

TECHNICAL DATASHEET / BIG FOX-P 30 FOX



Performance

Continuous power (PRP)	30.0	(KVA)
Continuous power (PRP)	24.0	(KW)
Stand-by power (LTP)	33.0	(KVA)
Stand-by power (LTP)	26.4	(KW)
Power factor	0.8	

VOLTAGE		
Frequency (Hz)	50	Hz
Voltage (V)	400	٧

DIMENSIONS AND NOISE LEVEL		
Width	945	mm
Length	2030	mm
Height	1470	mm
Weight	1010	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 30 FOX

STRONG POINTS

- 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

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TECHNICAL DATASHEET / BIG FOX-P 30 FOX

24 HOUR SERVICE 7000 4994

Engine

Engine model 1103A-33G Cylinders 3 nr. Speed 1500 r.p.m. Cubic capacity 3.300 cm³ Air intake Aspirated Standard voltage 12 Vdc Vdc Optional voltage Vdc Vdc Sae 3-11 1/2 BMEP 684 kPa Cooling Water ENGINE POWER Flywheel P.R.P. Power 28.2 kW Flywheel Stand-by Power 30.9 kW FUEL CONSUMPTION Fuel Cons. at 100% (L.T.P.) 7.9 l/h Fuel Cons. at 100% (P.R.P) 7.1 l/h Fuel Cons. at 55% (P.R.P.) 5.4 l/h Fuel Cons. at 25% (P.R.P.) 2.5 l/h SPEED REGULATION Electronic regulator On request Precision class G2 ENGINE DIMENSIONS AND LIQUIDS Oit quantity 8.3 l Antifreeze quantity 4.4 l Radiator standard IM50 HEAT FROM ENGINE Heat from radiator 16.0 kW Heat from radiator 5.0 kW EXHAUST DATA Exhaust temperature 500 °C Cooling air flow 5.70 m³/min	Engine brand	PERKINS		
Speed 1500	Engine model	1103A-33G		
Cubic capacity 3.300 cm³ Air intake Aspirated Standard voltage 12 Vdc Vdc Optional voltage Vdc Vdc Sae 3-11 1/2 BMEP 684 kPa Cooling Water ENGINE POWER Flywheel P.R.P. Power Flywheel P.R.P. Power 28.2 kW Flywheel Stand-by Power 30.9 kW Fuel Cons. at 100% (L.T.P.) 7.9 l/h Fuel Cons. at 100% (P.R.P) 7.1 l/h Fuel Cons. at 25% (P.R.P.) 5.4 l/h Fuel Cons. at 25% (P.R.P.) 3.9 l/h Fuel Cons. at 25% (P.R.P.) 2.5 l/h SPEED REGULATION Electronic regulator On request Precision class 62 ENGINE DIMENSIONS AND LIQUIDS 8.3 l Oil quantity 8.3 l Antifreeze quantity 4.4 l Radiator standard IM50 HEAT FROM ENGINE Heat from radiator 16.0 kW Heat from radiation 5.0 kW EXHAUST DATA Exhaust tempera	Cylinders	3	nr.	
Air intake Aspirated Standard voltage 12 Vdc Vdc Optional voltage Vdc Vdc Sae 3-11 1/2 BMEP 684 kPa Cooling Water ENGINE POWER Flywheel P.R.P. Power 28.2 kW Flywheel Stand-by Power 30.9 kW FUEL CONSUMPTION Fuel Cons. at 100% (P.R.P) 7.1 l/h Fuel Cons. at 25% (P.R.P.) 5.4 l/h Fuel Cons. at 25% (P.R.P.) 3.9 l/h Fuel Cons. at 25% (P.R.P.) 2.5 l/h SPEED REGULATION Electronic regulator On request Precision class 62 ENGINE DIMENSIONS AND LIQUIDS Oil quantity 8.3 l Antifreeze quantity 4.4 l Radiator standard IM50 HEAT FROM ENGINE Heat from radiator 16.0 kW Heat from radiation 5.0 kW EXHAUST DATA EXHAUST DATA 5.0 c Cooling air flow 5.3.00 m³/min	Speed	1500	r.p.m.	
Standard voltage	Cubic capacity	3.300	cm ³	
