



MG-PRS-0700/6

PERKINS Series Diesel Generator Sets

Stand by	kVA	700
	kW	560

PRIME	kVA	650
	kW	520



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 - INTERCOOLER Induction
- Electronic 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	2806A-E18TAG1A	
Power	Stand by kW	598
	Prime kW	543
Speed (rpm)	1800	
Cycle	4	
Displacement (lt)	18,1	
Number of cylinders	6, in line	
Bore & Stroke	145 x 183	
Compression ratio	14,5 : 1	

Governor type	Electronic	
Induction	TURBOCHARGED - INTERCOOLER	
Combustion System	Direct	
Cooling system	Water	
Fuel consumption (lt/h)	100%	202
	75%	201
	50%	210
Total lubrication system capacity (lt)	62	
Total coolant capacity (lt)	61	



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	
Frequency (hz)	60	
Design	4 pole, brushless	
phase	3	

Voltage regulation (+/-)	± 1%
Insulation system	Class H
Protection	IP23
Rated power factor	0,8

Brand	Voltage (V)	Stand by	Continuous	A.V.R.	Connection type	Weight (kg)
HCI544E	220	769	713	AS440	Parallel Star	1543
HCI544F	380	728,9	669,3	AS440	Series Star	1685
HCI544E	440	769	713	AS440	Series Star	1543



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

1700x4400x2860



Weight (Kg)

6298



Fuel tank capacity (lt)

980

- 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

1700x3500x2160



Weight (Kg)

5641



Fuel tank capacity (lt)

980

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

Optional 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

Canopy options

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

- Over current load
- High & low genset voltage
- Start/stop failure

- 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