

M 1280 S





POWERFULL "S"



For illustrative purposes only

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 24 Vdc Optional voltage 40-21 BMEP 1814 kPa Cooling Water Flywheel P.R.P. Power net 1110.0 kW Flywheel E.P. Power net 1120.0 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 55% (P.R.P.) 151.0 l/h Fuel Cons. at 55% (P.R.P.) 93.0 l/h Fuel Cons. at 55% (P.R.P.) 151.0 l/h Fuel Cons at 25% (P.R.P.) 151.0 l/h Fuel Cons at 55% (P.R.P.) 75.0 l 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 Combustion air flow 89.0 m³/min Exhaust gas flow 235.0 m³/min TA Luft N TA Luft/2 N Stage N	ENGINE		
Engine model \$12 kmp Cylinders 12 kmp RPM speed 1500 kmp Cubic capacity 49.03 lmp Air intake Turbocharged Standard voltage 24 kmp Optional voltage Vdc Sae 00-21 kmp 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 50% (P.R.P.) 203.0 l/h Fuel Cons. at 55% (P.R.P.) 93.0 l/h Fuel Cons. at 55% (P.R.P.) 93.0 l/h Fuel Cons. at 25% (P.R.P.) 93.0 l/h Fuel Cons. at 25% (P.R.P.) 93.0 l/h Fuel Cons. at 25% (P.R.P.) 93.0 l/h Fleetronic regulator Standard Precision class G3 Oil quantity 180.0 l Engine Antifreeze capacity 125.0 l Read from radiator 648.0 kW Heat from radiation 77.8 kW Exhaust temperature </td <td></td> <td>MITCHIDICUL</td> <td></td>		MITCHIDICUL	
Cylinders 12 RPM speed 1500 Cubic capacity 49.03 I Air intake Turbocharged Vdc Standard voltage 24 Vdc Optional voltage Vdc Vdc Sae 00-21 BMEP 1814 KPa Cooling Water Vdc			
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 25% (P.R.P.) 93.0 l/h Fuel Cons. at 50% (P.R.P.) 93.0 l/h Fuel Cons. at 50% (P.R.P.) 93.0 l/h			
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.) 93.0 l/h Fuel Cons. at 25% (P.R.P.) 93.0 l/h Fuel Cons. at 50% (P.R.P.) 93.0 l/h Fuel Cons. at 50% (P.R.P.) 93.0 l/h <			
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 50% (P.R.P.) 203.0 l/h Fuel Cons. at 55% (P.R.P.) 93.0 l/h Fuel Cons. at 25% (P.R.P.) 93.0 l/h			
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 Fuel Cons. at 25% (P.R.P.) 151.0 l/h Fuel Cons. at 25% (P.R.P.) 93.0 l/h Fuel Cons. at 25% (P.R.P.) 93.0 l/h Fuel Cons. at 25% (P.R.P.) 151.0 l/h Fuel Cons. at 25% (P.R.P.) 151.0	, ,		I
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 Fuel Cons. at 75% (P.R.P.) 93.0 l/h Fuel Cons. at 75% (P.R.P.) 93.0 l/h Fuel Cons. at 75% (P.R.P.) 93.0		3	
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 Standard Precision class G3 G3 Oil quantity 180.0 I Engine Antifreeze capacity 125.0 I Radiator type TE TE Heat from radiator 648.0 kW Heat from exhaust 758.0 kW Heat from radiation 77.8 kW Exhaust temperature 0 °C Combustion air flow 89.0 m³/min Exhaust gas flow 235.0 m³/min TA Luft N EPA N N	J.	24	
BMEP 1814 kPa Cooling Water 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.) 93.0 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 TE Heat from radiator 648.0 kW Heat from exhaust 758.0 kW Heat from radiation 77.8 kW Exhaust temperature 0 °C Combustion air flow 89.0 m³/min Exhaust gas flow 235.0 m³/min TA Luft N EPA N			Vdc
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 Combustion air flow 89.0 m³/min Exhaust gas flow 235.0 m³/min TA Luft N TA Luft/2 N EPA N			
Flywheel P.R.P. Power net Flywheel E.P. Power net Fuel Cons. at 100% (E.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 100% (P.R.P.) Fuel Cons. at 200% (P.R.P.) Fuel Cons. at 200%	ВМЕР	1814	kPa
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 Combustion air flow 89.0 m³/min Exhaust gas flow 235.0 m³/min TA Luft N TA Luft/2 N EPA N	Cooling	Water	
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 Combustion air flow 89.0 m³/min Exhaust gas flow 235.0 m³/min TA Luft N TA Luft/2 N EPA N	Flywheel P.R.P. Power net	1110.0	kW
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 Combustion air flow 89.0 m³/min Exhaust gas flow 235.0 m³/min TA Luft N TA Luft/2 N EPA N	Flywheel E.P. Power net	1220.0	kW
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 Combustion air flow 89.0 m³/min Exhaust gas flow 235.0 m³/min TA Luft N TA Luft/2 N EPA N	Fuel Cons. at 100% (E.P.)	294.0	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 Combustion air flow 89.0 m³/min Exhaust gas flow 235.0 m³/min TA Luft N TA Luft/2 N EPA N	Fuel Cons. at 100% (P.R.P)	269.0	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 Combustion air flow 89.0 m³/min Exhaust gas flow 235.0 m³/min TA Luft N TA Luft/2 N EPA N	Fuel Cons. at 75% (P.R.P.)	203.0	l/h
Electronic regulator Standard Precision class G3 Oil quantity 180.0 Engine Antifreeze capacity 125.0 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 Combustion air flow 89.0 m³/min Exhaust gas flow 235.0 m³/min TA Luft N N EPA N N	Fuel Cons. at 50% (P.R.P.)	151.0	l/h
Precision class G3 Oil quantity 180.0 I 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 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	Fuel Cons. at 25% (P.R.P.)	93.0	l/h
Oil quantity 180.0 I 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 Combustion air flow 89.0 m³/min Exhaust gas flow 235.0 m³/min TA Luft N TA Luft/2 N EPA N	Electronic regulator	Standard	
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 Combustion air flow 89.0 m³/min Exhaust gas flow 235.0 m³/min TA Luft N TA Luft/2 N EPA N	Precision class	G3	
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 Combustion air flow 89.0 m³/min Exhaust gas flow 235.0 m³/min TA Luft N TA Luft/2 N EPA N	Oil quantity	180.0	I
Heat from radiator 648.0 kW Heat from exhaust 758.0 kW Heat from radiation 77.8 kW Exhaust temperature 0 °C Combustion air flow 89.0 m³/min Exhaust gas flow 235.0 m³/min TA Luft N TA Luft/2 N EPA N	Engine Antifreeze capacity	125.0	1
Heat from exhaust 758.0 kW Heat from radiation 77.8 kW Exhaust temperature 0 °C 0.0 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	Radiator type	TE	
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	Heat from radiator	648.0	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	Heat from exhaust	758.0	kW
Combustion air flow 89.0 m³/min Exhaust gas flow 235.0 m³/min TA Luft N TA Luft/2 N EPA N	Heat from radiation	77.8	kW
Combustion air flow 89.0 m³/min Exhaust gas flow 235.0 m³/min TA Luft N TA Luft/2 N EPA N	Exhaust temperature	0	°C
Exhaust gas flow 235.0 m³/min TA Luft N TA Luft/2 N EPA N		0.0	
TA Luft N TA Luft/2 N EPA N	Combustion air flow	89.0	m³/min
TA Luft/2 N EPA N	Exhaust gas flow	235.0	m³/min
EPA N	TA Luft	N	
	TA Luft/2	N	
Stage 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 1
Optional tank	0 1
Oversized tank*	0 1

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.

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.