## **TECHNICAL DATASHEET V 350 GX**



## V 350 GX





## **GALAXY "GX"**



For	illustr	ative	purposes	only

ENGINE         VOLVO-PENTA           Engine model         TAD1342GE           Cylinders         6           RPM speed         1800           Cubic capacity         12.78           Air intake         Turbocharged           Standard voltage         24         Vdc           Optional voltage         Vdc           Sae         1-14         Mare           BMEP         1900         kPa           Cooling         Water         Flywheel P.R.P. Power net         345.0         kW           Flywheel E.P. Power net         377.0         kW         kW           Fluel Cons. at 100% (E.P.)         90.2         I/h           Fuel Cons. at 100% (P.R.P)         82.6         I/h           Fuel Cons. at 55% (P.R.P.)         42.5         I/h           Fuel Cons. at 25% (P.R.P.)         42.5         I/h           Fuel Cons. at 25% (P.R.P.)         36.0         I           Electronic regulator         Standard           Precision class         G3         G3           Oil quantity         36.0         I           Engine Antifreeze capacity         0.0         I           Radiator type         TR         Heat from radiation	ENGINE		
Engine model TAD1342GE Cylinders 6 RPM speed 1800 Cubic capacity 12.78   Air intake Turbocharged Standard voltage 24 Vdc Optional voltage Vdc Sae 1-14 BMEP 1900 kPa Cooling Water Flywheel P.R.P. Power net 345.0 kW Flywheel E.P. Power net 377.0 kW Fuel Cons. at 100% (P.R.P) 90.2 l/h Fuel Cons. at 100% (P.R.P) 82.6 l/h Fuel Cons. at 55% (P.R.P.) 61.6 l/h Fuel Cons. at 25% (P.R.P.) 24.3 l/h Electronic regulator Standard Precision class G3 Oil quantity 36.0 l Engine Antifreeze capacity 0.0 l Engine Antifreeze capacity 159.0 kW Heat from radiator 159.0 kW Heat from radiator 159.0 kW Heat from radiator 159.0 kW Exhaust temperature 432 °C Portata Raffreddamento 0.0 m³/min Combustion air flow 28.7 m³/min Exhaust gas flow 0.0 m³/min TA Luft N TA Luft/2 N EPA		VOLVO PENTA	
Cylinders         6           RPM speed         1800           Cubic capacity         12.78           Air intake         Turbocharged           Standard voltage         24         Vdc           Optional voltage         Vdc           Sae         1-14         BMEP         1900         kPa           Cooling         Water         Water         Flywheel P.R.P. Power net         345.0         kW           Flywheel E.P. Power net         377.0         kW         Fuel Cons. at 100% (E.P.)         90.2         l/h           Fuel Cons. at 100% (P.R.P)         82.6         l/h         l/h         Fuel Cons. at 55% (P.R.P.)         42.5         l/h         I/h         Fuel Cons. at 25% (P.R.P.)         42.5         l/h         I/h         Fuel Cons. at 25% (P.R.P.)         42.5         l/h         I/h         Fuel Cons. at 25% (P.R.P.)         24.3         l/h         I/h         Fuel Cons. at 25% (P.R.P.)         24.3         l/h         I/h         Fuel Cons. at 25% (P.R.P.)         42.5         l/h         I/h         I/h         Fuel Cons. at 25% (P.R.P.)         42.5         l/h         I/h         I/h </td <td>·</td> <td></td> <td></td>	·		
RPM speed         1800           Cubic capacity         12.78         I           Air intake         Turbocharged         Vdc           Standard voltage         24         Vdc           Optional voltage         Vdc         Vdc           Sae         1-14         BMEP         1900         kPa           Cooling         Water         Flywheel P.R.P. Power net         345.0         kW           Flywheel E.P. Power net         377.0         kW           Fuel Cons. at 100% (E.P.)         90.2         l/h           Fuel Cons. at 100% (P.R.P)         82.6         l/h           Fuel Cons. at 55% (P.R.P.)         61.6         l/h           Fuel Cons. at 25% (P.R.P.)         24.3         l/h           Electronic regulator         Standard         Precision class         G3         O         I           Oil quantity         36.0         I         I         Engine Antifreeze capacity         0.0         I         R           Radiator type         TR         Heat from radiator         159.0         kW         Exhaust temperature         432         °C           Portata Raffreddamento         0.0         m³/min         Exhaust gas flow         0.0         m³/min			
Cubic capacity         12.78         I           Air intake         Turbocharged         Standard voltage         Vdc           Standard voltage         Vdc         Vdc           Sae         1-14         KPa           BMEP         1900         kPa           Cooling         Water         Flywheel P.R.P. Power net         345.0         kW           Flywheel E.P. Power net         377.0         kW           Fuel Cons. at 100% (E.P.)         90.2         I/h           Fuel Cons. at 100% (P.R.P)         82.6         I/h           Fuel Cons. at 75% (P.R.P.)         61.6         I/h           Fuel Cons. at 50% (P.R.P.)         24.3         I/h           Fuel Cons. at 25% (P.R.P.)         24.3         I/h           Fuel Cons. at 50% (P.R.P.)         24.5         I/h           Fuel Cons. at 50% (P.R.P.)         24.5         I/h           Fuel Cons	•	_	
