

22 KVA Diesel Generator

Diesel Generator Sets

STAND BY	KVA	22
PRIME	KVA	20



Water Cooled

3 phase



50 Hz

Diesel



Easy maintenance

Warning system for decreasing fuel with electronic fuel level sender



Modular type sound- proof canopy

Remote control system



Engine Specifications

- PERKINS heavy duty diesel engine 2022 or latest manufacture year
- 4 stroke 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

MODEL	404A-22G1 or latest	
POWER	STAND BY kW	20,3
	PRIME kW	18,4
SPEED (rpm)	1500	
Cycle	4 stroke	
DISPLACEMENT (lt)	2,216	
NUMBER OF CYLINDERS	4 in line	
BORE AND STROKE	4 x 100	
COMPRESSION RATIO	23,3 : 1	

- Oil discharge valve and extension pipe
- Industrial type silencer, exhaust spiral or compensator
- Maintenance free original battery
- Engine block water heater
- Diesel gen-set maintenance and operating instructions and electrical circuit diagram

GOVERNOR TYPE	Mechanic	
Induction	NATURAL	
COMBUSTION SYSTEM	INDIRECT	
Cooling System	WATER	
FUEL CONSUMPTION	100 % OF PRIME POWER	5,3(lt/h)
	75% OF PRIME POWER	4
	50% OF PRIME POWER	2,9
TOTAL LUBRICATION SYSTEM CAPACITY (lt)	10,6	
TOTAL COOLANT CAPACITY (lt)	7	



Alternator Specifications

- Brushless, single bearing, flexible disc 4 poles alternator for harmonic failure
- H type isolation class
- IP 21-23 protection class
- Self exciter

BRAND	STAMFORD or Leroy Somer	
FREQUENCY (HZ)	50	
POWER (KVA)	22	
DESIGN	4 pole, brushless	
CONNECTION TYPE	Star	
VOLTAGE (V)	400	

- Electronic automatic voltage regulator
- Stator 2/3 step for harmonic failure
- The alternator windings are protected by insulating varnish against oil and acid

Phase	3	
A.V.R.	DM710	
VOLTAGE REGULATION (+/-)	± 1%	
INSULATION SYSTEM	Class H	
PROTECTION	IP23	
RATED POWER FACTOR	0,8	
WEIGHT COMP. ALTERNATOR (KG)	97	

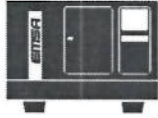


Handwritten signature or initials in blue ink.

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


- Lockable doors on both sides of canopy
- Emergency stop button
- Transparent panel inspection window
- Insulation details: Non-flammable acoustic foam
- Nano tech cleaning system
- Container optional





 Dimensions (W x L x H) mm **900 x 1950 x 1337**

 Dimensions (W x L x H) mm **900 x 1600 x 1145**

 Weight (Kg) **630,8**

 Weight (Kg) **446**

 Fuel tank capacity (lt) **82**
Internal type

 Fuel tank capacity (lt) **82**
Internal type



Internal type

SILENCER OPTIONS

- Standard industrial type

CANOPY OPTIONS

- Standard sound proof canopy (75db/3m)

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

OTHER REQUIRMENTS

Fuel and oil Heater
 Fuel and water separator
 Water Jacket Heater
 DSE automatic charger
 (230AC/12V 6A DC)



Handwritten signature in blue ink.