## **TECHNICAL DATASHEET BD 350 GX**



## **BD 350 GX**





## **GALAXY "GX"**



For	illustr	ative	purposes	only

Description BAUDOUIN Engine model 6M21G400/5 Cylinders 6 RPM speed 1500 Cubic capacity 12.54   Air intake Turbocharged Standard voltage 24 Vdc Optional voltage 24 Vdc Optional voltage 24 Vdc Optional voltage 24 Vdc Cooling Water Flywheel P.R.P. Power net 329.0 kW Flywheel E.P. Power net 364.0 kW Fuel Cons. at 100% (E.P.) 91.3 l/h Fuel Cons. at 100% (P.R.P) 82.1 l/h Fuel Cons. at 55% (P.R.P.) 60.7 l/h Fuel Cons. at 55% (P.R.P.) 41.0 l/h Fuel Cons. at 55% (P.R.P.) 22.1 l/h Fuel Cons at 55% (P.R.P.) 101 quantity 34.0 l Engine Antifreeze capacity 35.0 l Radiator type TR Heat from radiator 197.9 kW Heat from radiator 197.9 kW Exhaust temperature 580 °C Portata Raffreddamento 398.0 m³/min Exhaust gas flow 65.0 m³/min Exhaust gas flow 65.0 m³/min TA Luft N EPA Stage N	ENGINE		
Engine model         6M21G400/5           Cylinders         6           RPM speed         1500           Cubic capacity         12.54         I           Air intake         Turbocharged         Vdc           Standard voltage         24         Vdc           Optional voltage         Vdc         Vdc           Sae         1-14         Image: Cooling Water         Vdc           BMEP         2456         kPa           Cooling         Water         WW           Flywheel P.R.P. Power net         364.0         kW           Flywheel E.P. Power net         364.0         kW           Fuel Cons. at 100% (E.P.)         91.3         l/h           Fuel Cons. at 50% (P.R.P.)         82.1         l/h           Fuel Cons. at 55% (P.R.P.)         41.0         l/h           Fuel Cons. at 25% (P.R.P.)         22.1         l/h           Fuel Cons. at 25% (P.R.P.)         34.0         l           Fleetronic regulator         Standard         r           Precision class         G3         l           Oil quantity         34.0         l           Engine Antifreeze capacity         25.0         l           Reat from radiator<			
Cylinders         6           RPM speed         1500           Cubic capacity         12.54         I           Air intake         Turbocharged         Vdc           Standard voltage         24         Vdc           Optional voltage         vdc         Vdc           Sae         1-14         BMEP         2456         KPa           Cooling         Water         Vdc	·		
RPM speed       1500         Cubic capacity       12.54       I         Air intake       Turbocharged         Standard voltage       24       Vdc         Optional voltage       Vdc         Sae       1-14       BMEP       2456       kPa         Cooling       Water       Flywheel P.R.P. Power net       329.0       kW         Flywheel E.P. Power net       364.0       kW         Fluel Cons. at 100% (E.P.)       91.3       I/h         Fuel Cons. at 100% (P.R.P)       82.1       I/h         Fuel Cons. at 75% (P.R.P.)       60.7       I/h         Fuel Cons. at 50% (P.R.P.)       22.1       I/h         Fuel Cons. at 25% (P.R.P.)       22.1       I/h         Fuel Cons. at 25% (P.R.P.)       22.1       I/h         Fuel Cons. at 25% (P.R.P.)       34.0       I         Electronic regulator       Standard       Precision class       G3         Oil quantity       34.0       I         Engine Antifreeze capacity       25.0       I         Radiator type       TR       R         Heat from radiator       197.9       kW         Heat from radiation       43.7       kW         E		6M21G400/5	
Cubic capacity         12.54         I           Air intake         Turbocharged           Standard voltage         24         Vdc           Optional voltage         Vdc           Sae         1-14         Valor           BMEP         2456         kPa           Cooling         Water         Valor           Flywheel P.R.P. Power net         329.0         kW           Flywheel E.P. Power net         364.0         kW           Fuel Cons. at 100% (E.P.)         91.3         I/h           Fuel Cons. at 100% (P.R.P.)         82.1         I/h           Fuel Cons. at 75% (P.R.P.)         60.7         I/h           Fuel Cons. at 50% (P.R.P.)         22.1         I/h           Fuel Cons. at 25% (P.R.P.)         22.1 <td>Cylinders</td> <td>6</td> <td></td>	Cylinders	6	
