TECHNICAL DATASHEET P 21 FOX



P 21 FOX





FOX "FOX"



For ill	ustrative	e purposes	only

ENGINE Description PERKINS Engine model 404A-22G1 Cylinders 4 RPM speed 1500 Cubic capacity 2.22 Air intake Aspirated Standard voltage 12 Optional voltage Vdc Sae 4-7 BMEP 669 kPa Cooling Water Flywheel P.R.P. Power net 18.4 kW Flywheel Stand-by Power net 20.3 kW Fuel Cons. at 100% (L.T.P.) 6.1 I/h Fuel Cons. at 100% (P.R.P.) 5.3 I/h Fuel Cons. at 55% (P.R.P.) 2.9 I/h Fuel Cons. at 25% (P.R.P.) 0.0 I/h Fuel Cons. at 25% (P.R.P.)	ENGINE		
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RPM speed 1500 Cubic capacity 2.22 I Air intake Aspirated Standard voltage 12 Vdc Optional voltage Vdc Vdc Vdc Vdc Vdc Vdc Vdc Sae 4-7 BMEP 669 kPa Cooling Water Flywheel P.R.P. Power net 18.4 kW Flywheel Stand-by Power net 20.3 kW Fuel Cons. at 100% (L.T.P.) 6.1 I/h I/h Fuel Cons. at 100% (P.R.P.) 6.1 I/h Fuel Cons. at 100% (P.R.P.) 5.3 I/h I/h Fuel Cons. at 50% (P.R.P.) 4.0 I/h I/h Fuel Cons. at 50% (P.R.P.) 9.0 I/h I/h Fuel Cons. at 25% (P.R.P.) 9.0 I/h	Engine model	404A-22G1	
Cubic capacity 2.22 I Air intake Aspirated Standard voltage 12 Vdc Optional voltage Vdc Sae 4-7 BMEP 669 kPa Cooling Water Flywheel P.R.P. Power net 18.4 kW Flywheel Stand-by Power net 20.3 kW Fuel Cons. at 100% (L.T.P.) 6.1 I/h Fuel Cons. at 100% (P.R.P.) 5.3 I/h Fuel Cons. at 75% (P.R.P.) 4.0 I/h Fuel Cons. at 50% (P.R.P.) 2.9 I/h Fuel Cons. at 25% (P.R.P.) 0.0 I/h Electronic regulator 0.0 <td>Cylinders</td> <td>4</td> <td></td>	Cylinders	4	
Air intake Aspirated Standard voltage 12 Vdc Optional voltage Vdc Sae 4-7 BMEP 669 kPa Cooling Water Flywheel P.R.P. Power net 18.4 kW Flywheel Stand-by Power net 20.3 kW Fuel Cons. at 100% (L.T.P.) 6.1 l/h Fuel Cons. at 100% (P.R.P) 5.3 l/h Fuel Cons. at 75% (P.R.P.) 4.0 l/h Fuel Cons. at 50% (P.R.P.) 2.9 l/h Fuel Cons. at 25% (P.R.P.) 0.0 l/h Electronic regulator On request Precision class G2 Oil quantity 10.6 l Engine Antifreeze capacity 3.6 l Radiator type TR Heat from radiator 17.0 kW Heat from exhaust 14.0 kW Heat from radiation 3.3 kW Exhaust temperature 445 °C Portata Raffreddamento 29.4 m³/min Combustion air flow 1.5 m³/min Exhaust gas flow 3.6 m³/min TA Luft/2 N EPA N	RPM speed	1500	
Standard voltage 12 Vdc Optional voltage Vdc Sae 4-7 BMEP 669 kPa Cooling Water Flywheel P.R.P. Power net 18.4 kW Flywheel Stand-by Power net 20.3 kW Fuel Cons. at 100% (L.T.P.) 6.1 l/h Fuel Cons. at 100% (P.R.P) 5.3 l/h Fuel Cons. at 75% (P.R.P.) 4.0 l/h Fuel Cons. at 50% (P.R.P.) 2.9 l/h Fuel Cons. at 25% (P.R.P.) 0.0 l/h Flectronic regulator On request Precision class G2 Oil quantity 10.6 l Engine Antifreeze capacity 3.6 l Radiator type TR Heat from radiator 17.0 kW Heat from exhaust 14.0 kW Heat from radiation 3.3 kW Exhaust temperature 445 °C Portata Raffreddamento 29.4 m³/min Combustion air flow 1.5 m³/min Exhaust gas flow 3.6 m³/min TA Luft/2 N EPA N	Cubic capacity	2.22	I
