


**POWERFULL "B"**


For illustrative purposes only

**ENGINE**

Engine brand	DOOSAN
Engine model	DP158LDF
Cylinders	8
Speed	1500 r.p.m.
Cubic capacity	14.62 l
Air intake	Turbocharged
Standard voltage	24 Vdc
Optional voltage	Vdc
Sae	1-14
BMEP	2530 kPa
Cooling	Water
Flywheel P.R.P. Power	448.0 kW
Flywheel Stand-by Power	494.0 kW
Fuel Cons. at 100% (L.T.P.)	0.0 l/h
Fuel Cons. at 100% (P.R.P.)	115.1 l/h
Fuel Cons. at 75% (P.R.P.)	83.4 l/h
Fuel Cons. at 50% (P.R.P.)	55.1 l/h
Fuel Cons. at 25% (P.R.P.)	30.3 l/h
Electronic regulator	Standard
Precision class	G3
Oil quantity	24.0 l
Engine Antifreeze capacity	59.0 l
Radiator type	Temperate
Heat from radiator	300.0 kW
Heat from exhaust	450.0 kW
Heat from radiation	46.0 kW
Exhaust temperature	561 °C
Cooling air flow	700.00 m <sup>3</sup> /min
Combustion air flow	33.10 m <sup>3</sup> /min
Exhaust gas flow	98.00 m <sup>3</sup> /min
TA Luft	Not available
TA Luft/2	Not available
EPA	Not available
Stage	Not available

**MAIN DATA**

Continuous power (PRP)	500.0 (kVA)
Continuous power (PRP)	400.0 (kW)
Stand-by power (LTP)	546.0 (kVA)
Stand-by power (LTP)	436.8 (kW)
Voltage • Frequency • Power Factor	400V • 50Hz • 0.8 cosφ
Sound pressure 7 m.	0.0 dBA

**DIMENSIONS AND WEIGHT**

Width	1410 mm
Length	3040 mm
Height	2110 mm
Weight	3400 kg

**ALTERNATOR**

Alternator brand	MECC ALTE
Alternator model	ECO40-3S/4
P.R.P. Power	500.0 kVA
L.T.P. Power	546.0 kVA
Connection	Parallel star
Phases	3PH+N
Winding	12 terminals 800 V
Terminal Number	12 nr.
IP Protection	23
Electronic regulator	DER-1
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.

**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.

