







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° 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)	3420*1320*2450	4908*1854*2560
Weight(kg)	4250	5111
Fueltank(L)	1100	1050
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	563kVA	625kVA
Power	450kW	500kW
Frequency / Phase / Power factor	60Hz / 3F	P / PF0.8
Standard voltage	220/	127V
Available voltage	240/138V	
Water-cooled T Three Phase	© 60Hz	Diesel

PERFORMANC	E DATA	
Engine brand		CUMMINS
Engine model		KTA19-G3A
Fuel		Diesel
Aspiration		Turbocharged, Aftercooled
Cooling		Water-cooled
Governor		Electronic
Cyl arrangement		6L
Application		Prime & Standby
Fuel consumption	100% ESP(L/H) 100% PRP(L/H) 75% PRP(L/H) 50% PRP(L/H)	135 122 93 66



ENGINE SPECIFICATION

BASIC DATA	
Engine brand	CUMMINS
Engine model	KTA19-G3A
Displacement	18.9L
No. of cyl / arrangement	6L
Bore x stroke	159x159mm
Compression ratio	13.9 : 1
Engine speed	1800rpm
Engine type	4-stroke diesel

COOLING SYSTEM

Radiator air flow	15m³/s
Total oil capacity	50L
Total coolant capacity	85L

ELECTRICAL SYSTEM	
Starter motor rated voltage	DC24V
Start battery	2x120Ah(850CCA)
Battery charging alternator	DC24V/35A

EXHAUST SYSTEM

Max. fuel flow

Exhaust stack gas temperature (max.)	504 °C
Exhaust gas flow rate (max.)	1862 L/S
Exhaust system backpressure (maximum allowable)	10 kPa
FUEL SYSTEM	
Maximum restriction at lift pump	27 kPa

INLET AIR	
Air filter	Dry type
Max. combustion air Intake restriction	6.2 kPa
Combustion air inlet flow rate	716 L/S
Max. allowable combustion air inlet temp	50°C

ALTERNATOR SPECIFICATION

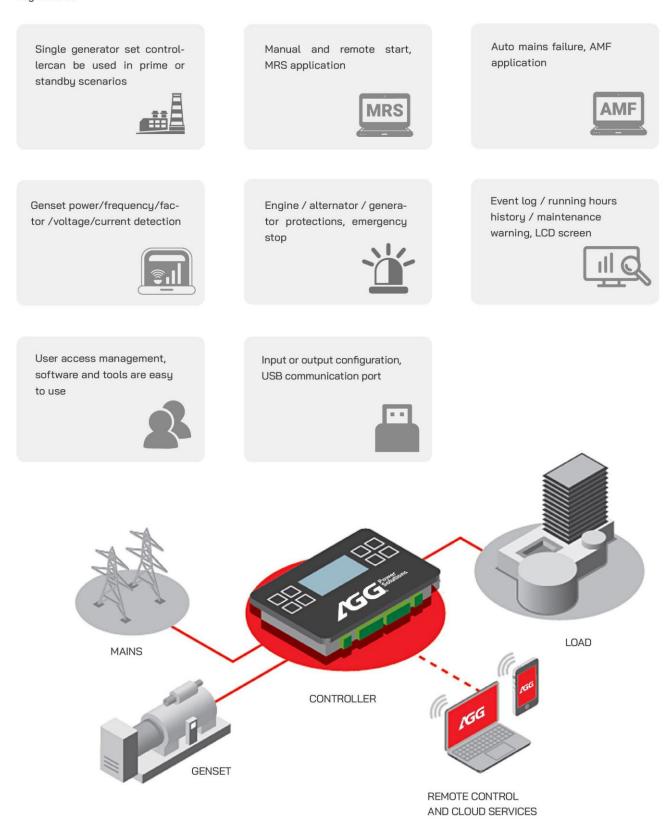
BASIC DATA		BASIC DATA	
Insulation & temperature rise	Class H/H	Туре	Brushless
Excitation type	Self-excited	No. of bearings	Single bearing
Winding leads	6	Coupling system	Flexible disc
Winding connections (standard)	Star	Maximum over speed	2250 RPM
Winding pitch	Two thirds	Coating type	Vacuum impregnation
Number of phase	Three phase	IP rating	IP23

220 L/H



CONTROL SYSTEM

Key features





GENSET VERSION

STANDARD FEATU

- 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

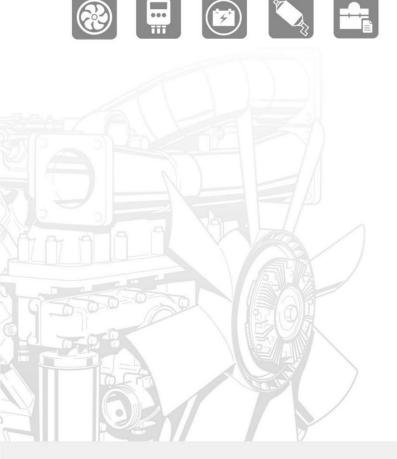
- Water jacket preheater
- Oil Preheater, oil level maintainer, oil manual pump
- Heavy air filtration
- Residential silencer
- · Remote radiator, heat exchanger
- PMG/AREP excitation system
- Anti-condensation heater
- - Double bearing structure
 - IP44 protection class

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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