Optional voltage Vdc Sae 4-7 BMEP 669 kPa Cooling Water Flywheel P.R.P. Power net 18.4 kW Flywheel Stand-by Power net 20.3 kW Fuel Cons. at 100% (L.T.P.) 6.1 l/h Fuel Cons. at 100% (P.R.P) 5.3 l/h Fuel Cons. at 75% (P.R.P.) 4.0 l/h Fuel Cons. at 50% (P.R.P.) 2.9 l/h Fuel Cons. at 25% (P.R.P.) 0.0	Air intake	Aspirated	
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BMEP 669 kPa Cooling Water Flywheel P.R.P. Power net 18.4 kW Flywheel Stand-by Power net 20.3 kW Fuel Cons. at 100% (L.T.P.) 6.1 l/h Fuel Cons. at 100% (P.R.P) 5.3 l/h Fuel Cons. at 75% (P.R.P.) 4.0 l/h Fuel Cons. at 50% (P.R.P.) 2.9 l/h Fuel Cons. at 25% (P.R.P.) 0.0 l/h Electronic regulator On request Precision class G2 Oil quantity 10.6 l Engine Antifreeze capacity 3.6 l Radiator type TR R Heat from radiator 17.0 kW Heat from exhaust 14.0 kW Heat from radiation 3.3 kW Exhaust temperature 445 °C Portata Raffreddamento 29.4 m³/min Combustion air flow 1.5 m³/min Exhaust gas flow 3.6 m³/min TA Luft/2 N EPA N	Optional voltage		Vdc
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Flywheel P.R.P. Power net 18.4 kW Flywheel Stand-by Power net 20.3 kW Fuel Cons. at 100% (L.T.P.) 6.1 l/h Fuel Cons. at 100% (P.R.P) 5.3 l/h Fuel Cons. at 75% (P.R.P.) 4.0 l/h Fuel Cons. at 50% (P.R.P.) 2.9 l/h Fuel Cons. at 25% (P.R.P.) 0.0 l/h Electronic regulator On request Precision class G2 Oil quantity 10.6 l Engine Antifreeze capacity 3.6 l Radiator type TR Heat from radiator 17.0 kW Heat from exhaust 14.0 kW Heat from radiation 3.3 kW Exhaust temperature 445 °C Portata Raffreddamento 29.4 m³/min Combustion air flow 1.5 m³/min Exhaust gas flow 3.6 m³/min TA Luft N EPA N	ВМЕР	669	kPa
Flywheel Stand-by Power net 20.3 kW Fuel Cons. at 100% (L.T.P.) 6.1 l/h Fuel Cons. at 100% (P.R.P) 5.3 l/h Fuel Cons. at 75% (P.R.P.) 4.0 l/h Fuel Cons. at 50% (P.R.P.) 2.9 l/h Fuel Cons. at 25% (P.R.P.) 0.0 l/h Fuel Cons. at 25% (P.R.P.) 0.0 l/h Electronic regulator On request Precision class G2 Oil quantity 10.6 l Engine Antifreeze capacity 3.6 l Radiator type TR Heat from radiator 17.0 kW Heat from exhaust 14.0 kW Heat from radiation 3.3 kW Exhaust temperature 445 °C Portata Raffreddamento 29.4 m³/min Combustion air flow 1.5 m³/min Exhaust gas flow 3.6 m³/min TA Luft N TA Luft/2 N EPA N	Cooling	Water	
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Fuel Cons. at 100% (P.R.P.) 5.3 l/h Fuel Cons. at 75% (P.R.P.) 4.0 l/h Fuel Cons. at 50% (P.R.P.) 2.9 l/h Fuel Cons. at 25% (P.R.P.) 0.0 l/h Electronic regulator On request Precision class G2 Oil quantity 10.6 l Engine Antifreeze capacity 3.6 l Radiator type TR Heat from radiator 17.0 kW Heat from exhaust 14.0 kW Heat from radiation 3.3 kW Exhaust temperature 445 °C Portata Raffreddamento 29.4 m³/min Combustion air flow 1.5 m³/min Exhaust gas flow 3.6 m³/min TA Luft N TA Luft/2 N EPA N	Flywheel Stand-by Power net	20.3	kW
