# **TECHNICAL DATASHEET DS 745 B**

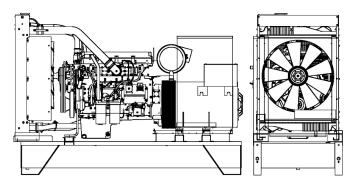


**DS 745 B** 





## **POWERFULL "B"**



MAIN DATA	
Continuous power (PRP)	840.00 kVA
Continuous power (PRP)	672.00 kW
Emergency power (E.P.)	930.00 kVA
Emergency power (E.P.)	744.00 kW
VAC - HZ - cos(fi)	480 - 60 - 0.8

### **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	1000.0	kVA
E.P. Power	1088.0	kVA
Connection	Star	
Phases	3FN	
Winding	312	
Terminal Number	6	nr.
IP Protection	23	
Electronic regulator	MX322	
Precision	0.5	± %
BASEFRAME		
Model	Т3	
Standard tank	900	I
Optional tank	0	1
Oversized tank*	0	I
CANOPY & SILENCER		
Canopy model	SENZA COFANO	
Silencer model	MS 30	

#### 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.

For illustrative purposes only

#### ENGINE

Description	HYUNDAI(DOOSAN)	
Engine model	DP222LCF	
Cylinders	12	
RPM speed	1800	
Cubic capacity	21.93	I
Air intake	Turbocharged	
Standard voltage	24	Vdc
Optional voltage		Vdc
Sae	1-14	
BMEP	2290	kPa
Cooling	Water	
Flywheel P.R.P. Power net	715.0	kW
Flywheel E.P. Power net	790.0	kW
Fuel Cons. at 100% (E.P.)	203.8	l/h
Fuel Cons. at 100% (P.R.P)	183.2	l/h
Fuel Cons. at 75% (P.R.P.)	134.4	l/h
Fuel Cons. at 50% (P.R.P.)	91.3	l/h
Fuel Cons. at 25% (P.R.P.)	49.1	l/h
Electronic regulator	Standard	
Precision class	G3	
Oil quantity	42.0	I
Engine Antifreeze capacity	23.0	1
Radiator type	TR	
Heat from radiator	479.0	kW
Heat from exhaust	718.0	kW
Heat from radiation	73.0	kW
Exhaust temperature	493	°C
Portata Raffreddamento	1050.0	m³/min
Combustion air flow	58.6	m³/min
Exhaust gas flow	130.0	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.

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