## **TECHNICAL DATASHEET V 380 GX**



# **V 380 GX**





## **GALAXY "GX"**



VOLVO-PENTA

ENGINE	
Description	

Engine model         TAD1343GE           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         353.0         kW           Flywheel E.P. Power net         388.0         kW           Fuel Cons. at 100% (E.P.)         92.8         l/h           Fuel Cons. at 50% (P.R.P.)         84.0         l/h           Fuel Cons. at 75% (P.R.P.)         43.0         l/h           Fuel Cons. at 25% (P.R.P.)         24.8         l/h           Fuel Cons. at 25% (P.R.P.)         24.8         l/h           Fuel Cons. at 25% (P.R.P.)         36.0         l/h           Fuel Cons. at 25% (P.R.P.)         36.0         l/h           Fuel Cons. at 25% (P.R.P.)         24.8         l/h           Fleat from regulator         Standard           Precision class         G3         Unit of the precision class         L           Oil quantity         36.0	Description	VOLVO-PENTA	
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       353.0       kW         Flywheel E.P. Power net       388.0       kW         Fuel Cons. at 100% (E.P.)       92.8       l/h         Fuel Cons. at 100% (P.R.P)       84.0       l/h         Fuel Cons. at 50% (P.R.P.)       84.0       l/h         Fuel Cons. at 55% (P.R.P.)       43.3       l/h         Fuel Cons. at 25% (P.R.P.)       24.8       l/h	Engine model	TAD1343GE	
Cubic capacity         12.78         I           Air intake         Turbocharged         Standard voltage         24         Vdc           Optional voltage         Vdc         Vdc         Vdc         Sae         1-14         BMEP         1900         kPa         Cooling         Water         Flywheel P.R.P. Power net         353.0         kW         Flywheel E.P. Power net         388.0         kW         Flywheel E.P. Power net         388.0         kW         Fuel Cons. at 100% (E.P.)         92.8         I/h         I/h         Fuel Cons. at 100% (P.R.P.)         84.0         I/h         I/h         Fuel Cons. at 75% (P.R.P.)         84.0         I/h         I/h         Fuel Cons. at 50% (P.R.P.)         43.3         I/h         I/h         Fuel Cons. at 50% (P.R.P.)         24.8         I/h         I/h         Fuel Cons. at 25% (P.R.P.)         24.8         I/h	Cylinders	6	
Air intake         Turbocharged           Standard voltage         24 Vdc           Optional voltage         Vdc           Sae         1-14           BMEP         1900 kPa           Cooling         Water           Flywheel P.R.P. Power net         353.0 kW           Flywheel E.P. Power net         388.0 kW           Fuel Cons. at 100% (E.P.)         92.8 l/h           Fuel Cons. at 100% (P.R.P)         84.0 l/h           Fuel Cons. at 75% (P.R.P.)         63.0 l/h           Fuel Cons. at 50% (P.R.P.)         43.3 l/h           Fuel Cons. at 25% (P.R.P.)         24.8 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         163.0 kW           Heat from radiation         22.0 kW           Exhaust temperature         446 °C           Portata Raffreddamento         0.0 m³/min           Combustion air flow         28.0 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         BMEP         1900         kPa           Cooling         Water         Flywheel P.R.P. Power net         353.0         kW           Flywheel E.P. Power net         388.0         kW           Fuel Cons. at 100% (E.P.)         92.8         I/h           Fuel Cons. at 100% (P.R.P)         84.0         I/h           Fuel Cons. at 75% (P.R.P.)         63.0         I/h           Fuel Cons. at 50% (P.R.P.)         43.3         I/h           Fuel Cons. at 25% (P.R.P.)         24.8         I/h           Fuel Cons. at 25% (P.R.P.)         36.0         I           Electronic regulator         Standard           Precision class         G3         O           Oil quantity         36.0         I           Engine Antifreeze capacity         0.0         I           Radiator type         TR         Heat from radiator         163.0         kW           Heat from radiation         22.0         kW           Exhaust temperature         446         °C           Portata Raffreddamento         0.0         m³/min           Exhaust gas flow	Cubic capacity	12.78	I