Fuel Cons. at 75% (P.R.P.) 4.0 l/h Fuel Cons. at 50% (P.R.P.) 2.9 l/h Fuel Cons. at 25% (P.R.P.) 0.0 l/h Electronic regulator On request Precision class G2 Oil quantity 10.6 l Engine Antifreeze capacity 3.6 l Radiator type TR Heat from radiator 17.0 kW Heat from exhaust 14.0 kW Heat from radiation 3.3 kW Exhaust temperature 445 °C Portata Raffreddamento 29.4 m³/min Combustion air flow 1.5 m³/min Exhaust gas flow 3.6 m³/min TA Luft N TA Luft/2 N EPA N	Fuel Cons. at 100% (L.T.P.)	6.1	l/h
Fuel Cons. at 50% (P.R.P.) 2.9 l/h Fuel Cons. at 25% (P.R.P.) 0.0 l/h Electronic regulator On request Precision class G2 Oil quantity 10.6 l Engine Antifreeze capacity 3.6 l Radiator type TR Heat from radiator 17.0 kW Heat from exhaust 14.0 kW Heat from radiation 3.3 kW Exhaust temperature 445 °C Portata Raffreddamento 29.4 m³/min Combustion air flow 1.5 m³/min Exhaust gas flow 3.6 m³/min TA Luft N TA Luft/2 N EPA N	Fuel Cons. at 100% (P.R.P)	5.3	l/h
Fuel Cons. at 25% (P.R.P.) Electronic regulator Precision class G2 Oil quantity 10.6 Engine Antifreeze capacity Radiator type TR Heat from radiator Heat from exhaust Heat from radiation Exhaust temperature Portata Raffreddamento Combustion air flow Exhaust gas flow TA Luft TA Luft/2 EPA On request I a.6 I R TA N TA Luft N TA Luft/2 EPA N	Fuel Cons. at 75% (P.R.P.)	4.0	l/h
Electronic regulator Precision class G2 Oil quantity Engine Antifreeze capacity Radiator type TR Heat from radiator Heat from exhaust Heat from radiation Exhaust temperature Portata Raffreddamento Combustion air flow TA Luft TA Luft/2 EPA Oil quantity 10.6 17.0 18.0 18.0 19.0 10.6 10.6 10.6 10.6 10.6 10.6 10.6 10.6 10.6 10.6 10.7 10.8 1	Fuel Cons. at 50% (P.R.P.)	2.9	l/h
Precision class G2 Oil quantity Engine Antifreeze capacity Radiator type TR Heat from radiator Heat from exhaust Heat from radiation Exhaust temperature Portata Raffreddamento Combustion air flow Exhaust gas flow TA Luft TA Luft TA Luft/2 EPA Sequence of C 10.6 I 10.6 I 11.5 I 12.0 kW 12.0 kW 14.0 kW 14.0 kW 14.0 kW 14.0 kW 15.0 °C 1	Fuel Cons. at 25% (P.R.P.)	0.0	l/h
Oil quantity Engine Antifreeze capacity Radiator type TR Heat from radiator Heat from exhaust Heat from radiation Exhaust temperature Portata Raffreddamento Combustion air flow Exhaust gas flow TA Luft TA Luft/2 EPA 10.6 I	Electronic regulator	On request	
Engine Antifreeze capacity Radiator type TR Heat from radiator Heat from exhaust Heat from radiation Exhaust temperature Portata Raffreddamento Combustion air flow TA Luft TA Luft/2 EPA TR HA A B A B A B A B A B A B A B A B B	Precision class	G2	