Air intake       Turbocharged         Standard voltage       24 Vdc         Optional voltage       Vdc         Sae       1-14         BMEP       2456 kPa         Cooling       Water         Flywheel P.R.P. Power net       329.0 kW         Flywheel E.P. Power net       364.0 kW         Fuel Cons. at 100% (E.P.)       91.3 l/h         Fuel Cons. at 100% (P.R.P)       82.1 l/h         Fuel Cons. at 55% (P.R.P.)       60.7 l/h         Fuel Cons. at 55% (P.R.P.)       41.0 l/h         Fuel Cons. at 25% (P.R.P.)       22.1 l/h         Fuel Cons. at 25% (P.R.P.)       22.1 l/h         Fuel Cons. at 25% (P.R.P.)       34.0 l/h         Fleetronic regulator       Standard         Precision class       G3         Oil quantity       34.0 l/h         Engine Antifreeze capacity       25.0 l/h         Radiator type       TR         Heat from radiator       197.9 kW         Heat from radiator       197.9 kW         Heat from radiation       43.7 kW         Exhaust temperature       580 °C         Portata Raffreddamento       398.0 m³/min         Combustion air flow       24.0 m³/min         Exhaust gas f	RPM speed	1500	
Standard voltage         24         Vdc           Optional voltage         Vdc           Sae         1-14         ***           BMEP         2456         kPa           Cooling         Water         ***           Flywheel P.R.P. Power net         329.0         kW           Flywheel E.P. Power net         364.0         kW           Fuel Cons. at 100% (E.P.)         91.3         !/h           Fuel Cons. at 100% (P.R.P)         82.1         !/h           Fuel Cons. at 75% (P.R.P.)         60.7         !/h           Fuel Cons. at 50% (P.R.P.)         41.0         !/h           Fuel Cons. at 25% (P.R.P.)         22.1         !/h           Fuel Cons. at 25% (P.R.P.)         32.1         !/h           Fuel Cons. at 100% (E.P.)         1/h         !/h           Fuel Cons. at 25% (P.R.P.)         82.1         !/h           Fuel Cons. at 100	Cubic capacity	12.54	I
Optional voltage         Vdc           Sae         1-14           BMEP         2456         kPa           Cooling         Water           Flywheel P.R.P. Power net         329.0         kW           Flywheel E.P. Power net         364.0         kW           Fuel Cons. at 100% (E.P.)         91.3         I/h           Fuel Cons. at 100% (P.R.P)         82.1         I/h           Fuel Cons. at 75% (P.R.P.)         60.7         I/h           Fuel Cons. at 50% (P.R.P.)         41.0         I/h           Fuel Cons. at 25% (P.R.P.)         22.1         I/h           Fuel Cons. at 25% (P.R.P.)         34.0         I           Electronic regulator         Standard         Standard           Precision class         G3         O           Oil quantity         34.0         I           Engine Antifreeze capacity         25.0         I           Radiator type         TR         Heat from radiator         197.9         kW           Heat from radiation         43.7         kW           Exhaust temperature         580         °C           Portata Raffreddamento         398.0         m³/min           Exhaust gas flow         65.0	Air intake	Turbocharged	
Sae       1-14         BMEP       2456       kPa         Cooling       Water         Flywheel P.R.P. Power net       329.0       kW         Flywheel E.P. Power net       364.0       kW         Fuel Cons. at 100% (E.P.)       91.3       l/h         Fuel Cons. at 100% (P.R.P)       82.1       l/h         Fuel Cons. at 75% (P.R.P.)       60.7       l/h         Fuel Cons. at 50% (P.R.P.)       41.0       l/h         Fuel Cons. at 25% (P.R.P.)       22.1       l/h         Electronic regulator       Standard       Precision class       G3         Oil quantity       34.0       I         Engine Antifreeze capacity       25.0       I         Radiator type       TR       R         Heat from radiator       197.9       kW         Heat from exhaust       276.5       kW         Heat from radiation       43.7       kW         Exhaust temperature       580       °C         Portata Raffreddamento       398.0       m³/min         Combustion air flow       24.0       m³/min         Exhaust gas flow       65.0       m³/min         TA Luft       N         EPA	Standard voltage	24	Vdc