Air intake       Turbocharged         Standard voltage       24 Vdc         Optional voltage       Vdc         Sae       1-14         BMEP       1900 kPa         Cooling       Water         Flywheel P.R.P. Power net       345.0 kW         Flywheel E.P. Power net       377.0 kW         Fuel Cons. at 100% (E.P.)       90.2 l/h         Fuel Cons. at 100% (P.R.P)       82.6 l/h         Fuel Cons. at 55% (P.R.P.)       61.6 l/h         Fuel Cons. at 50% (P.R.P.)       42.5 l/h         Fuel Cons. at 25% (P.R.P.)       24.3 l/h         Electronic regulator       Standard         Precision class       G3         Oil quantity       36.0 l         Engine Antifreeze capacity       0.0 l         Radiator type       TR         Heat from radiator       159.0 kW         Heat from radiation       0.0 kW         Exhaust temperature       432 °C         Portata Raffreddamento       0.0 m³/min         Combustion air flow       28.7 m³/min         Exhaust gas flow       0.0 m³/min         TA Luft/2       N         EPA       N	RPM speed	1800	
Standard voltage         24         Vdc           Optional voltage         Vdc           Sae         1-14         Part of the standard	Cubic capacity	12.78	I
Optional voltage         Vdc           Sae         1-14           BMEP         1900         kPa           Cooling         Water           Flywheel P.R.P. Power net         345.0         kW           Flywheel E.P. Power net         377.0         kW           Fuel Cons. at 100% (E.P.)         90.2         I/h           Fuel Cons. at 100% (P.R.P)         82.6         I/h           Fuel Cons. at 75% (P.R.P.)         61.6         I/h           Fuel Cons. at 50% (P.R.P.)         42.5         I/h           Fuel Cons. at 25% (P.R.P.)         24.3         I/h           Electronic regulator         Standard           Precision class         G3         Oil quantity         36.0         I           Engine Antifreeze capacity         0.0         I         Red from radiator         159.0         kW           Heat from radiation         159.0         kW         Red from radiation         0.0         kW           Heat from radiation         0.0         kW         Red from radiation         0.0         kW           Exhaust temperature         432         °C         Portata Raffreddamento         0.0         m³/min           Combustion air flow         28.7         m	Air intake	Turbocharged	
Sae       1-14         BMEP       1900 kPa         Cooling       Water         Flywheel P.R.P. Power net       345.0 kW         Flywheel E.P. Power net       377.0 kW         Fuel Cons. at 100% (E.P.)       90.2 l/h         Fuel Cons. at 100% (P.R.P)       82.6 l/h         Fuel Cons. at 75% (P.R.P.)       61.6 l/h         Fuel Cons. at 50% (P.R.P.)       42.5 l/h         Fuel Cons. at 25% (P.R.P.)       24.3 l/h         Electronic regulator       Standard         Precision class       G3         Oil quantity       36.0 l         Engine Antifreeze capacity       0.0 l         Radiator type       TR         Heat from radiator       159.0 kW         Heat from exhaust       253.0 kW         Heat from radiation       0.0 kW         Exhaust temperature       432 °C         Portata Raffreddamento       0.0 m³/min         Combustion air flow       28.7 m³/min         Exhaust gas flow       0.0 m³/min         TA Luft       N         EPA       N	Standard voltage	24	Vdc
BMEP       1900       kPa         Cooling       Water         Flywheel P.R.P. Power net       345.0       kW         Flywheel E.P. Power net       377.0       kW         Fuel Cons. at 100% (E.P.)       90.2       l/h         Fuel Cons. at 100% (P.R.P)       82.6       l/h         Fuel Cons. at 75% (P.R.P.)       61.6       l/h         Fuel Cons. at 50% (P.R.P.)       42.5       l/h         Fuel Cons. at 25% (P.R.P.)       24.3       l/h         Electronic regulator       Standard         Precision class       G3         Oil quantity       36.0       I         Engine Antifreeze capacity       0.0       I         Radiator type       TR       TR         Heat from radiator       159.0       kW         Heat from exhaust       253.0       kW         Heat from radiation       0.0       kW         Exhaust temperature       432       °C         Portata Raffreddamento       0.0       m³/min         Exhaust gas flow       0.0       m³/min         Exhaust gas flow       0.0       m³/min         TA Luft/2       N         EPA       N	Optional voltage		Vdc
