TECHNICAL DATASHEET P 45 FOX



P 45 FOX





BIG FOX "FOX"



For i	Huetrativ	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 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 I/h I/h Fuel Cons. at 100% (P.R.P.) 10.5 I/h I/h Fuel Cons. at 50% (P.R.P.) 8.0 I/h I/h I/h Fuel Cons. at 25% (P.R.P.) 3.3 I/h	ENGINE		
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 100% (P.R.P) 10.5 l/h Fuel Cons. at 50% (P.R.P.) 5.6 l/h Fuel Cons. at 25% (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 rediation 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		DEDIZING	
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 100% (P.R.P) 10.5 l/h Fuel Cons. at 55% (P.R.P.) 8.0 l/h Fuel Cons. at 55% (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 N </td <td>·</td> <td></td> <td></td>	·		
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 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 radiation 7.0 kW Exhaust temperature 492 °C Portata Raffreddamento 53.0 m³/min Exhaust gas flow 7.0 m³/min Exhaust gas flow 7.0 m³/min Exhaust gas flow <td><u> </u></td> <td></td> <td></td>	<u> </u>		
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 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 I Engine Antifreeze capacity 4.4 I R Reat from radiator 26.0 kW Heat from radiator 26.0 kW Heat from radiation 7.0 kW Exhaust temperature 492 °C Portata Raffreddamen	•	_	
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 50% (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 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	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 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	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 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 I Engine Antifreeze capacity 4.4 l I Radiator type TR I Heat from radiator 26.0 kW 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	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 200% (P.R.P.) 10.5 l/h Fuel Cons. at 75% (P.R.P.) 8.0 l/h Fuel Cons. at 25% (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	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 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 <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/2 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/2 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 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	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	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	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 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	Fuel Cons. at 100% (E.P.)	11.8	l/h
Fuel Cons. at 50% (P.R.P.) Fuel Cons. at 25% (P.R.P.) Fuel Cons. at 25% (P.R.P.) Electronic regulator Precision class G2 Oil quantity Engine Antifreeze capacity Radiator type TR Heat from radiator Heat from exhaust Heat from radiation 7.0 kW Exhaust temperature Precision class G2 Oil quantity TR Heat from radiator Conbustion air flow Ton the control of the c	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 To kW Exhaust temperature Portata Raffreddamento Combustion air flow TA Luft TA Luft/2 Son request On request On request On request And And N Ta Luft/2 And And And And And And And An	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 N TA Luft/2 N On request On request On request On request On request On request Ag2 C2 On request Ag2 N TA Luft/2 N TA Luft/2	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 TA Luft TA Luft/2 Radiator type TR TA Luft/2 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 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 N TA Luft/2 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 N TA Luft/2 TA Luft/2	Precision class	G2	
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	Oil quantity	8.3	I
Heat from radiator 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	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	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	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	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	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	Exhaust temperature	492	°C
Exhaust gas flow 7.0 m³/min TA Luft N TA Luft/2 N	Portata Raffreddamento	53.0	m³/min
TA Luft N TA Luft/2 N	Combustion air flow	2.9	m³/min
TA Luft/2 N	Exhaust gas flow	7.0	m³/min
	TA Luft	N	
EPA N	TA Luft/2	N	
	EPA	N	
Stage	Stage	N	

MAIN DATA	
Continuous power (PRP)	41.20 kVA
Continuous power (PRP)	32.96 kW
Emergency power (E.P.)	45.30 kVA
Emergency power (E.P.)	36.24 kW
VAC - HZ - cos(fi)	380 - 50 - 0.8
Sound pressure 7 m.	65.0 dBA

DIMENSIONS AND WEIGHT		
Width	945	mm
Length	2030	mm
Height	1470	mm
Weight	1050	kg

ALTERNATOR		
Description	STAMFORD	
Alternator model	S1L2-N	
P.R.P. Power	41.2	kVA
E.P. Power	45.3	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
Optional tank	0 1
Oversized tank*	0 1

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.