BMEP       2456       kPa         Cooling       Water         Flywheel P.R.P. Power net       329.0       kW         Flywheel E.P. Power net       364.0       kW         Fuel Cons. at 100% (E.P.)       91.3       I/h         Fuel Cons. at 100% (P.R.P)       82.1       I/h         Fuel Cons. at 75% (P.R.P.)       60.7       I/h         Fuel Cons. at 50% (P.R.P.)       41.0       I/h         Fuel Cons. at 25% (P.R.P.)       22.1       I/h         Fuel Cons. at 25% (P.R.P.)       34.0       I         Electronic regulator       Standard       I         Precision class       G3       I         Oil quantity       34.0       I         Engine Antifreeze capacity       25.0       I         Radiator type       TR       I         Heat from radiator       197.9       kW         Heat from exhaust       276.5       kW         Heat from radiation       43.7       kW         Exhaust temperature       580       °C         Portata Raffreddamento       398.0       m³/min         Combustion air flow       24.0       m³/min         Exhaust gas flow       65.0       m³/min	Optional voltage		Vdc
Cooling         Water           Flywheel P.R.P. Power net         329.0 kW           Flywheel E.P. Power net         364.0 kW           Fuel Cons. at 100% (E.P.)         91.3 l/h           Fuel Cons. at 100% (P.R.P)         82.1 l/h           Fuel Cons. at 75% (P.R.P.)         60.7 l/h           Fuel Cons. at 50% (P.R.P.)         41.0 l/h           Fuel Cons. at 25% (P.R.P.)         22.1 l/h           Electronic regulator         Standard           Precision class         G3           Oil quantity         34.0 l           Engine Antifreeze capacity         25.0 l           Radiator type         TR           Heat from radiator         197.9 kW           Heat from exhaust         276.5 kW           Heat from radiation         43.7 kW           Exhaust temperature         580 °C           Portata Raffreddamento         398.0 m³/min           Combustion air flow         24.0 m³/min           Exhaust gas flow         65.0 m³/min           TA Luft         N           TA Luft/2         N           EPA         N	Sae	1-14	
Flywheel P.R.P. Power net       329.0 kW         Flywheel E.P. Power net       364.0 kW         Fuel Cons. at 100% (E.P.)       91.3 l/h         Fuel Cons. at 100% (P.R.P)       82.1 l/h         Fuel Cons. at 75% (P.R.P.)       60.7 l/h         Fuel Cons. at 50% (P.R.P.)       41.0 l/h         Fuel Cons. at 25% (P.R.P.)       22.1 l/h         Electronic regulator       Standard         Precision class       G3         Oil quantity       34.0 l         Engine Antifreeze capacity       25.0 l         Radiator type       TR         Heat from radiator       197.9 kW         Heat from exhaust       276.5 kW         Heat from radiation       43.7 kW         Exhaust temperature       580 °C         Portata Raffreddamento       398.0 m³/min         Combustion air flow       24.0 m³/min         Exhaust gas flow       65.0 m³/min         TA Luft       N         TA Luft/2       N         EPA       N	BMEP	2456	kPa
Flywheel E.P. Power net       364.0 kW         Fuel Cons. at 100% (E.P.)       91.3 l/h         Fuel Cons. at 100% (P.R.P)       82.1 l/h         Fuel Cons. at 75% (P.R.P.)       60.7 l/h         Fuel Cons. at 50% (P.R.P.)       41.0 l/h         Fuel Cons. at 25% (P.R.P.)       22.1 l/h         Electronic regulator       Standard         Precision class       G3         Oil quantity       34.0 l         Engine Antifreeze capacity       25.0 l         Radiator type       TR         Heat from radiator       197.9 kW         Heat from exhaust       276.5 kW         Heat from radiation       43.7 kW         Exhaust temperature       580 °C         Portata Raffreddamento       398.0 m³/min         Combustion air flow       24.0 m³/min         Exhaust gas flow       65.0 m³/min         TA Luft       N         TA Luft/2       N         EPA       N	Cooling	Water	
