## **TECHNICAL DATASHEET V 590 B**

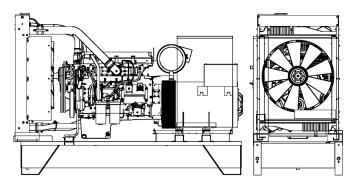


V 590 B





## **POWERFULL "B"**



MAIN DATA	
Continuous power (PRP)	625.00 kVA
Continuous power (PRP)	500.00 kW
Emergency power (E.P.)	687.00 kVA
Emergency power (E.P.)	549.60 kW
VAC - HZ - cos(fi)	460 - 60 - 0.8

## **DIMENSIONS AND WEIGHT**

1390	mm
3500	mm
2300	mm
4100	kg
	1390 3500 2300 4100

ALTERNATOR		
Description	STAMFORD	
Alternator model	HCI5E	
P.R.P. Power	731.0	kVA
E.P. Power	798.0	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 35	

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 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

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 E.P. Power net	585.0	kW
Fuel Cons. at 100% (E.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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