

OYY 125

Diesel Generator

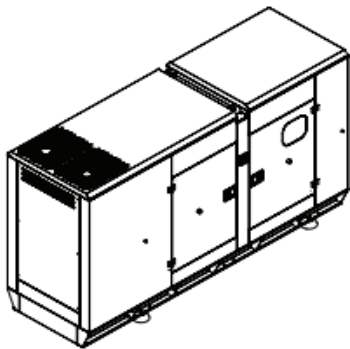


Stand By Power	kVA	125
	kW	100
Prime Power	kVA	113
	kW	90
Frequency	Hz	50
Cooling System	Water Cooling	

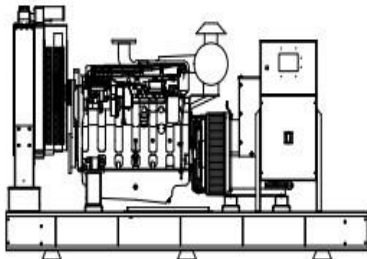
- 1) Standby power: The max power available during a variable electrical power sequence, under the stated operating conditions, for which a generating set is capable of delivering in the event of a utility power outage. Overloading isn't permissible.
- 2) Prime Power: The maximum power which a generating set is capable of delivering continuously whilst supplying a variable electrical load. Average load should be 70%. The generator can be overloaded 10% for 1 hour per 12 hrs.

DIMENSIONS & WEIGHT

WITH CANOPY



Length L (mm)	Width W (mm)	Height H (mm)	Weight (Kg)	Fuel Tank Capacity
2800	1000	1500	1250	220



OPENTYPE

Length L (mm)	Width W (mm)	Height H (mm)	Weight (Kg)	Fuel Tank Capacity
2350	1000	1700	1050	220



ENGINE

Engine	YANGDONG		
Engine Model			YD4GZLD
Number of Cylinders			4 Inline
Injection System			Direct
Compression Ratio			18
Bore		mm	110
Stroke		mm	118
Displacement		lt	4,4
Air Intake			Turboşarj with İntercooler
Speed (RPM)		rpm	1500
Oil Capacity		lt	12
Standby Power		kW / hp	99/ 133
Prime Power		kW / hp	90 / 121
Fuel Type			Euro Diesel
Governor System			Elektronik
Cooling System			Water Cooling
Coolant Capacity		lt	15,1
Fuel Consumption (lt / h)	Full Load		17,9
	%75 Load		13,6
	%50 Load		9,2

ALTERNATOR

Alternator Model			OYL274D
Frequency		Hz	50
Power		kVA	132
Voltage		V	230 / 400
Nb of Phases			3
Aut. Voltage Regulator (AVR)			AS440
Voltage Regulation			±1%
Insulation Class			H
Protection Standard			IP 22
Power Factor		Cos	0.8

TECHNICAL SPECIFICATIONS

ENGINE

- YANGDONG heavy duty diesel engine
- 12V starter and charge alternator
- Replaceable air, fuel and oil filters
- Mechanical governor control
- Tropical type radiator
- Flexible fuel hose
- Oil drain valve and extension hose
- Industrial type silencer and steel compensator
- Maintenance-free starter battery
- Water jacket heater
- 1500 rpm engine speed

ALTERNATOR

- IP21-23 Protection Standard
- H Insulation Class
- 50 Hz Frequency
- 4 pole brushless synchronous type alternator
- Automatic Voltage Regulator (AVR)
- 400/230V AC Output Voltage - 1500 rpm

SOUND PROOF CANOPY AND CHASSIS

- Convenient design for easy lifting and carrying
- High standard sound proof canopy design
- Modular design with easily removable nuts - bolts
- Lockable doors
- Transparent window for watching Control Panel
- Electrostatic powder painted, providing protection against harsh weather conditions
- Emergency STOP button
- Fuel tank inside the chassis
- Anti-vibration wedges (engine - chassis and chassis - ground)

OPTIONAL

- Thermal magnetic CB (for automatic models)
- Super Silent Canopy
- Mobile Generator Sets
- Automatic fuel filling system
- Synchronization panel
- 3 Pole and 4 Pole ATS (Automatic Transfer Switch)
- Fuel Heater, Oil Heater
- External fuel tank and automatic fuel filling system
- Fuel - water separator filter
- Remote monitoring and control system



OYAL
GENERATOR

CONTROL PANEL

D 300

Web based Next Generation Controller

SPECIFICATIONS

- Diesel and gas genset support
- 400Hz operationsupport
- 400 event logs, full snapshot
- All parameters front panel editable
- 3level configuration password
- 128x64 graphical LCD display
- Downloadable languages
- Waveform display of V & I
- Harmonic analysis of V & I
- 16Amp MCB & GCB outputs
- 8 configurable digital inputs
- 6configurable digital outputs
- 3 configurable analoginputs
- Both CANBUS-J1939 & MPU
- 3 configurable service alarms
- Multiple automaticexerciser
- Weekly operation schedule
- Dual mutual standby with equal aging of gensets
- Manual "speed fine adjust" on selected ECUs
- Automatic fuel pumpcontrol
- Disable protectionsfeature
- Excess powerprotection
- Reverse power protection
- Overload IDMT protection
- Loadshedding, dummy load
- Multiple loadmanagement
- Current unbalance protection
- Voltage unbalance protection
- Fuel filling & fuel theft alarms
- Battery back-up real time clock
- Idle speedcontrol
- Battery charge run enabled
- Combat modesupport
- Multiple nominalconditions
- Contactor & MCB drive
- 4quadrant genset power counters
- Mains powercounters
- Fuel fillingcounter
- Fuel consumptioncounter
- Modem diagnosticsdisplay
- Configurable through USB, RS-232 andGPRS
- Free configuration program
- Allows SMS controls
- Ready for centralmonitoring
- Mobile gensetsupport
- Automatic GSM geo-location
- GPS connectivity(RS232)
- Easy USB firmware upgrade
- IP65 rating with optional gasket

MEASUREMENTS

- Mains & genset PN/PP voltages
- Mains & genset frequency
- Mains & genset phase currents
- Mains & genset neutral currents
- Mains& genset, phase& total, kW, kVA, kVAr,pf
- Engine speed
- Battery voltage

FUNCTIONALITIES

- AMF unit
- ATS unit
- Remote startcontroller
- Manual startcontroller
- Engine controller
- Remote displaypanel

COMMUNICATION

- USB Device
- RS-232 (2400-57600baud)
- J1939-CANBUS
- Geo-locating throughGSM
- GPS support(RS-232)
- Internet CentralMonitoring
- SMS messagesending
- E-mail sending
- Free PC software: Rainbow Plus
- Modbus RTU
- Modbus TCP/IP

