

## V 450 GX





## **GALAXY "GX"**



ENGINE         VOLVO-PENTA           Description         VOLVO-PENTA           Engine model         TAD1345GE           Cylinders         6           RPM speed         1500           Cubic capacity         12.78           Air intake         Turbocharged           Standard voltage         24         Vdc           Optional voltage         Vdc           Sae         1-14         BMEP         2500         kPa           Cooling         Water         Flywheel P.R.P. Power net         388.0         kW           Flywheel Stand-by Power net         431.0         kW           Fuel Cons. at 100% (L.T.P.)         100.6         l/h           Fuel Cons. at 100% (P.R.P)         90.5         l/h           Fuel Cons. at 75% (P.R.P.)         68.2         l/h           Fuel Cons. at 25% (P.R.P.)         25.1         l/h           Fuel Cons. at 25% (P.R.P.)         35.1         l/h           Fuel Cons. at 25% (P.R.P.)         25.1         l/h           Fuel Cons. at 25% (P.R.P.)         25.1         l/h           Fuel Cons. at 25% (P.R.P.)         25.1         l/h           Fuel Cons. at 25% (P.R.P.)         26.0         l/h           Fue			
Engine model         TAD1345GE           Cylinders         6           RPM speed         1500           Cubic capacity         12.78           Air intake         Turbocharged           Standard voltage         24         Vdc           Optional voltage         Vdc           Sae         1-14         Valous           BMEP         2500         kPa           Cooling         Water         Valous           Flywheel P.R.P. Power net         388.0         kW           Flywheel Stand-by Power net         431.0         kW           Fuel Cons. at 100% (L.T.P.)         100.6         l/h           Fuel Cons. at 100% (P.R.P.)         90.5         l/h           Fuel Cons. at 25% (P.R.P.)         68.2         l/h           Fuel Cons. at 25% (P.R.P.)         25.1         l/h           Fuel Cons. at 25% (P.R.P.)         25.1         l/h           Fuel Cons. at 25% (P.R.P.)         36.0         l           Flectronic regulator         Standard           Precision class         G3         l           Oil quantity         36.0         l           Engine Antifreeze capacity         0.0         l           Read from radiator	ENGINE		
Cylinders         6           RPM speed         1500           Cubic capacity         12.78           Air intake         Turbocharged           Standard voltage         24         Vdc           Optional voltage         Vdc           Sae         1-14         Vdc           BMEP         2500         kPa           Cooling         Water         Vdc           Flywheel P.R.P. Power net         388.0         kW           Flywheel Stand-by Power net         431.0         kW           Fuel Cons. at 100% (L.T.P.)         100.6         l/h           Fuel Cons. at 100% (P.R.P.)         90.5         l/h           Fuel Cons. at 50% (P.R.P.)         68.2         l/h           Fuel Cons. at 50% (P.R.P.)         46.0         l/h           Fuel Cons. at 50% (P.R.P.)         25.1         l/h           Fuel Cons. at 50% (P.R.P.)         36.2         l/h           Fuel Cons. at 50% (P.R.P.)         36.0         l           Flexion class         G3         0           Oil quantity         36.0         l           Engine Antifreeze capacity         0.0         l           Radiator type         TR         l	Description	VOLVO-PENTA	
RPM speed         1500           Cubic capacity         12.78         I           Air intake         Turbocharged         Standard voltage         24         Vdc           Standard voltage         Vdc         Vdc         Vdc         Vdc         Vdc         Vdc         Sae         1-14         BMEP         2500         kPa         Cooling         Water         Flywheel P.R.P. Power net         388.0         kW         Flywheel Stand-by Power net         431.0         kW         Fuel Cons. at 100% (L.T.P.)         100.6         I/h         I/h         Fuel Cons. at 100% (P.R.P.)         90.5         I/h         I/h         Fuel Cons. at 100% (P.R.P.)         90.5         I/h         I/h         Fuel Cons. at 50% (P.R.P.)         68.2         I/h         I/h         Fuel Cons. at 50% (P.R.P.)         46.0         I/h         I/h         Fuel Cons. at 25% (P.R.P.)         25.1         I/h         I/h         Fuel Cons. at 25% (P.R.P.) </td <td>Engine model</td> <td>TAD1345GE</td> <td></td>	Engine model	TAD1345GE	
