



MG-PRE-0033

PERKINS Series Diesel Generator Sets

Stand by	kVA	33
	kW	26

PRIME	kVA	30
	kW	24



PERKINS



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

- PERKINS series heavy duty diesel engine
- 4 Cycle, Water Cooling system, Natural Induction
- Mechanic 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	1103A-33G		Governor type	Mechanic	
Power	Stand by kW	30,4	Induction	Natural	
	Prime kW	27,7	Combustion System	Direct	
Speed (rpm)	1500		Cooling system	Water	
Cycle	4		Fuel consumption 100%	7,2	
Displacement (lt)	3,3		(lt/h)	75%	5,61
Number of cylinders	3, in line			50%	4,6
Bore & Stroke	105 x 127		Total lubrication system capacity (lt)	8,3	
Compression ratio	19,25 : 1		Total coolant capacity (lt)	10,2	



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	EGK180-24N2		A.V.R.	SX460	
Frequency (hz)	50		Voltage regulation (+/-)	± 1%	
Power (KVA)	35		Insulation system	Class H	
Design	4 pole, brushless		Protection	IP23	
Connection type	Star		Rated power factor	0,8	
Voltage (V)	400		Weight (kg)	132	



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) 899



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 1000x1900x1396



Weight (Kg) 689



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