









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

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.

GENERATOR SPECIFICATION

ITEMS	PRP	EPS
Power	200kVA	220kVA
Power	160kW	176kW
Frequency / Phase / Power factor	60Hz / 3P / PF0.8	
Standard voltage	220/127V	
Available voltage	220/127V	



Water-cooled



Three Phase







GENERAL INSTALLATION

ITEMS	OPEN	SILENT
Dimension(L*W*H) (mm)	2600*765*1490	3317*1155*1660
Weight(kg)	1615	2250
Fueltank(L)	220	250
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.

PERFORMANC	E DATA		
Engine brand		PERKINS	
Engine model		1106A-70TAG3	
Fuel		Diesel	
Aspiration	Turbocharged and Air charge cooled		
Cooling	Water-cooled		
Governor		Mechanical	
Cyl arrangement		6L	
Application		Prime & Standby	
Fuel consumption	100% ESP(L/H) 100% PRP(L/H) 75% PRP(L/H) 50% PRP(L/H)	50.5 46.4 35.3 22.7	



ENGINE SPECIFICATION

BASIC DATA	
Engine brand	PERKINS
Engine model	1106A-70TAG3
Displacement	7.01 L
No. of cyl / arrangement	6 L
Bore x stroke	105 x 135mm
Compression ratio	16 : 1
Engine speed	1800rpm
Engine type	4-stroke diesel
EXHAUST SYSTEM	
Exhaust stack gas temperature (max.)	485 °C

282 m³/min
18 L
20.5 L

5 - 31	
EXHAUST SYSTEM	
Exhaust stack gas temperature (max.)	485 °C
Exhaust gas flow rate (max.)	38.3 m³/min
Exhaust system backpressure (maximum allowable)	6.0 kPa

ELECTRICAL SYSTEM	
Starter motor rated voltage	DC12V
Start battery	120Ah(850CCA)
Battery charging alternator	DC12V/65A

INLET AIR	
Air filter	Dry type
Max. combustion air Intake restriction	5 kPa
Combustion air inlet flow rate	16.37 m³/min
Max. allowable combustion air inlet temp	50°C

ALTERNATOR SPECIFICATION

FUEL SYSTEM

Max. fuel flow

Maximum restriction at lift pump

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

50 kPa

180 L/H



CONTROL SYSTEM

Key features

Single generator set controllercan be used in prime or standby scenarios



Manual and remote start, MRS application



Auto mains failure, AMF application



Genset power/frequency/factor /voltage/current detection



Engine / alternator / generator protections, emergency stop



Event log / running hours history / maintenance warning, LCD screen

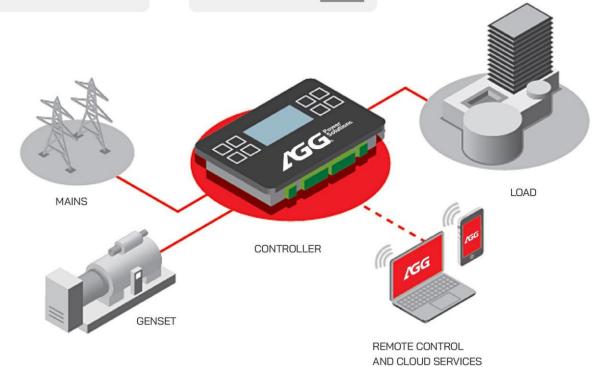


User access management, software and tools are easy to use



Input or output configuration, USB communication port







GENSET VERSION

STANDARD FEATURES

- 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

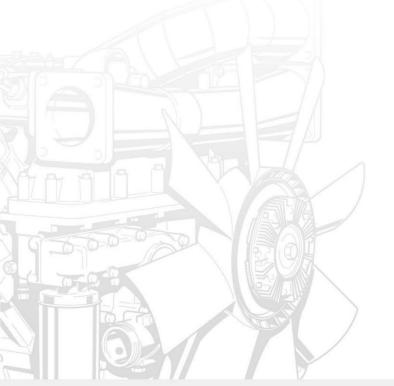












OPTIONAL FEATURES

- 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
- ALTERNATOR Winding/bearing RTD
 - Double bearing structure
 - IP44 protection class

CONTROL SYSTEM

ENGINE

- · 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

GENERATING SET

- · External fuel tank, automatic fuel feeding
- ATS/output /combining/distribution cabinet
- Load test cabinet
- Mobile trailer
- Customized design

Tel: +86 591 8639 6829 Fax: +86 591 8639 6929 Email: info@aggpowersolutions.com Web: www.aggpower.co.uk

- Follow us @AGGPOWER
- Follow us @AGG Power Group
- Follow us @AGG Power Group

