.0 kW Heat from radiation 7.0 kW Exhaust temperature 492 °C Portata Raffreddamento 53.0 m³/min Combustion air flow 2.9 m³/min Exhaust gas flow 7.0 m³/min TA Luft N TA Luft/2 N EPA N | Flywheel P.R.P. Power net | 41.3 | kW |
| Fuel Cons. at 100% (P.R.P.) 10.5 l/h Fuel Cons. at 75% (P.R.P.) 8.0 l/h Fuel Cons. at 50% (P.R.P.) 5.6 l/h Fuel Cons. at 25% (P.R.P.) 3.3 l/h Electronic regulator On request Precision class G2 Oil quantity 8.3 l Engine Antifreeze capacity 4.4 l Radiator type TR Heat from radiator 26.0 kW Heat from exhaust 30.0 kW Heat from radiation 7.0 kW Exhaust temperature 492 °C Portata Raffreddamento 53.0 m³/min Combustion air flow 2.9 m³/min Exhaust gas flow 7.0 m³/min TA Luft N TA Luft/2 N EPA N | Flywheel E.P. Power net | 45.6 | kW |
| Fuel Cons. at 75% (P.R.P.) 8.0 l/h Fuel Cons. at 50% (P.R.P.) 5.6 l/h Fuel Cons. at 25% (P.R.P.) 3.3 l/h Electronic regulator On request Precision class G2 Oil quantity 8.3 l Engine Antifreeze capacity 4.4 l Radiator type TR Heat from radiator 26.0 kW Heat from exhaust 30.0 kW Heat from radiation 7.0 kW Exhaust temperature 492 °C Portata Raffreddamento 53.0 m³/min Combustion air flow 2.9 m³/min Exhaust gas flow 7.0 m³/min TA Luft N TA Luft/2 N EPA N | Fuel Cons. at 100% (E.P.) | 11.8 | l/h |
| Fuel Cons. at 50% (P.R.P.) 5.6 l/h Fuel Cons. at 25% (P.R.P.) 3.3 l/h Electronic regulator On request Precision class G2 Oil quantity 8.3 l Engine Antifreeze capacity 4.4 l Radiator type TR Heat from radiator 26.0 kW Heat from exhaust 30.0 kW Heat from radiation 7.0 kW Exhaust temperature 492 °C Portata Raffreddamento 53.0 m³/min Combustion air flow 2.9 m³/min Exhaust gas flow 7.0 m³/min TA Luft N TA Luft/2 N EPA N | Fuel Cons. at 100% (P.R.P) | 10.5 | l/h |
| Fuel Cons. at 25% (P.R.P.) Electronic regulator Precision class G2 Oil quantity Engine Antifreeze capacity Heat from radiator Heat from exhaust Heat from radiation Exhaust temperature Protata Raffreddamento Combustion air flow Exhaust gas flow TA Luft TA Luft/2 EPA On request On request On request On request On request As 3 I Engine Antifree as 3 I Exhaust I Exhaust I Exhaust from radiation To kW To m³/min To m³/min To m³/min | Fuel Cons. at 75% (P.R.P.) | 8.0 | l/h |
| Electronic regulator Precision class G2 Oil quantity 8.3 I Engine Antifreeze capacity 4.4 I Radiator type TR Heat from radiator Heat from exhaust Heat from radiation 7.0 kW Exhaust temperature Portata Raffreddamento Combustion air flow Exhaust gas flow TA Luft TA Luft/2 EPA Oil request On passing TA Luft N TA Luft/2 N | Fuel Cons. at 50% (P.R.P.) | 5.6 | l/h |
| Precision class G2 Oil quantity Engine Antifreeze capacity Radiator type TR Heat from radiator Heat from exhaust Heat from radiation To kW Exhaust temperature Portata Raffreddamento Combustion air flow Exhaust gas flow TA Luft TA Luft TA Luft/2 EPA Radiator type TR TA Luft Radiator type TR TA Luft TA Luft/2 Radiator type TR TA Luft Radiator type TR TA Luft TA Luft/2 Radiator type TR TA Luft TA Luft Radiator type TR TA Luft TA Luft Radiator type TR TR TA Luft Radiator type TR TA Luft Radiator type TR TR TR TR TR TR TR TR TR T | Fuel Cons. at 25% (P.R.P.) | 3.3 | l/h |
| Oil quantity Engine Antifreeze capacity A.4 I Radiator type TR Heat from radiator Heat from exhaust Heat from radiation To kW Exhaust temperature Portata Raffreddamento Combustion air flow Exhaust gas flow TA Luft TA Luft/2 EPA Radiator type TR TR Heat from radiator 26.0 kW Aw EXHAUST TR TR Heat from radiator 7.0 kW EXHAUST EXHAUST TA Luft N TA Luft N TA Luft/2 EPA N | Electronic regulator | On request | |
| Engine Antifreeze capacity Radiator type TR Heat from radiator Heat from exhaust Heat from radiation To kW Exhaust temperature Portata Raffreddamento Combustion air flow Exhaust gas flow TA Luft TA Luft/2 EPA Readiator type TR 4.4 I Radiator type TR Heat from radiation 7.0 kW 492 °C C C Portata Raffreddamento 53.0 m³/min 7.0 m³/min TA Luft N TA Luft N | Precision class | G2 | |
| Radiator type Heat from radiator Heat from exhaust Heat from exhaust Heat from radiation To kW Exhaust temperature Portata Raffreddamento Combustion air flow Exhaust gas flow TA Luft TA Luft/2 EPA TR TR TR TR TR TR TR TR TR T | Oil quantity | 8.3 | I |
| Heat from radiator Heat from exhaust Heat from exhaust Heat from radiation 7.0 kW Exhaust temperature 492 °C Portata Raffreddamento Combustion air flow Exhaust gas flow 7.0 m³/min TA Luft N TA Luft/2 EPA N | Engine Antifreeze capacity | 4.4 | I |
| Heat from exhaust 30.0 kW Heat from radiation 7.0 kW Exhaust temperature 492 °C Portata Raffreddamento 53.0 m³/min Combustion air flow 2.9 m³/min Exhaust gas flow 7.0 m³/min TA Luft N TA Luft/2 N EPA N | Radiator type | TR | |
| Heat from radiation 7.0 kW Exhaust temperature 492 °C Portata Raffreddamento 53.0 m³/min Combustion air flow 2.9 m³/min Exhaust gas flow 7.0 m³/min TA Luft N TA Luft/2 N EPA N | Heat from radiator | 26.0 | kW |
| Exhaust temperature 492 °C Portata Raffreddamento 53.0 m³/min Combustion air flow 2.9 m³/min Exhaust gas flow 7.0 m³/min TA Luft N TA Luft/2 N EPA N | Heat from exhaust | 30.0 | kW |
| Portata Raffreddamento 53.0 m³/min Combustion air flow 2.9 m³/min Exhaust gas flow 7.0 m³/min TA Luft N TA Luft/2 N EPA N | Heat from radiation | 7.0 | kW |
| Combustion air flow 2.9 m³/min Exhaust gas flow 7.0 m³/min TA Luft N TA Luft/2 N EPA N | Exhaust temperature | 492 | °C |
| Exhaust gas flow 7.0 m³/min TA Luft N TA Luft/2 N EPA N | Portata Raffreddamento | 53.0 | m³/min |
| TA Luft N TA Luft/2 N EPA N | Combustion air flow | 2.9 | m³/min |
| TA Luft/2 N EPA N | Exhaust gas flow | 7.0 | m³/min |
| EPA N | TA Luft | N | |
| | TA Luft/2 | N | |
| | EPA | N | |
| Stage | Stage | N | |

