



MG-YDE-0022

YANGDONG Series Diesel Generator Sets

Stand by	kVA	22
	kW	18

PRIME	kVA	20
	kW	16



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, Natural Induction
- Electronic 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	YND485D		Governor type	Electronic
Power	Stand by kW	19	Induction	Natural
	Prime kW	17	Combustion System	Direct
Speed (rpm)	1500		Cooling system	Water
Cycle	4		Fuel consumption 100%	5
Displacement (lt)	2,156		(lt/h) 75%	4
Number of cylinders	4, in line		50%	3
Bore & Stroke	85 x 95		Total lubrication system capacity (lt)5,5	
Compression ratio	18 : 1		Total coolant capacity (lt) 12,5	



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	EGK160-16N2	A.V.R.	SX460
Frequency (hz)	50	Voltage regulation (+/-)	± 1%
Power (KVA)	23	Insulation system	Class H
Design	4 pole, brushless	Protection	IP23
Connection type	Star	Rated power factor	0,8
Voltage (V)	400	Weight (kg)	97



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

900x1950x1337



Weight (Kg)

588,8



Fuel tank capacity (lt)

82

- 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

900x1600x1190



Weight (Kg)

404



Fuel tank capacity (lt)

82

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