

FOX - D 21 FOX



For illustrative purposes only

Strong points

- 1- Industrial diesel engine in genset version with certificate of origin
 - 2- Industrial brushless alternator with AVR
 - 3- Steel baseframe with retention basin, fuel tank with level sensor
 - 4- Soundproof canopy in galvanised, 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**

Performance		
Continuous power (PRP)	20.0	(kVA)
Continuous power (PRP)	16.0	(kW)
Stand-by power (LTP)	21.3	(kVA)
Stand-by power (LTP)	17.0	(kW)
Power factor	0.8	

Voltage

Frequency (Hz)	50	Hz
Voltage (V)	415	V

Dimensions and noise level

Width	945	mm
Length	2030	mm
Height	1340	mm
Weight	830	kg
Sound pressure 7 m.	65.0	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 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.

Engine	
Engine brand	DEUTZ
Engine model	F3M2011
Cylinders	3 nr.
Speed	1500 r.p.m.
Cubic capacity	2.33 l
Air intake	Aspirated
Standard voltage	12 Vdc
Optional voltage	24 Vdc
Sae	3-11½
BMEP	690 kPa
Cooling	Oil

Engine power

Flywheel P.R.P. Power	19.4 kW
Flywheel Stand-by Power	20.4 kW

Fuel consumption

Fuel Cons. at 100% (L.T.P.)	5.6 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.)	3.1 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	8.5 l
Engine Antifreeze capacity	0.0 l
Radiator standard	ROA

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.



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Heat from engine

Heat from radiator	11.3 kW
Heat from exhaust	18.1 kW
Heat from radiation	0.0 kW

Exhaust data

Exhaust temperature	540 °C
Cooling air flow	30.00 m ³ /min
Combustion air flow	0.00 m ³ /min
Exhaust gas flow	4.16 m ³ /min

Emissions

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

Alternator

Alternator brand	STAMFORD
Alternator model	PI144D
P.R.P. Power	20.0 kVA
L.T.P. Power	22.0 kVA

Alternator wirings

Connection	Series star
Phases	Trifase + Neutro
Winding	12 terminals Winding 311
Terminal Number	12 nr.

Alternator protection

IP Protection	23
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Voltage regulator

Electronic regulator	AS480
Precision	1.0 ± %

Baseframe

Model	FOX
Standard tank	90 l
Optional tank	0 l
Oversized tank*	l

Canopy & Silencer

Canopy model	FOX
Silencer model	F50/03
Silencer outlet diameter	50.0 mm

Available control panels



The **GUARD EVOLUTION** device, in MANUAL or AUTOMATIC version, is designed and manufactured by Visa S.p.A. for the command, control and protection of the generating set. Main characteristics are: clear communication via a large backlit display screen; generating set event analysis through sophisticated algorithms; complete engine and electrical parameters; possibility of integrating additional modules and programme extensions; customisation for dealers (optional).

Optional control panels



ATS is a new line of changeover switch panels developed and manufactured by Visa S.p.A. in accordance with CEI EN 61439-2 (construction standard). Specifically used for generating sets, the changeover switch panel allows the changeover between mains/genset or genset/genset. The main part of the panel contains two interlocking contactors or a motorised circuit breaker. All of the parts are installed inside a sturdy powder-coated metal box (RAL7035) and equipped with a lock to close the access door.

Options

Each genset model has a wide range of accessories and customised equipment choices; standard equipment and optional accessories are described in the technical data sheet. Contact our sales office for further information and details.

