







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) | 3140*1215*1804 | 4203*1354*2257 |
| Weight(kg) | 2710 | 3690 |
| Fueltank(L) | 600 | 800 |
| 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 | 375kVA | 413kVA |
| Power | 300kW | 330kW |
| Frequency / Phase / Power factor | 50Hz / 3P | / PF0.8 |
| Standard voltage | 400/230V | |
| Available voltage | 380/220V· | 415/240V |
| Water-cooled T Three Phase | © 50Hz | Diesel |

| PERFORMANC | E DATA | |
|------------------|--|--|
| Engine brand | | CUMMINS |
| Engine model | | QSM11-G3 |
| Fuel | | Diesel |
| Aspiration | | Turbocharged and Air to Air 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) | 69 61 46 32 |



ENGINE SPECIFICATION

| BASIC DATA | |
|--------------------------|-----------------|
| Engine brand | CUMMINS |
| Engine model | QSM11-G3 |
| Displacement | 10.8L |
| No. of cyl / arrangement | 6L |
| Bore x stroke | 125x147mm |
| Compression ratio | 16.1 : 1 |
| Engine speed | 1500rpm |
| Engine type | 4-stroke diesel |

COOLING SYSTEM

| Radiator air flow | TBA m³/s |
|------------------------|----------|
| Total oil capacity | 36.7L |
| Total coolant capacity | 76.5L |

| ELECTRICAL SYSTEM | |
|-----------------------------|-----------------|
| Starter motor rated voltage | DC24V |
| Start battery | 2x120Ah(850CCA) |
| Battery charging alternator | DC24V/70A |

EXHAUST SYSTEM

Max. fuel flow

| Exhaust stack gas temperature (max.) | 510 °C |
|---|-----------|
| Exhaust gas flow rate (max.) | 880 L/S |
| Exhaust system backpressure (maximum allowable) | 10.25 kPa |
| | |
| FUEL SYSTEM | |
| Maximum restriction at lift pump | 27.1 kPa |

| INLET AIR | |
|--|----------|
| Air filter | Dry type |
| Max. combustion air Intake restriction | 85 kPa |
| Combustion air inlet flow rate | 350 L/S |
| Max. allowable combustion air inlet temp | 50°C |

ALTERNATOR SPECIFICATION

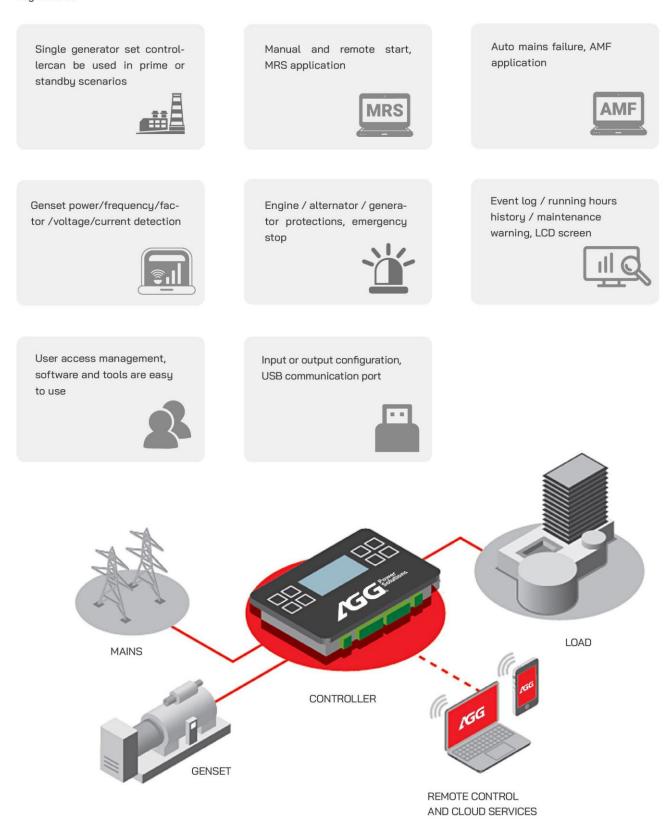
| BASIC DATA | | BASIC DATA | |
|--------------------------------|--------------|--------------------|---------------------|
| Insulation & temperature rise | Class H/H | Туре | Brushless |
| Excitation type | Self-excited | No. of bearings | Single bearing |
| Winding leads | 12 | Coupling system | 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 |

293 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

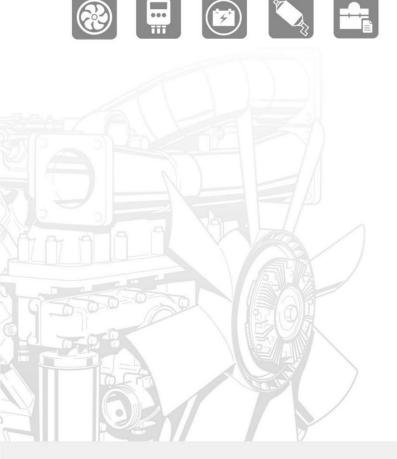
- Water jacket preheater
- Oil Preheater, oil level maintainer, oil manual pump
- Heavy air filtration
- Residential silencer
- · Remote radiator, heat exchanger
- PMG/AREP excitation system
- Anti-condensation heater
- - Double bearing structure
 - IP44 protection class

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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