## **TECHNICAL DATASHEET BD 400 B**



EPA

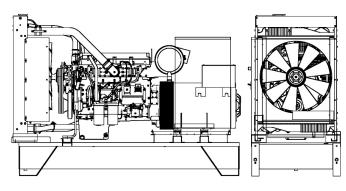
Stage

## **BD 400 B**





## **POWERFULL "B"**



Description         BAUDOUIN           Engine model         6M21G440/5           Cylinders         6           RPM speed         1500           Cubic capacity         12.54           Air intake         Turbocharged           Standard voltage         Vdc           Optional voltage         Vdc           Sae         1-14           BMEP         2584         kPa           Cooling         Water           Flywheel P.R.P. Power net         345.0         kW           Flywheel E.P. Power net         382.0         kW           Fuel Cons. at 100% (E.P.)         94.8         l/h           Fuel Cons. at 75% (P.R.P.)         63.5         l/h           Fuel Cons. at 50% (P.R.P.)         43.2         l/h           Fuel Cons. at 25% (P.R.P.)         23.4         l/h           Fluel Cons. at 25% (P.R.P.)         Standard	For illustrative purposes only		
Engine model 6M21G440/5  Cylinders 6  RPM speed 1500  Cubic capacity 12.54    Air intake Turbocharged  Standard voltage 24 Vdc  Optional voltage Vdc  Sae 1-14  BMEP 2584 kPa  Cooling Water  Flywheel P.R.P. Power net 345.0 kW  Flywheel E.P. Power net 382.0 kW  Fuel Cons. at 100% (E.P.) 94.8 l/h  Fuel Cons. at 75% (P.R.P.) 85.5 l/h  Fuel Cons. at 50% (P.R.P.) 43.2 l/h  Fuel Cons. at 25% (P.R.P.) 23.4 l/h  Electronic regulator Standard	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         2584         kPa           Cooling         Water         Flywheel P.R.P. Power net         345.0         kW           Flywheel E.P. Power net         382.0         kW           Fuel Cons. at 100% (E.P.)         94.8         I/h           Fuel Cons. at 100% (P.R.P.)         85.5         I/h           Fuel Cons. at 75% (P.R.P.)         63.5         I/h           Fuel Cons. at 25% (P.R.P.)         43.2         I/h           Fuel Cons. at 25% (P.R.P.)         23.4         I/h           Electronic regulator         Standard	Description	BAUDOUIN	
RPM speed 1500 Cubic capacity 12.54   I Air intake Turbocharged Standard voltage 24 Vdc Optional voltage Vdc Sae 1-14 BMEP 2584 kPa Cooling Water Flywheel P.R.P. Power net 345.0 kW Flywheel E.P. Power net 382.0 kW Fuel Cons. at 100% (E.P.) 94.8 l/h Fuel Cons. at 75% (P.R.P.) 85.5 l/h Fuel Cons. at 50% (P.R.P.) 43.2 l/h Fuel Cons. at 25% (P.R.P.) 23.4 l/h Electronic regulator Standard	Engine model	6M21G440/5	
Cubic capacity         12.54         I           Air intake         Turbocharged           Standard voltage         24         Vdc           Optional voltage         Vdc           Sae         1-14         Image: Cooling Standard Standard Standard Standard         Image: Cooling Standard Standard Standard Standard         Image: Cooling Standard Standard Standard         Image: Cooling Standard Standard         Image: Cooling Standard Standard         Image: Cooling Standard	Cylinders	6	
