GALAXY - P 103 GX VM

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)	**100.0**	(kVA)
Continuous power (PRP)	**80.0**	(kW)
Stand-by power (LTP)	**110.0**	(kVA)
Stand-by power (LTP)	**88.0**	(kW)
Power factor	**0.8**	

Voltage

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

Dimensions and noise level

Width	1090	mm
Length	2860	mm
Height	1780	mm
Weight	N.D.	kg
Sound pressure 7 m.	N.D.	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 0.850 gr/lt. 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	PERKINS	
Engine model	1104D-E44TAG2	
Cylinders	4	nr.
Speed	1500	r.p.m.
Cubic capacity	4.40	l
Air intake	Turbocharged	
Standard voltage	12	Vdc
Optional voltage		Vdc
Sae	3-11½	
BMEP	1919	kPa
Cooling	Water	

Engine power

Flywheel P.R.P. Power	95.5	kW
Flywheel Stand-by Power	105.0	kW

Fuel consumption

Fuel Cons. at 100% (L.T.P.)	26.5	l/h
Fuel Cons. at 100% (P.R.P)	24.5	l/h
Fuel Cons. at 75% (P.R.P.)	19.8	l/h
Fuel Cons. at 50% (P.R.P.)	13.2	l/h
Fuel Cons. at 25% (P.R.P.)	N.D.	l/h

Speed regulation

Electronic regulator	Standard
Precision class	G2

Engine dimensions and liquids

Oil quantity	8.0	l
Engine Antifreeze capacity	7.0	l
Radiator standard	N.D.	

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Heat from engine

Heat from radiator	63.1	kW
Heat from exhaust	75.0	kW
Heat from radiation	18.4	kW

Exhaust data

Exhaust temperature	506	°C
Cooling air flow	151.8	m³/min
Combustion air flow	6.55	m³/min
Exhaust gas flow	16.54	m³/min

Emissions

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

Alternator

Alternator brand	STAMFORD	
Alternator model	UCI274C	
P.R.P. Power	100.0	kVA
L.T.P. Power	110.0	kVA

Alternator wirings

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

Alternator protection

IP Protection	23

Voltage regulator

Electronic regulator	SX460	
Precision	1.5	± %

Baseframe

Model	GV085	
Capacity	480	l

Canopy & Silencer

Canopy model	GV085
Silencer model	N.D.
Silencer outlet diameter	N.D.

Available control panels

Guard Touch MANUAL OR AUTOMATIC is the new revolutionary controller with touch screen, researched and developed by Visa S.p.A., which will be standard supply on our gensets. From a technical and operational viewpoint, the new device is different from its predecessors, but still maintains Visa's main characteristic: MODULARITY! Guard Touch is a versatile controller able to satisfy the myriad of requests from the end-user. From manual to automatic (AMF), up to complete synchronisation in parallel.

Optional control panels

The NEW ONIS VISA In Sync NT BB panel is based on the ComAp 'New Technology' family which is a comprehensive range of configurable Gen-set controllers suitable for managing simple, everyday or even the most complex CHP application. In addition, In Sync NT BB panel now feature one piece of software making it universally compatible with most of the leading manufacturers of electronic engines. With increased memory, more features and greater processing speed, this 'New Technology' control product have built an enviable reputation for effective system integration, simpler monitoring and more user-friendly remote supervising and servicing.

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.