TECHNICAL DATASHEET M 1280 S

M 1280 S

POWERFULL “S”

For illustrative purposes only

ENGINE

Description	MITSUBISHI	
Engine model	S12R-PTA	
Cylinders	12	
RPM speed	1500	
Cubic capacity	49.03	l
Air intake	Turbocharged	
Standard voltage	24	Vdc
Optional voltage		Vdc
Sae	00-21	
BMEP	1814	kPa
Cooling	Water	
Flywheel P.R.P. Power net	1110.0	kW
Flywheel E.P. Power net	1220.0	kW
Fuel Cons. at 100% (E.P.)	294.0	l/h
Fuel Cons. at 100% (P.R.P)	269.0	l/h
Fuel Cons. at 75% (P.R.P.)	203.0	l/h
Fuel Cons. at 50% (P.R.P.)	151.0	l/h
Fuel Cons. at 25% (P.R.P.)	93.0	l/h
Electronic regulator	Standard	
Precision class	G3	
Oil quantity	180.0	l
Engine Antifreeze capacity	125.0	l
Radiator type	TE	
Heat from radiator	648.0	kW
Heat from exhaust	758.0	kW
Heat from radiation	77.8	kW
Exhaust temperature	0	°C
	0.0	
Combustion air flow	89.0	m³/min
Exhaust gas flow	235.0	m³/min
TA Luft	N	
TA Luft/2	N	
EPA	N	
Stage	N	

MAIN DATA

Continuous power (PRP)	**1280.00**	kVA
Continuous power (PRP)	**1024.00**	kW
Emergency power (E.P.)	**1400.00**	kVA
Emergency power (E.P.)	**1120.00**	kW
VAC - HZ - cos(fi)	**380 - 50 - 0.8**	
Sound pressure 7 m.	**78.0**	dBA

DIMENSIONS AND WEIGHT

Width	2200	mm
Length	8600	mm
Height	3400	mm
Weight	15000	kg

ALTERNATOR

Description	MECC ALTE	
Alternator model	ECO43 2L4 A	
P.R.P. Power	1300.0	kVA
E.P. Power	1420.0	kVA
Connection	Parallel star	
Phases	3FN	
Winding	12_800V	
Terminal Number	12	nr.
IP Protection	23	
Electronic regulator	DER-1	
Precision	1.0	± %

BASEFRAME

Model	ST60	
Standard tank	0	l
Optional tank	0	l
Oversized tank*	0	l

CANOPY & SILENCER

Canopy model	C60	
Silencer model	MSR/a 200	
Silencer outlet diameter	219.0	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.