

## **DS 505 GX**





## **GALAXY "GX"**



For	illustra	tive	purposes	only

Description DOOSAN Engine model DP158LDF Cylinders 8 RPM speed 1800 Cubic capacity 14.62   Air intake Turbocharged Standard voltage 24 Vdc Optional voltage Vdc Sae 1-14 BMEP 2300 kPa Cooling Water Flywheel P.R.P. Power net 482.0 kW Flywheel Stand-by Power net 533.0 kW Fuel Cons. at 100% (L.T.P.) 0.0 l/h Fuel Cons. at 100% (P.R.P) 127.1 l/h Fuel Cons. at 75% (P.R.P.) 92.9 l/h Fuel Cons. at 50% (P.R.P.) 62.3 l/h Fuel Cons. at 55% (P.R.P.) 35.2 l/h Fuel Cons. at 50% (P.R.P.) 35.2 l/h Electronic regulator Standard Precision class G3 Oil quantity 24.0 l Engine Antifreeze capacity 59.0 l Radiator type TR Heat from radiator 328.0 kW Heat from radiator 50.0 kW Exhaust temperature 567 °C Portata Raffreddamento 850.0 m³/min Combustion air flow 36.6 m³/min Exhaust gas flow 108.0 m³/min TA Luft N TA Luft N Stage N	ENGINE		
Engine model         DP158LDF           Cylinders         8           RPM speed         1800           Cubic capacity         14.62           Air intake         Turbocharged           Standard voltage         24         Vdc           Optional voltage         Vdc           Sae         1-14         Part of the control of the c		DOOSAN	
Cylinders         8           RPM speed         1800           Cubic capacity         14.62           Air intake         Turbocharged           Standard voltage         24           Optional voltage         Vdc           Sae         1-14           BMEP         2300         kPa           Cooling         Water           Flywheel P.R.P. Power net         482.0         kW           Flywheel Stand-by Power net         533.0         kW           Fuel Cons. at 100% (L.T.P.)         0.0         l/h           Fuel Cons. at 100% (P.R.P)         127.1         l/h           Fuel Cons. at 55% (P.R.P.)         92.9         l/h           Fuel Cons. at 55% (P.R.P.)         35.2         l/h           Fuel Cons. at 25% (P.R.P.)         35.2         l/h			
RPM speed       1800         Cubic capacity       14.62       I         Air intake       Turbocharged         Standard voltage       24       Vdc         Optional voltage       Vdc         Sae       1-14       BMEP       2300       kPa         Cooling       Water       Flywheel P.R.P. Power net       482.0       kW         Flywheel Stand-by Power net       533.0       kW         Fuel Cons. at 100% (L.T.P.)       0.0       I/h         Fuel Cons. at 100% (P.R.P)       127.1       I/h         Fuel Cons. at 75% (P.R.P.)       92.9       I/h         Fuel Cons. at 25% (P.R.P.)       35.2       I/h	3		
Cubic capacity         14.62         I           Air intake         Turbocharged           Standard voltage         24         Vdc           Optional voltage         Vdc           Sae         1-14         BMEP         2300         kPa           Cooling         Water         Flywheel P.R.P. Power net         482.0         kW           Flywheel Stand-by Power net         533.0         kW           Fuel Cons. at 100% (L.T.P.)         0.0         I/h           Fuel Cons. at 100% (P.R.P.)         127.1         I/h           Fuel Cons. at 75% (P.R.P.)         92.9         I/h           Fuel Cons. at 50% (P.R.P.)         35.2         I/h           Fuel Cons. at 25% (P.R.P.)         35.2         I/h           Electronic regulator <td>,</td> <td></td> <td></td>	,		
Air intake         Turbocharged           Standard voltage         24 Vdc           Optional voltage         Vdc           Sae         1-14           BMEP         2300 kPa           Cooling         Water           Flywheel P.R.P. Power net         482.0 kW           Flywheel Stand-by Power net         533.0 kW           Fuel Cons. at 100% (L.T.P.)         0.0 l/h           Fuel Cons. at 100% (P.R.P)         127.1 l/h           Fuel Cons. at 75% (P.R.P.)         92.9 l/h           Fuel Cons. at 50% (P.R.P.)         62.3 l/h           Fuel Cons. at 25% (P.R.P.)         35.2 l/h           Fuel Cons. at 25% (P.R.P.)         35.2 l/h           Electronic regulator         Standard           Precision class         G3           Oil quantity         24.0 l           Engine Antifreeze capacity         59.0 l           Radiator type         TR           Heat from radiator         328.0 kW           Heat from exhaust         492.0 kW           Heat from radiation         50.0 kW           Exhaust temperature         567 °C           Portata Raffreddamento         850.0 m³/min           Exhaust gas flow         108.0 m³/min           TA Luft	•		ı
