

# 15kVA Deisel Generator

## Diesel Generator Sets

STAND BY	kVA	15
PRIME	kVA	13



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

**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 supplying 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	403A-15G1 or latest	
POWER	STAND BY kW	13,2
	PRIME kW	12
SPEED (rpm)	1500	
Cycle	4	
DISPLACEMENT (lt)	1,496	
NUMBER OF CYLINDERS	3 in line	
BORE AND STROKE	84 x 90	
COMPRESSION RATIO	22,5 : 1	

- 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

GOVERNOR TYPE	Mechanic		
Induction	NATURAL		
COMBUSTION SYSTEM	INDIRECT		
Cooling System	WATER		
FUEL CONSUMPTION (lt/h)	100% OF PRIME POWER	OF PRIME POWER	3,7
	75% OF PRIME POWER		2,8
	50% OF PRIME POWER		2
TOTAL LUBRICATION SYSTEM CAPACITY (lt)	6		
TOTAL COOLANT CAPACITY (lt)	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

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

BRAND	STAMFORD or equivalent	
MODEL	S0L1-P1	
FREQUENCY (HZ)	50	
POWER (KVA)	11	
DESIGN	4 pole, brushless	
CONNECTION TYPE	Star	
VOLTAGE (V)	400	

Phase	3		
A.V.R.	DM710		
VOLTAGE REGULATION (+/-)	± 1%		
INSULATION SYSTEM	Class H		
PROTECTION	IP23		
RATED POWER FACTOR	0,8		
WEIGHT COMP. ALTERNATOR (KG)	78		

## 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 900x1750x1337



Dimensions  
(W x L x H) mm 900x1400x1145



Weight (Kg) 573,4



Weight (Kg) 397



Fuel tank capacity (lt) 82  
Internal type



Fuel tank capacity (lt) 82  
Internal type



Internal type

### SILENCER OPTIONS

- Standard industrial type
- Critical type
- Hospital type

### CANOPY OPTIONS

- Standard canopy
- Super silent canopy
- Extra super 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
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### OTHER 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