



MG-PRE-1656

PERKINS Series Diesel Generator Sets

Stand by	kVA	1656
	kW	1325

PRIME	kVA	1505
	kW	1204



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, 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	4012-46TAG2A	
Power	Stand by kW	1395
	Prime kW	1267
Speed (rpm)	1500	
Cycle	4	
Displacement (lt)	45,842	
Number of cylinders	12 - 60° V	
Bore & Stroke	160 x 190	
Compression ratio	13,6 : 1	

Governor type	Electronic	
Induction	TURBOCHARGED - INTERCOOLER	
Combustion System	Direct	
Cooling system	Water	
Fuel consumption (lt/h)	100%	310
	75%	234
	50%	157
Total lubrication system capacity (lt)	177	
Total coolant capacity (lt)	210	



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	EG450-1200N	
Frequency (hz)	50	
Power (KVA)	1725	
Design	4 pole, brushless	
Connection type	Star	
Voltage (V)	400	

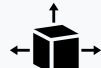
phase	3	
A.V.R.	EVC600	
Voltage regulation (+/-)	± 1%	
Insulation system	Class H	
Protection	IP23	
Rated power factor	0,8	
Weight (kg)	3020	



Container

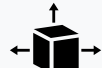
- Chassis parts and load-bearing construction are manufactured from 140mm NPU
- The base metal sheet is manufactured from 2/3 diamond-shaped metal sheet
- Sidewall metal sheets are manufactured from 1.5mm ST 37 DKP trapezoidal metal sheet
- The top metal sheet will be manufactured from 1.5mm ST 37 DKP trapezoidal metal sheet
- Air disposing and suction parts are manufactured with the normal shutter in bolt-mounted hot-plug
- Lifting lugs are manufactured to bear the total load of the container (with generator)(8 pcs ISO Locked)
- PPG RAL 9010 paint application is followed for painting
- Internal illumination has 2x1x18 Watt waterproof fixture and 1x1x16 A monophasic plug fitting



	Dimensions (W x L x H) mm	2280x6750x3322 *
	Weight (Kg)	13406
	Fuel tank capacity (lt)	2500

- Top wall isolation is 0.8mm galvanised perforated metal sheet coating on 8cm fibro-glass glass wool plate
- The double-winged main door is manufactured with a pipe-type locking mechanism
- Service doors are manufactured with 4 single-winged and internal panic bar mechanisms to be locked outside (These doors are designed mounted inside the container body and doorknobs do not exceed container body)
- Emergency stop button on long edges
- Warning signs are placed to necessary places inside and outside the container



	Dimensions (W x L x H) mm	2200x4950x2720
	Weight (Kg)	11318
	Fuel tank capacity (lt)	2500

Silencer options

- Standard industrial type
- Critical type
- Hospital type

Container Options

- Standard container
- Acoustic container

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