GALAXY - P 300 GX

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)	**300.0**	(kVA)
Continuous power (PRP)	**240.0**	(kW)
Stand-by power (LTP)	**330.0**	(kVA)
Stand-by power (LTP)	**264.0**	(kW)
Power factor	**0.8**	

Voltage

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

Dimensions and noise level

Width	1300	mm
Length	4000	mm
Height	2564	mm
Weight	4640	kg
Sound pressure 7 m.	72.0	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	PERKINS	
Engine model	2206C-E13TAG2	
Cylinders	6	nr.
Speed	1500	r.p.m.
Cubic capacity	12.50	l
Air intake	Turbocharged	
Standard voltage	24	Vdc
Optional voltage		Vdc
Sae	1-14	
BMEP	2061	kPa
Cooling	Water	

Engine power

Flywheel P.R.P. Power	319.3	kW
Flywheel Stand-by Power	362.9	kW

Fuel consumption

Fuel Cons. at 100% (L.T.P.)	84.0	l/h
Fuel Cons. at 100% (P.R.P)	75.0	l/h
Fuel Cons. at 75% (P.R.P.)	58.0	l/h
Fuel Cons. at 50% (P.R.P.)	40.0	l/h
Fuel Cons. at 25% (P.R.P.)	0.0	l/h

Speed regulation

Electronic regulator	Standard
Precision class	G2

Engine dimensions and liquids

Oil quantity	40.0	l
Engine Antifreeze capacity	51.4	l
Radiator standard	IM50	

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Heat from engine

Heat from radiator	118.4	kW
Heat from exhaust	251.8	kW
Heat from radiation	33.9	kW

Exhaust data

Exhaust temperature	630	°C
Cooling air flow	563.00	m³/min
Combustion air flow	25.20	m³/min
Exhaust gas flow	67.30	m³/min

Emissions

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

Alternator

Alternator brand	STAMFORD	
Alternator model	HCI4D	
P.R.P. Power	300.0	kVA
L.T.P. Power	330.0	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	SX440	
Precision	1.0	± %

Baseframe

Model	GV150/05	
Standard tank	120	l
Optional tank	400	l
Oversized tank*	800	l

Canopy & Silencer

Canopy model	GV150	
Silencer model	MSR/a 125	
Silencer outlet diameter	140.0	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

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 function to totally automatic management.

The **In-Sync** device is equipped in the Visa generating sets needed to operate the most complex systems. In Sync is the best solution available in the market as it offers the most varied configuration and management options. There are two main configurations: PGE & PRE (parallel between gensets and parallel with the mains); these functions are available in a single device and differentiated through programming and possible implementation. The reliability and very high degree of customisation makes Visa gensets equipped with the In-Sync device very versatile and capable of satisfying the most complex requirements. In Sync allows the customer to build multiple generating set Power Stations providing fuel economy while maintaining maximum safety and extending the life of the system.

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.