

110 KVA Diesel Generator Sets

STAND BY	KVA	110
PRIME	KVA	100



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



Handwritten signature

Engine Specifications

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

MODEL	1104C-44TAG2	
POWER	STAND BY kW	99,5
	PRIME kW	90,1
SPEED (rpm)	1500	
Cycle	4 stroke	
DISPLACEMENT (lt)	4,4	
NUMBER OF CYLINDERS	3, in line	
BORE AND STROKE	105 x 127	
COMPRESSION RATIO	18,2 : 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	Electronic	
Induction	TURBOCHARGED -	
INTERCOOLER COMBUSTION SYSTEM	DIRECT	
Cooling System	WATER	
FUEL CONSUMPTION (lt/h)	100 % OF PRIME POWER	22,6
	75% OF PRIME POWER	17,1
	50% OF PRIME POWER	11,2

TOTAL LUBRICATION SYSTEM CAPACITY (lt)	8
TOTAL COOLANT CAPACITY (lt)	12,6



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)	110	
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.	SX460	
VOLTAGE REGULATION (+/-)	± 1%	
INSULATION SYSTEM	Class H	
PROTECTION	IP23	
RATED POWER FACTOR	0,8	
WEIGHT COMP. ALTERNATOR (KG)	406	

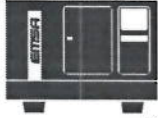


Handwritten signature in blue ink.

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 **1000 x2600 x1535**

 Dimensions (W x L x H) mm **1000 x 2200 x1385**

 Weight (Kg) **1346,4**

 Weight (Kg) **1110**

 Fuel tank capacity (lt) **139**
Internal type

 Fuel tank capacity (lt) **139**
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