MAR-KIM

MP33

INDUSTRIAL RANGE

Perkins

SPECIFICATIONS

Perkins **Engine**

maranello alternator **Alternator**

Engine		Specifications
Rated Output	*kW*	24
Manufacturer		Perkins
Model		1103A-33G
Engine Type		4 Stroke - Diesel
Injection Type		Direct Injection
Aspiration Type		Naturally Aspirated
Number of cylinder		3 L
Bore and Stroke	*mm*	105x127
Displacement	*L*	3,3
Cooling System		Water Cooling
Hecting Power	*Watt*	1000W
Fuel Consumption 50% PRP	*l/h*	4,06
Fuel Consumption 75% PRP	*l/h*	5,61
Fuel Consumption 100 % PRP	*l/h*	7,2
Fuel Consumption Standby	*l/h*	8,1
Lube oil consumption with full load	*(% fuel)*	< 0,15
Total oil capacity including tubes, filters	*L*	8,3
Total coolant capacity	*L*	10,2
Governor	*Type*	Mechanical/Electronic
Battery Capacity	*A*	60

Alternator		Specifications
Manufacturer		Maranello
Model		M33
Output Voltage	*V*	230/400
Frequency	*HZ*	50
Automatic Voltage Regulation	*±%*	1
Alternator Stand By Power	*kVA*	33
Alternator Continuous Power	*kVA*	30
Power Factor	*Cosq*	0,8
Number of Wires		12
Winding		2/3
Protection Class		IP23 / H
Excition System		Self-excited
AVR Model		SX460
Performance - PF 0,8 / %75 Load	*%*	88

Prime Power (PRP):

According to ISO 8528-1:2005, Prime power is the maximum power which a generating set is capable of delivering continuously whilst supplying a variable electrical load when operated for an unlimited number of hours per year under the agreed operating conditions with the maintenance intervals and procedures being carried out as prescribed by the manufacturer. The permissible average power output (Ppp) over 24 h of operation shall not exceed 70 % of the PRP.

Emergency Standby Power (ESP):

According to ISO 8528-1:2005, Emergency standby power is the maximum power available during a variable electrical power sequence, under the stated operating conditions, for which a generating set is capable of delivering in the event of a utility power outage or under test conditions for up to 200 h of operation per year with the maintenance intervals and procedures being carried out as prescribed by the manufacturers. The permissible average power output over 24 h of operation shall not exceed 70 % of the ESP.

Note: All data based on operation to ISO 3046/1, BS 5514 and DIN 6271 standard reference conditions

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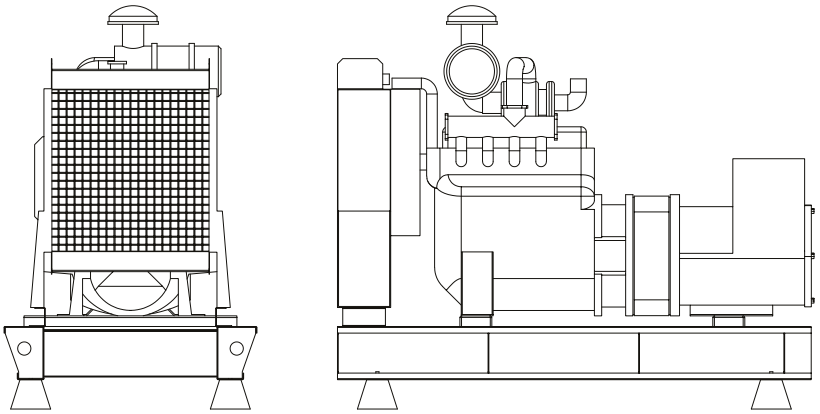
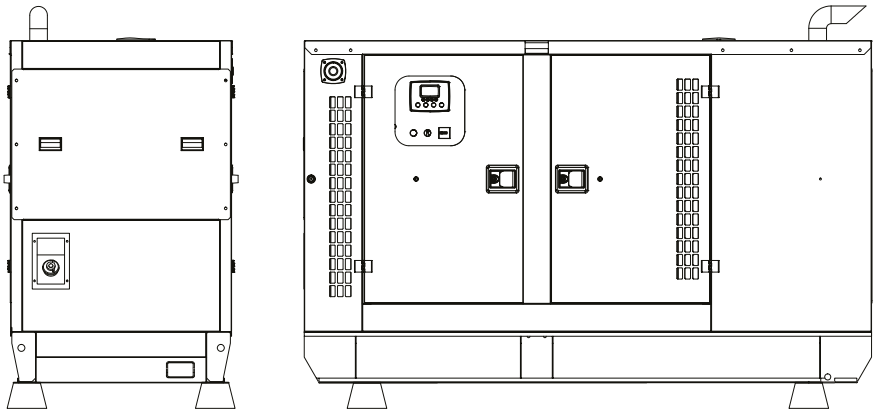
DIMENSIONS



