GALAXY - DS 635 GX

GALAXY “GX”

For illustrative purposes only

ENGINE

Engine brand	DOOSAN	
Engine model	DP180LBF	
Cylinders	10	
Speed	1500	r.p.m.
Cubic capacity	18.27	l
Air intake	Turbocharged	
Standard voltage	24	Vdc
Optional voltage		Vdc
Sae	1-14	
BMEP	2440	kPa
Cooling	Water	
Flywheel P.R.P. Power	540.0	kW
Flywheel Stand-by Power	596.0	kW
Fuel Cons. at 100% (L.T.P.)	149.5	l/h
Fuel Cons. at 100% (P.R.P)	136.4	l/h
Fuel Cons. at 75% (P.R.P.)	103.8	l/h
Fuel Cons. at 50% (P.R.P.)	71.2	l/h
Fuel Cons. at 25% (P.R.P.)	38.6	l/h
Electronic regulator	Standard	
Precision class	G3	
Oil quantity	36.0	l
Engine Antifreeze capacity	21.0	l
Radiator standard	TE_SM	
Heat from radiator	405.0	kW
Heat from exhaust	561.0	kW
Heat from radiation	57.0	kW
Exhaust temperature	587	°C
Cooling air flow	700.00	m³/min
Combustion air flow	36.00	m³/min
Exhaust gas flow	118.00	m³/min
TA Luft	Not available	
TA Luft/2	Not available	
EPA	Not available	
Stage	Not available	

MAIN DATA

Continuous power (PRP)	640.0	(kVA)
Continuous power (PRP)	512.0	(kW)
Stand-by power (LTP)	708.0	(kVA)
Stand-by power (LTP)	566.4	(kW)
Voltage • Frequency • Power Factor	**400V •50Hz • 0.8 cosφ**	
Sound pressure 7 m.	75.0	dBA

DIMENSIONS AND WEIGHT

Width	1840	mm
Length	4500	mm
Height	2540	mm
Weight	6300	kg

ALTERNATOR

Alternator brand	STAMFORD	
Alternator model	HCI5F	
P.R.P. Power	670.0	kVA
L.T.P. Power	738.0	kVA
Connection	Series star	
Phases	3PH+N	
Winding	12 terminals Winding 311	
Terminal Number	12	nr.
IP Protection	23	
Electronic regulator	AS440	
Precision	1.0	± %

BASEFRAME

Model	GV200	
Standard tank	950	l
Optional tank	120	l
Oversized tank*	0	l

CANOPY & SILENCER

Canopy model	GV200	
Silencer model	MSR/a 150	
Silencer outlet diameter	168.0	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.