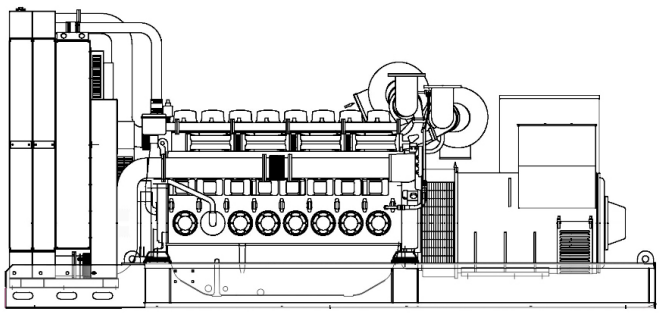
POWERFULL - M 1280 U

POWERFULL “U”



For illustrative purposes only

ENGINE

Engine brand	MITSUBISHI	
Engine model	S12R-PTA	
Cylinders	12	
Speed	1500	r.p.m.
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	1080.0	kW
Flywheel Stand-by Power	1190.0	kW
Fuel Cons. at 100% (L.T.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	248.0	l
Radiator type	Temperate	
Heat from radiator	648.0	kW
Heat from exhaust	758.0	kW
Heat from radiation	77.8	kW
Exhaust temperature	0	°C
Cooling air flow	1800.00	m³/min
Combustion air flow	89.00	m³/min
Exhaust gas flow	235.00	m³/min
TA Luft	Standard	
TA Luft/2	Not available	
EPA	Not available	
Stage	Not available	

MAIN DATA

Continuous power (PRP)	1260.0	(kVA)
Continuous power (PRP)	1008.0	(kW)
Stand-by power (LTP)	1350.0	(kVA)
Stand-by power (LTP)	1080.0	(kW)
Voltage • Frequency • Power Factor	**400V •50Hz • 0.8 cosφ**	

DIMENSIONS AND WEIGHT

Width	2000	mm
Length	4530	mm
Height	2242	mm
Weight	11000	kg

ALTERNATOR

Alternator brand	STAMFORD	
Alternator model	PI734A	
P.R.P. Power	1260.0	kVA
L.T.P. Power	1350.0	kVA
Connection	Star	
Phases	3P+N	
Winding	6 terminals winding 312	
Terminal Number	6	nr.
IP Protection	23	
Electronic regulator	MX341	
Precision	1.0	± %

BASEFRAME

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

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 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.

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.