Radiator type Heat from radiator Heat from exhaust Heat from exhaust Heat from radiation Exhaust temperature Portata Raffreddamento Combustion air flow Exhaust gas flow TA Luft TA Luft/2 EPA TR TA W HEAT TA Luft TA Luft/2 TA Luft TA Luft/2 TA Luft TA Luft TA Luft TA Luft TA Luft TA Luft TA Luft TA Luft TA Luft TA Luft TA Luft TA Lu	Oil quantity	10.6	1
Heat from radiator 17.0 kW Heat from exhaust 14.0 kW Heat from radiation 3.3 kW Exhaust temperature 445 °C Portata Raffreddamento 29.4 m³/min Combustion air flow 1.5 m³/min Exhaust gas flow 3.6 m³/min TA Luft N TA Luft/2 N EPA N	Engine Antifreeze capacity	3.6	I
Heat from exhaust 14.0 kW Heat from radiation 3.3 kW Exhaust temperature 445 °C Portata Raffreddamento 29.4 m³/min Combustion air flow 1.5 m³/min Exhaust gas flow 3.6 m³/min TA Luft N TA Luft/2 N EPA N	Radiator type	TR	
Heat from radiation 3.3 kW Exhaust temperature 445 °C Portata Raffreddamento 29.4 m³/min Combustion air flow 1.5 m³/min Exhaust gas flow 3.6 m³/min TA Luft N TA Luft/2 N EPA N	Heat from radiator	17.0	kW
Exhaust temperature 445 °C Portata Raffreddamento 29.4 m³/min Combustion air flow 1.5 m³/min Exhaust gas flow 3.6 m³/min TA Luft N TA Luft/2 N EPA N	Heat from exhaust	14.0	kW
Portata Raffreddamento 29.4 m³/min Combustion air flow 1.5 m³/min Exhaust gas flow 3.6 m³/min TA Luft N TA Luft/2 N EPA N	Heat from radiation	3.3	kW
Combustion air flow 1.5 m³/min Exhaust gas flow 3.6 m³/min TA Luft N TA Luft/2 N EPA N	Exhaust temperature	445	°C
Exhaust gas flow TA Luft N TA Luft/2 EPA N TA Luft/2 N	Portata Raffreddamento	29.4	m³/min
TA Luft N TA Luft/2 N EPA N	Combustion air flow	1.5	m³/min
TA Luft/2 N EPA N	Exhaust gas flow	3.6	m³/min
EPA N	TA Luft	N	
	TA Luft/2	N	
Stage	EPA	N	
	Stage	N	

MAIN DATA	
Continuous power (PRP)	20.00 kVA
Continuous power (PRP)	16.00 kW
Stand-by power (LTP)	22.00 kVA
Stand-by power (LTP)	17.60 kW
VAC - HZ - cos(fi)	415 - 50 - 0.8
Sound pressure 7 m.	65 dBA

DIMENSIONS AND WEIGHT				
	Width	770	mm	
	Length	1660	mm	
	Height	1330	mm	
	Weight	680	kg	

ALTERNATOR		
Description	STAMFORD	
Alternator model	S0L2-G	
P.R.P. Power	20	kVA
L.T.P. Power	22	kVA
Connection	Series star	
Phases	3FN	
Winding	311	
Terminal Number	12	nr.
IP Protection	23	
Electronic regulator	AS540	
Precision	1	± %

BASEFRAME	
Model	FOX
Standard tank	50 I
Optional tank	600 I
Oversized tank*	0

CANOPY & SILENCER			
Canopy model	FOX		
Silencer model	F50/02		
Silencer outlet diameter	50	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. 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. Visa S.p.A. reserves the right to revise the information without notice per our policy of continuous product development and improvement.