TECHNICAL DATASHEET DS 745 B

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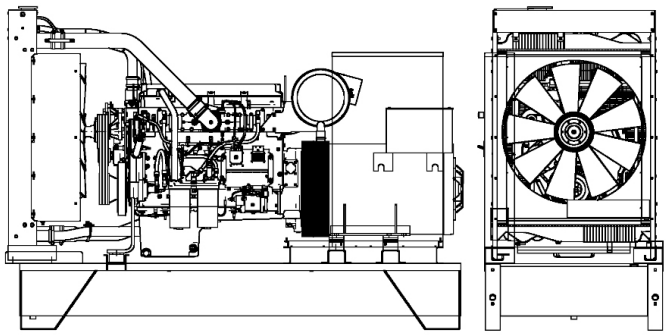
POWERFULL “B”



For illustrative purposes only

MAIN DATA

Continuous power (PRP)	**750.00**	kVA
Continuous power (PRP)	**600.00**	kW
Emergency power (E.P.)	**830.00**	kVA
Emergency power (E.P.)	**664.00**	kW
VAC - HZ - cos(fi)	**380 - 50 - 0.8**	

ENGINE

Description	HYUNDAI(DOOSAN)	
Engine model	DP222LCF	
Cylinders	12	
RPM speed	1500	
Cubic capacity	21.93	l
Air intake	Turbocharged	
Standard voltage	24	Vdc
Optional voltage		Vdc
Sae	1-14	
BMEP	2390	kPa
Cooling	Water	
Flywheel P.R.P. Power net	633.0	kW
Flywheel E.P. Power net	699.0	kW
Fuel Cons. at 100% (E.P.)	172.8	l/h
Fuel Cons. at 100% (P.R.P)	161.0	l/h
Fuel Cons. at 75% (P.R.P.)	119.1	l/h
Fuel Cons. at 50% (P.R.P.)	79.3	l/h
Fuel Cons. at 25% (P.R.P.)	42.1	l/h
Electronic regulator	Standard	
Precision class	G3	
Oil quantity	42.0	l
Engine Antifreeze capacity	23.0	l
Radiator type	TR	
Heat from radiator	406.0	kW
Heat from exhaust	609.0	kW
Heat from radiation	62.0	kW
Exhaust temperature	502	°C
Portata Raffreddamento	860.0	m³/min
Combustion air flow	45.0	m³/min
Exhaust gas flow	108.0	m³/min
TA Luft	N	
TA Luft/2	N	
EPA	N	
Stage	N	

DIMENSIONS AND WEIGHT

Width	1410	mm
Length	3630	mm
Height	2370	mm
Weight	4640	kg

ALTERNATOR

Description	STAMFORD	
Alternator model	S6L1D-C	
P.R.P. Power	800.0	kVA
E.P. Power	850.0	kVA
Connection	Star	
Phases	3FN	
Winding	312	
Terminal Number	6	nr.
IP Protection	23	
Electronic regulator	MX322	
Precision	0.5	± %

BASEFRAME

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

CANOPY & SILENCER

Canopy model	SENZA COFANO	
Silencer model	MS 30	
Silencer outlet diameter	140.0	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.