

AGM 100




## DESIGN SPECIFICATIONS

- High quality, reliable and long life complete power unit
- Compact design
- Easy start and maintenance possibility
- Every generator set is subjected to a test programme which includes standard full load and functions testing.

## STANDARD GENSET SPECIFICATIONS

### ENGINE:

- GM heavy duty NG/LPG engine
- 4 cycled water cooled engine
- 12 Volt D.C. starter and charger alternator
- Replaceable oil filter and dry element air filter
- Cooling radiator and fan
- Flexible gas connection hoses and oil drain valve
- Industrial capacity exhaust silencer and steel belows
- Starter battery (lead acid) including rack and cables
- Jacket water heater (at automatic models)
- Operation manuals and circuit diagrams documents

### ALTERNATOR:

- Brushless, single bearing system, 4 poles
- Class H insulation system
- The standard degree of protection is IP21-23
- Self-exciting and self regulation
- Solid state automatic voltage regulation

### CHASSIS:

- Steel chassis and antivibration pads
- Suitable modular canopy mounted
- Easy to lift and transport with hook and forklift

### CANOPY:

- Canopy parts are designed by modular principals
- Without welding assembly
- Easy maintenance and operation possibility
- All metal canopy parts are painted by electrostatic polyester powder paint after chemical cleaning
- operation
- Exhaust silencer is protected against environmental conditions
- Emergency stop button is assembled on outside of canopy
- Direct lifting and transporting from canopy
- Thermally insulated engine exhaust system

### QUALITY STANDARDS:

- Generator meets the following standards: VDE 0530, BS 4999, BS 5000, IEC 34 and quality assurance system is NQA BS EN ISO 9001 certificated.

### WARRANTY:

- Generator meets the following standards: VDE 0530, BS 4999, BS 5000, IEC 34 and quality assurance system is NQA BS EN ISO 9001 certificated.

### CONTROL SYSTEM:

- Control supervision and protection panel is mounted on the genset base frame.
- **1. Autostart Control System -P500**
- DSE 704 AMF automatic start and system control module
- 3 Ampermeter
- Volt-frequencemeter (LED's) and selection key
- Hours runmeter
- Oil pressure gauge

- Coolant temperature gauge
- Emergency stop button
- Static battery charger instrument
- Thermal, overcurrent protector
- Engine water heater control
- **a) DSE 704 AMF Module Standard Specifications**
- Automatic system failure supervision (3phase)
- Engine supervision and protection
- Automatic generator start/stop control
- Easy operation with push button
- Stop-Manuel-Automatic
- Microprocessor based design
- 2 configurable digital input
- 2 configurable digital output
- Configurable Start/Stop/cooling periods
- Configurable system failure (low voltage) level
- System generator transfer control
- Remote start input
- **b) DSE 704 AMF module alarm and status notice LED's**
- High engine temperature (Stop)
- Low oil pressure (Stop)
- Over Speed (Stop)
- Charger generator failure (Alarm)
- Generator and system Ready/On line (Notice)
- **2. Manual Control Panel -ME40**
- A 720 Manual Start-Control Module
- 1 Volt-frequencemeter (with LED) and selection key
- 1 Hour runmeter
- 3 Ampermeter
- 1 Water temperature gauge
- 1 Oil pressure gauge
- 1 Emergency stop button
- 1 Cahrger lamb
- **a) A720 module standard spesifications**
- Engine supervision and protection
- Easy operation with push button (Closed/Reset/Start)
- **b)A720 module alarm and status notice LED'S**
- High engine temperature (Stop)
- Low oil pressure (Stop)
- Over Speed (Stop)
- Engine starts (NOtice)
- Module on line (NOtice)
- Spare outputs and LED's regulated for alarm and stop
- 2-1 Thermal-Magnetic Output swich (at manual model)

| <b>TECHNICAL DATA</b>  |   |                   |                         |
|--|---|-------------------|-------------------------|
| <b>LPG &amp; Natural Gas 231/400 V - 50</b>                                |   |                   |                         |
| <b>G<br/>R<br/>O<br/>U<br/>P</b>   | <b>MODEL</b>                                  |                   | <b>AGM 100</b>          |
|  | <b>Power<br/>Pf. 0,8</b>                      |                   | 100<br>80               |
|  |   | <b>Continuous</b> |                         |
| <b>D<br/>I<br/>E<br/>S<br/>E<br/>L<br/>E<br/>N<br/>G<br/>I<br/>N<br/>E</b> | <b>Engine Make</b>                            |                   | <b>GM</b>               |
|  | <b>Model</b>                                  |                   | <b>AGM 100</b>          |
|  | <b>Gross engine power output at rated rpm</b> |                   | <b>Continuous kW</b>    |
|  | <b>Aspiration and Cooling</b>                 |                   | <b>Natural</b>          |
|  | <b>Cylinders Capacity</b>                     |                   | <b>Lt</b>               |
|  | <b>Cylinders and Build</b>                    |                   | <b>8 V</b>              |
|  | <b>Engine Speed</b>                           |                   | <b>rpm</b>              |
|  | <b>Bore and Stroke</b>                        |                   | <b>mmxmm</b>            |
|  | <b>Compression Ratio</b>                      |                   | <b>8.1:1</b>            |
|  | <b>Fuel Injection System</b>                  |                   | <b>Direct</b>           |
|  | <b>Fuel Consumption</b>                       |                   | <b>Nm<sup>3</sup>/h</b> |
|  | <b>Natural Gas Pressure(min)</b>              |                   | <b>mbar</b>             |
|  | <b>Oil Capacity</b>                           |                   | <b>Lt</b>               |
| <b>Alternator Voltage Regulation</b>                                       |   |                   | <b>± %1</b>             |

| <b>OPEN TYPES</b>                           |           |                           |
|---|-----------|---------------------------|
| <b>Dimensions (length x width x height)</b> | <b>mm</b> | <b>2490 x 1100 x 1368</b> |
| <b>Dry weight</b>                           | <b>kg</b> | <b>1150</b>               |

| <b>CANOPIED GROUP</b>                       |           |                           |
|---|-----------|---------------------------|
| <b>Canopy Model</b>                         |           | <b>ASM6</b>               |
| <b>Dimensions (length x width x height)</b> | <b>mm</b> | <b>3250 x 1100 x 1840</b> |
| <b>Dry weight</b>                           | <b>kg</b> | <b>1350</b>               |

\* Manufacturer reserves the right to make changes in model, technical specifications, color, equipment and accessories without prior notice.

#### OPTIONAL EQUIPMENTS

- \* Remote radiator
- \* Charge voltmeter
- \* Automatic transfer switch by contactor (utility/gen-set)
- \* Enclosure, soundproof canopy
- \* Cooling with exchanger
- \* Charge ampermeter
- \* Special type silencer

#### OTHER ATTACHMENTS

##### Attachment Type

Image Document



Image Document



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