



MG-YDE-0054/M

YANGDONG Series Diesel Generator Sets

Stand by	COS PHI	0,8	1
	kVA	53,8	
	kW	43	

PRIME	COS PHI	0,8	1
	kVA	48,9	
	kW	39,1	



YANGDONG



EMSA



Smart 500 mk



Water Cooled



50 hz



1 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	
Power	Stand by kW	52,8
	Prime kW	48
Speed (rpm)	1500	
Cycle	4	
Displacement (lt)	3,875	
Number of cylinders	4, in line	
Bore & Stroke	102 x 118	
Compression ratio	18 : 1	

Governor type	M / E	
Induction	TURBOCHARGED	
Combustion System	Direct	
Cooling system	Water	
Fuel consumption (lt/h)	100%	13,2
	75%	10,22
	50%	7,57
Total lubrication system capacity (lt)	13	
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

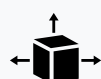
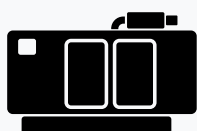
Brand	EMSA	
Model	EGK225-70N	
Frequency (hz)	50	
Power (KVA) (Phi 0,8/1)	54/43	
Design	4 pole, brushless	
Connection type	Double Delta	
Voltage (V)	220	

phase	1	
A.V.R.	SX460	
Voltage regulation (+/-)	± 1%	
Insulation system	Class H	
Protection	IP23	
Rated power factor		
Weight (kg)	321	



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

1000x2300x1420



Weight (Kg)

1074,1



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

1000 x 1900 x 1420



Weight (Kg)

899



Fuel tank capacity (lt)

101

Silencer options

- Standard industrial type
- Critical type
- Hospital type

Gen-Set safety protection & alarms

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

Canopy options

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

Optional Equipments

- Charge ammeter
- Moulded case circuit braker (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 seperator filter
- PMG warning system