

30 to 60 kW Generator Sets / POWERED BY DEUTZ 912

Mounting Arrangement: Set of engine and alternator coupled directly by means of a flexible disk and mounted on a steel base frame with anti vibration mountings which ensures a vibration free standing of the generating set. The assembly is made according to EEC regulations. The base frame has an integral fuel tank with a working autonomy of approximately 8 hours. On the open set version the industrial type silencer is included and shipped separately.

Deutz Engine: Four stroke, direct injection, air cooled Diesel engine of the 912 series, known world-wide as "universal" engines. Deutz has sold more than 2,5 Million units all over the world. This makes this type of engine appropriate for generating set use due to its reduced dimensions. Its easy maintenance and longevity together with the compliance of their exhaust fumes emissions to the prevailing regulations, makes the engine the best choice for producing clean energy. Stop solenoid included.

Alternator: Newage Stamford, brushless, self-excited, self regulated with electronic voltage regulation (AVR), four poles, IP 23 protection for PAD 30 M USA and PAD 30 USA models and IP 22 for the rest. Class H insulation.

Control panel: equipped with:

- AMT-910 control unit for control and protection of the generating set which includes:
 - The condition of the generating set, measurements, alarm messages, etc are shown on the LCD display. All messages can be deleted with the reset button.
 - Measurements: Generator frequency, voltage and amperes, working hour counter, battery voltage.
 - Alarms: Low oil pressure, high engine temperature, low fuel level, belt failure, overspeed, generator voltage out of margin, overcurrent of the generator, frequency out of margin, start failure.
 - Adjusting parameters: Several parameters are programmable. For more information refer to the operation manual.
 - Functioning mode: Automatic, manual, test, program, reset and disconnected.
- Analogue fuel level gauge
- Analogue engine temperature gauge
- Selector switch for the voltmeter
- Selector switch for the amp-meter
- Emergency push button
- Sound alarm

Supersoundproof cabin: The modular structure base frame (easy assembly) is made of pressure bent steel profiles and sound attenuating elements with a rock-wool layer which complies with the prevailing regulations. Includes hot air extraction fan for the engine and alternator cooling. Critical type silencer included.