Optional voltage Vdc Vdc Sae 3-11 1/2 BMEP 684 kPa Cooling Water ENGINE POWER Flywheel P.R.P. Power 28.2 kW Flywheel Stand-by Power 30.9 kW FUEL CONSUMPTION Fuel Cons. at 100% (L.T.P.) 7.9 l/h Fuel Cons. at 75% (P.R.P.) 7.1 l/h Fuel Cons. at 75% (P.R.P.) 3.9 l/h Fuel Cons. at 25% (P.R.P.) 3.9 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 16.0 kW Heat from radiation 5.0 kW EXHAUST DATA Exhaust temperature 500 °C Cooling air flow 5.3.00 m³/min	Air intake	Aspirated		
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BMEP 684 kPa Cooling Water ENGINE POWER Water Flywheel P.R.P. Power 28.2 kW Flywheel Stand-by Power 30.9 kW FUEL CONSUMPTION Fuel Cons. at 100% (L.T.P.) 7.9 l/h Fuel Cons. at 75% (P.R.P.) 5.4 l/h Fuel Cons. at 50% (P.R.P.) 3.9 l/h Fuel Cons. at 25% (P.R.P.) 2.5 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 16.0 kW Heat from exhaust 22.0 kW Heat from radiation 5.0 kW EXHAUST DATA Exhaust temperature 500 °C Cooling air flow 53.00 m³/min Combustion air flow 2.16 m³/min	Optional voltage	Vdc	Vdc	
ENGINE POWER Flywheel P.R.P. Power 28.2 kW Flywheel Stand-by Power 30.9 kW FUEL CONSUMPTION Fuel Cons. at 100% (L.T.P.) 7.9 l/h Fuel Cons. at 100% (P.R.P) 7.1 l/h Fuel Cons. at 50% (P.R.P.) 5.4 l/h Fuel Cons. at 50% (P.R.P.) 3.9 l/h Fuel Cons. at 25% (P.R.P.) 2.5 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 16.0 kW Heat from exhaust 22.0 kW Heat from radiation 5.0 kW EXHAUST DATA Exhaust temperature 500 °C Cooling air flow 53.00 m³/min Combustion air flow 2.16 m³/min	Sae	3-11 1/2		
ENGINE POWER Flywheel P.R.P. Power Flywheel Stand-by Power 30.9 kW FUEL CONSUMPTION Fuel Cons. at 100% (L.T.P.) Fuel Cons. at 100% (P.R.P) Fuel Cons. at 50% (P.R.P.) Fuel Cons. at 50% (P.R.P.) Fuel Cons. at 25% (P.R.P.) SPEED REGULATION Electronic regulator 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 Heat from radiator 16.0 kW Heat from radiation 5.0 kW EXHAUST DATA Exhaust temperature 500 °C Cooling air flow Combustion air flow 53.00 m³/min Combustion air flow 2.16 m³/min	ВМЕР	684	kPa	
Flywheel P.R.P. Power 28.2 kW Flywheel Stand-by Power 30.9 kW FUEL CONSUMPTION Fuel Cons. at 100% (P.R.P) 7.9 l/h Fuel Cons. at 100% (P.R.P) 7.1 l/h Fuel Cons. at 75% (P.R.P.) 5.4 l/h Fuel Cons. at 25% (P.R.P.) 3.9 l/h Fuel Cons. at 25% (P.R.P.) 2.5 l/h SPEED REGULATION Electronic regulator On request Precision class 62 ENGINE DIMENSIONS AND LIQUIDS 0il quantity 0il quantity 8.3 l Antifreeze quantity 4.4 l Radiator standard IM50 HEAT FROM ENGINE 16.0 kW Heat from radiator 16.0 kW Heat from radiation 5.0 kW EXHAUST DATA Exhaust temperature 500 °C Cooling air flow 53.00 m³/min Combustion air flow 2.16 m³/min	Cooling	Water		
Flywheel Stand-by Power 30.9 kW FUEL CONSUMPTION Fuel Cons. at 100% (L.T.P.) 7.9 l/h Fuel Cons. at 100% (P.R.P) 7.1 l/h Fuel Cons. at 50% (P.R.P.) 5.4 l/h Fuel Cons. at 55% (P.R.P.) 3.9 l/h Fuel Cons. at 25% (P.R.P.) 2.5 l/h SPEED REGULATION Electronic regulator 0n request Precision class 62 ENGINE DIMENSIONS AND LIQUIDS Oil quantity 8.3 l Antifreeze quantity 4.4 l Radiator standard IM50 HEAT FROM ENGINE Heat from radiator 16.0 kW Heat from radiation 5.0 kW EXHAUST DATA Exhaust temperature 500 °C Cooling air flow 53.00 m³/min Combustion air flow 2.16 m³/min	ENGINE POWER			
