TECHNICAL DATASHEET M 2000 U

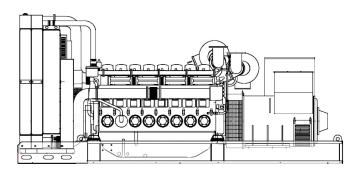


M 2000 U





POWERFULL "U"



For illustrative purposes only

ENGINE MITSUBISHI Engine model \$16R-PTAA2 Cylinders 16 RPM speed 1500 Cubic capacity 65.37 Air intake Turbocharged Standard voltage 24 Vdc Optional voltage vdc Sae 00-21 BMEP Cooling Water Flywheel P.R.P. Power net 1683.7 kW Flywheel P.R.P. Power net 1894.7 kW Fuel Cons. at 100% (E.P.) 472.0 l/h Fuel Cons. at 50% (P.R.P.) 319.0 l/h Fuel Cons. at 55% (P.R.P.) 319.0 l/h Fuel Cons. at 25% (P.R.P.) 319.0 l/h Fuel Cons. at 25% (P.R.P.) 30.0 l Fuel Cons. at 25% (P.R.P.) 319.0 l/h Fuel Cons. at 25% (P.R.P.) 30.0 l Fuel Cons. at 25% (P.R.	Tor mustrative purposes only		
Engine model S16R-PTAA2 Cylinders 16 RPM speed 1500 Cubic capacity 65.37 Air intake Turbocharged Standard voltage 24 Vdc Optional voltage Vdc Sae 00-21 BMEP 2060 kPa Cooling Water Flywheel P.R.P. Power net 1683.7 kW Flywheel E.P. Power net 1894.7 kW Fuel Cons. at 100% (E.P.) 472.0 /h Fuel Cons. at 100% (P.R.P) 319.0 /h Fuel Cons. at 55% (P.R.P.) 319.0 /h Fuel Cons. at 55% (P.R.P.) 226.0 /h Fuel Cons. at 25% (P.R.P.) 130.0 /h Electronic regulator Standard Precision class G3 Oil quantity 230.0 Engine Antifreeze capacity 170.0 Radiator type TE Heat from radiator 536.0 kW Heat from exhaust 1284.0 kW Exhaust temperature 0 °C Portata Raffreddamento 2500.0 m³/min Combustion air flow 141.0 m³/min Exhaust gas flow 374.0 m³/min TA Luft N TA Luft/2 N	ENGINE		
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Cubic capacity 65.37 I Air intake Turbocharged Vdc Standard voltage 24 Vdc Optional voltage Vdc Vdc Sae 00-21 BMEP 2060 kPa Cooling Water Flywheel P.R.P. Power net 1683.7 kW Flywheel E.P. Power net 1894.7 kW Fuel Cons. at 100% (E.P.) 472.0 I/h Fuel Cons. at 100% (P.R.P) 419.0 I/h Fuel Cons. at 75% (P.R.P.) 319.0 I/h Fuel Cons. at 50% (P.R.P.) 226.0 I/h Fuel Cons. at 25% (P.R.P.) 130.0 I/h <	Cylinders	16	
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BMEP 2060 kPa Cooling Water Flywheel P.R.P. Power net 1683.7 kW Flywheel E.P. Power net 1894.7 kW Fuel Cons. at 100% (E.P.) 472.0 l/h Fuel Cons. at 100% (P.R.P) 419.0 l/h Fuel Cons. at 50% (P.R.P.) 319.0 l/h Fuel Cons. at 25% (P.R.P.) 130.0 l/h Fuel Cons. at 25% (P.R.P.) 130.0 l/h Electronic regulator Standard Precision class G3 Oil quantity 230.0 l Engine Antifreeze capacity 170.0 l Radiator type TE Heat from radiator 536.0 kW Heat from exhaust 1284.0 kW Heat from radiation 124.0 kW Exhaust temperature 0 °C C Portata Raffreddamento 2500.0 m³/min Exhaust gas flow 374.0 m³/min TA Luft N TA Luft/2 N EPA N	Optional voltage		Vdc
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Flywheel E.P. Power net 1894.7 kW Fuel Cons. at 100% (E.P.) 472.0 l/h Fuel Cons. at 100% (P.R.P) 419.0 l/h Fuel Cons. at 75% (P.R.P.) 319.0 l/h Fuel Cons. at 50% (P.R.P.) 226.0 l/h Fuel Cons. at 25% (P.R.P.) 130.0 l/h Fuel Cons. at 25% (P.R.P.) 130.0 l/h Electronic regulator Standard Precision class G3 Oil quantity 230.0 l Engine Antifreeze capacity 170.0 l Radiator type TE Heat from radiator 536.0 kW Heat from exhaust 124.0 kW Exhaust temperature 0 °C Portata Raffreddamento 2500.0 m³/min Combustion air flow 141.0 m³/min Exhaust gas flow 374.0 m³/min TA Luft N TA Luft/2 N EPA N	Cooling	Water	