Cubic capacity         12.78         I           Air intake         Turbocharged         Standard voltage         Vdc           Optional voltage         Vdc         Vdc           Sae         1-14         BMEP         2500         kPa           Cooling         Water         Flywheel P.R.P. Power net         388.0         kW           Flywheel Stand-by Power net         431.0         kW           Fuel Cons. at 100% (L.T.P.)         100.6         l/h           Fuel Cons. at 100% (P.R.P)         90.5         l/h           Fuel Cons. at 75% (P.R.P.)         68.2         l/h           Fuel Cons. at 50% (P.R.P.)         46.0         l/h           Fuel Cons. at 25% (P.R.P.)         25.1         l/h           Flectronic regulator         Standard           Precision class         G3         Oil quantity         36.0         I           Engine Antifreeze capacity         0.0         I         I           Radiator type         TR         Heat from radiator         145.0         kW           Heat from radiation         15.0         kW           Exhaust temperature         475         °C           Portata Raffreddamento         0.0         m³/min	Cylinders	6	
Air intake         Turbocharged           Standard voltage         24 Vdc           Optional voltage         Vdc           Sae         1-14           BMEP         2500 kPa           Cooling         Water           Flywheel P.R.P. Power net         388.0 kW           Flywheel Stand-by Power net         431.0 kW           Fuel Cons. at 100% (L.T.P.)         100.6 l/h           Fuel Cons. at 100% (P.R.P)         90.5 l/h           Fuel Cons. at 75% (P.R.P.)         68.2 l/h           Fuel Cons. at 50% (P.R.P.)         46.0 l/h           Fuel Cons. at 25% (P.R.P.)         25.1 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         145.0 kW           Heat from exhaust         268.0 kW           Heat from radiation         15.0 kW           Exhaust temperature         475 °C           Portata Raffreddamento         0.0 m³/min           Combustion air flow         26.8 m³/min           Exhaust gas flow         0.0 m³/min           TA Luft/2	RPM speed	1500	
Standard voltage         24         Vdc           Optional voltage         Vdc           Sae         1-14         BMEP         2500         kPa           Cooling         Water         Flywheel P.R.P. Power net         388.0         kW           Flywheel Stand-by Power net         431.0         kW           Fuel Cons. at 100% (L.T.P.)         100.6         l/h           Fuel Cons. at 100% (P.R.P)         90.5         l/h           Fuel Cons. at 75% (P.R.P.)         68.2         l/h           Fuel Cons. at 50% (P.R.P.)         46.0         l/h           Fuel Cons. at 25% (P.R.P.)         25.1         l/h           Fuel Cons. at 25% (P.R.P.)         36.0         l           Flectronic regulator         Standard           Precision class         G3         Oil quantity         36.0         l           Engine Antifreeze capacity         0.0         l         L           Radiator type         TR         Heat from radiator         145.0         kW           Heat from radiation         15.0         kW           Heat from radiation         15.0         kW           Exhaust temperature         475 °C           Portata Raffreddamento         0.0 <t< td=""><td>Cubic capacity</td><td>12.78</td><td>I</td></t<>	Cubic capacity	12.78	I
