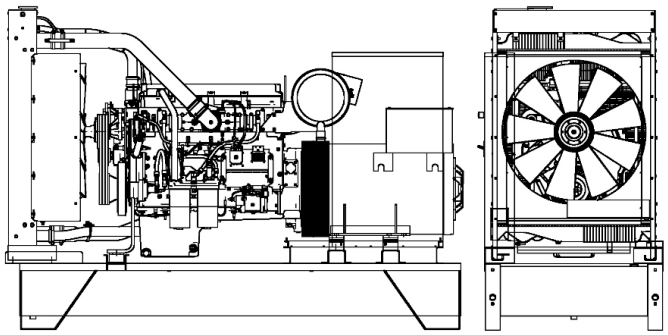
TECHNICAL DATASHEET DS 505 B

DS 505 B

POWERFULL “B”



For illustrative purposes only

ENGINE

Description	DOOSAN	
Engine model	DP158LDF	
Cylinders	8	
RPM speed	1800	
Cubic capacity	14.62	l
Air intake	Turbocharged	
Standard voltage	24	Vdc
Optional voltage		Vdc
Sae	1-14	
BMEP	2300	kPa
Cooling	Water	
Flywheel P.R.P. Power net	482.0	kW
Flywheel Stand-by Power net	533.0	kW
Fuel Cons. at 100% (L.T.P.)	0.0	l/h
Fuel Cons. at 100% (P.R.P)	127.1	l/h
Fuel Cons. at 75% (P.R.P.)	92.9	l/h
Fuel Cons. at 50% (P.R.P.)	62.3	l/h
Fuel Cons. at 25% (P.R.P.)	35.2	l/h
Electronic regulator	Standard	
Precision class	G3	
Oil quantity	24.0	l
Engine Antifreeze capacity	59.0	l
Radiator type	TR	
Heat from radiator	328.0	kW
Heat from exhaust	492.0	kW
Heat from radiation	50.0	kW
Exhaust temperature	567	°C
Portata Raffreddamento	850.0	m³/min
Combustion air flow	36.6	m³/min
Exhaust gas flow	108.0	m³/min
TA Luft	N	
TA Luft/2	N	
EPA	N	
Stage	N	

MAIN DATA

Continuous power (PRP)	**565.00**	kVA
Continuous power (PRP)	**452.00**	kW
Stand-by power (LTP)	**620.00**	kVA
Stand-by power (LTP)	**496.00**	kW
VAC - HZ - cos(fi)	**380 - 60 - 0.8**	

DIMENSIONS AND WEIGHT

Width	1410	mm
Length	3210	mm
Height	2110	mm
Weight	3950	kg

ALTERNATOR

Description	STAMFORD	
Alternator model	HCI5F	
P.R.P. Power	673	kVA
L.T.P. Power	738	kVA
Connection	Series star	
Phases	3FN	
Winding	311	
Terminal Number	12	nr.
IP Protection	23	
Electronic regulator	AS440	
Precision	1	± %

BASEFRAME

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

CANOPY & SILENCER

Canopy model	SENZA COFANO	
Silencer model	MSR/a 125	
Silencer outlet diameter	140	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.

L.T.P. Limited-time running power-Limited power: The maximum power that a genset can supply for a limited time respecting the maintenance intervals established in the environmental conditions stated by the Manufacturer according to ISO 8528-1.The number of hours per year is stated by the Manufacturer. Overload is not permitted.