Cooling         Water           Flywheel P.R.P. Power net         345.0 kW           Flywheel E.P. Power net         377.0 kW           Fuel Cons. at 100% (E.P.)         90.2 l/h           Fuel Cons. at 100% (P.R.P)         82.6 l/h           Fuel Cons. at 75% (P.R.P.)         61.6 l/h           Fuel Cons. at 50% (P.R.P.)         42.5 l/h           Fuel Cons. at 25% (P.R.P.)         24.3 l/h           Electronic regulator         Standard           Precision class         G3           Oil quantity         36.0 l           Engine Antifreeze capacity         0.0 l           Radiator type         TR           Heat from radiator         159.0 kW           Heat from exhaust         253.0 kW           Heat from radiation         0.0 kW           Exhaust temperature         432 °C           Portata Raffreddamento         0.0 m³/min           Combustion air flow         28.7 m³/min           Exhaust gas flow         0.0 m³/min           TA Luft         N           EPA         N	Sae	1-14	
Flywheel P.R.P. Power net       345.0 kW         Flywheel E.P. Power net       377.0 kW         Fuel Cons. at 100% (E.P.)       90.2 l/h         Fuel Cons. at 100% (P.R.P)       82.6 l/h         Fuel Cons. at 75% (P.R.P.)       61.6 l/h         Fuel Cons. at 50% (P.R.P.)       42.5 l/h         Fuel Cons. at 25% (P.R.P.)       24.3 l/h         Electronic regulator       Standard         Precision class       G3         Oil quantity       36.0 l         Engine Antifreeze capacity       0.0 l         Radiator type       TR         Heat from radiator       159.0 kW         Heat from exhaust       253.0 kW         Heat from radiation       0.0 kW         Exhaust temperature       432 °C         Portata Raffreddamento       0.0 m³/min         Combustion air flow       28.7 m³/min         Exhaust gas flow       0.0 m³/min         TA Luft       N         TA Luft/2       N         EPA       N	BMEP	1900	kPa
Flywheel E.P. Power net       377.0 kW         Fuel Cons. at 100% (E.P.)       90.2 l/h         Fuel Cons. at 100% (P.R.P)       82.6 l/h         Fuel Cons. at 75% (P.R.P.)       61.6 l/h         Fuel Cons. at 50% (P.R.P.)       42.5 l/h         Fuel Cons. at 25% (P.R.P.)       24.3 l/h         Electronic regulator       Standard         Precision class       G3         Oil quantity       36.0 l         Engine Antifreeze capacity       0.0 l         Radiator type       TR         Heat from radiator       159.0 kW         Heat from exhaust       253.0 kW         Heat from radiation       0.0 kW         Exhaust temperature       432 °C         Portata Raffreddamento       0.0 m³/min         Combustion air flow       28.7 m³/min         Exhaust gas flow       0.0 m³/min         TA Luft       N         TA Luft/2       N         EPA       N	Cooling	Water	
Fuel Cons. at 100% (E.P.)       90.2 l/h         Fuel Cons. at 100% (P.R.P)       82.6 l/h         Fuel Cons. at 75% (P.R.P.)       61.6 l/h         Fuel Cons. at 50% (P.R.P.)       42.5 l/h         Fuel Cons. at 25% (P.R.P.)       24.3 l/h         Electronic regulator       Standard         Precision class       G3         Oil quantity       36.0 l         Engine Antifreeze capacity       0.0 l         Radiator type       TR         Heat from radiator       159.0 kW         Heat from exhaust       253.0 kW         Heat from radiation       0.0 kW         Exhaust temperature       432 °C         Portata Raffreddamento       0.0 m³/min         Combustion air flow       28.7 m³/min         Exhaust gas flow       0.0 m³/min         TA Luft       N         TA Luft/2       N         EPA       N	Flywheel P.R.P. Power net	345.0	kW
Fuel Cons. at 100% (P.R.P)       82.6 l/h         Fuel Cons. at 75% (P.R.P.)       61.6 l/h         Fuel Cons. at 50% (P.R.P.)       42.5 l/h         Fuel Cons. at 25% (P.R.P.)       24.3 l/h         Electronic regulator       Standard         Precision class       G3         Oil quantity       36.0 l         Engine Antifreeze capacity       0.0 l         Radiator type       TR         Heat from radiator       159.0 kW         Heat from exhaust       253.0 kW         Heat from radiation       0.0 kW         Exhaust temperature       432 °C         Portata Raffreddamento       0.0 m³/min         Combustion air flow       28.7 m³/min         Exhaust gas flow       0.0 m³/min         TA Luft       N         TA Luft/2       N         EPA       N	Flywheel E.P. Power net	377.0	kW
Fuel Cons. at 75% (P.R.P.)       61.6       I/h         Fuel Cons. at 50% (P.R.P.)       42.5       I/h         Fuel Cons. at 25% (P.R.P.)       24.3       I/h         Electronic regulator       Standard         Precision class       G3         Oil quantity       36.0       I         Engine Antifreeze capacity       0.0       I         Radiator type       TR       TR         Heat from radiator       159.0       kW         Heat from exhaust       253.0       kW         Heat from radiation       0.0       kW         Exhaust temperature       432       °C         Portata Raffreddamento       0.0       m³/min         Combustion air flow       28.7       m³/min         Exhaust gas flow       0.0       m³/min         TA Luft       N         TA Luft/2       N         EPA       N	Fuel Cons. at 100% (E.P.)	90.2	l/h