Optional voltage         Vdc           Sae         1-14           BMEP         2500         kPa           Cooling         Water           Flywheel P.R.P. Power net         388.0         kW           Flywheel Stand-by Power net         431.0         kW           Fuel Cons. at 100% (L.T.P.)         100.6         l/h           Fuel Cons. at 100% (P.R.P)         90.5         l/h           Fuel Cons. at 75% (P.R.P.)         68.2         l/h           Fuel Cons. at 50% (P.R.P.)         46.0         l/h           Fuel Cons. at 25% (P.R.P.)         25.1         l/h           Fuel Cons. at 25% (P.R.P.)         36.0         l           Flectronic regulator         Standard           Precision class         G3         Oil quantity         36.0         l           Engine Antifreeze capacity         0.0         l         l         kW           Heat from radiator         145.0         kW         l         Heat from exhaust         268.0         kW           Heat from radiation         15.0         kW         l         k         k           Exhaust temperature         475         °C         l         r         c         k         l         <	Air intake	Turbocharged	
Sae         1-14           BMEP         2500 kPa           Cooling         Water           Flywheel P.R.P. Power net         388.0 kW           Flywheel Stand-by Power net         431.0 kW           Fuel Cons. at 100% (L.T.P.)         100.6 l/h           Fuel Cons. at 100% (P.R.P)         90.5 l/h           Fuel Cons. at 75% (P.R.P.)         68.2 l/h           Fuel Cons. at 50% (P.R.P.)         46.0 l/h           Fuel Cons. at 25% (P.R.P.)         25.1 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         145.0 kW           Heat from exhaust         268.0 kW           Heat from radiation         15.0 kW           Exhaust temperature         475 °C           Portata Raffreddamento         0.0 m³/min           Combustion air flow         26.8 m³/min           Exhaust gas flow         0.0 m³/min           TA Luft         N           EPA         N	Standard voltage	24	Vdc
BMEP         2500 kPa           Cooling         Water           Flywheel P.R.P. Power net         388.0 kW           Flywheel Stand-by Power net         431.0 kW           Fuel Cons. at 100% (L.T.P.)         100.6 l/h           Fuel Cons. at 100% (P.R.P)         90.5 l/h           Fuel Cons. at 75% (P.R.P.)         68.2 l/h           Fuel Cons. at 50% (P.R.P.)         46.0 l/h           Fuel Cons. at 25% (P.R.P.)         25.1 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         145.0 kW           Heat from exhaust         268.0 kW           Heat from radiation         15.0 kW           Exhaust temperature         475 °C           Portata Raffreddamento         0.0 m³/min           Combustion air flow         26.8 m³/min           Exhaust gas flow         0.0 m³/min           TA Luft         N           EPA         N	Optional voltage		Vdc
Cooling         Water           Flywheel P.R.P. Power net         388.0 kW           Flywheel Stand-by Power net         431.0 kW           Fuel Cons. at 100% (L.T.P.)         100.6 l/h           Fuel Cons. at 100% (P.R.P)         90.5 l/h           Fuel Cons. at 75% (P.R.P.)         68.2 l/h           Fuel Cons. at 50% (P.R.P.)         46.0 l/h           Fuel Cons. at 25% (P.R.P.)         25.1 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         145.0 kW           Heat from exhaust         268.0 kW           Heat from radiation         15.0 kW           Exhaust temperature         475 °C           Portata Raffreddamento         0.0 m³/min           Combustion air flow         26.8 m³/min           Exhaust gas flow         0.0 m³/min           TA Luft         N           EPA         N	Sae	1-14	
Flywheel P.R.P. Power net         388.0 kW           Flywheel Stand-by Power net         431.0 kW           Fuel Cons. at 100% (L.T.P.)         100.6 l/h           Fuel Cons. at 100% (P.R.P)         90.5 l/h           Fuel Cons. at 75% (P.R.P.)         68.2 l/h           Fuel Cons. at 50% (P.R.P.)         46.0 l/h           Fuel Cons. at 25% (P.R.P.)         25.1 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         145.0 kW           Heat from exhaust         268.0 kW           Heat from radiation         15.0 kW           Exhaust temperature         475 °C           Portata Raffreddamento         0.0 m³/min           Combustion air flow         26.8 m³/min           Exhaust gas flow         0.0 m³/min           TA Luft         N           EPA         N	BMEP	2500	kPa
