



MODEL	QS-M1250
Standby Power (50Hz)	1000KW / 1250KVA
Prime Power (50Hz)	908KW / 1135KVA

## Standard Features

## General Features:

Engine (MTU 18V2000G65)  
 Radiator 40°C max, fans are driven by belt, with safety guard  
 24V charge alternator  
 Alternator: single bearing alternator IP23, insulation class H/H  
 Absorber  
 Dry type air filter, fuel filter, oil filter  
 Main line circuit breaker  
 Permanent Magnet Generator (PMG)  
 Standard control panel  
 Two 12V batteries, rack and cable  
 Ripple flex exhaust pipe, exhaust siphon, flange, muffler  
 User manual



PHOTO FOR REFERENCE ONLY

## Generator Ratings

Voltage	HZ	Phase	P.F (COS φ)	Standby Amps	Standby Ratings (KW/KVA)	Prime Ratings (KW/KVA)
440/254	50	3	0.8	1640	1000/1250	908/1135
415/240	50	3	0.8	1739	1000/1250	908/1135
400/230	50	3	0.8	1804	1000/1250	908/1135
380/220	50	3	0.8	1899	1000/1250	908/1135

Prime Power (PRP): Prime power is available for an unlimited number of annual hours in variable load application, in accordance with GB/T2820-97 (eqv ISO8528); A 10% overload capability is available for a period of 1 hour within a 12-hour period of operation.

Standby Power Rating (ESP): The standby power rating is applicable for supplying emergency power for the duration of a utility power interruption. No overload, utility parallel or negotiated outage operation capability is available at this rating.

## Sales Promises

YangKe Power provides a full line of brand new and high quality products. Each and every unit is strictly factory tested.

Warranty is according to our standard conditions: a, 15 months, counted on the day YangKe sold to the first buyer; b, One year after installation; c, 1000 running hours (accumulated); subject to the earlier one. Service and parts are available from YangKe Power or distributors in your location.

Specifications may change without notice

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## ENGINE DATA

Manufacturer / Model:	MTU/18V2000G65
Air Intake System:	Turbo, Air/Air Cooling
Fuel System:	Electronic Fuel Injection System
Cylinder Arrangement:	18 in "V"
Displacement:	35.82L
Bore and Stroke:	130*150 (mm)
Compression Ratio:	16.0
Rated RPM:	1500rpm
Max. Standby Power at Rated RPM:	1100KW (without fan)
Governor Type:	ADEC

## Exhaust System

Exhaust Gas Flow:	216m <sup>3</sup> /min
Exhaust Temperature:	575°C
Max Back Pressure:	8.5kPa

## Air Intake System

Max Intake Restriction:	5kPa
Burning Capacity:	75m <sup>3</sup> /min
Intake Flow:	1590m <sup>3</sup> /min

## Fuel System

100%(Prime Power) Load:	202 g/Kwh
75%(Prime Power) Load:	200 g/Kwh
50%(Prime Power) Load:	204 g/Kwh
100%(Prime Power) Load:	226L/h

## Oil System

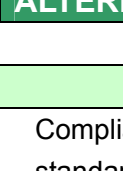
Total Oil Capacity:	130L
Oil Consumption:	0.5% Fuel Consumption
Engine Oil Tank Capacity:	110L
Oil Pressure at Rated RPM:	600-800kPa

## Cooling System

Total Coolant Capacity:	222L
Max Water Temperature:	102°C

Specifications may change without notice

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## ALTERNATOR SPECIFICATION

## GENERAL DATA

Compliance with GB755, BS5000, VDE0530, NEMAMG1-22, IED34-1, CSA22.2 and AS1359 standards.

## Alternator Data

Number of Phase:	3
Connecting Type:	3 Phase and 4 Wires, "Y" type connecting
Number of Bearing:	1
Power Factor:	0.8
Protection Grade:	IP23
Altitude:	≤1000m
Exciter Type:	Brushless, self-exciting
Insulation Class, Temperature Rise:	H/H
Telephone Influence Factor (TIF):	<50
THF:	<2%
Voltage Regulation, Steady State:	≤±1%
Alternator Capacity:	1135KVA
Alternator Efficiencies:	95.5%
Air Cooling Flow:	1.614m <sup>3</sup> /s

## GENERATING SET DATA

Voltage Regulation:	≥±5%
Voltage Regulation, Stead State:	≤±1%
Sudden Voltage Warp (100% Sudden Reduce):	≤+20%
Sudden Voltage Warp (Sudden Increase):	≤-15%
Voltage Stable Time (100% Sudden Reduce):	≤4S
Voltage Stable Time (Sudden Increase):	≤4S
Frequency Regulation, Stead State:	≤5% adjustable
Frequency Waving:	≤0.5%
Sudden Frequency Warp (100% Sudden Reduce):	≤+10%
Sudden Frequency Warp (Sudden Increase):	≤-7%
Frequency Recovery Time (100% Sudden Reduce):	≤3S
Frequency Recovery Time (Sudden Increase):	≤3S
Noise Level:	111dB
Emission Level:	TA-Luft