Air intake Turbocharged  Standard voltage 24 Vdc  Optional voltage Vdc  Sae 1-14  BMEP 2584 kPa  Cooling Water  Flywheel P.R.P. Power net 345.0 kW  Flywheel E.P. Power net 382.0 kW  Fuel Cons. at 100% (E.P.) 94.8 l/h  Fuel Cons. at 75% (P.R.P.) 85.5 l/h  Fuel Cons. at 50% (P.R.P.) 43.2 l/h  Fuel Cons. at 25% (P.R.P.) 23.4 l/h  Electronic regulator Standard	RPM speed	1500	
Standard voltage         24 Vdc           Optional voltage         Vdc           Sae         1-14           BMEP         2584 kPa           Cooling         Water           Flywheel P.R.P. Power net         345.0 kW           Flywheel E.P. Power net         382.0 kW           Fuel Cons. at 100% (E.P.)         94.8 l/h           Fuel Cons. at 100% (P.R.P)         85.5 l/h           Fuel Cons. at 75% (P.R.P.)         63.5 l/h           Fuel Cons. at 50% (P.R.P.)         43.2 l/h           Fuel Cons. at 25% (P.R.P.)         23.4 l/h           Electronic regulator         Standard	Cubic capacity	12.54	I
Optional voltage Vdc Sae 1-14  BMEP 2584 kPa Cooling Water  Flywheel P.R.P. Power net 345.0 kW  Flywheel E.P. Power net 382.0 kW  Fuel Cons. at 100% (E.P.) 94.8 l/h  Fuel Cons. at 100% (P.R.P) 85.5 l/h  Fuel Cons. at 75% (P.R.P.) 63.5 l/h  Fuel Cons. at 50% (P.R.P.) 43.2 l/h  Fuel Cons. at 25% (P.R.P.) 23.4 l/h  Electronic regulator Standard	Air intake	Turbocharged	
Sae       1-14         BMEP       2584 kPa         Cooling       Water         Flywheel P.R.P. Power net       345.0 kW         Flywheel E.P. Power net       382.0 kW         Fuel Cons. at 100% (E.P.)       94.8 l/h         Fuel Cons. at 100% (P.R.P)       85.5 l/h         Fuel Cons. at 75% (P.R.P.)       63.5 l/h         Fuel Cons. at 50% (P.R.P.)       43.2 l/h         Fuel Cons. at 25% (P.R.P.)       23.4 l/h         Electronic regulator       Standard	Standard voltage	24	Vdc
BMEP 2584 kPa  Cooling Water  Flywheel P.R.P. Power net 345.0 kW  Flywheel E.P. Power net 382.0 kW  Fuel Cons. at 100% (E.P.) 94.8 l/h  Fuel Cons. at 100% (P.R.P) 85.5 l/h  Fuel Cons. at 75% (P.R.P.) 63.5 l/h  Fuel Cons. at 50% (P.R.P.) 43.2 l/h  Fuel Cons. at 25% (P.R.P.) 23.4 l/h  Electronic regulator Standard	Optional voltage		Vdc
Cooling Water  Flywheel P.R.P. Power net 345.0 kW  Flywheel E.P. Power net 382.0 kW  Fuel Cons. at 100% (E.P.) 94.8 l/h  Fuel Cons. at 100% (P.R.P) 85.5 l/h  Fuel Cons. at 75% (P.R.P.) 63.5 l/h  Fuel Cons. at 50% (P.R.P.) 43.2 l/h  Fuel Cons. at 25% (P.R.P.) 23.4 l/h  Electronic regulator Standard	Sae	1-14	
Flywheel P.R.P. Power net 345.0 kW  Flywheel E.P. Power net 382.0 kW  Fuel Cons. at 100% (E.P.) 94.8 l/h  Fuel Cons. at 100% (P.R.P) 85.5 l/h  Fuel Cons. at 75% (P.R.P.) 63.5 l/h  Fuel Cons. at 50% (P.R.P.) 43.2 l/h  Fuel Cons. at 25% (P.R.P.) 23.4 l/h  Electronic regulator Standard	ВМЕР	2584	kPa
