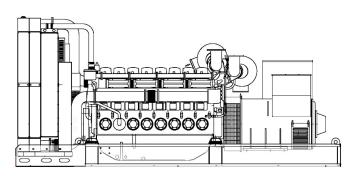
## **TECHNICAL DATASHEET M 1280 U**

www



M 1280 U

## POWERFULL "U"



For illustrative purposes only

## ENGINE

ENGINE		l
Description	MITSUBISHI	
Engine model	S12R-PTA	
Cylinders	12	
RPM speed	1500	
Cubic capacity	49.03	I
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	1
Engine Antifreeze capacity	125.0	I
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	Ν	
TA Luft/2	Ν	
EPA	Ν	
Stage	Ν	

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)	415 - 50 - 0.8

## **DIMENSIONS AND WEIGHT**

Width	2000	mm
Length	4530	mm
Height	2242	mm
Weight	11000	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	I
Optional tank	0	I
Oversized tank*	0	I
CANOPY & SILENCER		
Canopy model	SENZA COFANO	
Silencer model	MS 55	

Silencer outlet diameter 324.0 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 stated by the Manufacturer. **E.P. - Emergency power:** This is the maximum power that a generating set can eliver 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 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 manufacturer. Overloading is not allowed.

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.

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