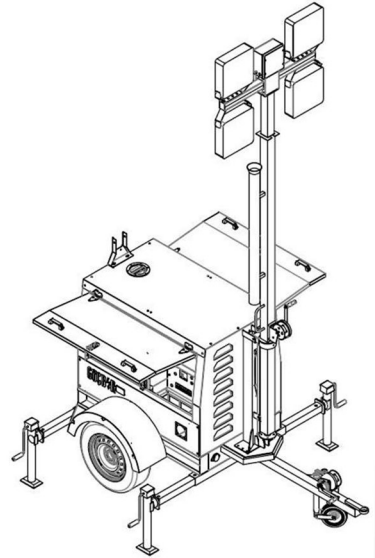


MR15MT-L

INDUSTRIAL RANGE

RICARDO



GENERATING SETS



WATER COOLED



THREE PHASES



50 HZ



DIESEL

Service

Power	kVA
Power	kW
Rated Speed	r. p. m
Standard Voltage	V
Rated At Power Factor	Cos Phi

Standby

15
12

Prime

13
10
1500
400 / 230
0,8

Dimensions

L x W x H	mm
Weight	kg
Fuel Tank	lt
Mechanical Mast	m

Overall Dimensions

315*255*750
900 Kg
90
8

LED LIGHTING SET

Standard	watt	4x200
Optional	watt	4x300
Optional	watt	4x400
Optional	watt	4x500



MAR-KIM CHEMICALS CO.LTD.

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MR15MT-L

INDUSTRIAL RANGE



SPECIFICATIONS



Engine



Alternator

Engine

Prime

Standby / Prime	kW	10
Manufacturer		Ricardo
Model		403A-11G1
Engine Type		4 Stroke - Diesel
Injection Type		Direct Injection
Aspiration Type		Natural
Number of cylinders and arrangement		3
Bore and Stroke	mm	77x81
Displacement	L	1,131
Cooling System		Water Cooling
Electrical System	V	12
Fuel Consumption Standby	l/h	2,9
Fuel Consumption 100% PRP	l/h	2,6
Fuel Consumption 75 % PRP	l/h	2
Fuel Consumption 50 % PRP	l/h	1,5
Lube oil consumption with full load		<0,15
Total oil capacity including tubes, filters	L	4,9
Total coolant capacity	L	5,2
Governor	Type	Mechanical/Electronic

Alternator

Specifications

Brand		Maranello
Model		M15
Output Voltage	V	230/400
Frequency	HZ	50
Automatic Voltage Regulation	±%	1
Alternator Stand By Power	kVA	12
Alternator Continuous Power	kVA	11
Power Factor	Cosφ	0,8
Number of Wires		12
Winding		2/3
Protection Class		IP23 / H
Excitation System		Self-excited
AVR Model		SX460
Performance - PF 0,8 / % 75 Load	%	82

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 (P_{pp}) 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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INDUSTRIAL RANGE



CONTROL UNIT



Control Unit

TRANS MINI AUTO - EMKO

Automatic Genset Controller	Log last 50 events & alarm information with measured values
Power factor measurement for 1 phases	Statistics records
Compatible to Diesel or Gas generators	Selectable Resistive sender types; Pt-100, VDO, US, GM, Ford, Datcon, etc..
Engine controller	
SPN, FMI and OC values reading from engines via J1939	

General Features

- 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
- Auxiliary power sockets
- Collapsible drawbar
- Hand brake

In addition to the standard cabins, it is also possible to manufacture cabins specific to Markim Generator's sound level and size upon customer requests.

OPTIONAL EQUIPMENTS

Some Optional Equipments that MARKIM provides with Generator Sets;

- Generator output switch
- Led and projector type lighting options
- Fuel tank, oil pan, dashboard, alternator, coil heaters,
- Accordance with the specific volume of demand-insulated cabins,
- Trailer,
- Single or double axle trailer option
- Hydraulic/Mechanical tower option
- Remote monitoring.
- SMPS 12/24V 10A



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