TECHNICAL DATASHEET BD 350 GX



BD 350 GX





GALAXY "GX"



ENGINE Description BAUDOUIN Engine model 6M2IG400/5 Cylinders 6 RPM speed 1500 Cubic capacity 12.54 Air intake Turbocharged Standard voltage 24 Vdc Optional voltage Vdc Sae 1-14 BMEP 2456 kPa Cooling Water 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 100% (F.R.P.) 60.7 l/h Fuel Cons. at 55% (P.R.P.) 60.7 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 Fleel 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.) 22.1 l/h Fuel Cons. at 75% (P.R.P.) <			
Engine model 6M21G400/5 Cylinders 6 RPM speed 1500 Cubic capacity 12.54 I Air intake Turbocharged Standard voltage Vdc Optional voltage Vdc Vdc Sae 1-14 FMEP Cooling Water 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 50% (P.R.P.) 60.7 I/h Fuel Cons. at 25% (P.R.P.) 22.1 I/h Fuel Cons. at 25% (P.R.P.) 32.1 I/h Fuel Cons. at 25% (P.R.P.) 32.1 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 I Oil quantity 34.0 I En	ENGINE		
Cylinders 6 RPM speed 1500 Cubic capacity 12.54 I Air intake Turbocharged Vdc Standard voltage Vdc Vdc Optional voltage Vdc Vdc Sae 1-14 KPa BMEP 2456 kPa Cooling Water W 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 I/h Fuel Cons. at 50% (P.R.P.) 82.1 I/h Fuel Cons. at 55% (P.R.P.) 60.7 I/h Fuel Cons. at 25% (P.R.P.) 22.1 I/h Fuel Cons. at 25% (P.R.P.) 32.1 I/h Fuel Cons. at 25% (P.R.P.) 34.0 I	Description	BAUDOUIN	
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 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 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 G Oil quantity 34.0 I Engine Antifreeze capacity 25.0 I Radiator type TR W Heat from radiator 197.9 kW Heat from radiation 43.7 <td>Engine model</td> <td>6M21G400/5</td> <td></td>	Engine model	6M21G400/5	
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 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.) 22.1 I/h Fuel Cons. at 50% (P.R.P.) 34.0 I Electronic regulator 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	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 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 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/2 N EPA	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 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 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	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 Precision class G3 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 Exhaust gas flo	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 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 EPA N	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 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 55% (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 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/2 N EPA N <td>Optional voltage</td> <td></td> <td>Vdc</td>	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 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 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 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	Flywheel P.R.P. Power net	329.0	kW
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 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 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% (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.) Electronic regulator Precision class G3 Oil quantity Engine Antifreeze capacity Radiator type TR Heat from radiator Heat from exhaust Exhaust temperature Protata Raffreddamento Combustion air flow Exhaust gas flow TA Luft TA Luft/2 EPA Sada Casta Standard Standard Standard Standard Standard A3.7 KW A4.0 I Barra Standard I Barra Barra Standard I Barra Barra	Fuel Cons. at 75% (P.R.P.)	60.7	l/h
Electronic regulator Precision class G3 Oil quantity 34.0 Engine Antifreeze capacity 25.0 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 TA Luft TA Luft/2 EPA N	Fuel Cons. at 50% (P.R.P.)	41.0	l/h
Precision class Oil quantity Engine Antifreeze capacity Radiator type TR Heat from radiator Heat from exhaust Exhaust temperature Portata Raffreddamento TA Luft TA Luft TA Luft/2 EPA Sadiator type TR Heat from 197.9 kW 25.0 I 197.9 kW Exhaust temperature 197.9 kW Exhaust 197.9 kW	Fuel Cons. at 25% (P.R.P.)	22.1	l/h
Oil quantity Engine Antifreeze capacity Radiator type TR Heat from radiator Heat from exhaust Tan theat from radiation Exhaust temperature Tan the t	Electronic regulator	Standard	
Engine Antifreeze capacity Radiator type TR Heat from radiator Heat from exhaust Tan type Heat from radiator Heat from radiation Tan type Heat from radiator Find type Tan type Tan type Heat from radiator Tan type Tan type	Precision class	G3	
Radiator type TR Heat from radiator Heat from exhaust 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 EPA N	Oil quantity	34.0	I
Heat from radiator 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 65.0 m³/min TA Luft N TA Luft/2 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	EPA	N	
	Stage	N	

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