









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	40kVA	44kVA
Power	32kW	35kW
Frequency / Phase / Power factor	50Hz / 3P / PF0.8	
Standard voltage	400/230V	
Available voltage	380/220V · 415/240V	



Water-cooled



Three Phase







GENERAL INSTALLATION

ITEMS	OPEN	SILENT
Dimension(L*W*H) (mm)	2020*750*1190	2298*1054*1250
Weight(kg)	800	1100
Fuel tank(L)	180	100
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.

PERFORMANCE DATA			
Engine brand		AGG	
Engine model		AF3860-53D	
Fuel		Diesel	
Aspiration		Natural	
Cooling		Water-cooled	
Governor		Electronic	
Cyl arrangement		4L	
Application		Prime & Standby	
Fuel consumption	100% ESP(L/H) 100% PRP(L/H) 75% PRP(L/H) 50% PRP(L/H)	9.4 8.52 6.48 4.6	



ENGINE SPECIFICATION

BASIC DATA	
Engine brand	AGG
Engine model	AF3860-53D
Displacement	3.86L
No. of cyl / arrangement	4L
Bore x stroke	102x118mm
Compression ratio	17.0 : 1
Engine speed	1500rpm
Engine type	4-stroke diesel
EXHAUST SYSTEM	
Exhaust stack gas temperature (max.)	550°C
Exhaust gas flow rate (max.)	7.3 m³/min
Exhaust system backpressure (maximum allowable)	6.7 kPa

COOLING SYSTEM	
Radiator air flow	66 m³/min
Total oil capacity	13L
Total coolant capacity	20 L

DC24V
2x60Ah(580CCA)
DC24V/35A

INLET AIR	
Air filter	Dry type
Max. combustion air Intake restriction	6.3kPa
Combustion air inlet flow rate	2.66 m ³ /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

TBA

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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

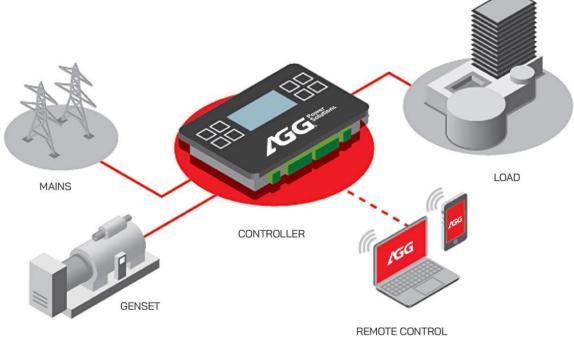


User access management, software and tools are easy to use



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

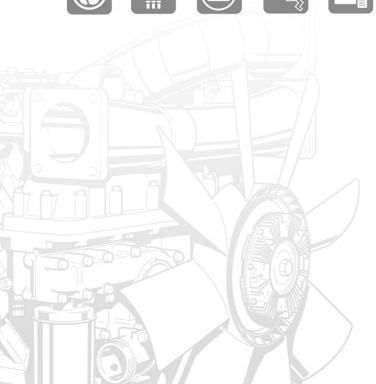












OPTIONAL FEATURES

- · 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

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