Fuel Cons. at 100% (E.P.)       91.3       I/h         Fuel Cons. at 100% (P.R.P)       82.1       I/h         Fuel Cons. at 75% (P.R.P.)       60.7       I/h         Fuel Cons. at 50% (P.R.P.)       41.0       I/h         Fuel Cons. at 25% (P.R.P.)       22.1       I/h         Electronic regulator       Standard         Precision class       G3         Oil quantity       34.0       I         Engine Antifreeze capacity       25.0       I         Radiator type       TR       T         Heat from radiator       197.9       kW         Heat from exhaust       276.5       kW         Heat from radiation       43.7       kW         Exhaust temperature       580       °C         Portata Raffreddamento       398.0       m³/min         Combustion air flow       24.0       m³/min         Exhaust gas flow       65.0       m³/min         TA Luft       N         TA Luft/2       N         EPA       N	Flywheel P.R.P. Power net	329.0	kW
Fuel Cons. at 100% (P.R.P.)       82.1 l/h         Fuel Cons. at 75% (P.R.P.)       60.7 l/h         Fuel Cons. at 50% (P.R.P.)       41.0 l/h         Fuel Cons. at 25% (P.R.P.)       22.1 l/h         Electronic regulator       Standard         Precision class       G3         Oil quantity       34.0 l         Engine Antifreeze capacity       25.0 l         Radiator type       TR         Heat from radiator       197.9 kW         Heat from exhaust       276.5 kW         Heat from radiation       43.7 kW         Exhaust temperature       580 °C         Portata Raffreddamento       398.0 m³/min         Combustion air flow       24.0 m³/min         Exhaust gas flow       65.0 m³/min         TA Luft       N         TA Luft/2       N         EPA       N	Flywheel E.P. Power net	364.0	kW
Fuel Cons. at 75% (P.R.P.)       60.7       I/h         Fuel Cons. at 50% (P.R.P.)       41.0       I/h         Fuel Cons. at 25% (P.R.P.)       22.1       I/h         Electronic regulator       Standard         Precision class       G3         Oil quantity       34.0       I         Engine Antifreeze capacity       25.0       I         Radiator type       TR       Heat from radiator       197.9       kW         Heat from exhaust       276.5       kW         Heat from radiation       43.7       kW         Exhaust temperature       580       °C         Portata Raffreddamento       398.0       m³/min         Combustion air flow       24.0       m³/min         Exhaust gas flow       65.0       m³/min         TA Luft       N         TA Luft/2       N         EPA       N	Fuel Cons. at 100% (E.P.)	91.3	l/h
Fuel Cons. at 50% (P.R.P.)       41.0 l/h         Fuel Cons. at 25% (P.R.P.)       22.1 l/h         Electronic regulator       Standard         Precision class       G3         Oil quantity       34.0 l         Engine Antifreeze capacity       25.0 l         Radiator type       TR         Heat from radiator       197.9 kW         Heat from exhaust       276.5 kW         Heat from radiation       43.7 kW         Exhaust temperature       580 °C         Portata Raffreddamento       398.0 m³/min         Combustion air flow       24.0 m³/min         Exhaust gas flow       65.0 m³/min         TA Luft       N         TA Luft/2       N         EPA       N	Fuel Cons. at 100% (P.R.P)	82.1	l/h
Fuel Cons. at 25% (P.R.P.)         22.1         I/h           Electronic regulator         Standard         Precision class         G3           Oil quantity         34.0         I           Engine Antifreeze capacity         25.0         I           Radiator type         TR         TR           Heat from radiator         197.9         kW           Heat from exhaust         276.5         kW           Heat from radiation         43.7         kW           Exhaust temperature         580         °C           Portata Raffreddamento         398.0         m³/min           Combustion air flow         24.0         m³/min           Exhaust gas flow         65.0         m³/min           TA Luft         N         N           TA Luft/2         N         N           EPA         N         N	Fuel Cons. at 75% (P.R.P.)	60.7	l/h
