



SACCAL INDUSTRIES S.A.L.
Member of Saccal Holding

PN 440

Engine Perkins, 2206A-E13TAG3

STANDARD FEATURES

- Water cooled PERKINS diesel engine.
- Radiator with pressure cap and drain point
- Fully guarded engine-driven fan
- Fully welded steel skid base with lifting points
- Heavy duty rubber anti-vibration mountings
- 24V starter batteries and connecting cables
- Separate engine-driven battery charging alternator
- Spin on oil and fuel filters and dry type air filter element



| Voltage | Standby Power KVA | Prime Power KVA | Stand by Amps | Dimensions | Weight |
|-----------|-------------------|-----------------|---------------|--------------------------------------|----------|
| 415 / 240 | 440 | 400 | 612 | L x W x H = 3300 x 1140 x 2000 mm | 3450 Kg. |
| 400 / 230 | 440 | 400 | 635 | | |
| 380 / 220 | 440 | 400 | 669 | | |

POWER DEFINITION

Prime Power is available for an unlimited number of annual operating hours in variable load applications

Standby Power is applicable for supplying emergency power in variable load applications

TERMS OF USE

Standard reference conditions Standby / Prime 27°C / 40°C Air Inlet Temp, 1000 m / 1000 m A.S.L. 60% relative humidity.



Main features:

- Heavy level acoustic attention: 65 dB at 1 meter from all directions on site
- A critical type muffler is mounted inside the enclosure
- Total design flexibility
- Robustness and enhanced durability
- Heavy duty base frame made up of steel U channels 10*5cm insulated with 10cm sound absorbing material and covered by 2, 3mm sheet steel from both sides up and down
- Canopy components are manufactured in 1.5, 2, 3mm sheet steel
- Canopy walls and ceiling are coated with sound absorbing material
- Anti-Scratch 100 micron Powder Paint Coated under the temperature of 120 oC
- Four lockable doors
- Four lifting points
- Oil and coolant drainage points
- Easy canopy dismantling for maintenance purpose
- Full weather proof enclosure
- Suitable for operation in very adverse weather conditions

Dimensions Super Sound Proof Version

| | |
|------------------|--------|
| Canopy | SSP440 |
| Length (mm). | 4600 |
| Width (mm). | 1520 |
| Height (mm). | 2500 |
| Dry weight (kg). | N/A |

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ENGINE SPECIFICATIONS

| DATA GENERAL DATA | Motor model | Perkins 2206A-E13TAG3, 6 cylinders |
|--------------------------|--|------------------------------------|
| | Cylinder arrangement | Vertical in-line |
| | Displacement (L) | 12.5 |
| | Bore (in) X Stroke (in) | 130 mm x 157 mm |
| | Compression ratio | 16.3:1 |
| | Speed (RPM) | 1500 |
| | Cycle | 4 Stroke |
| | Maximum stand-by power at rated RPM (BHP) | 554 |
| | BMEP (psi) | NA |
| | Governor type | ELECTRONIC |
| EXHAUST SYSTEM | Exhaust gas temperature (°C) | 465 |
| | Exhaust gas flow (cfm) | 2384 |
| | Max. exhaust back pressure (mmWG) | 500 |
| FUEL SYSTEM | Consumption @ 110% load (L/hr) | |
| | Consumption @ 100% load (L/hr) | |
| | Consumption @ 75% load (L/hr) | 62 |
| | Consumption @ 50% load (L/hr) | |
| OIL | Oil capacity (L) | 40 |
| | Min. oil pressure (Bar) | 4.7 |
| | Max. oil pressure (Bar) | 7.5 |
| | Oil consumption 100% load (L/hr) | N/A |
| THERMAL BALANCE | Heat rejection to exhaust (KW) | 224 |
| | Radiated heat to ambient (KW) | 9 |
| | Heat rejection to coolant (kW) | 129 |
| AIR INTAKE | AIR INTAKE_entree_max% Intake air flow (L/sec) | NA |
| COOLANT SYSTEM | Radiator & Engine capacity (L) | 51.4 |
| | Max water temperature (°C) | 102 |
| | Outlet water temperature (°C) | 95 |
| | Fan power (kW) | 10 |
| | Fan air flow w/o restriction (m3/sec) | 5.8 |
| | Available restriction on air flow (mm WG) | 20 |
| | Type of coolant Thermostat (°C) | Gencool 82-95 |
| EMISSIONS | Emissions PM (g/kW.h) | NA |
| | Emission CO (g/kW.h) | NA |
| | Emissions HCNOx (g/kWh) | NA |
| | Emission HC (g/kW.h) | NA |

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