Fuel Cons. at 50% (P.R.P.)         42.5 l/h           Fuel Cons. at 25% (P.R.P.)         24.3 l/h           Electronic regulator         Standard           Precision class         G3           Oil quantity         36.0 l           Engine Antifreeze capacity         0.0 l           Radiator type         TR           Heat from radiator         159.0 kW           Heat from exhaust         253.0 kW           Heat from radiation         0.0 kW           Exhaust temperature         432 °C           Portata Raffreddamento         0.0 m³/min           Combustion air flow         28.7 m³/min           Exhaust gas flow         0.0 m³/min           TA Luft         N           TA Luft/2         N           EPA         N	Fuel Cons. at 100% (P.R.P)	82.6	l/h
Fuel Cons. at 25% (P.R.P.)         24.3 l/h           Electronic regulator         Standard           Precision class         G3           Oil quantity         36.0 l           Engine Antifreeze capacity         0.0 l           Radiator type         TR           Heat from radiator         159.0 kW           Heat from exhaust         253.0 kW           Heat from radiation         0.0 kW           Exhaust temperature         432 °C           Portata Raffreddamento         0.0 m³/min           Combustion air flow         28.7 m³/min           Exhaust gas flow         0.0 m³/min           TA Luft         N           TA Luft/2         N           EPA         N	Fuel Cons. at 75% (P.R.P.)	61.6	l/h
Electronic regulator  Precision class G3 Oil quantity 36.0 Engine Antifreeze capacity 0.0 Radiator type TR Heat from radiator Heat from exhaust Exhaust temperature Portata Raffreddamento Combustion air flow TA Luft TA Luft/2 EPA S G3 Standard Standard A3 N  Exhaust type TR  Heat from radiator 159.0 KW  EW  A32 CC  A32 CC  A33 Minin  A34 CC  A35 CC  A36 Minin  A37 Minin  A38 CO  A38 Minin  A38 CO  A38 Minin  A48 CO  A48	Fuel Cons. at 50% (P.R.P.)	42.5	l/h
Precision class  Oil quantity  36.0   Engine Antifreeze capacity  Radiator type  TR  Heat from radiator  Heat from exhaust  159.0 kW  Heat from radiation  0.0 kW  Exhaust temperature  432 °C  Portata Raffreddamento  0.0 m³/min  Combustion air flow  Exhaust gas flow  TA Luft  N  TA Luft/2  EPA  N  O  0  I  G  G  O  O  I  R  A  O  O  I  R  O  O  O  I  O  O  O  O  O  O  M³/min  O  O  M³/min  N  TA Luft  N  TA Luft  N  TA Luft/2  EPA  N	Fuel Cons. at 25% (P.R.P.)	24.3	l/h
Oil quantity         36.0 I           Engine Antifreeze capacity         0.0 I           Radiator type         TR           Heat from radiator         159.0 kW           Heat from exhaust         253.0 kW           Heat from radiation         0.0 kW           Exhaust temperature         432 °C           Portata Raffreddamento         0.0 m³/min           Combustion air flow         28.7 m³/min           Exhaust gas flow         0.0 m³/min           TA Luft         N           TA Luft/2         N           EPA         N	Electronic regulator	Standard	
Engine Antifreeze capacity  Radiator type  TR  Heat from radiator  Heat from exhaust  Exhaust temperature  Portata Raffreddamento  Combustion air flow  Exhaust gas flow  TA Luft  TA Luft/2  EPA  Do 1  TA Luft  TA Luft/2  Rediator type  TR  159.0  kW  Exh  432  °C  C  0.0  m³/min  28.7  m³/min  TA Luft  N  TA Luft/2  N  EPA	Precision class	G3	
Radiator type TR Heat from radiator 159.0 kW Heat from exhaust 253.0 kW Heat from radiation 0.0 kW Exhaust temperature 432 °C Portata Raffreddamento 0.0 m³/min Combustion air flow 28.7 m³/min Exhaust gas flow 0.0 m³/min TA Luft N TA Luft/2 N EPA N	Oil quantity	36.0	I
Heat from radiator 159.0 kW Heat from exhaust 253.0 kW Heat from radiation 0.0 kW Exhaust temperature 432 °C Portata Raffreddamento 0.0 m³/min Combustion air flow 28.7 m³/min Exhaust gas flow 0.0 m³/min TA Luft N TA Luft/2 N EPA N	Engine Antifreeze capacity	0.0	I
Heat from exhaust 253.0 kW  Heat from radiation 0.0 kW  Exhaust temperature 432 °C  Portata Raffreddamento 0.0 m³/min  Combustion air flow 28.7 m³/min  Exhaust gas flow 0.0 m³/min  TA Luft N  TA Luft/2 N  EPA N	Radiator type	TR	
Heat from radiation 0.0 kW  Exhaust temperature 432 °C  Portata Raffreddamento 0.0 m³/min  Combustion air flow 28.7 m³/min  Exhaust gas flow 0.0 m³/min  TA Luft N  TA Luft/2 N  EPA N	Heat from radiator	159.0	kW
Exhaust temperature 432 °C  Portata Raffreddamento 0.0 m³/min  Combustion air flow 28.7 m³/min  Exhaust gas flow 0.0 m³/min  TA Luft N  TA Luft/2 N  EPA N	Heat from exhaust	253.0	kW
Portata Raffreddamento 0.0 m³/min Combustion air flow 28.7 m³/min Exhaust gas flow 0.0 m³/min TA Luft N TA Luft/2 N EPA N	Heat from radiation	0.0	kW
Combustion air flow 28.7 m³/min Exhaust gas flow 0.0 m³/min TA Luft N TA Luft/2 N EPA N	Exhaust temperature	432	°C
Exhaust gas flow 0.0 m³/min TA Luft N TA Luft/2 N EPA N	Portata Raffreddamento	0.0	m³/min
TA Luft N TA Luft/2 N EPA N	Combustion air flow	28.7	m³/min
TA Luft/2 N EPA N	Exhaust gas flow	0.0	m³/min
EPA N	TA Luft	N	
	TA Luft/2	N	
Stage N	EPA	N	
	Stage	N	

