22kVA Deisel 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



Abdular type sound- proof canopy

Remote control system

Standby Rating for a standby engine should be sized for a maximum of 70% average load factor and roughly 200 hours per year. Standby power ratings should never be applied except in true emergency outage situations. With standby rated generators there is no overload capability built into the units.

Continuous Power is used in applications where suppliying power is at a constant %100 load for an unlimited number of hours each year. Continuous power rated units are most widely used in applications where the power grid is unreachable.

Prime Power is the maximum power accessible at the variable load for an unlimited number of hours per year in a variable load setting. It is not advisable that the variable load exceed 70% average of the prime power rating during any operational period. If the engine is running at 100% prime power, yearly hours should not exceed 500. Overload situations should be avoided however a 10% overload capability is available for a 1 hour period within a 12 hour cycle of operation.

Engine Specifications

- PERKINS or equivalent 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

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

- Oil discharge valve and extention 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

N	Techanic
NATURAL	
STEM	INDIRECT
	WATER
100% OF	5,3(lt/h)
PRIME POWER	
75% OF PRIME	4
POWER	
50% OF PRIME POWER	2,9
	NATURAL TEM 100% OF PRIME POWER 75% OF PRIME POWER 50% OF PRIME

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 equivalent		
MODEL	S0L2-G1		
FREQUENCY (HZ)	50		
POWER (KVA)	22		
DESIGN	4 pole, brushless		
CONNECTION TYPE	Star		
VOLTAGE (V)	400		

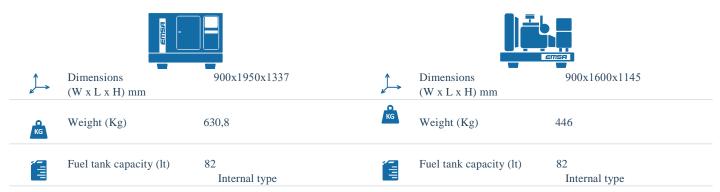
- Electronic automatic voltage regulator
- Stator 2/3 step for harmonic failure
- The alternator windings are protected by insulating varnish against oil and acid

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	

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-flammeable acoustic foam
- Nano tech cleaning system
- Container optional





Internal type

SILENCER OPTIONS

- Standard industrial type
- Critical type
- Hospital type

CANOPY OPTIONS

- Standard canopy
- Super silent canopy
- Extra süper silent canoy (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
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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