Optional voltage         Vdc           Sae         1-14           BMEP         1900         kPa           Cooling         Water           Flywheel P.R.P. Power net         353.0         kW           Flywheel E.P. Power net         388.0         kW           Fuel Cons. at 100% (E.P.)         92.8         I/h           Fuel Cons. at 100% (P.R.P)         84.0         I/h           Fuel Cons. at 75% (P.R.P.)         63.0         I/h           Fuel Cons. at 50% (P.R.P.)         43.3         I/h           Fuel Cons. at 25% (P.R.P.)         24.8         I/h           Fuel Cons. at 25% (P.R.P.)         36.0         I           Electronic regulator         Standard           Precision class         G3         O           Oil quantity         36.0         I           Engine Antifreeze capacity         0.0         I           Radiator type         TR         Heat from radiator         163.0         kW           Heat from exhaust         263.0         kW           Heat from radiation         22.0         kW           Exhaust temperature         446         °C           Portata Raffreddamento         0.0         m³/min	Air intake	Turbocharged	
Sae       1-14         BMEP       1900       kPa         Cooling       Water         Flywheel P.R.P. Power net       353.0       kW         Flywheel E.P. Power net       388.0       kW         Fuel Cons. at 100% (E.P.)       92.8       I/h         Fuel Cons. at 100% (P.R.P)       84.0       I/h         Fuel Cons. at 75% (P.R.P.)       63.0       I/h         Fuel Cons. at 25% (P.R.P.)       24.8       I/h         Fuel Cons. at 25% (P.R.P.)       24.8       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       163.0       kW         Heat from exhaust       263.0       kW         Heat from radiation       22.0       kW         Exhaust temperature       446       °C         Portata Raffreddamento       0.0       m³/min         Exhaust gas flow       0.0       m³/min         TA Luft       N         TA Luft/2       N         EPA       N <td>Standard voltage</td> <td>24</td> <td>Vdc</td>	Standard voltage	24	Vdc
BMEP         1900         kPa           Cooling         Water           Flywheel P.R.P. Power net         353.0         kW           Flywheel E.P. Power net         388.0         kW           Fuel Cons. at 100% (E.P.)         92.8         l/h           Fuel Cons. at 100% (P.R.P)         84.0         l/h           Fuel Cons. at 75% (P.R.P.)         63.0         l/h           Fuel Cons. at 25% (P.R.P.)         24.8         l/h           Fuel Cons. at 25% (P.R.P.)         24.8         l/h           Electronic regulator         Standard           Precision class         G3         Oil quantity         36.0         l           Engine Antifreeze capacity         0.0         l         l           Radiator type         TR         r         Heat from radiator         163.0         kW           Heat from exhaust         263.0         kW         r           Heat from radiation         22.0         kW           Exhaust temperature         446         °C           Portata Raffreddamento         0.0         m³/min           Combustion air flow         28.0         m³/min           Exhaust gas flow         0.0         m³/min           TA L	Optional voltage		Vdc
Cooling         Water           Flywheel P.R.P. Power net         353.0 kW           Flywheel E.P. Power net         388.0 kW           Fuel Cons. at 100% (E.P.)         92.8 l/h           Fuel Cons. at 100% (P.R.P)         84.0 l/h           Fuel Cons. at 55% (P.R.P.)         63.0 l/h           Fuel Cons. at 55% (P.R.P.)         24.8 l/h           Fuel Cons. at 25% (P.R.P.)         24.8 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         163.0 kW           Heat from exhaust         263.0 kW           Heat from radiation         22.0 kW           Exhaust temperature         446 °C           Portata Raffreddamento         0.0 m³/min           Combustion air flow         28.0 m³/min           Exhaust gas flow         0.0 m³/min           TA Luft         N           TA Luft/2         N           EPA         N	Sae	1-14	
