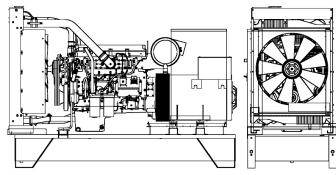
## **TECHNICAL DATASHEET P 500 B**





## **POWERFULL "B"**



P 500 B

MAIN DATA		
Continuous power (PRP)	500.00 kVA	
Continuous power (PRP)	400.00 kW	
Emergency power (E.P.)	546.00 kVA	
Emergency power (E.P.)	436.80 kW	
VAC - HZ - cos(fi)	380 - 50 - 0.8	

## **DIMENSIONS AND WEIGHT**

1260	mm
3260	mm
2200	mm
3970	kg
	1260 3260 2200 3970

ALTERNATOR		
Description	MECC ALTE	
Alternator model	ECO40-3S/4	
P.R.P. Power	500.0	kVA
E.P. Power	546.0	kVA
Connection	Series star	
Phases	3FN	
Winding	12STD	
Terminal Number	12	nr.
IP Protection	23	
Electronic regulator	DER-1	
Precision	1.0	± %
BASEFRAME		
Model	Т3	
Standard tank	900	
Optional tank	0	I
Oversized tank*	0	I
CANOPY & SILENCER		
Canopy model	SENZA COFANO	
Silencer model	MS 35	

earlopy model	SERERCOOTTATO
Silencer model	MS 35
Silencer outlet diameter	168.0 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 bisortional. Fuel consumption is nonlinear and release to specific weight operations, so the 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 environmental conditions stated by the Manufacturer. According to ISUBS28-1. 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 by the engine

EPA	Ν	average power output over time must be lower than the percentages set by the engine manufacturer. Overloading is not allowed.
Stage	Ν	
		standard equipped model and is not binding. Visa S.p.A. reserves the licy of continuous product development and improvement.

For illustrative purposes only

## ENGINE

ENGINE		
Description	PERKINS	
Engine model	2506A-E15TAG2	
Cylinders	6	
RPM speed	1500	
Cubic capacity	15.20	
Air intake	Turbocharged	
Standard voltage	24	Vdc
Optional voltage		Vdc
Sae	1/2-14	
BMEP	2405	kPa
Cooling	Water	
Flywheel P.R.P. Power net	435.0	kW
Flywheel E.P. Power net	478.0	kW
Fuel Cons. at 100% (E.P.)	111.0	l/h
Fuel Cons. at 100% (P.R.P)	100.0	l/h
Fuel Cons. at 75% (P.R.P.)	76.0	l/h
Fuel Cons. at 50% (P.R.P.)	53.0	l/h
Fuel Cons. at 25% (P.R.P.)	0.0	l/h
Electronic regulator	Standard	
Precision class	G3	
Oil quantity	62.0	I
Engine Antifreeze capacity	58.0	1
Radiator type	TR	
Heat from radiator	147.0	kW
Heat from exhaust	308.0	kW
Heat from radiation	31.2	kW
Exhaust temperature	550	°C
Portata Raffreddamento	722.0	m³/min
Combustion air flow	35.8	m³/min
Exhaust gas flow	94.0	m³/min
TA Luft	Ν	
TA Luft/2	Ν	
EPA	Ν	
Stage	Ν	

VISA S.p.A. s.u. - ITALY- CERTIFIED ISO 9001-2015, 14001-2015, 3834 and EN 1090 - www.visa.it

Visa S.p.A. s.u. is subject to management and coordination of IPG S.p.A., via dei Mercanti 12 - Milano Company registration Office n. 12616930967