



MG-VLE-0305

VOLVO Series Diesel Generator Sets

Stand by	kVA	305
	kW	244

PRIME	kVA	277
	kW	222



VOLVO



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

- VOLVO series heavy duty diesel engine
- 4 Cycle, Water Cooling system, TURBOCHARGED - INTERCOOLER 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	TAD 1341 GE	
Power	Stand by kW	298
	Prime kW	271
Speed (rpm)	1500	
Cycle	4	
Displacement (lt)	12,78	
Number of cylinders	6, in line	
Bore & Stroke	131 x 158	
Compression ratio	18,1 : 1	

Governor type	Electronic	
Induction	TURBOCHARGED - INTERCOOLER	
Combustion System	Direct	
Cooling system	Water	
Fuel consumption (lt/h)	100%	56
	75%	43
	50%	31
Total lubrication system capacity (lt)	36	
Total coolant capacity (lt)	46	



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	EGK280-250N
Frequency (Hz)	50
Power (KVA)	330
Design	4 pole, brushless
Connection type	Star
Voltage (V)	400

phase	3
A.V.R.	SX440
Voltage regulation (+/-)	± 1%
Insulation system	Class H
Protection	IP23
Rated power factor	0,8
Weight (kg)	940



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

1400x3950x2575 *



Weight (Kg)

3547



Fuel tank capacity (lt)

850

- 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

1400x3500x2100



Weight (Kg)

2911



Fuel tank capacity (lt)

850

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