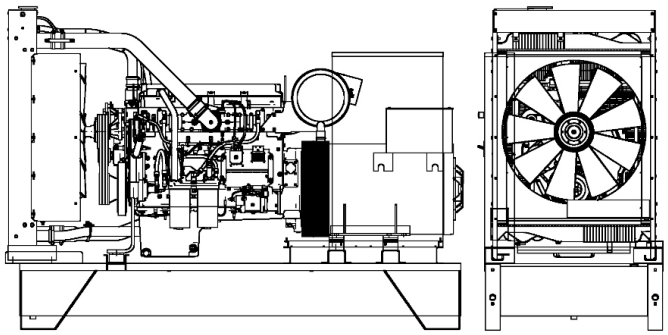
TECHNICAL DATASHEET DS 635 B

DS 635 B

POWERFULL “B”



For illustrative purposes only

MAIN DATA

Continuous power (PRP)	**640.00**	kVA
Continuous power (PRP)	**512.00**	kW
Emergency power (E.P.)	**708.00**	kVA
Emergency power (E.P.)	**566.40**	kW
VAC - HZ - cos(fi)	**380 - 50 - 0.8**	

DIMENSIONS AND WEIGHT

Width	1410	mm
Length	3440	mm
Height	2150	mm
Weight	4200	kg

ENGINE

Description	HYUNDAI(DOOSAN)	
Engine model	DP180LBF	
Cylinders	10	
RPM speed	1500	
Cubic capacity	18.27	l
Air intake	Turbocharged	
Standard voltage	24	Vdc
Optional voltage		Vdc
Sae	1-14	
BMEP	2440	kPa
Cooling	Water	
Flywheel P.R.P. Power net	540.0	kW
Flywheel E.P. Power net	596.0	kW
Fuel Cons. at 100% (E.P.)	149.5	l/h
Fuel Cons. at 100% (P.R.P)	136.4	l/h
Fuel Cons. at 75% (P.R.P.)	103.8	l/h
Fuel Cons. at 50% (P.R.P.)	71.2	l/h
Fuel Cons. at 25% (P.R.P.)	38.6	l/h
Electronic regulator	Standard	
Precision class	G3	
Oil quantity	36.0	l
Engine Antifreeze capacity	21.0	l
Radiator type	TR	
Heat from radiator	405.0	kW
Heat from exhaust	561.0	kW
Heat from radiation	57.0	kW
Exhaust temperature	587	°C
Portata Raffreddamento	700.0	m³/min
Combustion air flow	36.0	m³/min
Exhaust gas flow	118.0	m³/min
TA Luft	N	
TA Luft/2	N	
EPA	N	
Stage	N	

ALTERNATOR

Description	STAMFORD	
Alternator model	HCI5F	
P.R.P. Power	670.0	kVA
E.P. Power	738.0	kVA
Connection	Series 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 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.