Control Panel: Manual
Model: QMA2
Industrial Range

Technical Data Sheets

Control Panel Model	QMA2
Type	Manual with Aut. Remote Start
Applicable Range(kVA)	9 - 170
Chang Over	Absent
IP	20
Control Board Model	GIOTTO M

Control Panel Dimensions

Length (mm)	530
Width (mm)	350
Height (mm)	260

Standard Set-up

- Hour Meter
- Voltmeter
- Amperometer
- Frequenzy meter
- Emergency Stop Button

Available Options

- Fuel Level Indicator*
- Engine Temperature Indicator*
- Oil Pressure Indicator*

* Transducers Not Included

Description

The manual control panel is contained in an iron steel box and is mounted on the Generating Set. A side opening allows easy inspection of the circuits. A magnetothermic circuit breaker for the protection of the generating set and eventual plug sockets are available upon request. The control board (micro processor) that is supplied along with the Automatic control panel allows 2 different operational functions: "manual" and "supermanual". The diagnostics is multilingual (Italian, English, French and Spanish), with clear messages regarding the operational state and active alarms. The electronic board is entrusted with the management of operational safety, thanks to visual/acoustic alarms and eventual engine shutdown, it can help prevent damage caused by malfunctions. The control board counts the number of start attemps and issues the following clear messages on the illuminated display: Running hours, engine speed, the start attemps, phase-phase voltage and phase-neutral voltage, battery voltage, current on 3 phase, frequency, battery voltage and the alarms.
The manual control panel signals an alarm when maintenance is required on the generating set and offers the possibility to calibrate measuring instruments and to regulate many parameters. 2 programmable inputs and 2 programmable outputs are also included.

COELMO spa Agglomerato Industriale ASI 80011 Acerra (NA) - Italy
Tel. +39 081 8039731 - Fax. +39 081 8039724
www.coelmo.it - info@coelmo.it

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