FUEL CONSUMPTION Fuel Cons. at 100% (L.T.P.) 7.9 I/h Fuel Cons. at 100% (P.R.P) 7.1 I/h Fuel Cons. at 75% (P.R.P.) 5.4 I/h Fuel Cons. at 50% (P.R.P.) 3.9 I/h Fuel Cons. at 25% (P.R.P.) 2.5 I/h SPEED REGULATION Electronic regulator On request Precision class 62 ENGINE DIMENSIONS AND LIQUIDS Oil quantity 8.3 I Antifreeze quantity 4.4 I Radiator standard IM50 HEAT FROM ENGINE Heat from radiator 16.0 kW Heat from radiation 5.0 kW EXHAUST DATA Exhaust temperature 500 °C Cooling air flow 53.00 m³/min Combustion air flow 2.16 m³/min	Flywheel P.R.P. Power	28.2	kW	
Fuel Cons. at 100% (L.T.P.) 7.9 l/h Fuel Cons. at 100% (P.R.P) 7.1 l/h Fuel Cons. at 75% (P.R.P.) 5.4 l/h Fuel Cons. at 50% (P.R.P.) 3.9 l/h Fuel Cons. at 25% (P.R.P.) 2.5 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 16.0 kW Heat from exhaust 22.0 kW Heat from radiation 5.0 kW EXHAUST DATA Exhaust temperature 500 °C Cooling air flow 53.00 m³/min Combustion air flow 2.16 m³/min	Flywheel Stand-by Power	30.9	kW	
Fuel Cons. at 100% (P.R.P) Fuel Cons. at 75% (P.R.P.) Fuel Cons. at 50% (P.R.P.) Fuel Cons. at 25% (P.R.P.) SPEED REGULATION Electronic regulator Precision class G2 ENGINE DIMENSIONS AND LIQUIDS Oil quantity Antifreeze quantity Heat from radiator Heat from exhaust Heat from exhaust Heat from radiation EXHAUST DATA Exhaust temperature Combustion air flow 7.1 l/h 5.4 l/h 5.4 l/h 5.4 l/h 5.4 l/h 5.9 l/h S.9 l/h	FUEL CONSUMPTION			
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Fuel Cons. at 50% (P.R.P.) Fuel Cons. at 25% (P.R.P.) SPEED REGULATION Electronic regulator Precision class G2 ENGINE DIMENSIONS AND LIQUIDS Oil quantity Antifreeze quantity Radiator standard HEAT FROM ENGINE Heat from radiator Heat from exhaust Heat from radiation EXHAUST DATA Exhaust temperature Cooling air flow 5.0 cmbustion air flow 2.16 m³/min	Fuel Cons. at 100% (P.R.P)	7.1 1/		
Fuel Cons. at 25% (P.R.P.) SPEED REGULATION Electronic regulator Precision class G2 ENGINE DIMENSIONS AND LIQUIDS Oil quantity Antifreeze quantity Radiator standard HEAT FROM ENGINE Heat from radiator Heat from exhaust Heat from radiation EXHAUST DATA Exhaust temperature Cooling air flow Combustion air flow 2.16 m³/min	Fuel Cons. at 75% (P.R.P.)	5.4 1/	5.4 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 16.0 kW Heat from exhaust 22.0 kW Heat from radiation 5.0 kW EXHAUST DATA Exhaust temperature 500 °C Cooling air flow 53.00 m³/min Combustion air flow 2.16 m³/min	Fuel Cons. at 50% (P.R.P.)	3.9 1/	h	
