GALAXY - JD 83 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)	**81.0**	(kVA)
Continuous power (PRP)	**64.8**	(kW)
Stand-by power (LTP)	**89.0**	(kVA)
Stand-by power (LTP)	**71.2**	(kW)
Power factor	**0.8**	

Voltage

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

Dimensions and noise level

Width	N/D	mm
Length	N/D	mm
Height	N/D	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	JOHN DEERE	
Engine model	4045HFU82-83	
Cylinders	4	nr.
Speed	1500	r.p.m.
Cubic capacity	4.500	cm³
Air intake	Turbocharged	
Standard voltage	12	Vdc
Optional voltage		Vdc
Sae	3-11½	
BMEP	1343	kPa
Cooling	Water	

Engine power

Flywheel P.R.P. Power	75.0	kW
Flywheel Stand-by Power	83.0	kW

Fuel consumption

Fuel Cons. at 100% (L.T.P.)	20.0	l/h
Fuel Cons. at 100% (P.R.P)	20.1	l/h
Fuel Cons. at 75% (P.R.P.)	0.0	l/h
Fuel Cons. at 50% (P.R.P.)	0.0	l/h
Fuel Cons. at 25% (P.R.P.)	0.0	l/h

Speed regulation

Electronic regulator	Standard
Precision class	G3

Engine dimensions and liquids

Oil quantity	14.7	l
Antifreeze quantity	8.5	l
Radiator standard	IM50	

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Heat from engine

Heat from radiator	0.0	kW
Heat from exhaust	0.0	kW
Heat from radiation	8.0	kW

Exhaust data

Exhaust temperature	507	°C
Cooling air flow	0.00	m³/min
Combustion air flow	6.10	m³/min
Exhaust gas flow	15.20	m³/min

Emissions

TA Luft	Not available
TA Luft/2	Not available
EPA	Not available
Stage	Stage 3

Alternator

Alternator brand	STAMFORD	
Alternator model	UCI224G	
PRP Power	85.0	kVA
LTP Power	90.8	kVA

Alternator wirings

Connection	Series star
Phases	Three phases with neutral
Winding	12 terminals Winding 311
Terminal Number	12 nr.

Alternator protection

IP Protection	23

Voltage regulator

Electronic regulator	SX460	
Precision	1.5	± %

Baseframe

Model	GV105	
Capacity	500	l

Canopy & Silencer

Canopy model	GV105	
Silencer model	----	
Silencer outlet diameter	0.0	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 to automatic (AMF), up to complete synchronisation in parallel.

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.

ATS is a new line of changeover switch panels developed and manufactured by Visa S.P.A. in accordance with CEI standard 17-13/1 EN 60439-1 (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.

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