

100.0 kVA PERKINS GENERATOR

FEATURES & BENEFITS

- Maximum 110.0 kVA, 400 V, 1500 RPM
- Industrial brushless alternator with AVR
- Steel baseframe, retention basin & fuel tank with sensor
- 160 litre tank for 9 hrs @ 75% Load
- Test report, manuals and electrical drawings supplied
- Modular design, open and silent version available
- Industrial silencer and coupling flange
- Electrical panel mounted on board the unit with digital control device installed in metal box
- Compact for easy handling and use
- World wide after sales service and technical support



| GENERAL DATA | |
|--------------------------------|-----------|
| Model: | P105GO |
| Continuous power (PRP): | 100.0 kVA |
| Continuous power (PRP): | 80.0 kW |
| Stand-by power (LTP): | 110.0 kVA |
| Stand-by power (LTP): | 88.0 kW |
| Power factor: | 0.8 |
| Frequency (Hz): | 50 Hz |
| Voltage (V): | 400 V |
| Width: | 1010 mm |
| Length: | 2500 mm |
| Height: | 1460 mm |
| Weight: | 1350 kgs |
| Tank Capacity: | 160 l |
| dBa @ 7m: | N/A |

| ALTERNATOR | |
|------------------------------|---------------------------|
| Alternator brand: | MARELLI |
| Alternator model: | MJB225MA4 |
| L.T.P. Power: | 116.0 kVA |
| P.R.P. Power: | 105.0 kVA |
| Connection: | Series star |
| Phases: | Three phases with neutral |
| Terminal Number: | 12 |
| IP Protection: | 23 |
| Alternate Alternator: | STAMFORD / UCI274C |

| ENGINE DATA | |
|---------------------------------|-------------------------------|
| Brand: | PERKINS |
| Model: | 1104C-44TAG2 |
| Cylinders: | 4 |
| RPM: | 1500 |
| Cubic Capacity: | 4.40 |
| Air Intake: | Turbocharged |
| Standard Voltage: | 12 |
| SAE: | 3-11 1/2 |
| BMEP: | 1702 |
| Cooling: | Water |
| Flywheel P.R.P. Power: | 89.0 kW |
| Flywheel Stand-by Power: | 97.9 kW |
| Oil Qty: | 8.0 l |
| Antifreeze Qty: | 7.0 l |
| Heat from Radiator: | 46.1 kW |
| Heat from Exhaust: | 71.7 kW |
| Exhaust Temperature: | 514 °C |
| Cooling Airflow: | 165.60 m³/min |
| Combustion Airflow: | 6.01 m³/min |
| Exhaust Airflow: | 15.20 m³/min |
| TA Luft / TA Luft 2: | Not available / Not available |
| Stage: | Stage 2 |

| FUEL CONSUMPTION | |
|----------------------------|----------|
| Fuel Cons. at 110%: | 24.9 l/h |
| Fuel Cons. at 100%: | 22.6 l/h |
| Fuel Cons. at 75%: | 17.1 l/h |
| Fuel Cons. at 50%: | 11.2 l/h |
| Fuel Cons. at 25%: | 0.0 l/h |

* Specs subject to change without prior notice.
 * Measurements based on ISO8528-1 Standards
 * Picture may vary from actual product.