Electronic regulatorStandardPrecision classG3Oil quantity34.0IEngine Antifreeze capacity25.0IRadiator typeTRTRHeat from radiator197.9kWHeat from exhaust276.5kWHeat from radiation43.7kWExhaust temperature580°CPortata Raffreddamento398.0m³/minCombustion air flow24.0m³/minExhaust gas flow65.0m³/minTA LuftNTA Luft/2NEPAN	Fuel Cons. at 50% (P.R.P.)	41.0	l/h
Precision class  G3  Oil quantity  34.0   Engine Antifreeze capacity  Radiator type  TR  Heat from radiator  Heat from exhaust  276.5 kW  Heat from radiation  43.7 kW  Exhaust temperature  580 °C  Portata Raffreddamento  398.0 m³/min  Combustion air flow  24.0 m³/min  Exhaust gas flow  TA Luft  N  TA Luft/2  EPA  N	Fuel Cons. at 25% (P.R.P.)	22.1	l/h
Oil quantity         34.0 I           Engine Antifreeze capacity         25.0 I           Radiator type         TR           Heat from radiator         197.9 kW           Heat from exhaust         276.5 kW           Heat from radiation         43.7 kW           Exhaust temperature         580 °C           Portata Raffreddamento         398.0 m³/min           Combustion air flow         24.0 m³/min           Exhaust gas flow         65.0 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  TA  Heat from radiation  Heat from radiation  TA  Exhaust temperature  Portata Raffreddamento  Combustion air flow  Exhaust gas flow  TA Luft  TA Luft/2  EPA  RW  Exhaust temperature  580 °C  Romand mandamento  398.0 mand mandamento  65.0 mand mandamento  N  TA Luft/2  N  TA Luft/2  N	Precision class	G3	
Radiator type TR Heat from radiator 197.9 kW Heat from exhaust 276.5 kW Heat from radiation 43.7 kW Exhaust temperature 580 °C Portata Raffreddamento 398.0 m³/min Combustion air flow 24.0 m³/min Exhaust gas flow 65.0 m³/min TA Luft N TA Luft/2 N EPA N	Oil quantity	34.0	I
Heat from radiator 197.9 kW Heat from exhaust 276.5 kW Heat from radiation 43.7 kW Exhaust temperature 580 °C Portata Raffreddamento 398.0 m³/min Combustion air flow 24.0 m³/min Exhaust gas flow 65.0 m³/min TA Luft N TA Luft/2 N EPA N	Engine Antifreeze capacity	25.0	1
Heat from exhaust 276.5 kW  Heat from radiation 43.7 kW  Exhaust temperature 580 °C  Portata Raffreddamento 398.0 m³/min  Combustion air flow 24.0 m³/min  Exhaust gas flow 65.0 m³/min  TA Luft N  TA Luft/2 N  EPA N	Radiator type	TR	
Heat from radiation 43.7 kW  Exhaust temperature 580 °C  Portata Raffreddamento 398.0 m³/min  Combustion air flow 24.0 m³/min  Exhaust gas flow 65.0 m³/min  TA Luft N  TA Luft/2 N  EPA N	Heat from radiator	197.9	kW
Exhaust temperature 580 °C  Portata Raffreddamento 398.0 m³/min  Combustion air flow 24.0 m³/min  Exhaust gas flow 65.0 m³/min  TA Luft N  TA Luft/2 N  EPA N	Heat from exhaust	276.5	kW
Portata Raffreddamento 398.0 m³/min Combustion air flow 24.0 m³/min Exhaust gas flow 65.0 m³/min TA Luft N TA Luft/2 N EPA N	Heat from radiation	43.7	kW
Combustion air flow 24.0 m³/min Exhaust gas flow 65.0 m³/min TA Luft N TA Luft/2 N EPA N	Exhaust temperature	580	°C
Exhaust gas flow 65.0 m³/min TA Luft N TA Luft/2 N EPA N	Portata Raffreddamento	398.0	m³/min
TA Luft N TA Luft/2 N EPA N	Combustion air flow	24.0	m³/min
TA Luft/2 N EPA N	Exhaust gas flow	65.0	m³/min
EPA N	TA Luft	N	
	TA Luft/2	N	
Stage N	EPA	N	
	Stage	N	

MAIN DATA	
Continuous power (PRP)	<b>360.00</b> kVA
Continuous power (PRP)	288.00 kW
Emergency power (E.P.)	<b>400.00</b> kVA
Emergency power (E.P.)	<b>320.00</b> kW
VAC - HZ - cos(fi)	400 - 50 - 0.8
Sound pressure 7 m.	<b>74.0</b> dBA

DIMENSIONS AND WEIGHT		
Width	1600	mm
Length	4310	mm
Height	2560	mm
Weight	4620	kg

ALTERNATOR		
Description	STAMFORD	
Alternator model	S4L1D-E	
P.R.P. Power	360.0	kVA
E.P. Power	415.0	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.