Flywheel E.P. Power net 382.0 kW Fuel Cons. at 100% (E.P.) 94.8 l/h Fuel Cons. at 100% (P.R.P) 85.5 l/h Fuel Cons. at 75% (P.R.P.) 63.5 l/h Fuel Cons. at 50% (P.R.P.) 43.2 l/h Fuel Cons. at 25% (P.R.P.) 23.4 l/h Electronic regulator Standard	Cooling	Water	
Fuel Cons. at 100% (E.P.)  Fuel Cons. at 100% (P.R.P)  Fuel Cons. at 75% (P.R.P.)  Fuel Cons. at 50% (P.R.P.)  Fuel Cons. at 25% (P.R.P.)  Electronic regulator  94.8 I/h  85.5 I/h  63.5 I/h  74.2 I/h  75.4 I/h  76.5 Electronic regulator  Standard	Flywheel P.R.P. Power net	345.0	kW
Fuel Cons. at 100% (P.R.P) 85.5 I/h Fuel Cons. at 75% (P.R.P.) 63.5 I/h Fuel Cons. at 50% (P.R.P.) 43.2 I/h Fuel Cons. at 25% (P.R.P.) 23.4 I/h Electronic regulator Standard	Flywheel E.P. Power net	382.0	kW
Fuel Cons. at 75% (P.R.P.) 63.5 I/h Fuel Cons. at 50% (P.R.P.) 43.2 I/h Fuel Cons. at 25% (P.R.P.) 23.4 I/h Electronic regulator Standard	Fuel Cons. at 100% (E.P.)	94.8	l/h
Fuel Cons. at 50% (P.R.P.)  Fuel Cons. at 25% (P.R.P.)  Electronic regulator  43.2 I/h  Standard	Fuel Cons. at 100% (P.R.P)	85.5	l/h
Fuel Cons. at 25% (P.R.P.)  Electronic regulator  Standard	Fuel Cons. at 75% (P.R.P.)	63.5	l/h
Electronic regulator Standard	Fuel Cons. at 50% (P.R.P.)	43.2	l/h
	Fuel Cons. at 25% (P.R.P.)	23.4	l/h
Precision class G3	Electronic regulator	Standard	
	Precision class	G3	
Oil quantity 32.0 I	Oil quantity	32.0	I
Engine Antifreeze capacity 25.0 I	Engine Antifreeze capacity	25.0	I
Radiator type TR	Radiator type	TR	
Heat from radiator 554.7 kW	Heat from radiator	554.7	kW
Heat from exhaust 0.0 kW	Heat from exhaust	0.0	kW
Heat from radiation 0.0 kW	Heat from radiation	0.0	kW
Exhaust temperature 580 °C	Exhaust temperature	580	°C
Portata Raffreddamento 398.0 m³/min	Portata Raffreddamento	398.0	m³/min
Combustion air flow 26.7 m³/min	Combustion air flow	26.7	m³/min
Exhaust gas flow 69.0 m³/min	Exhaust gas flow	69.0	m³/min
TA Luft N	TA Luft	N	
TA Luft/2 N	TA Luft/2	N	

MAIN DATA	
Continuous power (PRP)	<b>400.00</b> kVA
Continuous power (PRP)	<b>320.00</b> kW
Emergency power (E.P.)	<b>440.00</b> kVA
Emergency power (E.P.)	<b>352.00</b> kW
VAC - HZ - cos(fi)	400 - 50 - 0.8

DIMENSIONS AND WEIGHT		
Width	1300	mm
Length	3600	mm
Height	1920	mm
Weight	3250	kg

ALTERNATOR		
Description	STAMFORD	
Alternator model	S4L1D-F	
P.R.P. Power	415.0	kVA
E.P. Power	465.0	kVA
Connection	Series star	
Phases	3FN	
Winding	311	
Terminal Number	12	nr.
IP Protection	23	
Electronic regulator	AS440	
Precision	1.0	± %

BASEFRAME	
Model	T3
Standard tank	900 I
Optional tank	0
Oversized tank*	0 1

CANOPY & SILENCER		
Canopy model	SENZA COFANO	
Silencer model	MS 30	
Silencer outlet diameter	140.0 mm	1

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 ower 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.

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