Specifications may change without notice

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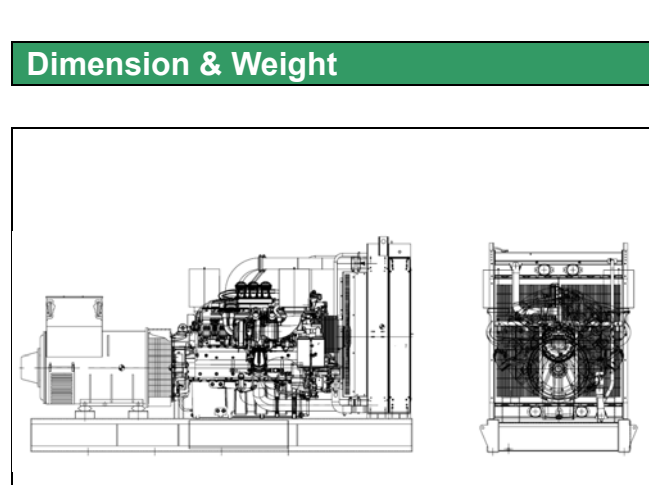
## Standard Features

- ◇ "COMAP" Standard Auto Control System
- ◇ Permanent Magnet Generator(PMG)
- ◇ Oil Drain Valve
- ◇ Documents
- ◇ Battery Charger
- ◇ Starting batteries( Maintenance-Free & Watering-Free) with connective wires
- ◇ Exhaust System( including until muffler)
- ◇ Special Coolant
- ◇ Water Separator
- ◇ Engine Heater

## Options

- ◇ Base Fuel Tank
- ◇ Daily Fuel Tank
- ◇ Alternator Heater
- ◇ Spare Parts
- ◇ Rainproof Type
- ◇ Soundproof Type
- ◇ Trailer Type
- ◇ Switch box
- ◇ Remote Control Panel
- ◇ Paralleling System
- ◇ Automatic Transfer Switch

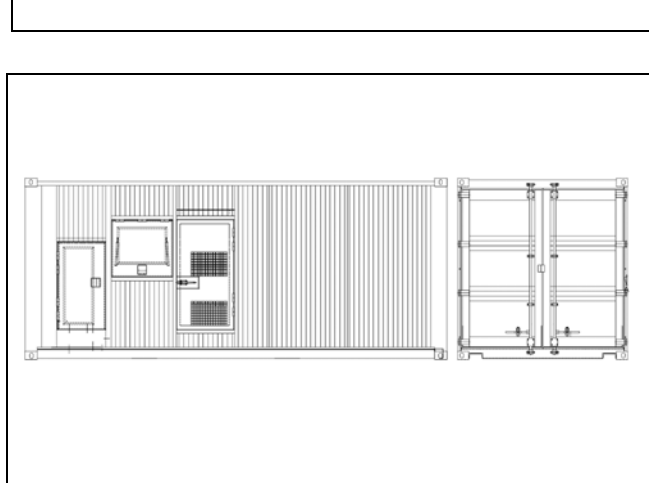
## Dimension &amp; Weight



## Standard Configuration (Open Type)

Overall Size:4750(mm)×2000 (mm) ×2380 (mm)

Weight: 9000 kg



## Soundproof Type (20'ft container)

Overall Size:6058 (mm) ×2438 (mm) ×2591 (mm)

Weight: 13000kg

Specifications may change without notice

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## Auto Module Control Panel



**Auto Module Control Panel** is the configuration for nobody on duty controlling generators. This kind of panel adopts auto module control system, with large LCD display to show the menu.

Features: MRS10-can receive remote output signal from ATS and realize auto start and stop of generators.

MRS16-can realize all functions of MRS10, add RS232 interface which can communicate with PC to realize remote operation.

AMF25-Auto Mains Failure controller, can realize all functions of MRS16, furthermore can detect ATS and control directly.

## Auto Parallel Control Panel



**Automatic Parallel Control Panel** This new automatic parallel system adopts intelligent modules, inserted and folded in circuit, to need the peripheral relay and logic circuit.

The main switch adopts electronic breaker or frame breaker, combined together with the generator, which is very reliable. One generator, one panel.

The panel can be used both for single and parallel. It is only need to parallel generator with such panel when the capability needs to be enlarged in the future.

Specifications may change without notice

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