## **TECHNICAL DATASHEET V 590 B**

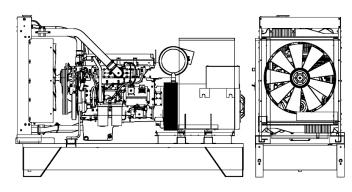


# V 590 B





## **POWERFULL "B"**



MAIN DATA	
Continuous power (PRP)	625.00 kVA
Continuous power (PRP)	500.00 kW
Stand-by power (LTP)	687.00 kVA
Stand-by power (LTP)	549.60 kW
VAC - HZ - cos(fi)	208 - 60 - 0.8

### **DIMENSIONS AND WEIGHT**

Width	1390	mm
Length	3350	mm
Height	2300	mm
Weight	0	kg

ALTERNATOR		
Description	MECC ALTE	
Alternator model	ECO40-2L/4	
P.R.P. Power	720	kVA
L.T.P. Power	778	kVA
Connection	Parallel star	
Phases	3FN	
Winding	12STD	
Terminal Number	12	nr.
IP Protection	23	
Electronic regulator	DER-1	
Precision	1	± %
BASEFRAME		
Model	Т3	
Standard tank	900	I
Optional tank	0	I
Oversized tank*	0	I
CANOPY & SILENCER		
Canopy model	SENZA COFANO	

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Silencer model	MS 35
Silencer outlet diameter	168 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. L.T.P. Limited-time running power-Limited power: The maximum power that a genset can supply for a limited time respecting the maintenance intervals established in the environmental conditions stated by the Manufacturer according to ISO 8528-1. The number of hours per year is stated by the Manufacturer. Overload is not permitted.

For illustrative purposes only

#### ENGINE

Entonie		
Description	VOLVO-PENTA	
Engine model	TAD1642GE-B	
Cylinders	6	
RPM speed	1800	
Cubic capacity	16.12	I
Air intake	Turbocharged	
Standard voltage	24	Vdc
Optional voltage		Vdc
Sae	1-14	
BMEP	2500	kPa
Cooling	Water	
Flywheel P.R.P. Power net	532.0	kW
Flywheel Stand-by Power net	585.0	kW
Fuel Cons. at 100% (L.T.P.)	152.5	l/h
Fuel Cons. at 100% (P.R.P)	148.9	l/h
Fuel Cons. at 75% (P.R.P.)	111.5	l/h
Fuel Cons. at 50% (P.R.P.)	68.5	l/h
Fuel Cons. at 25% (P.R.P.)	37.8	l/h
Electronic regulator	Standard	
Precision class	G3	
Oil quantity	48.0	I
Engine Antifreeze capacity	33.0	I
Radiator type	TR	
Heat from radiator	145.0	kW
Heat from exhaust	439.0	kW
Heat from radiation	20.0	kW
Exhaust temperature	468	°C
Portata Raffreddamento	516.0	m³/min
Combustion air flow	0.0	m³/min
Exhaust gas flow	108.9	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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