Standard voltage         24         Vdc           Optional voltage         Vdc           Sae         1-14         BMEP         2300         kPa           Cooling         Water         Flywheel P.R.P. Power net         482.0         kW           Flywheel Stand-by Power net         533.0         kW           Fuel Cons. at 100% (L.T.P.)         0.0         l/h           Fuel Cons. at 100% (P.R.P)         127.1         l/h           Fuel Cons. at 75% (P.R.P.)         92.9         l/h           Fuel Cons. at 50% (P.R.P.)         62.3         l/h           Fuel Cons. at 25% (P.R.P.)         35.2         l/h			1
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Sae       1-14         BMEP       2300       kPa         Cooling       Water         Flywheel P.R.P. Power net       482.0       kW         Flywheel Stand-by Power net       533.0       kW         Fuel Cons. at 100% (L.T.P.)       0.0       l/h         Fuel Cons. at 100% (P.R.P)       127.1       l/h         Fuel Cons. at 75% (P.R.P.)       92.9       l/h         Fuel Cons. at 50% (P.R.P.)       62.3       l/h         Fuel Cons. at 25% (P.R.P.)       35.2       l/h         Electronic regulator       Standard         Precision class       G3         Oil quantity       24.0       l         Engine Antifreeze capacity       59.0       l         Radiator type       TR       Heat from radiator       328.0       kW         Heat from radiator       328.0       kW         Heat from radiation       50.0       kW         Exhaust temperature       567 °C         Portata Raffreddamento       850.0       m³/min         Combustion air flow       36.6       m³/min         Exhaust gas flow       108.0       m³/min         TA Luft/2       N         EPA       N	3	24	
BMEP       2300       kPa         Cooling       Water         Flywheel P.R.P. Power net       482.0       kW         Flywheel Stand-by Power net       533.0       kW         Fuel Cons. at 100% (L.T.P.)       0.0       l/h         Fuel Cons. at 100% (P.R.P)       127.1       l/h         Fuel Cons. at 75% (P.R.P.)       92.9       l/h         Fuel Cons. at 50% (P.R.P.)       62.3       l/h         Fuel Cons. at 25% (P.R.P.)       35.2       l/h         Fuel Cons. at 25% (P.R.P.)       1       l/h		1 14	vuc
Cooling         Water           Flywheel P.R.P. Power net         482.0 kW           Flywheel Stand-by Power net         533.0 kW           Fuel Cons. at 100% (L.T.P.)         0.0 l/h           Fuel Cons. at 100% (P.R.P)         127.1 l/h           Fuel Cons. at 75% (P.R.P.)         92.9 l/h           Fuel Cons. at 50% (P.R.P.)         62.3 l/h           Fuel Cons. at 25% (P.R.P.)         35.2 l/h           Electronic regulator         Standard           Precision class         G3           Oil quantity         24.0 l           Engine Antifreeze capacity         59.0 l           Radiator type         TR           Heat from radiator         328.0 kW           Heat from exhaust         492.0 kW           Heat from radiation         50.0 kW           Exhaust temperature         567 °C           Portata Raffreddamento         850.0 m³/min           Combustion air flow         36.6 m³/min           Exhaust gas flow         108.0 m³/min           TA Luft         N           EPA         N			I-D-
Flywheel P.R.P. Power net  Flywheel Stand-by Power net  Fuel Cons. at 100% (L.T.P.)  Fuel Cons. at 100% (P.R.P)  Fuel Cons. at 75% (P.R.P.)  Fuel Cons. at 50% (P.R.P.)  Fuel Cons. at 55% (P.R.P.)  Fuel Cons. at 25% (P.R.P.)  Fuel Cons. at 75% (P.R.P.)  Fuel Cons. at 100% (P.R.P.)  Fuel Cons. at 200% (P.R.P.)  Fuel Cons. at 100% (P.R.P.)  Fuel Cons. at			кРа
Flywheel Stand-by Power net 533.0 kW  Fuel Cons. at 100% (L.T.P.) 0.0 l/h  Fuel Cons. at 100% (P.R.P) 127.1 l/h  Fuel Cons. at 75% (P.R.P.) 92.9 l/h  Fuel Cons. at 50% (P.R.P.) 62.3 l/h  Fuel Cons. at 25% (P.R.P.) 35.2 l/h  Fuel Cons. at 25% (P.R.P.) 35.2 l/h  Electronic regulator Standard  Precision class G3  Oil quantity 24.0 l  Engine Antifreeze capacity 59.0 l  Radiator type TR  Heat from radiator 328.0 kW  Heat from exhaust 492.0 kW  Heat from radiation 50.0 kW  Exhaust temperature 567 °C  Portata Raffreddamento 850.0 m³/min  Combustion air flow 36.6 m³/min  Exhaust gas flow 108.0 m³/min  TA Luft N  TA Luft/2 N  EPA	3		
