POWER IS OUR WORLD

About Product

IDE

IDEA generator sets are designed to be used as backup or continuous power supply. They are subjected to detailed load and performance tests in our production facilities in order to provide ideal performance and safe usage.



Power Output Values

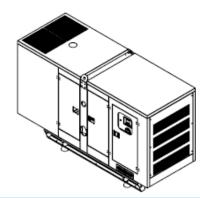
| Voltage | Sta | Standby Power (ESP) | | | Prime Power (PRP) | | |
|---------|---------|---------------------|--------|---------|-------------------|--------|--|
| | kVA | kW | Ampere | kVA | kW | Ampere | |
| 400/231 | 550 kVA | 440kW | 794 | 500 kVA | 400 kW | 722 | |
| | | | | | | | |

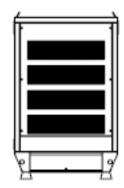
Standby Power (ESP) : This rating is for the supply of continuous electrical power at variable load , in the event of utility power failure. No overload is permitted.

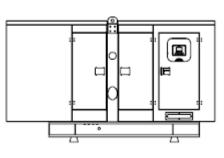
Prime Power (PRP) : This rating is for the supply of continuous electrical power at variable load. There is no limitation on the annual hours in operation and 10% overload power can be supplied for 1 hour in 12.

Weight And Dimensions

| Туре | Width x Length x Height (mm) | Weight (kg) | Fuel Tank (Lt) | Sound dB(A) @7mt |
|--------------|---------------------------------|----------------|-------------------|---------------------|
| Open | 1500x3500x1900 mm | 3650 kg | 700 lt | ТВА |
| Soundproofed | 1500x4800x2420 mm | 4200 kg | 700 lt | ТВА |









90 216 313 42 77 info@ideajenerator.com

REV NO:2020-00

IDEA Makina İmalat Sanayi Tic. Ltd. Şti. istanbul Deri O.S.B. Sama Cd. (12.Yol) No:7 TUZLA / ISTANBUL Tel : +90 216 313 42 77 I Fax : +90 216 313 42 79

www.ideajenerator.com I info@ideajenerator.com



POWER IS OUR WORLD

Engine



| Frequency | | 50 Hz | | |
|----------------------------------|--------|--------------------|--|--|
| Output Rating | kW | 477 | | |
| Manufacturer and Model | | CUMMINS - QSX15-G8 | | |
| Fuel | | Diesel | | |
| Injection | | Direct | | |
| Aspiration | | Turbocharged | | |
| Cylinders | | 6 | | |
| Bore and Stroke | mm | 137×169 | | |
| Displacement | lt | 15 | | |
| Cooling | | Water | | |
| Engine Oil Specification | | SAE 15W40 | | |
| Engine Oil Capacity | lt | 91 | | |
| Coolant Capacity (incl.radiator) | lt | 42 | | |
| Governor | | Electronical | | |
| Air Filter | | Dry element | | |
| FUEL CONSUMPTION | | | | |
| 100 % Load | lt/h | 103 | | |
| 75 % Load | lt/h | 78,8 | | |
| 50 % Load | lt/h | 54,7 | | |
| AIR SYSTEM | | | | |
| Intake Air Flow | m³/min | 11,8 | | |
| STARTING SYSTEM | | | | |
| Battery Capacity | Ah | 2x120 | | |
| Auxiliary Voltage | V | 24 | | |

Alternator

| Poles | 4 pole |
|---------------------------------|-------------------------------------|
| Winding Connections | Star |
| Insulation | Class H |
| Enclosure | IP23 |
| Exciter System | Self regulating Brushless |
| Voltage Regulator | AVR |
| Steady State Voltage Regulation | ± 1 % |
| Bearing | Single bearing sealed |
| Coupling | Flexible disc |
| