

READY FOR IMMEDIATE DESPATCH

T16K - 16kVA Multiphase

Engine : Mitsubishi S4L2.SD Alternator : Meccalte ECO28S



Frequency: 50 Hz
Number of phase: 3

Power PRP: 12 kW / 15 kVA
Power ESP: 13 kW/16 kVA



Noise level: 70.7 db @ 1 meter

Dimensions: 1750 mm x 720 mm x 1230 mm

Weight: 575kg Net

Equipment

Standard



Multiphase socket panel



NEXYS control panel

PLUS...

- Charge alternator 12V
- Dry type air filter
- Circuit breaker protection
- Single bearing alternator IP23, insulation class H/H
- Radiator 50°C (122°F), max T°air inlet with coolant cap
- 12V battery
- Earth fault protection
- No phase selection required, use 415V, 230V and 110V simultaneously
- 50 liters base tank (14 hrs @ 75% load)
- Operator and maintenance manuals

Optional



Heavy duty air filter



Braked trailer

A dedicated team...

Spare parts

Thanks to the intertional network, SDMO delivers spare parts with the quickest delivery and best prices.

Technical assistance

SDMO prides itself on our technical support to ensure all questions are answered if you encounter any difficulties with your genset, from the moment it is supplied.

Engine specifications

| | | |
|-------------------|--|---|
| STANDARD FEATURES | Manufacturer / Model | MITSUBISHI S4L2-SD, 4-strokes, Athmo, 4 cylinders |
| | Cylinder Arrangement | In line |
| | Displacement | 1.75L [106.8C.I.] |
| | Bore and Stroke | 92mm [3.6in.] X 78mm [3.1in.] |
| | Compression ratio | 22 : 1 |
| | Rated RPM | 1500 Rpm |
| | Piston Speed | 4.6m/s [15.1ft./s] |
| | Max. stand by Power at rated RPM | 16.61kW [22BHP] |
| | Frequency regulation, steady stateBMEP | +/- 2.5% |
| | BMEP | 6.86bar [99psi] |
| EXHAUST SYSTEM | Governor : type | MECA |
| | Exhaust gas flow | 48.7L/s [103cfm] |
| | Exhaust temperature | 410°C [770°F] |
| FUEL SYSTEM | Max back pressure | 700mm CE [28in. WG] |
| | 100% (of the Prime Power) | 4.4L/h [1.2gal/hr] |
| | 75% (of the Prime Power) | 3.4L/h [0.9gal/hr] |
| | 50% (of the Prime Power) | 2.6L/h [0.7gal/hr] |
| OIL SYSTEM | Max. fuel pump flow | 18L/h [4.8gal/hr] |
| | Total oil capacity w/filters | 5.9L [1.6gal] |
| | Oil Pressure low idle | 1bar [14.5psi] |
| | Oil Pressure rated RPM | 4bar [58.0psi] |
| THERMAL BALANCE | Oil consumption 100% load | 0.025L/h [0.0066gal/hr] |
| | Oil capacity carter | 5.4L [1.4gal] |
| | Heat rejection to exhaust | 14kW [796Btu/mn] |
| AIR INTAKE | Radiated heat to ambient | 2kW [114Btu/mn] |
| | Heat rejection to coolant | 14kW [796Btu/mn] |
| | Max. intake restriction | 200mm CE [8in. WG] |
| COOLANT SYSTEM | Engine air flow | 18.2L/s [39cfm] |
| | Radiator & engine capacity | 4.9L [1.295gal] |
| | Max water temperature | 111°C [232°F] |
| | Outlet water temperature | 93°C [199°F] |
| | Fan power | 0.5 kW |
| | Fan air flow w/o restriction | 0.8m3/s [1695cfm] |
| | Available restriction on air flow | 10mm CE [0.4in. WG] |
| GAS SYSTEM | Type of coolant | Gencool |
| | Thermostat | 82-95 °C |
| | HC | 40 mg/Nm3 |
| | CO | 120 mg/Nm3 |
| | Nox | 1350 mg/Nm3 |
| | PM | 100 mg/Nm3 |

Alternator specifications

| | | |
|-------------------|--------------------------------------|----------------------|
| STANDARD FEATURES | Manufacturer / Model | MECC ALTE ECO3-3LN |
| | Number of phase | 3 |
| | Power factor (Cos Phi) | 0.8 |
| | Altitude | 1000 |
| | Pole : number | 4 |
| | Exciter type | NO |
| | Insulation : class, temperature rise | H/H |
| | Voltage regulator | SR7/2 |
| | Bearing : number | 1 |
| | Coupling | Direct |
| OTHER FEATURES | Continuous nominal rating @ 40°C | 19 kVA |
| | Standby rating @ 27°C | 21 kVA |
| | Efficiencies @ 4/4 load | 85% |
| | Air flow | 0.05m3/s [105.94cfm] |

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