## **TECHNICAL DATASHEET P 21 FOX**



## **P 21 FOX**





## FOX "FOX"



For illus	strative	nurnoses	only

Description         PERKINS           Engine model         404J-22G           Cylinders         4           RPM speed         1500           Cubic capacity         2.22           Air intake         Aspirated           Standard voltage         12           Optional voltage         Vdc           Sae         4-7           BMEP         671         kPa           Cooling         Water           Flywheel P.R.P. Power net         18.5         kW           Flywheel Stand-by Power net         20.5         kW           Fuel Cons. at 100% (P.R.P.)         5.6         l/h           Fuel Cons. at 100% (P.R.P.)         5.6         l/h           Fuel Cons. at 75% (P.R.P.)         4.0         l/h           Fuel Cons. at 25% (P.R.P.)         0.0         l/h           Fuel Cons. at 25% (P.R.P.)         0.0         l/h           Fuel Cons. at 25% (P.R.P.)         10.0         l/h           Fuel Cons. at 25% (P.R.P.)         2.2         l/h           Fuel Cons. at 25% (P.R.P.)         10.0         l/h           Fuel Cons. at 25% (P.R.P.)         10.0         l/h           Fuel Cons. at 25% (P.R.P.)         2.0         l/h	ENCINE		
Engine model 404J-22G  Cylinders	ENGINE		
Cylinders         4           RPM speed         1500           Cubic capacity         2.22           Air intake         Aspirated           Standard voltage         12           Optional voltage         Vdc           Sae         4-7           BMEP         671         kPa           Cooling         Water           Flywheel P.R.P. Power net         18.5         kW           Flywheel Stand-by Power net         20.5         kW           Fuel Cons. at 100% (P.R.P.)         6.4         l/h           Fuel Cons. at 100% (P.R.P.)         5.6         l/h           Fuel Cons. at 50% (P.R.P.)         2.2         l/h           Fuel Cons. at 50% (P.R.P.)         0.0         l/h           Fuel Cons. at 50%			
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         671         kPa         Cooling         Water         Flywheel P.R.P. Power net         18.5         kW         Flywheel Stand-by Power net         20.5         kW         Fuel Cons. at 100% (L.T.P.)         6.4         I/h         I/h         Fuel Cons. at 100% (P.R.P.)         5.6         I/h         I/h         Fuel Cons. at 100% (P.R.P.)         5.6         I/h         I/h         Fuel Cons. at 50% (P.R.P.)         4.0         I/h         I/h <th< td=""><td>Engine model</td><td>404J-22G</td><td></td></th<>	Engine model	404J-22G	
Cubic capacity         2.22         I           Air intake         Aspirated           Standard voltage         12         Vdc           Optional voltage         Vdc           Sae         4-7         Possible           BMEP         671         kPa           Cooling         Water         Flywheel P.R.P. Power net         18.5         kW           Flywheel Stand-by Power net         20.5         kW           Flywheel Stand-by Power net         20.5         kW           Fuel Cons. at 100% (L.T.P.)         6.4         I/h           Fuel Cons. at 100% (P.R.P.)         5.6         I/h           Fuel Cons. at 75% (P.R.P.)         4.0         I/h           Fuel Cons. at 25% (P.R.P.)         0.0         I/h           Fuel Cons. at 50% (P.R.P.)         10.0         I/h           Fuel Cons. at 50% (P.R.P.)         10.0         I/h	Cylinders	4	