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Fuel Cons. at 100% (P.R.P) 419.0 l/h Fuel Cons. at 75% (P.R.P.) 319.0 l/h Fuel Cons. at 50% (P.R.P.) 226.0 l/h Fuel Cons. at 25% (P.R.P.) 130.0 l/h Electronic regulator Standard Precision class G3 Oil quantity 230.0 l Engine Antifreeze capacity 170.0 l Radiator type TE Heat from radiator 536.0 kW Heat from exhaust 1284.0 kW Heat from radiation 124.0 kW Exhaust temperature 0 °C Portata Raffreddamento 2500.0 m³/min Combustion air flow 141.0 m³/min Exhaust gas flow 374.0 m³/min TA Luft N TA Luft/2 N EPA N	Flywheel E.P. Power net	1894.7	kW
Fuel Cons. at 75% (P.R.P.) 319.0 l/h Fuel Cons. at 50% (P.R.P.) 226.0 l/h Fuel Cons. at 25% (P.R.P.) 130.0 l/h Electronic regulator Standard Precision class G3 Oil quantity 230.0 l Engine Antifreeze capacity 170.0 l Radiator type TE Heat from radiator 536.0 kW Heat from exhaust 1284.0 kW Exhaust temperature 0 °C Portata Raffreddamento 2500.0 m³/min Combustion air flow 141.0 m³/min Exhaust gas flow 374.0 m³/min TA Luft N TA Luft/2 N EPA N	Fuel Cons. at 100% (E.P.)	472.0	l/h
Fuel Cons. at 50% (P.R.P.) 226.0 l/h Fuel Cons. at 25% (P.R.P.) 130.0 l/h Electronic regulator Standard Precision class G3 Oil quantity 230.0 l Engine Antifreeze capacity 170.0 l Radiator type TE Heat from radiator 536.0 kW Heat from exhaust 1284.0 kW Heat from radiation 124.0 kW Exhaust temperature 0 °C Portata Raffreddamento 2500.0 m³/min Combustion air flow 141.0 m³/min Exhaust gas flow 374.0 m³/min TA Luft N TA Luft/2 N EPA N	Fuel Cons. at 100% (P.R.P)	419.0	l/h
Fuel Cons. at 25% (P.R.P.) 130.0 I/h Electronic regulator Standard Precision class G3 Oil quantity 230.0 I Engine Antifreeze capacity 170.0 I Radiator type TE Heat from radiator 536.0 kW Heat from exhaust 1284.0 kW Heat from radiation 124.0 kW Exhaust temperature 0 °C Portata Raffreddamento 2500.0 m³/min Combustion air flow 141.0 m³/min Exhaust gas flow 374.0 m³/min TA Luft N N EPA N N	Fuel Cons. at 75% (P.R.P.)	319.0	l/h
Electronic regulator Standard Precision class G3 Oil quantity 230.0 I Engine Antifreeze capacity 170.0 I Radiator type TE I Heat from radiator 536.0 kW Heat from exhaust 1284.0 kW Heat from radiation 124.0 kW Exhaust temperature 0 °C Portata Raffreddamento 2500.0 m³/min Combustion air flow 141.0 m³/min Exhaust gas flow 374.0 m³/min TA Luft N TA Luft/2 EPA N TA Luft/2	Fuel Cons. at 50% (P.R.P.)	226.0	l/h
Precision class G3 Oil quantity 230.0 Engine Antifreeze capacity 170.0 Radiator type TE Heat from radiator 536.0 kW Heat from exhaust 1284.0 kW Heat from radiation 124.0 kW Exhaust temperature 0 °C Portata Raffreddamento 2500.0 m³/min Combustion air flow 141.0 m³/min Exhaust gas flow 374.0 m³/min TA Luft N TA Luft/2 N EPA N	Fuel Cons. at 25% (P.R.P.)	130.0	l/h
