



MG-PRS-0059/6

PERKINS Series Diesel Generator Sets

Stand by	kVA	59
	kW	47,2

PRIME	kVA	53
	kW	42,4



PERKINS



STAMFORD



Smart 500 mk



Water Cooled



60 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 Induction
- Mechanic 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	1103A-33TG1		Governor type	Mechanic
Power	Stand by kW	54	Induction	TURBOCHARGED
	Prime kW	49	Combustion System	Direct
Speed (rpm)	1800		Cooling system	Water
Cycle	4		Fuel consumption 100%	12,9
Displacement (lt)	3,3		(lt/h) 75%	9,9
Number of cylinders	3, in line		50%	7,1
Bore & Stroke	105 x 127		Total lubrication system capacity (lt) 7,9	
Compression ratio	17,25 : 1		Total coolant capacity (lt) 10,2	



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		Voltage regulation (+/-)	± 1%	
Frequency (hz)	60		Insulation system	Class H	
Design	4 pole, brushless		Protection	IP23	
phase	3		Rated power factor	0,8	

Brand	Voltage (V)	Stand by	Continuous	A.V.R.	Connection type	Weight (kg)
S1L2-N	220	55,4	50,4	AS540	Parallel Star	193,79
S1L2-Y	380	65,3	59,4	AS540	Series Star	240,87
S1L2-N	440	55,4	50,4	AS540	Series Star	193,79



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



Dimensions
(W x L x H) mm

1000x2300x1420



Weight (Kg)

1090,5



Fuel tank capacity (lt)

101

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



Dimensions
(W x L x H) mm

1000x1900x1420



Weight (Kg)

916



Fuel tank capacity (lt)

101

Silencer options

- Standard industrial type
- Critical type
- Hospital type

Gen-Set safety protection & alarms

- High water temperature
- Low oil pressure
- High & low engine speed
- Low radiator water level

Canopy options

- Standard canopy
- Super silent canopy
- Extra süper silent canopy (thicker insulation)

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