Air intake       Aspirated         Standard voltage       12 Vdc         Optional voltage       Vdc         Sae       4-7         BMEP       671 kPa         Cooling       Water         Flywheel P.R.P. Power net       18.5 kW         Flywheel Stand-by Power net       20.5 kW         Fuel Cons. at 100% (L.T.P.)       6.4 l/h         Fuel Cons. at 100% (P.R.P)       5.6 l/h         Fuel Cons. at 75% (P.R.P.)       4.0 l/h         Fuel Cons. at 50% (P.R.P.)       2.2 l/h         Fuel Cons. at 25% (P.R.P.)       0.0 l/h         Electronic regulator       Not available         Precision class       0il quantity       10.6 l         Engine Antifreeze capacity       3.6 l         Radiator type       TR         Heat from radiator       15.2 kW         Heat from exhaust       12.6 kW         Heat from radiation       2.9 kW         Exhaust temperature       490 °C         Portata Raffreddamento       60.0 m³/min         Combustion air flow       2.0 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         671 kPa           Cooling         Water           Flywheel P.R.P. Power net         18.5 kW           Flywheel Stand-by Power net         20.5 kW           Fuel Cons. at 100% (L.T.P.)         6.4 l/h           Fuel Cons. at 100% (P.R.P)         5.6 l/h           Fuel Cons. at 75% (P.R.P.)         4.0 l/h           Fuel Cons. at 50% (P.R.P.)         2.2 l/h           Fuel Cons. at 25% (P.R.P.)         0.0 l/h           Flectronic regulator         Not available           Precision class         0il quantity           Oil quantity         10.6 l           Engine Antifreeze capacity         3.6 l           Radiator type         TR           Heat from radiator         15.2 kW           Heat from exhaust         12.6 kW           Heat from radiation         2.9 kW           Exhaust temperature         490 °C           Portata Raffreddamento         60.0 m³/min           Combustion air flow         2.0 m³/min           Exhaust gas flow         3.6 m³/min           TA Luft/2         N           EPA         N <td>Cubic capacity</td> <td>2.22</td> <td>I</td>	Cubic capacity	2.22	I
Optional voltage         Vdc           Sae         4-7           BMEP         671         kPa           Cooling         Water         Flywheel P.R.P. Power net         18.5         kW           Flywheel Stand-by Power net         20.5         kW           Fuel Cons. at 100% (L.T.P.)         6.4         I/h           Fuel Cons. at 100% (P.R.P)         5.6         I/h           Fuel Cons. at 75% (P.R.P.)         4.0         I/h           Fuel Cons. at 50% (P.R.P.)         2.2         I/h           Fuel Cons. at 25% (P.R.P.)         0.0         I/h	Air intake	Aspirated	
Sae       4-7         BMEP       671       kPa         Cooling       Water       Flywheel P.R.P. Power net       18.5       kW         Flywheel Stand-by Power net       20.5       kW         Fuel Cons. at 100% (L.T.P.)       6.4       l/h         Fuel Cons. at 100% (P.R.P)       5.6       l/h         Fuel Cons. at 55% (P.R.P.)       4.0       l/h         Fuel Cons. at 50% (P.R.P.)       2.2       l/h         Fuel Cons. at 25% (P.R.P.)       0.0       l/h         Electronic regulator       Not available         Precision class       Oil quantity       10.6       l         Engine Antifreeze capacity       3.6       l         Radiator type       TR       TR         Heat from radiator       15.2       kW         Heat from exhaust       12.6       kW         Heat from radiation       2.9       kW         Exhaust temperature       490       °C         Portata Raffreddamento       60.0       m³/min         Combustion air flow       2.0       m³/min         TA Luft       N         EPA       N	Standard voltage	12	Vdc
BMEP 671 kPa  Cooling Water  Flywheel P.R.P. Power net 18.5 kW  Flywheel Stand-by Power net 20.5 kW  Fuel Cons. at 100% (L.T.P.) 6.4 l/h  Fuel Cons. at 100% (P.R.P) 5.6 l/h  Fuel Cons. at 50% (P.R.P.) 4.0 l/h  Fuel Cons. at 55% (P.R.P.) 2.2 l/h  Fuel Cons. at 25% (P.R.P.) 0.0 l/h  Electronic regulator Not available  Precision class  Oil quantity 10.6 l  Engine Antifreeze capacity 3.6 l  Radiator type TR  Heat from radiator 15.2 kW  Heat from exhaust 12.6 kW  Heat from radiation 2.9 kW  Exhaust temperature 490 °C  Portata Raffreddamento 60.0 m³/min  Combustion air flow 2.0 m³/min  Exhaust gas flow 3.6 m³/min  TA Luft N  TA Luft/2  EPA N	Optional voltage		Vdc