Fuel Cons. at 100% (L.T.P.)       0.0 l/h         Fuel Cons. at 100% (P.R.P)       127.1 l/h         Fuel Cons. at 75% (P.R.P.)       92.9 l/h         Fuel Cons. at 50% (P.R.P.)       62.3 l/h         Fuel Cons. at 25% (P.R.P.)       35.2 l/h         Electronic regulator       Standard         Precision class       G3         Oil quantity       24.0 l         Engine Antifreeze capacity       59.0 l         Radiator type       TR         Heat from radiator       328.0 kW         Heat from exhaust       492.0 kW         Heat from radiation       50.0 kW         Exhaust temperature       567 °C         Portata Raffreddamento       850.0 m³/min         Combustion air flow       36.6 m³/min         Exhaust gas flow       108.0 m³/min         TA Luft       N         TA Luft/2       N         EPA       N	•		
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Electronic regulator  Precision class  Oil quantity  Engine Antifreeze capacity  Radiator type  TR  Heat from radiator  Heat from exhaust  Heat from radiation  Exhaust temperature  Portata Raffreddamento  Combustion air flow  Exhaust gas flow  TA Luft  TA Luft/2  Precision class  G3  KW  HW  HW  HW  HW  HW  HW  HW  HW  HW	Fuel Cons. at 50% (P.R.P.)	62.3	l/h
Precision class  Oil quantity  Engine Antifreeze capacity  Radiator type  TR  Heat from radiator  Heat from exhaust  Heat from radiation  Exhaust temperature  Portata Raffreddamento  Combustion air flow  Exhaust gas flow  TA Luft  TA Luft/2  EPA  O  I  G  G  G  G  G  G  G  G  F  G  G  R  G  G  G  G  G  G  G  G  G  G	Fuel Cons. at 25% (P.R.P.)	35.2	l/h
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Engine Antifreeze capacity  Radiator type  TR  Heat from radiator  Heat from exhaust  Heat from radiation  Exhaust temperature  Portata Raffreddamento  Combustion air flow  Exhaust gas flow  TA Luft  TA Luft/2  EPA  Separation  108.0  TR  HW  HW  HW  HW  HEAT From radiation  50.0  HW  EXHAUST TR  FR  TA Luft/2  EPA  TA Luft/2	Precision class	G3	
Radiator type TR Heat from radiator 328.0 kW Heat from exhaust 492.0 kW Heat from radiation 50.0 kW Exhaust temperature 567 °C Portata Raffreddamento 850.0 m³/min Combustion air flow 36.6 m³/min Exhaust gas flow 108.0 m³/min TA Luft N TA Luft/2 N EPA N	Oil quantity	24.0	I
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Heat from radiation 50.0 kW  Exhaust temperature 567 °C  Portata Raffreddamento 850.0 m³/min  Combustion air flow 36.6 m³/min  Exhaust gas flow 108.0 m³/min  TA Luft N  TA Luft/2 N  EPA N	Heat from radiator	328.0	kW
Exhaust temperature 567 °C  Portata Raffreddamento 850.0 m³/min  Combustion air flow 36.6 m³/min  Exhaust gas flow 108.0 m³/min  TA Luft N  TA Luft/2 N  EPA N	Heat from exhaust	492.0	kW
Portata Raffreddamento 850.0 m³/min Combustion air flow 36.6 m³/min Exhaust gas flow 108.0 m³/min TA Luft N TA Luft/2 N EPA N	Heat from radiation	50.0	kW
Combustion air flow 36.6 m³/min Exhaust gas flow 108.0 m³/min TA Luft N TA Luft/2 N EPA N	Exhaust temperature	567	°C
Exhaust gas flow         108.0         m³/min           TA Luft         N           TA Luft/2         N           EPA         N	Portata Raffreddamento	850.0	m³/min
TA Luft N TA Luft/2 N EPA N	Combustion air flow	36.6	m³/min
TA Luft/2 N EPA N	Exhaust gas flow	108.0	m³/min
EPA N	TA Luft	N	
	TA Luft/2	N	
Stage N	EPA	N	
	Stage	N	

MAIN DATA	
Continuous power (PRP)	<b>565.00</b> kVA
Continuous power (PRP)	<b>452.00</b> kW
Stand-by power (LTP)	<b>620.00</b> kVA
Stand-by power (LTP)	<b>496.00</b> kW
VAC - HZ - cos(fi)	220 - 60 - 0.8

DIMENSIONS AND WEIGHT		
Width	1860	mm
Length	5020	mm
Height	2570	mm
Weight	5070	kg

ALTERNATOR	
Description	STAMFORD
Alternator model	HCI5E
P.R.P. Power	713 kVA
L.T.P. Power	769 kVA
Connection	Parallel star
Phases	3FN
Winding	311
Terminal Number	12 nr.
IP Protection	23
Electronic regulator	AS440
Precision	1 ± %

BASEFRAME	
Model	GV201
Standard tank	950 I
Optional tank	120 I
Oversized tank*	0

CANOPY & SILENCER		
Canopy model	GV201	
Silencer model	MS 30	
Silencer outlet diameter	140	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.

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.