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Standards : 2006/42/EC Machinery safety, 2006/95/EC Low voltage, EN 60204-1 : 2006+A1 : 2009, EN ISO 12100 : 2010, EN ISO 8528-13: 2016, ENISO 13849-1 : 2015, EN 60204-1 : 2018

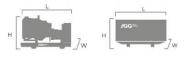
PRP: Prime power is available for an unlimited number of annual operating hours in variable load applications , in accordance with ISO 8528-1.

ESP: The standby power rating is applicable for suppling emergency power in variable load applications in accordance with ISO 8528-1.overload is not allowed.

Conditions : According to the standard, the nominal power assigned by the genset is given for  $25^{\circ}$  C air inlet temperature, of a barometric pressure of 100 kPA (100 m A.S.L), and 30 % relative humidity.

# **GENERAL INSTALLATION**

ITEMS	OPEN	SILENT
Dimension(L*W*H) (mm)	ТВА	TBA
Weight(kg)	TBA	TBA
Fueltank(L)	TBA	TBA
Sound pressure level @75% load&1m dB(A) @75% load&7m dB(A)		TBA TBA



NOTE: Weights and dimensions based on standard products. According to 2000/14/CE, sound data is provided at 7m for 75% prime power. For actual installation, please contact the manufacturer.

## **GENERATOR SPECIFICATION**

ITEMS	PRP	EPS
Power	280kVA	313kVA
Power	224kW	250kW
Frequency / Phase / Power factor	60Hz / 3F	9 / PF0.8
Standard voltage	220/	127V
Available voltage	240/127V	
Water-cooled T Three Phase	© 60Hz	Diesel

PERFORMANC	E DATA		
Engine brand		PERKINS	
Engine model		1506A-E88TAG3	
Fuel		Diesel	
Aspiration		Turbocharged and air to air after cooled	
Cooling Wa		Water-cooled	
Governor		ECM	
Cyl arrangement		6L	
Application	Application Prime & Standby		
Fuel consumption	100% ESP(L/H) 100% PRP(L/H) 75% PRP(L/H) 50% PRP(L/H)	69.8 63.1 47.5 33.1	



# ENGINE SPECIFICATION

BASIC DATA	
Engine brand	PERKINS
Engine model	1506A-E88TAG3
Displacement	8.8 L
No. of cyl / arrangement	6 L
Bore x stroke	112 x 149mm
Compression ratio	16.1 : 1
Engine speed	1800rpm
Engine type	4-stroke diesel

### COOLING SYSTEM

Radiator air flow	482 m³/min
Total oil capacity	41 L
Total coolant capacity	29.6 L

ELECTRICAL SYSTEM	
Starter motor rated voltage	DC24V
Start battery	2x120Ah(850CCA)
Battery charging alternator	DC24V/45A

#### EXHAUST SYSTEM

Max. fuel flow

496°C
48.9 m³/min
10 kPa
60.9 kPa

INLET AIR	
Air filter	Dry type
Max. combustion air Intake restriction	6.2 kPa
Combustion air inlet flow rate	19.8 m³/min
Max. allowable combustion air inlet temp	50°C

# ALTERNATOR SPECIFICATION

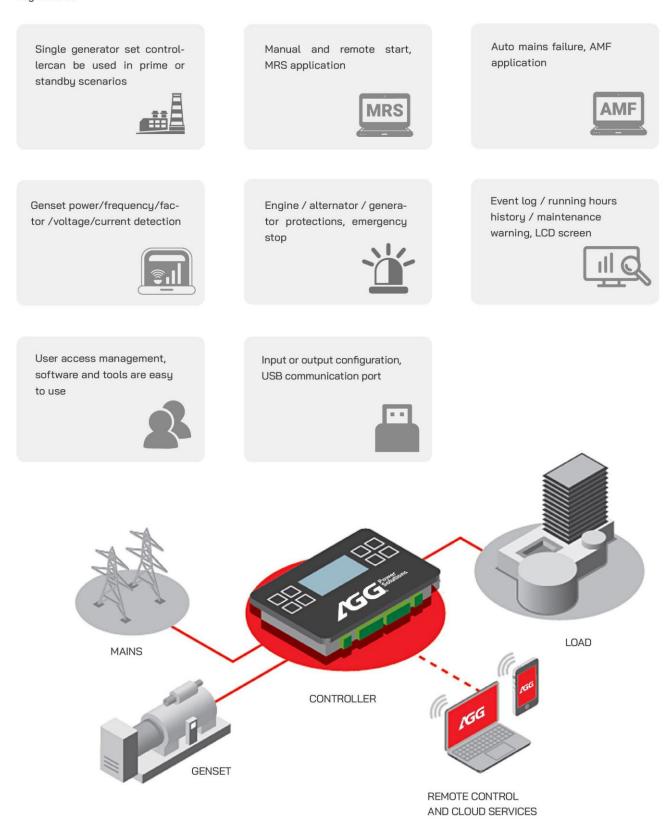
BASIC DATA		BASIC DATA	
Insulation & temperature rise	Class H/H	Туре	Brushless
Excitation type	Self-excited	No. of bearings	Single bearing
Winding leads	12	Coupling system	Flexible disc
Winding connections (standard)	Star	Maximum over speed	2250 RPM
Winding pitch	Two thirds	Coating type	Vacuum impregnation
Number of phase	Three phase	IP rating	IP23

380 L/H



### CONTROL SYSTEM

Key features





### **GENSET VERSION**

STANDARD FEATL
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- Diesel engine, 50 degrees radiator, brushless alternator
- Intelligent controller
- Output circuit breaker (up to1250A)
- Maintenance-free start battery, battery charge, battery switch
- Steel industrial silencer, exhaust bellows and elbows
- Steel chasis and anti-vibration shock absorbers
- Lifting and moving structure, expansion of oil and coolant discharge
- Moving parts protection, hot parts protection
- Special toolbox, delivery attached documentation

### OPTIONAL FEATURES

ENGINE

CONTROL

SYSTEM

SET

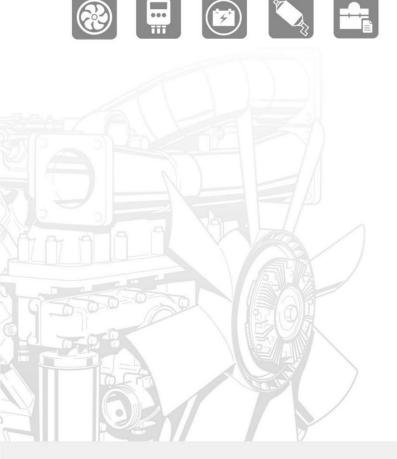
- Water jacket preheater
- Oil Preheater, oil level maintainer, oil manual pump
- Heavy air filtration
- Residential silencer
- · Remote radiator, heat exchanger
- PMG/AREP excitation system
- Anti-condensation heater
- - Double bearing structure
  - IP44 protection class

### Synchronizing panel, remote control panel

- RS232/485, 4G & GPS wireless, ethernet communication card
- Additional digital/analog input/output
- Monitoring software, mobile APP
- Ni-Cad batteries

#### External fuel tank, automatic fuel feeding

- GENERATING 
  ATS/output /combining/distribution cabinet
  - Load test cabinet
    - Mobile trailer
  - Customized design



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