Cooling Water Flywheel P.R.P. Power net 18.5 kW Flywheel Stand-by Power net 20.5 kW Fuel Cons. at 100% (L.T.P.) 6.4 l/h Fuel Cons. at 100% (P.R.P) 5.6 l/h Fuel Cons. at 50% (P.R.P.) 4.0 l/h Fuel Cons. at 55% (P.R.P.) 2.2 l/h Fuel Cons. at 25% (P.R.P.) 0.0 l/h Electronic regulator Not available Precision class Oil quantity 10.6 l Engine Antifreeze capacity 3.6 l Radiator type TR Heat from radiator 15.2 kW Heat from exhaust 12.6 kW Heat from radiation 2.9 kW Exhaust temperature 490 °C Portata Raffreddamento 60.0 m³/min Combustion air flow 2.0 m³/min Exhaust gas flow 3.6 m³/min TA Luft N TA Luft/2 EPA N	Sae	4-7	
Flywheel P.R.P. Power net         18.5 kW           Flywheel Stand-by Power net         20.5 kW           Fuel Cons. at 100% (L.T.P.)         6.4 l/h           Fuel Cons. at 100% (P.R.P)         5.6 l/h           Fuel Cons. at 75% (P.R.P.)         4.0 l/h           Fuel Cons. at 50% (P.R.P.)         2.2 l/h           Fuel Cons. at 25% (P.R.P.)         0.0 l/h           Electronic regulator         Not available           Precision class         0il quantity           Oil quantity         10.6 l           Engine Antifreeze capacity         3.6 l           Radiator type         TR           Heat from radiator         15.2 kW           Heat from exhaust         12.6 kW           Heat from radiation         2.9 kW           Exhaust temperature         490 °C           Portata Raffreddamento         60.0 m³/min           Combustion air flow         2.0 m³/min           Exhaust gas flow         3.6 m³/min           TA Luft         N           TA Luft/2         N           EPA         N	ВМЕР	671	kPa
Flywheel Stand-by Power net         20.5 kW           Fuel Cons. at 100% (L.T.P.)         6.4 l/h           Fuel Cons. at 100% (P.R.P)         5.6 l/h           Fuel Cons. at 75% (P.R.P.)         4.0 l/h           Fuel Cons. at 50% (P.R.P.)         2.2 l/h           Fuel Cons. at 25% (P.R.P.)         0.0 l/h           Fuel Cons. at 50% (P.R.P.)         0.0 l/h           N         10.6 l           English (P.R.P.)         10.6 l           English (P.R	Cooling	Water	
Fuel Cons. at 100% (L.T.P.)       6.4 I/h         Fuel Cons. at 100% (P.R.P)       5.6 I/h         Fuel Cons. at 75% (P.R.P.)       4.0 I/h         Fuel Cons. at 50% (P.R.P.)       2.2 I/h         Fuel Cons. at 25% (P.R.P.)       0.0 I/h         Electronic regulator       Not available         Precision class       0il quantity         Oil quantity       10.6 I         Engine Antifreeze capacity       3.6 I         Radiator type       TR         Heat from radiator       15.2 kW         Heat from exhaust       12.6 kW         Heat from radiation       2.9 kW         Exhaust temperature       490 °C         Portata Raffreddamento       60.0 m³/min         Combustion air flow       2.0 m³/min         Exhaust gas flow       3.6 m³/min         TA Luft       N         TA Luft/2       N         EPA       N	Flywheel P.R.P. Power net	18.5	kW
Fuel Cons. at 100% (P.R.P.)       5.6 l/h         Fuel Cons. at 75% (P.R.P.)       4.0 l/h         Fuel Cons. at 50% (P.R.P.)       2.2 l/h         Fuel Cons. at 25% (P.R.P.)       0.0 l/h         Electronic regulator       Not available         Precision class       Precision class         Oil quantity       10.6 l         Engine Antifreeze capacity       3.6 l         Radiator type       TR         Heat from radiator       15.2 kW         Heat from exhaust       12.6 kW         Heat from radiation       2.9 kW         Exhaust temperature       490 °C         Portata Raffreddamento       60.0 m³/min         Combustion air flow       2.0 m³/min         Exhaust gas flow       3.6 m³/min         TA Luft       N         TA Luft/2       N         EPA       N	Flywheel Stand-by Power net	20.5	kW
