

M3250E5

Industrial Range Powered By MTU

AGG Power Solutions



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, EN ISO 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 supplying 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.

GENERATOR SPECIFICATION

| ITEMS | PRP | EPS |
|----------------------------------|---------------------|---------|
| Power | 3000kVA | 3250kVA |
| Power | 2400kW | 2600kW |
| Frequency / Phase / Power factor | 50Hz / 3P / PF0.8 | |
| Standard voltage | 400/230V | |
| Available voltage | 380/220V · 415/240V | |



Water-cooled



Three Phase



50Hz



Diesel

GENERAL INSTALLATION

| ITEMS | OPEN | SILENT |
|--|------|-----------------|
| Dimension(L*W*H)(mm) | TBA | 12192*2438*2896 |
| Weight(kg) | TBA | 24000 |
| Fuel tank(L) | N/A | 2000 |
| Sound pressure level @75% load&1m dB(A) | | TBA |
| @75% load&7m dB(A) | | 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 | MTU | |
| Engine model | 20V4000G34F | |
| Fuel | Diesel | |
| Aspiration | Turbocharged and Intercooling | |
| Cooling | Water-cooled | |
| Governor | ECU | |
| Cyl arrangement | 20V | |
| Application | Prime & Standby | |
| Fuel consumption | 100% ESP(L/H) | 689.5 |
| | 100% PRP(L/H) | 636.4 |
| | 75% PRP(L/H) | 470.9 |
| | 50% PRP(L/H) | 258.0 |

ENGINE SPECIFICATION

BASIC DATA

| | |
|--------------------------|-----------------|
| Engine brand | MTU |
| Engine model | 20V4000G34F |
| Displacement | 95.4L |
| No. of cyl / arrangement | 20V |
| Bore x stroke | 170x210mm |
| Compression ratio | 16.4 : 1 |
| Engine speed | 1500rpm |
| Engine type | 4-stroke diesel |

EXHAUST SYSTEM

| | |
|---|------------------------|
| Exhaust stack gas temperature (max.) | 515 °C |
| Exhaust gas flow rate (max.) | 10.3 m ³ /s |
| Exhaust system backpressure (maximum allowable) | 85 mbar |

FUEL SYSTEM

| | |
|----------------------------------|----------|
| Maximum restriction at lift pump | 11.0 Bar |
| Max. fuel flow | 27 L/min |

COOLING SYSTEM

| | |
|------------------------|-------------------------|
| Radiator air flow | TBA m ³ /min |
| Total oil capacity | 390 L |
| Total coolant capacity | 800 L |

ELECTRICAL SYSTEM

| | |
|-----------------------------|-----------------|
| Starter motor rated voltage | DC24V |
| Start battery | 4x120Ah(850CCA) |
| Battery charging alternator | DC24V/TBA |

INLET AIR

| | |
|--|-----------------------|
| Air filter | Dry type |
| Max. combustion air Intake restriction | 50 mbar |
| Combustion air inlet flow rate | 3.6 m ³ /s |
| Max. allowable combustion air inlet temp | 50°C |

ALTERNATOR SPECIFICATION

BASIC DATA









| | |
|--------------------------------|--------------|
| Insulation & temperature rise | Class H/H |
| Excitation type | Self-excited |
| Winding leads | 6 |
| Winding connections (standard) | Star |
| Winding pitch | Two thirds |
| Number of phase | Three phase |