| MAIN DATA | |
|------------------------|------------------|
| Continuous power (PRP) | 45.00 kVA |
| Continuous power (PRP) | 36.00 kW |
| Emergency power (E.P.) | 49.50 kVA |
| Emergency power (E.P.) | 39.60 kW |
| VAC - HZ - cos(fi) | 400 - 50 - 0.8 |
| Sound pressure 7 m. | 65.0 dBA |

| DIMENSIONS AND WEIGHT | | |
|-----------------------|------|----|
| Width | 945 | mm |
| Length | 2030 | mm |
| Height | 1470 | mm |
| Weight | 1070 | kg |

| ALTERNATOR | | |
|----------------------|-------------|-----|
| Description | STAMFORD | |
| Alternator model | S1L2-N | |
| P.R.P. Power | 45.0 | kVA |
| E.P. Power | 49.5 | kVA |
| Connection | Series star | |
| Phases | 3FN | |
| Winding | 311 | |
| Terminal Number | 12 | nr. |
| IP Protection | 23 | |
| Electronic regulator | AS540 | |
| Precision | 1.0 | ± % |

| BASEFRAME | |
|-----------------|------|
| Model | FOX |
| Standard tank | 90 I |
| Optional tank | 0 1 |
| Oversized tank* | 0 |

| CANOPY & SILENCER | | |
|--------------------------|--------|----|
| Canopy model | FOX | |
| Silencer model | F60/00 | |
| Silencer outlet diameter | 60.0 | mm |

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. E.P. - Emergency power: This is the maximum power that a generating set can deliver for a limited number of hours per year while complying with the maintenance frequency stipulated under the environmental conditions set by the Manufacturer. The number of hours per year is determined by the engine manufacturer. The average power output over time must be lower than the percentages set by the engine manufacturer. Overloading is not allowed.

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