MAIN DATA	
Continuous power (PRP)	<b>401.00</b> kVA
Continuous power (PRP)	<b>320.80</b> kW
Emergency power (E.P.)	438.00 kVA
Emergency power (E.P.)	350.40 kW
VAC - HZ - cos(fi)	460 - 60 - 0.8
Sound pressure 7 m.	<b>72.0</b> dBA

DIMENSIONS AND WEIGHT		
Width	1600	mm
Length	4310	mm
Height	2560	mm
Weight	4610	kg

ALTERNATOR		
Description	STAMFORD	
Alternator model	S4L1D-E	
P.R.P. Power	440.0	kVA
E.P. Power	475.0	kVA
Connection	Series star	
Phases	3FN	
Winding	311	
Terminal Number	12	nr.
IP Protection	23	
Electronic regulator	AS440	
Precision	1.0	± %

BASEFRAME	
Model	GV151/00/00
Standard tank	800 I
Optional tank	0 1
Oversized tank*	1800 I

CANOPY & SILENCER	
Canopy model	GV151
Silencer model	MSR/a 125
Silencer outlet diameter	140.0 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. E.P. - Emergency power: This is the maximum power that a generating set can deliver for a limited number of hours per year while complying with the maintenance frequency stipulated under the environmental conditions set by the Manufacturer. The number of hours per year is determined by the engine manufacturer. The average power output over time must be lower than the percentages set by the engine manufacturer. Overloading is not allowed.

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.