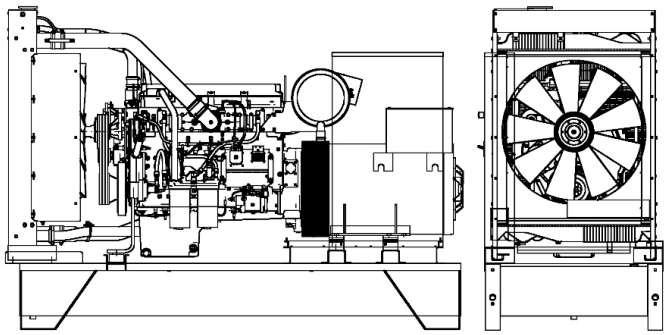
TECHNICAL DATASHEET V 650 B

V 650 B

POWERFULL “B”



For illustrative purposes only

MAIN DATA

Continuous power (PRP)	**685.00**	kVA
Continuous power (PRP)	**548.00**	kW
Emergency power (E.P.)	**750.00**	kVA
Emergency power (E.P.)	**600.00**	kW
VAC - HZ - cos(fi)	**220 - 60 - 0.8**	

DIMENSIONS AND WEIGHT

Width	1350	mm
Length	3530	mm
Height	2300	mm
Weight	4420	kg

ENGINE

Description	VOLVO-PENTA	
Engine model	TWD1644GE	
Cylinders	6	
RPM speed	1800	
Cubic capacity	16.12	l
Air intake	Turbocharged	
Standard voltage	24	Vdc
Optional voltage		Vdc
Sae	1-14	
BMEP	2550	kPa
Cooling	Water	
Flywheel P.R.P. Power net	582.0	kW
Flywheel E.P. Power net	640.0	kW
Fuel Cons. at 100% (E.P.)	158.9	l/h
Fuel Cons. at 100% (P.R.P)	145.9	l/h
Fuel Cons. at 75% (P.R.P.)	109.5	l/h
Fuel Cons. at 50% (P.R.P.)	74.8	l/h
Fuel Cons. at 25% (P.R.P.)	43.1	l/h
Electronic regulator	Standard	
Precision class	G3	
Oil quantity	48.0	l
Engine Antifreeze capacity	25.0	l
Radiator type	TR	
Heat from radiator	393.0	kW
Heat from exhaust	495.0	kW
Heat from radiation	24.0	kW
Exhaust temperature	495	°C
Portata Raffreddamento	738.0	m³/min
Combustion air flow	46.7	m³/min
Exhaust gas flow	114.5	m³/min
TA Luft	N	
TA Luft/2	N	
EPA	N	
Stage	N	

ALTERNATOR

Description	STAMFORD	
Alternator model	HCI5E	
P.R.P. Power	713.0	kVA
E.P. Power	769.0	kVA
Connection	Parallel star	
Phases	3FN	
Winding	311	
Terminal Number	12	nr.
IP Protection	23	
Electronic regulator	AS440	
Precision	1.0	± %

BASEFRAME

Model	T3	
Standard tank	900	l
Optional tank	0	l
Oversized tank*	0	l

CANOPY & SILENCER

Canopy model	SENZA COFANO	
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 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.