TECHNICAL DATASHEET BD 500 B

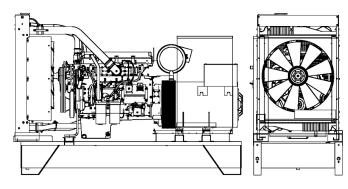


BD 500 B





POWERFULL "B"



MAIN DATA	
Continuous power (PRP)	500.00 kVA
Continuous power (PRP)	400.00 kW
Emergency power (E.P.)	520.00 kVA
Emergency power (E.P.)	416.00 kW
VAC - HZ - cos(fi)	400 - 50 - 0.8

DIMENSIONS AND WEIGHT

Width	1250	mm
Length	3205	mm
Height	2020	mm
Weight	3400	kg

ALTERNATOR		
Description	STAMFORD	
Alternator model	HCI5C	
P.R.P. Power	500.0	kVA
E.P. Power	520.0	kVA
Connection	Series star	
Phases	3FN	
Winding	311	
Terminal Number	12	nr.
IP Protection	23	
Electronic regulator	AS440	
Precision	1.0	± %
BASEFRAME		
Model	Т3	
Standard tank	900	I
Optional tank	0	I
Oversized tank*	0	I
CANOPY & SILENCER		
Canopy model	SENZA COFANO	
Silencer model	MS 45	

Silencer outlet diameter 219.0 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 IS08528-1. 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. He average power output over time must be lower than the percentages set by the engine manufacturer. Overloading is not allowed.

For illustrative purposes only

ENGINE

LINGINE		
Description	BAUDOUIN	
Engine model	6M21G550/5	
Cylinders	6	
RPM speed	1500	
Cubic capacity	12.54	I
Air intake	Turbocharged	
Standard voltage	24	Vdc
Optional voltage		Vdc
Sae	1-14	
BMEP	3126	kPa
Cooling	Water	
Flywheel P.R.P. Power net	438.0	kW
Flywheel E.P. Power net	478.0	kW
Fuel Cons. at 100% (E.P.)	123.1	l/h
Fuel Cons. at 100% (P.R.P)	109.5	l/h
Fuel Cons. at 75% (P.R.P.)	75.3	l/h
Fuel Cons. at 50% (P.R.P.)	51.0	l/h
Fuel Cons. at 25% (P.R.P.)	27.8	l/h
Electronic regulator	Standard	
Precision class	G3	
Oil quantity	38.0	I
Engine Antifreeze capacity	25.0	I.
Radiator type	TR	
Heat from radiator	321.9	kW
Heat from exhaust	386.4	kW
Heat from radiation	62.1	kW
Exhaust temperature	580	°C
Portata Raffreddamento	474.0	m³/min
Combustion air flow	34.8	m³/min
Exhaust gas flow	114.8	m³/min
TA Luft	Ν	
TA Luft/2	Ν	
EPA	Ν	
Stage	Ν	

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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