Flywheel Stand-by Power net         431.0 kW           Fuel Cons. at 100% (L.T.P.)         100.6 l/h           Fuel Cons. at 100% (P.R.P)         90.5 l/h           Fuel Cons. at 75% (P.R.P.)         68.2 l/h           Fuel Cons. at 50% (P.R.P.)         46.0 l/h           Fuel Cons. at 25% (P.R.P.)         25.1 l/h           Fuel Cons. at 25% (P.R.P.)         25.1 l/h           Flectronic regulator         Standard           Precision class         G3           Oil quantity         36.0 l           Engine Antifreeze capacity         0.0 l           Radiator type         TR           Heat from radiator         145.0 kW           Heat from exhaust         268.0 kW           Heat from radiation         15.0 kW           Exhaust temperature         475 °C           Portata Raffreddamento         0.0 m³/min           Combustion air flow         26.8 m³/min           Exhaust gas flow         0.0 m³/min           TA Luft         N           TA Luft/2         N           EPA         N	Cooling	Water	
Fuel Cons. at 100% (L.T.P.)         100.6         I/h           Fuel Cons. at 100% (P.R.P)         90.5         I/h           Fuel Cons. at 75% (P.R.P.)         68.2         I/h           Fuel Cons. at 50% (P.R.P.)         46.0         I/h           Fuel Cons. at 25% (P.R.P.)         25.1         I/h           Fuel Cons. at 25% (P.R.P.)         25.1         I/h           Electronic regulator         Standard           Precision class         G3         0           Oil quantity         36.0         I           Engine Antifreeze capacity         0.0         I           Radiator type         TR         TR           Heat from radiator         145.0         kW           Heat from exhaust         268.0         kW           Heat from radiation         15.0         kW           Exhaust temperature         475 °C           Portata Raffreddamento         0.0         m³/min           Combustion air flow         26.8         m³/min           Exhaust gas flow         0.0         m³/min           TA Luft         N         N           EPA         N	Flywheel P.R.P. Power net	388.0	kW
Fuel Cons. at 100% (P.R.P.)       90.5 I/h         Fuel Cons. at 75% (P.R.P.)       68.2 I/h         Fuel Cons. at 50% (P.R.P.)       46.0 I/h         Fuel Cons. at 25% (P.R.P.)       25.1 I/h         Electronic regulator       Standard         Precision class       G3         Oil quantity       36.0 I         Engine Antifreeze capacity       0.0 I         Radiator type       TR         Heat from radiator       145.0 kW         Heat from exhaust       268.0 kW         Heat from radiation       15.0 kW         Exhaust temperature       475 °C         Portata Raffreddamento       0.0 m³/min         Combustion air flow       26.8 m³/min         Exhaust gas flow       0.0 m³/min         TA Luft       N         TA Luft/2       N         EPA       N	Flywheel Stand-by Power net	431.0	kW
Fuel Cons. at 75% (P.R.P.)       68.2 l/h         Fuel Cons. at 50% (P.R.P.)       46.0 l/h         Fuel Cons. at 25% (P.R.P.)       25.1 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       145.0 kW         Heat from exhaust       268.0 kW         Heat from radiation       15.0 kW         Exhaust temperature       475 °C         Portata Raffreddamento       0.0 m³/min         Combustion air flow       26.8 m³/min         Exhaust gas flow       0.0 m³/min         TA Luft       N         TA Luft/2       N         EPA       N	Fuel Cons. at 100% (L.T.P.)	100.6	l/h
Fuel Cons. at 50% (P.R.P.)         46.0 l/h           Fuel Cons. at 25% (P.R.P.)         25.1 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         145.0 kW           Heat from exhaust         268.0 kW           Heat from radiation         15.0 kW           Exhaust temperature         475 °C           Portata Raffreddamento         0.0 m³/min           Combustion air flow         26.8 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)	90.5	l/h
