



MG-YDE-0050

YANGDONG Series Diesel Generator Sets

Stand by	kVA	50
	kW	40

PRIME	kVA	45
	kW	36



YANGDONG



EMSA



Smart 500 mk



Water Cooled



50 hz



3 phase



Easy maintenance



Modular type sound-proof canopy



Diesel



Remote control system



Warning system for decreasing fuel



Engine Specifications

- YANGDONG series heavy duty diesel engine
- 4 Cycle, Water Cooling system, TURBOCHARGED Induction
- M / E governor system
- 12/24 volt self-starter and charger alternator
- Changeable air, fuel and oil filter
- Flexible fuel pipe
- Oil discharge valve and extension pipe
- Industrial type silencer, exhaust spiral or compensator
- Maintenance free battery
- Engine block water heater (in automatic models)
- Diesel gen-set maintenance and operating instructions and electrical circuit diagram

Model	Y4102ZLD		Governor type	M / E
Power	Stand by kW	53	Induction	TURBOCHARGED
	Prime kW	48	Combustion System	Direct
Speed (rpm)	1500		Cooling system	Water
Cycle	4		Fuel consumption 100%	13
Displacement (lt)	3,875		(lt/h) 75%	10
Number of cylinders	4, in line		50%	8
Bore & Stroke	102 x 118		Total lubrication system capacity (lt)	13
Compression ratio	18 : 1		Total coolant capacity (lt)	15,1



Alternator Specifications

- Brushless, single bearing, flexible disc 4 poles alternator for harmonic failure
- H type isolation class
- IP 21-23 protection class
- Self exciter
- Electronic automatic voltage regulator
- Stator 2/3 step for harmonic failure
- The alternator windings are protected by insulating varnish against oil and acid

Brand	EMSA	phase	3
Model	EGK180-36N2	A.V.R.	SX460
Frequency (hz)	50	Voltage regulation (+/-)	± 1%
Power (KVA)	50	Insulation system	Class H
Design	4 pole, brushless	Protection	IP23
Connection type	Star	Rated power factor	0,8
Voltage (V)	400	Weight (kg)	194



Canopy

- Modular type sound-proof canopy
- Canopy installation executed with screw and nut, without welding process
- Epoxy and polyester powder painted canopy
- Weatherproof canopy rating is IP 23
- Canopy designed for easy maintenance



Dimensions (W x L x H) mm 1000x2300x1545



Weight (Kg) 846



Fuel tank capacity (lt) 101

- Lockable doors on both sides of canopy
- Emergency stop button
- Transparent panel inspection window
- Insulation details: Non-flammable acoustic foam
- Nano tech cleaning system



Dimensions (W x L x H) mm 1000x1900x1326



Weight (Kg) 636



Fuel tank capacity (lt) 101

Silencer options

- Standard industrial type
- Critical type
- Hospital type

Canopy options

- Standard canopy
- Super silent canopy
- Extra süper silent canopy (thicker insulation)

Gen-Set safety protection & alarms

- High water temperature
- Low oil pressure
- High & low engine speed
- Low radiator water level

- Over current load
- High & low genset voltage
- Start/stop failure

Optional Equipments

- Charge ammeter
- Moulded case circuit breaker (in automatic models)
- Hospital/Critical type silencer
- Modular type sound-proof canopy
- Mobile - trailer
- Synchronization control panel for 2-16 gensets

- 3 pole/4 pole automatic transfer panel (A.T.S.)
- Fuel and oil heater
- Alternator heater
- Automatic fuel filling system
- Fuel-water separator filter
- PMG warning system