OPEN SET

LxWxH	*mm*	1800x950x1500
Weight	*kg*	710
Fuel Tank	*lt*	140



CANOPIED

LxWxH	*mm*	2225x950x1640
Weight	*kg*	1060
Fuel Tank	*lt*	140

Sound Proof Canopy

- Special design for minimizing acoustic level.
- Galvanized steel construction further protected by polyester powder coat paint.
- Black finish stainless steel locks and hinges.
- Control panel viewing window in a lockable access door.
- Emergency stop push button (red) mounted on enclosure exterior.
- Lifting, drag and jacking points on base frame.
- Radiator fill via removable, flush mounted rain cap fitted with compression seal.
- Acoustic insulation with moisture-repellent and non-flammable material

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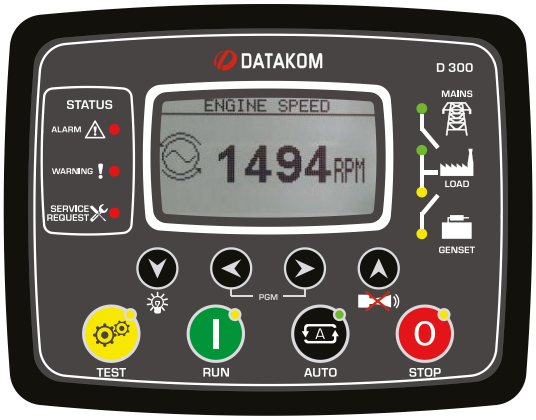
CONTROL UNIT



DATAKOM — Control Unit

D300 - DATAKOM

4-band GPRS modem (optional)	Internet Central Monitoring
USB Device	SMS message sending
RS-232 (2400-57600baud)	E-mail sending
J1939-CANBUS	Free PC software: Rainbow Plus
Geo-locating through GSM	Modbus RTU
GPS support (RS-232)	

ATS PANEL

MAR-KIM automatic transfer switches are reliable, rugged, versatile, and compact assemblies for transferring essential loads and electrical distribution systems from one power source to another. MAR-KIM 's contac - tor-based transfer switch is rated 40–3600A and can be supplied in separate enclosures for standalone applica - tions or can be supplied as an integral component Contactors inside the ATS panels are well known and internationally recognized brands such as ABB, SCHNEIDER, HYUNDAI and ANDELI.

ABB telergon gorlan team ANDELI HYUNDAI socomec Innovative Power Solutions

OPTIONAL EQUIPMENTS

Some Optional Equipments that MAR-KIM prov ides with Generator Sets;

- Medium voltage alternator,
- Remote radiator applications,
- Automatic fuel filling system,
- Fuel tank, oil pan, dashboard, alternator, coil heaters,
- Alternator with double AVR and PMG,
- Synchronization systems, The generator output breaker,
- Grid-generator transfer switches,
- Accordance with the specific volume of demand-insulated cabins,
- Seismic solutions,
- Trailer,
- Remote monitoring.
- SMPS 12/24V 10A

Control Panel

- Datakom D500
- Datakom D700
- ComAp AMF9
- ComAp AMF25

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