Fuel Cons. at 25% (P.R.P.)         25.1 I/h           Electronic regulator         Standard           Precision class         G3           Oil quantity         36.0 I           Engine Antifreeze capacity         0.0 I           Radiator type         TR           Heat from radiator         145.0 kW           Heat from exhaust         268.0 kW           Heat from radiation         15.0 kW           Exhaust temperature         475 °C           Portata Raffreddamento         0.0 m³/min           Combustion air flow         26.8 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.)	68.2	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  268.0 kW  Heat from radiation  15.0 kW  Exhaust temperature  475 °C  Portata Raffreddamento  0.0 m³/min  Combustion air flow  26.8 m³/min  Exhaust gas flow  7A Luft  N  TA Luft  TA Luft/2  EPA  N  Sitandard  Standard  A  Standard  A  Standard  A  B  A  N  I  A  B  Standard  A  B  A  N  I  A  N  I  A  B  A  B  A  B  A  B  A  B  A  B  A  B  A  B  B	Fuel Cons. at 50% (P.R.P.)	46.0	l/h
Precision class  Oil quantity  36.0   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  Output  Gas  Gas  Gas  Gas  Gas  Factor  Andre Andre Andre  And	Fuel Cons. at 25% (P.R.P.)	25.1	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  Section 19.00 I  TR  Heat from radiator  145.0 kW  268.0 kW  Heat from radiation  15.0 kW  268.0 kW  And Table 19.00 kW  Exhaust temperature  475 °C  On m³/min  26.8 m³/min  N  TA Luft  N  TA Luft  N  TA Luft/2  N  EPA	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  145.0 kW  268.0 kW  475 °C  C  C  On m³/min  26.8 m³/min  N  N  N  N	Precision class	G3	
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  TA MW  TA Luft TR  145.0 kW  EXW  E475 °C  O.0 m³/min  Com 3/min  TR  TR  TR  TR  TR  TA Luft/2  EPA  N	Oil quantity	36.0	I
Heat from radiator  Heat from exhaust  268.0 kW  Heat from radiation  15.0 kW  Exhaust temperature  475 °C  Portata Raffreddamento  Combustion air flow  Exhaust gas flow  TA Luft  TA Luft/2  EPA  N  145.0 kW  268.0 kW  475 °C  00 m³/min  26.8 m³/min  7 N  N  N  N	Engine Antifreeze capacity	0.0	1
Heat from exhaust 268.0 kW  Heat from radiation 15.0 kW  Exhaust temperature 475 °C  Portata Raffreddamento 0.0 m³/min  Combustion air flow 26.8 m³/min  Exhaust gas flow 0.0 m³/min  TA Luft N  TA Luft N  TA Luft/2 N  EPA N	Radiator type	TR	
Heat from radiation 15.0 kW  Exhaust temperature 475 °C  Portata Raffreddamento 0.0 m³/min  Combustion air flow 26.8 m³/min  Exhaust gas flow 0.0 m³/min  TA Luft N  TA Luft/2 N  EPA N	Heat from radiator	145.0	kW
Exhaust temperature 475 °C  Portata Raffreddamento 0.0 m³/min  Combustion air flow 26.8 m³/min  Exhaust gas flow 0.0 m³/min  TA Luft N  TA Luft/2 N  EPA N	Heat from exhaust	268.0	kW
Portata Raffreddamento 0.0 m³/min  Combustion air flow 26.8 m³/min  Exhaust gas flow 0.0 m³/min  TA Luft N  TA Luft/2 N  EPA N	Heat from radiation	15.0	kW
Combustion air flow 26.8 m³/min  Exhaust gas flow 0.0 m³/min  TA Luft N  TA Luft/2 N  EPA N	Exhaust temperature	475	°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	26.8	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 2	EPA	N	
	Stage	2	

MAIN DATA	
Continuous power (PRP)	<b>450.00</b> kVA
Continuous power (PRP)	<b>360.00</b> kW
Stand-by power (LTP)	<b>495.00</b> kVA
Stand-by power (LTP)	<b>396.00</b> kW
VAC - HZ - cos(fi)	380 - 50 - 0.8
Sound pressure 7 m.	<b>70</b> dBA

DIMENSIONS AND WEIGHT		
Width	1600	mm
Length	4310	mm
Height	2560	mm
Weight	4850	kg

ALTERNATOR	
Description	STAMFORD
Alternator model	HCI5C
P.R.P. Power	450 kVA
L.T.P. Power	495 kVA
Connection	Series star
Phases	3FN
Winding	311
Terminal Number	12 nr.
IP Protection	23
Electronic regulator	AS440
Precision	1 ± %

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

CANOPY & SILENCER	
Canopy model	GV151
Silencer model	MSR/a 125
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.