



OYY-110

Diesel Generator



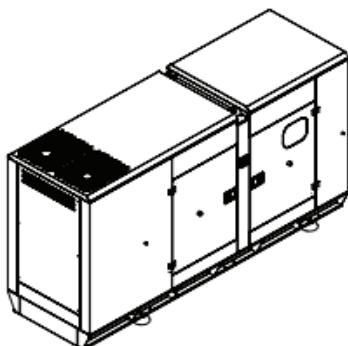
GENERAL SPECIFICATIONS

Stand By Power	kVA	110
	kW	88
Prime Power	kVA	100
	kW	80
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.

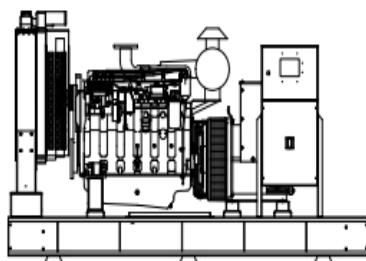
DIMENSIONS & WEIGHT

WITH CANOPY



Length L (mm)	Width W (mm)	Height H (mm)	Weight (Kg)	Fuel Tank Capacity
2800	1000	1500	1220	195

OPEN TYPE



Length L (mm)	Width W (mm)	Height H (mm)	Weight (Kg)	Fuel Tank Capacity
2350	1000	1700	1020	195

ENGINE

Engine	YANGDONG		
Engine Model			Y4110ZLD
Number of Cylinders			4 Inline
Injection System			Direct
Compression Ratio			18 : 1
Bore	mm		110
Stroke	mm		118
Displacement	lt		4.4
Air Intake			Turbocharged with intercooler
Speed (RPM)	rpm		1500
Oil Capacity	lt		12
Standby Power	kW / hp		88 / 118
Prime Power	kW / hp		80 / 108
Fuel Type			Euro Diesel
Governor System			Mechanical
Cooling System			Water Cooling
Coolant Capacity	lt		15.1
Fuel Consumption (lt / h)	Full Load		16.2
	%75 Load		12.5
	%50 Load		8.8

ALTERNATOR

Brand			OYL274c
Frequency	Hz		50
Power	Kva		110
Voltage	V		400
Nb of Phases			3
Aut. Voltage Regulator (AVR)			AS440
Voltage Regulation			±1%
Insulation Class			H
Protection Standard			IP23
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 enginespeed

ALTERNATOR

- IP23 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



D 300

Web based Next Generation Controller

SPECIFICATIONS

- Diesel and gas genset support

- 400Hz operation support

- 400 event logs, full snapshot

- All parameters front panel editable

- 3 level 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

- 6 configurable digital outputs

- 3 configurable analog inputs

- Both CANBUS-J1939 & MPU

- 3 configurable service alarms

- Multiple automatic exerciser

- Weekly operation schedule

- Dual mutual standby with equal aging of gensets

- Manual "speed fine adjust" on selected ECUs

- Automatic fuel pump control

- Disable protections feature

- Excess power protection

- Reverse power protection

- Overload IDMT protection

- Loadshedding, dummy load

- Multiple load management

- Current unbalance protection

- Voltage unbalance protection

- Fuel filling & fuel theft alarms

- Battery back-up real time clock

- Idle speed control

- Battery charge run enabled

- Combat mode support

- Multiple nominal conditions

- Contactor & MCB drive

- 4quadrant genset power counters

- Mains power counters

- Fuel filling counter

- Fuel consumption counter

- Modem diagnostics display

- Configurable through USB, RS-232 and GPRS

- Free configuration program

- Allows SMS controls

- Ready for centralmonitoring

- Mobile genset support

- 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 start controller

- Manual start controller

- Engine controller

- Remote display panel

COMMUNICATION

- USB Device

- RS-232 (2400-57600baud)

- J1939-CANBUS

- Geo-locating through GSM

- GPS support (RS-232)

- Internet Central Monitoring

- SMS messagesending

- E-mail sending

- Free PC software: Rainbow Plus

- Modbus RTU

- Modbus TCP/IP