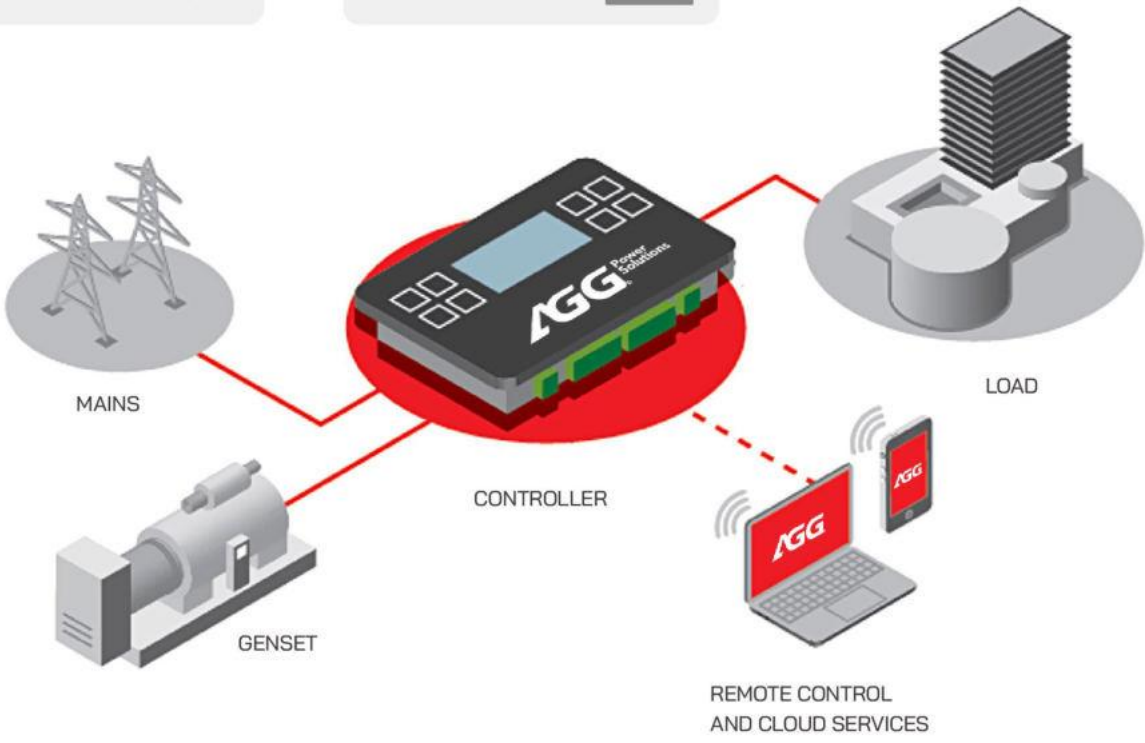
BASIC DATA

| | |
|--------------------|---------------------|
| Type | Brushless |
| No. of bearings | Single bearing |
| Coupling system | Flexible disc |
| Maximum over speed | 2250 RPM |
| Coating type | Vacuum impregnation |
| IP rating | IP23 |

CONTROL SYSTEM

Key features

- Single generator set controller can 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 to 1250A)
- 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

- Water jacket preheater
- Oil Preheater, oil level maintainer, oil manual pump
- Heavy air filtration
- Residential silencer
- Remote radiator, heat exchanger

ALTERNATOR

- PMG/AREP excitation system
- Anti-condensation heater
- Winding/bearing RTD
- Double bearing structure
- IP44 protection class

CONTROL SYSTEM

- 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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| Weight(kg) | TBA | 24000 |
| Fuel tank(L) | N/A | 2000 |
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| Engine model | 20V4000G63LF | |
| Fuel | Diesel | |
| Aspiration | Turbocharged and Intercooling | |
| Cooling | Water-cooled | |
| Governor | ECU | |
| Cyl arrangement | 20V | |
| Application | Prime & Standby | |
| Fuel consumption | 100% ESP(L/H) | 605.2 |
| | 100% PRP(L/H) | 558.7 |
| | 75% PRP(L/H) | 410.4 |
| | 50% PRP(L/H) | 283.6 |

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| Bore x stroke | 170x210mm |
| Compression ratio | 16.4 : 1 |
| Engine speed | 1500rpm |
| Engine type | 4-stroke diesel |

EXHAUST SYSTEM

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|---|-----------------------|
| Exhaust stack gas temperature (max.) | 520 °C |
| Exhaust gas flow rate (max.) | 8.8 m ³ /s |
| Exhaust system backpressure (maximum allowable) | 85 mbar |

FUEL SYSTEM

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|----------------------------------|----------|
| Maximum restriction at lift pump | 9.0 Bar |
| Max. fuel flow | 27 L/min |

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| Radiator air flow | TBA m ³ /min |
| Total oil capacity | 390 L |
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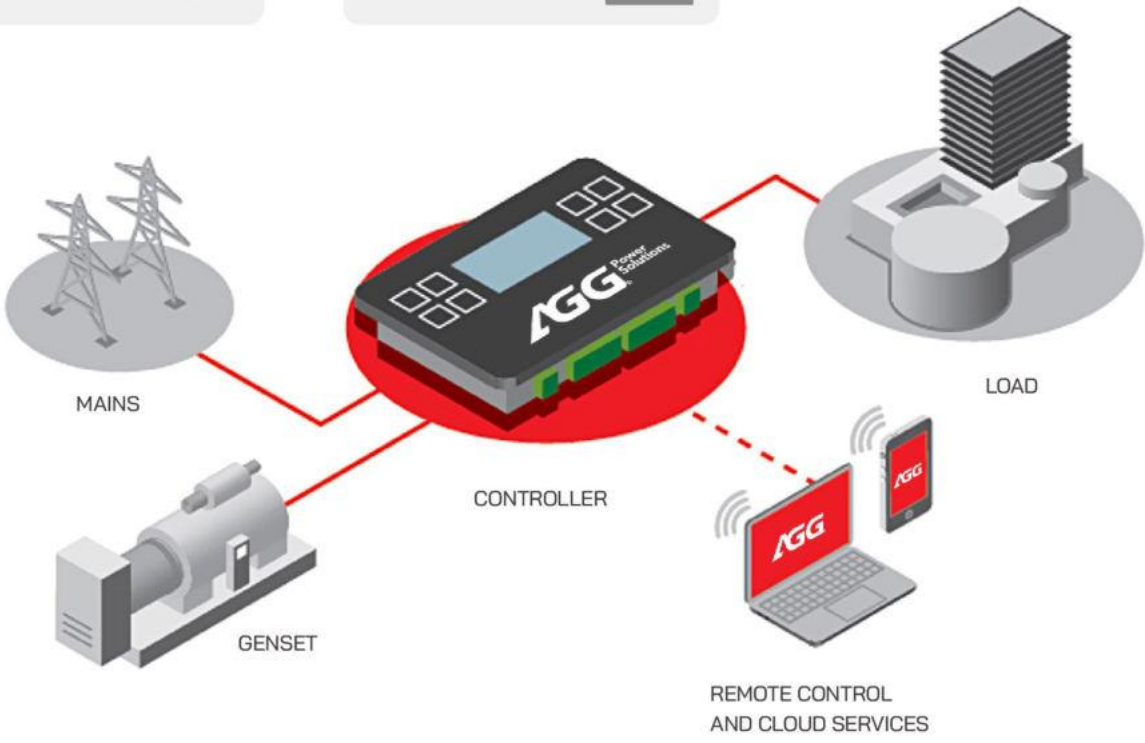

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