TECHNICAL DATASHEET M 2000 U

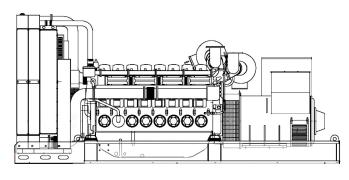


M 2000 U





POWERFULL "U"



For illustrative purposes only

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 Stand-by Power net 1894.7 kW Fuel Cons. at 100% (L.T.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 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 radiation 124.0 kW Exhaust temperature 0 °C Portata Raffreddamento 2500.0 m³/min Combustion air flow 141.0 m³/min <t< th=""><th>Tot mustrative purposes only</th><th></th><th></th></t<>	Tot 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 Stand-by Power net 1894.7 kW Fuel Cons. at 100% (L.T.P.) 472.0 l/h Fuel Cons. at 100% (P.R.P) 319.0 l/h Fuel Cons. at 50% (P.R.P.) 319.0 l/h Fuel Cons. at 50% (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 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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RPM speed 1500 Cubic capacity 65.37 I 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 Stand-by Power net 1894.7 kW Fuel Cons. at 100% (L.T.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 25% (P.R.P.) 130.0 l/h Fuel Cons. at 25%	Engine model	S16R-PTAA2	
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Air intake 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 Stand-by Power net 1894.7 kW Fuel Cons. at 100% (L.T.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 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 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	RPM speed	1500	
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Optional voltage Vdc Sae 00-21 BMEP 2060 kPa Cooling Water Flywheel P.R.P. Power net 1683.7 kW Flywheel Stand-by Power net 1894.7 kW Fuel Cons. at 100% (L.T.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.) 230.0 l Englished <	Air intake	Turbocharged	
Sae 00-21 BMEP 2060 kPa Cooling Water Flywheel P.R.P. Power net 1683.7 kW Flywheel Stand-by Power net 1894.7 kW Fuel Cons. at 100% (L.T.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 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 EPA N	Standard voltage	24	Vdc
BMEP 2060 kPa Cooling Water Flywheel P.R.P. Power net 1683.7 kW Flywheel Stand-by Power net 1894.7 kW Fuel Cons. at 100% (L.T.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 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	Optional voltage		Vdc
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Flywheel P.R.P. Power net Flywheel Stand-by Power net Fuel Cons. at 100% (L.T.P.) Fuel Cons. at 100% (P.R.P) Fuel Cons. at 75% (P.R.P.) Fuel Cons. at 50% (P.R.P.) Fuel Cons. at 55% (P.R.P.) Fuel Cons. at 25% (P.R.P.) Fuel Cons. at 75% (P.R.P.) Fuel Cons. at 100% (P.R.P.) Fuel Cons. at 1	ВМЕР	2060	kPa
Flywheel Stand-by Power net 1894.7 kW Fuel Cons. at 100% (L.T.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 EPA N	Cooling	Water	
Fuel Cons. at 100% (L.T.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 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 P.R.P. Power net	1683.7	kW
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 Stand-by 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 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% (L.T.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 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 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 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 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 Exhaust temperature Combustion air flow TA Luft TA Luft/2 EPA TE 170.0 I 170.0 I	Precision class	G3	
Radiator type Heat from radiator Heat from exhaust Heat from radiation 1284.0 kW Heat from radiation 124.0 kW Exhaust temperature 0 °C Portata Raffreddamento Combustion air flow 141.0 m³/min Exhaust gas flow 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
Stand-by power (LTP)	2165.00	kVA
Stand-by power (LTP)	1732.00	kW
VAC - HZ - cos(fi)	380 - 50 - 0.8	

DIMENSIONS AND WEIGHT		
Width	2005	mm
Length	6200	mm
Height	2561	mm
Weight	15150	kg

ALTERNATOR	
Description	STAMFORD
Alternator model	PI734F
P.R.P. Power	2020 kVA
L.T.P. Power	2165 kVA
Connection	Star
Phases	3FN
Winding	312
Terminal Number	6 nr.
IP Protection	23
Electronic regulator	MX341
Precision	1 ± %

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

CANOPY & SILENCER		
Canopy model	SENZA COFANO	
Silencer model	MS 65	
Silencer outlet diameter	406	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.