Flywheel P.R.P. Power net         353.0 kW           Flywheel E.P. Power net         388.0 kW           Fuel Cons. at 100% (E.P.)         92.8 l/h           Fuel Cons. at 100% (P.R.P)         84.0 l/h           Fuel Cons. at 75% (P.R.P.)         63.0 l/h           Fuel Cons. at 50% (P.R.P.)         43.3 l/h           Fuel Cons. at 25% (P.R.P.)         24.8 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         163.0 kW           Heat from exhaust         263.0 kW           Heat from radiation         22.0 kW           Exhaust temperature         446 °C           Portata Raffreddamento         0.0 m³/min           Combustion air flow         28.0 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       388.0 kW         Fuel Cons. at 100% (E.P.)       92.8 l/h         Fuel Cons. at 100% (P.R.P)       84.0 l/h         Fuel Cons. at 75% (P.R.P.)       63.0 l/h         Fuel Cons. at 50% (P.R.P.)       43.3 l/h         Fuel Cons. at 25% (P.R.P.)       24.8 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       163.0 kW         Heat from exhaust       263.0 kW         Heat from radiation       22.0 kW         Exhaust temperature       446 °C         Portata Raffreddamento       0.0 m³/min         Combustion air flow       28.0 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.)       92.8 l/h         Fuel Cons. at 100% (P.R.P)       84.0 l/h         Fuel Cons. at 75% (P.R.P.)       63.0 l/h         Fuel Cons. at 50% (P.R.P.)       43.3 l/h         Fuel Cons. at 25% (P.R.P.)       24.8 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       163.0 kW         Heat from exhaust       263.0 kW         Heat from radiation       22.0 kW         Exhaust temperature       446 °C         Portata Raffreddamento       0.0 m³/min         Combustion air flow       28.0 m³/min         Exhaust gas flow       0.0 m³/min         TA Luft       N         TA Luft/2       N         EPA       N	Flywheel P.R.P. Power net	353.0	kW
Fuel Cons. at 100% (P.R.P)       84.0 l/h         Fuel Cons. at 75% (P.R.P.)       63.0 l/h         Fuel Cons. at 50% (P.R.P.)       43.3 l/h         Fuel Cons. at 25% (P.R.P.)       24.8 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       163.0 kW         Heat from exhaust       263.0 kW         Heat from radiation       22.0 kW         Exhaust temperature       446 °C         Portata Raffreddamento       0.0 m³/min         Combustion air flow       28.0 m³/min         Exhaust gas flow       0.0 m³/min         TA Luft       N         TA Luft/2       N         EPA       N	Flywheel E.P. Power net	388.0	kW
Fuel Cons. at 75% (P.R.P.)       63.0 l/h         Fuel Cons. at 50% (P.R.P.)       43.3 l/h         Fuel Cons. at 25% (P.R.P.)       24.8 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       163.0 kW         Heat from exhaust       263.0 kW         Heat from radiation       22.0 kW         Exhaust temperature       446 °C         Portata Raffreddamento       0.0 m³/min         Combustion air flow       28.0 m³/min         Exhaust gas flow       0.0 m³/min         TA Luft       N         TA Luft/2       N         EPA       N	Fuel Cons. at 100% (E.P.)	92.8	l/h
Fuel Cons. at 50% (P.R.P.)         43.3 l/h           Fuel Cons. at 25% (P.R.P.)         24.8 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         163.0 kW           Heat from exhaust         263.0 kW           Heat from radiation         22.0 kW           Exhaust temperature         446 °C           Portata Raffreddamento         0.0 m³/min           Combustion air flow         28.0 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)	84.0	l/h