Oil quantity 230.0 Engine Antifreeze capacity 170.0 Radiator type TE Heat from radiator 536.0 kW Heat from exhaust 1284.0 kW Heat from radiation 124.0 kW Exhaust temperature 0 °C Portata Raffreddamento 2500.0 m³/min Combustion air flow 141.0 m³/min Exhaust gas flow 374.0 m³/min TA Luft N TA Luft/2 N EPA N	Electronic regulator	Standard	
Engine Antifreeze capacity Radiator type TE Heat from radiator Heat from exhaust Heat from radiation 124.0 kW Exhaust temperature 0 °C Portata Raffreddamento Combustion air flow Exhaust gas flow TA Luft TA Luft/2 EPA IN ITA UNIT INDIA I	Precision class	G3	
Radiator type Heat from radiator Heat from exhaust Heat from exhaust 1284.0 kW Heat from radiation 124.0 kW Exhaust temperature 0 °C Portata Raffreddamento 2500.0 m³/min Combustion air flow 141.0 m³/min Exhaust gas flow 374.0 m³/min TA Luft N TA Luft/2 EPA N	Oil quantity	230.0	I
Heat from radiator 536.0 kW Heat from exhaust 1284.0 kW Heat from radiation 124.0 kW Exhaust temperature 0 °C Portata Raffreddamento 2500.0 m³/min Combustion air flow 141.0 m³/min Exhaust gas flow 374.0 m³/min TA Luft N TA Luft/2 N EPA N	Engine Antifreeze capacity	170.0	1
Heat from exhaust 1284.0 kW Heat from radiation 124.0 kW Exhaust temperature 0 °C Portata Raffreddamento 2500.0 m³/min Combustion air flow 141.0 m³/min Exhaust gas flow 374.0 m³/min TA Luft N TA Luft/2 N EPA N	Radiator type	TE	
Heat from radiation 124.0 kW Exhaust temperature 0 °C Portata Raffreddamento 2500.0 m³/min Combustion air flow 141.0 m³/min Exhaust gas flow 374.0 m³/min TA Luft N TA Luft/2 N EPA N	Heat from radiator	536.0	kW
Exhaust temperature 0 °C Portata Raffreddamento 2500.0 m³/min Combustion air flow 141.0 m³/min Exhaust gas flow 374.0 m³/min TA Luft N TA Luft/2 N EPA N	Heat from exhaust	1284.0	kW
Portata Raffreddamento 2500.0 m³/min Combustion air flow 141.0 m³/min Exhaust gas flow 374.0 m³/min TA Luft N TA Luft/2 N EPA N	Heat from radiation	124.0	kW
Combustion air flow 141.0 m³/min Exhaust gas flow 374.0 m³/min TA Luft N TA Luft/2 N EPA N	Exhaust temperature	0	°C
Exhaust gas flow 374.0 m³/min TA Luft N TA Luft/2 N EPA N	Portata Raffreddamento	2500.0	m³/min
TA Luft N TA Luft/2 N EPA N	Combustion air flow	141.0	m³/min
TA Luft/2 N EPA N	Exhaust gas flow	374.0	m³/min
EPA N	TA Luft	N	
	TA Luft/2	N	
Stage	EPA	N	
	Stage	N	

MAIN DATA		
Continuous power (PRP)	2000.00	kVA
Continuous power (PRP)	1600.00	kW
Emergency power (E.P.)	2200.00	kVA
Emergency power (E.P.)	1760.00	kW
VAC - HZ - cos(fi)	380 - 50 - 0.8	

DIMENSIONS AND WEIGHT		
Width	2005	mm
Length	6200	mm
Height	2561	mm
Weight	15000	kg

ALTERNATOR	
Description	STAMFORD
Alternator model	S7L1D-G
P.R.P. Power	2080.0 kVA
E.P. Power	2250.0 kVA
Connection	Star
Phases	3FN
Winding	312
Terminal Number	6 nr.
IP Protection	23
Electronic regulator	MX341
Precision	1.0 ± %

BASEFRAME	
Model	ST60
Standard tank	0 1
Optional tank	0 1
Oversized tank*	0 1

CANOPY & SILENCER		
Canopy model	SENZA COFANO	
Silencer model	MS 65	
Silencer outlet diameter	406.0 r	nm

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.

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.