

H330D5

Industrial Range Powered By HYUNDAI

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 | 300kVA | 330kVA |
| Power | 240kW | 264kW |
| 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) | 2965*1125*1746 | 4216*1470*2340 |
| Weight(kg) | 2300 | 3900 |
| Fuel tank(L) | 500L | 780L |
| 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 | HYUNDAI | |
| Engine model | P126TI-II | |
| Fuel | Diesel | |
| Aspiration | Turbo charged & Intercooled | |
| Cooling | Water-cooled | |
| Governor | Electronic | |
| Cyl arrangement | 6L | |
| Application | Prime & Standby | |
| Fuel consumption | 100% ESP(L/H) | 77.6 |
| | 100% PRP(L/H) | 63.1 |
| | 75% PRP(L/H) | 47.0 |
| | 50% PRP(L/H) | 31.3 |

ENGINE SPECIFICATION

| BASIC DATA | |
|--------------------------|-----------------|
| Engine brand | HYUNDAI |
| Engine model | P126TI-II |
| Displacement | 11.051 L |
| No. of cyl / arrangement | 6L |
| Bore x stroke | 123 x 155mm |
| Compression ratio | 17.1 : 1 |
| Engine speed | 1500rpm |
| Engine type | 4-stroke diesel |

| EXHAUST SYSTEM | |
|---|-------------|
| Exhaust stack gas temperature (max.) | 650 °C |
| Exhaust gas flow rate (max.) | 51.2 m³/min |
| Exhaust system backpressure (maximum allowable) | 5.9 kPa |

| FUEL SYSTEM | |
|----------------------------------|---------|
| Maximum restriction at lift pump | 60 kPa |
| Max. fuel flow | 230 L/H |

| COOLING SYSTEM | |
|------------------------|------------|
| Radiator air flow | 450 m³/min |
| Total oil capacity | 23 L |
| Total coolant capacity | 51 L |

| ELECTRICAL SYSTEM | |
|-----------------------------|-----------------|
| Starter motor rated voltage | DC24V |
| Start battery | 2x120Ah(885CCA) |
| Battery charging alternator | DC28.5V/45A |

| INLET AIR | |
|--|--------------|
| Air filter | Dry type |
| Max. combustion air Intake restriction | 6.23 kPa |
| Combustion air inlet flow rate | 22.33 m³/min |
| Max. allowable combustion air inlet temp | 50°C |

ALTERNATOR SPECIFICATION

| BASIC DATA | | BASIC DATA | |
|--------------------------------|--------------|--------------------|---------------------|
| Insulation & temperature rise | Class H/H | Type | 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 |

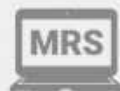
CONTROL SYSTEM

Key features

Single generator set control-
ler can be used in prime or
standby scenarios



Manual and remote start,
MRS application



Auto mains failure, AMF
application



Genset power/frequency/fac-
tor /voltage/current detection



Engine / alternator / genera-
tor protections, emergency
stop



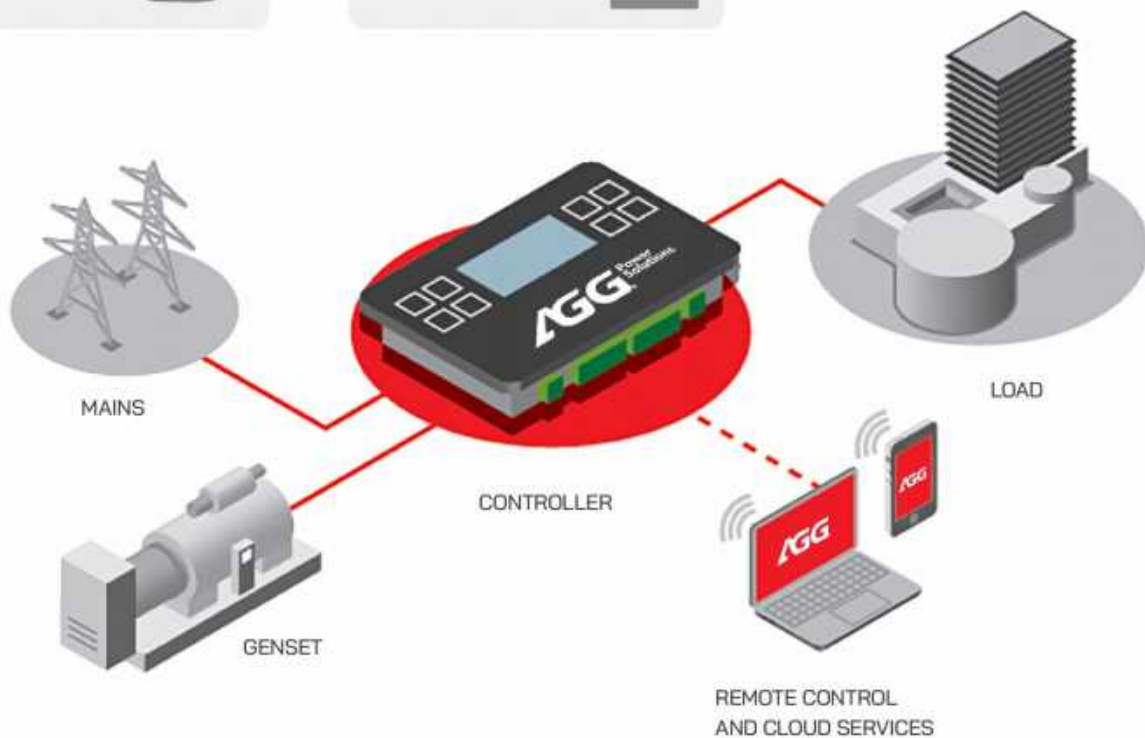
Event log / running hours
history / maintenance
warning, LCD screen



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