Fuel Cons. at 25% (P.R.P.)         24.8 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         163.0 kW           Heat from exhaust         263.0 kW           Heat from radiation         22.0 kW           Exhaust temperature         446 °C           Portata Raffreddamento         0.0 m³/min           Combustion air flow         28.0 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.)	63.0	l/h
Electronic regulator  Precision class  G3  Oil quantity  Engine Antifreeze capacity  Radiator type  TR  Heat from radiator  Heat from exhaust  Exhaust temperature  Portata Raffreddamento  Combustion air flow  TA Luft  TA Luft/2  Precision class  G3  OI  Radiator type  TR  Heat from radiator  163.0 kW  Heat from radiator  263.0 kW  Exhaust temperature  446 °C  Portata Raffreddamento  0.0 m³/min  TA Luft  N  TA Luft/2  EPA  N	Fuel Cons. at 50% (P.R.P.)	43.3	l/h
Precision class  Oil quantity  36.0 I  Engine Antifreeze capacity  Radiator type  TR  Heat from radiator  Heat from exhaust  163.0 kW  Heat from radiation  22.0 kW  Exhaust temperature  446 °C  Portata Raffreddamento  0.0 m³/min  Combustion air flow  28.0 m³/min  Exhaust gas flow  TA Luft  N  TA Luft/2  EPA  N	Fuel Cons. at 25% (P.R.P.)	24.8	l/h
Oil quantity  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  N  163.0 kW  163.0 kW  263.0 kW  263.0 kW  263.0 kW  263.0 kW  263.0 kW  263.0 kW  270 kW  280 m³/min  280 m³/min  280 m³/min  N  N	Electronic regulator	Standard	
Engine Antifreeze capacity  Radiator type  TR  Heat from radiator  Heat from exhaust  163.0 kW  Heat from radiation  22.0 kW  Exhaust temperature  Portata Raffreddamento  Combustion air flow  Exhaust gas flow  TA Luft  TA Luft/2  EPA  N  TR  163.0 kW  AW  AW  AW  AW  AW  AW  AW  AW  AW	Precision class	G3	
Radiator type TR Heat from radiator 163.0 kW Heat from exhaust 263.0 kW Heat from radiation 22.0 kW Exhaust temperature 446 °C Portata Raffreddamento 0.0 m³/min Combustion air flow 28.0 m³/min Exhaust gas flow 0.0 m³/min TA Luft N TA Luft/2 N EPA N	Oil quantity	36.0	1
Heat from radiator 163.0 kW Heat from exhaust 263.0 kW Heat from radiation 22.0 kW Exhaust temperature 446 °C Portata Raffreddamento 0.0 m³/min Combustion air flow 28.0 m³/min Exhaust gas flow 0.0 m³/min TA Luft N TA Luft/2 N EPA N	Engine Antifreeze capacity	0.0	1
Heat from exhaust 263.0 kW  Heat from radiation 22.0 kW  Exhaust temperature 446 °C  Portata Raffreddamento 0.0 m³/min  Combustion air flow 28.0 m³/min  Exhaust gas flow 0.0 m³/min  TA Luft N  TA Luft/2 N  EPA N	Radiator type	TR	
Heat from radiation 22.0 kW  Exhaust temperature 446 °C  Portata Raffreddamento 0.0 m³/min  Combustion air flow 28.0 m³/min  Exhaust gas flow 0.0 m³/min  TA Luft N  TA Luft/2 N  EPA N	Heat from radiator	163.0	kW
Exhaust temperature 446 °C  Portata Raffreddamento 0.0 m³/min  Combustion air flow 28.0 m³/min  Exhaust gas flow 0.0 m³/min  TA Luft N  TA Luft/2 N  EPA N	Heat from exhaust	263.0	kW
Portata Raffreddamento 0.0 m³/min Combustion air flow 28.0 m³/min Exhaust gas flow 0.0 m³/min TA Luft N TA Luft/2 N EPA N	Heat from radiation	22.0	kW
Combustion air flow 28.0 m³/min  Exhaust gas flow 0.0 m³/min  TA Luft N  TA Luft/2 N  EPA N	Exhaust temperature	446	°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	28.0	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

MAIN BAIA	
Continuous power (PRP)	<b>400.00</b> kVA
Continuous power (PRP)	<b>320.00</b> kW
Emergency power (E.P.)	<b>435.00</b> kVA
Emergency power (E.P.)	348.00 kW
VAC - HZ - cos(fi)	208 - 60 - 0.8
Sound pressure 7 m.	<b>72.0</b> dBA

#### **DIMENSIONS AND WEIGHT**

Width	1600 m	m
Length	4310 mi	m
Height	2560 mi	m
Weight	4610 kg	

#### **ALTERNATOR**

ALIERNATOR		
Description	STAMFORD	
Alternator model	S4L1D-E	
P.R.P. Power	400.0	kVA
E.P. Power	435.0	kVA
Connection	Parallel 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		
Optional tank	0	I	
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.