Fuel Cons. at 75% (P.R.P.)       4.0 l/h         Fuel Cons. at 50% (P.R.P.)       2.2 l/h         Fuel Cons. at 25% (P.R.P.)       0.0 l/h         Electronic regulator       Not available         Precision class       0il quantity       10.6 l         Engine Antifreeze capacity       3.6 l         Radiator type       TR         Heat from radiator       15.2 kW         Heat from exhaust       12.6 kW         Heat from radiation       2.9 kW         Exhaust temperature       490 °C         Portata Raffreddamento       60.0 m³/min         Combustion air flow       2.0 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.)	6.4	l/h
Fuel Cons. at 50% (P.R.P.)  Fuel Cons. at 25% (P.R.P.)  Electronic regulator  Precision class  Oil quantity  Engine Antifreeze capacity  Radiator type  TR  Heat from radiator  Heat from exhaust  Heat from radiation  Exhaust temperature  Precision class  Oil quantity  10.6    Engine Antifreeze capacity  3.6    Radiator type  TR  Heat from radiator  15.2 kW  Heat from exhaust  12.6 kW  Exhaust from radiation  2.9 kW  Exhaust temperature  490 °C  Portata Raffreddamento  60.0 m³/min  Combustion air flow  2.0 m³/min  Exhaust gas flow  3.6 m³/min  TA Luft  N  TA Luft  N  EPA	Fuel Cons. at 100% (P.R.P)	5.6	l/h
Fuel Cons. at 25% (P.R.P.)  Electronic regulator  Precision class  Oil quantity  Engine Antifreeze capacity  Radiator type  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  Not available  Not available	Fuel Cons. at 75% (P.R.P.)	4.0	l/h
Electronic regulator  Precision class  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  TA Luft/2  EPA  No  10.6 I  10.6 I  8  8  8  10.6 I  8  8  8  8  8  8  8  10.6 I  8  8  8  8  8  8  8  8  8  8  8  8  8	Fuel Cons. at 50% (P.R.P.)	2.2	l/h
Precision class  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  I Disciple The particular of the	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  IN  IRA  IRA  ID.6  I  A.6  I  A.6  I  A.7  A.7	Electronic regulator	Not available	
Engine Antifreeze capacity  Radiator type  TR  Heat from radiator  Heat from exhaust  12.6 kW  Heat from radiation  2.9 kW  Exhaust temperature  490 °C  Portata Raffreddamento  Combustion air flow  2.0 m³/min  Exhaust gas flow  TA Luft  TA Luft/2  EPA  N	Precision class		
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  TB  TA  W  TA  TR  TB  TA  TB  TA  TB  TB  TA  TA  TA  TA	Oil quantity	10.6	1
Heat from radiator  Heat from exhaust  Heat from exhaust  Heat from radiation  2.9 kW  Exhaust temperature  490 °C  Portata Raffreddamento  Combustion air flow  Exhaust gas flow  TA Luft  TA Luft/2  EPA  15.2 kW  490 °C  2.0 m³/min  3/min  3.6 m³/min	Engine Antifreeze capacity	3.6	I
Heat from exhaust 12.6 kW  Heat from radiation 2.9 kW  Exhaust temperature 490 °C  Portata Raffreddamento 60.0 m³/min  Combustion air flow 2.0 m³/min  Exhaust gas flow 3.6 m³/min  TA Luft N  TA Luft/2 N  EPA N	Radiator type	TR	
Heat from radiation 2.9 kW  Exhaust temperature 490 °C  Portata Raffreddamento 60.0 m³/min  Combustion air flow 2.0 m³/min  Exhaust gas flow 3.6 m³/min  TA Luft N  TA Luft/2 N  EPA N	Heat from radiator	15.2	kW
Exhaust temperature 490 °C  Portata Raffreddamento 60.0 m³/min  Combustion air flow 2.0 m³/min  Exhaust gas flow 3.6 m³/min  TA Luft N  TA Luft/2 N  EPA N	Heat from exhaust	12.6	kW
Portata Raffreddamento 60.0 m³/min  Combustion air flow 2.0 m³/min  Exhaust gas flow 3.6 m³/min  TA Luft N  TA Luft/2 N  EPA N	Heat from radiation	2.9	kW
Combustion air flow 2.0 m³/min  Exhaust gas flow 3.6 m³/min  TA Luft N  TA Luft/2 N  EPA N	Exhaust temperature	490	°C
Exhaust gas flow 3.6 m³/min  TA Luft N  TA Luft/2 N  EPA N	Portata Raffreddamento	60.0	m³/min
TA Luft N TA Luft/2 N EPA N	Combustion air flow	2.0	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 5	EPA	N	
5	Stage	5	

MAIN DATA	
Continuous power (PRP)	<b>18.30</b> kVA
Continuous power (PRP)	<b>14.64</b> kW
Stand-by power (LTP)	<b>20.10</b> kVA
Stand-by power (LTP)	<b>16.08</b> kW
VAC - HZ - cos(fi)	380 - 50 - 0.8
Sound pressure 7 m.	<b>65</b> 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	18.3	kVA
L.T.P. Power	20.1	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 1

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.