Electronic regulator 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 16.0 kW Heat from exhaust 22.0 kW Heat from radiation 5.0 kW EXHAUST DATA Exhaust temperature Cooling air flow 53.00 m³/min Combustion air flow 2.16 m³/min	Fuel Cons. at 25% (P.R.P.)	2.5 l/	h	
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 16.0 kW Heat from exhaust 22.0 kW Heat from radiation 5.0 kW EXHAUST DATA Exhaust temperature 500 °C Cooling air flow 53.00 m³/min Combustion air flow 2.16 m³/min	SPEED REGULATION			
ENGINE DIMENSIONS AND LIQUIDS Oil quantity 8.3 l Antifreeze quantity 4.4 l Radiator standard IM50 HEAT FROM ENGINE Heat from radiator 16.0 kW Heat from exhaust 22.0 kW Heat from radiation 5.0 kW EXHAUST DATA Exhaust temperature 500 °C Cooling air flow 53.00 m³/min Combustion air flow 2.16 m³/min	Electronic regulator	On re	quest	
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Antifreeze quantity Radiator standard IM50 HEAT FROM ENGINE Heat from radiator Heat from exhaust 16.0 kW Heat from radiation 5.0 kW EXHAUST DATA Exhaust temperature Cooling air flow 53.00 m³/min Combustion air flow 2.16 m³/min	ENGINE DIMENSIONS AND LIQUIDS			
Radiator standard IM50 HEAT FROM ENGINE Heat from radiator 16.0 kW Heat from exhaust 22.0 kW Heat from radiation 5.0 kW EXHAUST DATA Exhaust temperature 500 °C Cooling air flow 53.00 m³/min Combustion air flow 2.16 m³/min	Oil quantity	8.3 l		
HEAT FROM ENGINE Heat from radiator Heat from exhaust 22.0 kW Heat from radiation 5.0 kW EXHAUST DATA Exhaust temperature Cooling air flow 53.00 m³/min Combustion air flow 2.16 m³/min	Antifreeze quantity	4.4 (4.4 l	
Heat from radiator 16.0 kW Heat from exhaust 22.0 kW Heat from radiation 5.0 kW EXHAUST DATA Exhaust temperature 500 °C Cooling air flow 53.00 m³/min Combustion air flow 2.16 m³/min	Radiator standard	IM50		
Heat from exhaust 22.0 kW Heat from radiation 5.0 kW EXHAUST DATA Exhaust temperature 500 °C Cooling air flow 53.00 m³/min Combustion air flow 2.16 m³/min	HEAT FROM ENGINE			
Heat from radiation 5.0 kW EXHAUST DATA Exhaust temperature 500 °C Cooling air flow 53.00 m³/min Combustion air flow 2.16 m³/min	Heat from radiator	16.0	16.0 kW	
EXHAUST DATA Exhaust temperature 500 °C Cooling air flow 53.00 m³/min Combustion air flow 2.16 m³/min	Heat from exhaust	22.0	22.0 kW	
Exhaust temperature 500 °C Cooling air flow 53.00 m³/min Combustion air flow 2.16 m³/min	Heat from radiation	5.0 k	W	
Cooling air flow 53.00 m³/min Combustion air flow 2.16 m³/min	EXHAUST DATA			
Combustion air flow 2.16 m³/min	Exhaust temperature	500°	C	
	Cooling air flow	53.00	m³/min	
Exhaust gas flow 5.70 m³/min	Combustion air flow	2.16	2.16 m³/min	
	Exhaust gas flow	5.70	m³/min	

EMISSIONS	
TA Luft	Not available
TA Luft/2	Not available
EPA	Not available
Stage	Not available

Alternator

Alternator brand	STAMFORD
Alternator model	PI144D
PRP Power	30.0 kVA
LTP Power	33.0 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	F60/00
Silencer outlet diameter	65.0 mm

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