## **TECHNICAL DATASHEET BD 51 B**

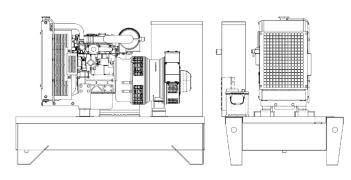


## **BD 51 B**





## **POWERFULL "B"**



MAIN DATA		
Continuous power (PRP)	63.00 kV	4
Continuous power (PRP)	<b>50.40</b> kW	
Emergency power (E.P.)	<b>69.00</b> kV	4
Emergency power (E.P.)	<b>55.20</b> kW	
VAC - HZ - cos(fi)	220 - 60 - 0.8	

## **DIMENSIONS AND WEIGHT**

For illustrative purposes only

ENGINE	_	_
	DALIDOLIN	
Description	BAUDOUIN	
Engine model	4M06G10D0/S	
Cylinders	4	
RPM speed	1800	
Cubic capacity	2.30	I
Air intake	Turbocharged	
Standard voltage	12	Vdc
Optional voltage		Vdc
Sae	3-11½	
BMEP	1826	kPa
Cooling	Water	
Flywheel P.R.P. Power net	55.2	kW
Flywheel E.P. Power net	60.2	kW
Fuel Cons. at 100% (E.P.)	15.8	l/h
Fuel Cons. at 100% (P.R.P)	14.4	l/h
Fuel Cons. at 75% (P.R.P.)	10.7	l/h
Fuel Cons. at 50% (P.R.P.)	7.6	l/h
Fuel Cons. at 25% (P.R.P.)	4.3	l/h
Electronic regulator	Standard	
Precision class	G2	
Oil quantity	9.2	I
Engine Antifreeze capacity	5.0	1
Radiator type	TR	
Heat from radiator	0.0	kW
Heat from exhaust	0.0	kW
Heat from radiation	0.0	kW
Exhaust temperature	550	°C
Portata Raffreddamento	130.0	m³/min
Combustion air flow	3.9	m³/min
Exhaust gas flow	12.5	m³/min
TA Luft	N	
TA Luft/2	N	
EPA	N	
Stage	N	

ALTERNATOR		
Description	STAMFORD	
Alternator model	UCI224E	
P.R.P. Power	70.0	kVA
E.P. Power	75.0	kVA
Connection	Parallel star	
Phases	3FN	
Winding	311	
Terminal Number	12	nr.
IP Protection	23	
Electronic regulator	AS440	
Precision	1.0	± %

BASEFRAME	
Model	T1
Standard tank	160 I
Optional tank	0
Oversized tank*	0

CANOPY & SILENCER		
Canopy model	SENZA COFANO	
Silencer model	MS 12	
Silencer outlet diameter	60.0	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.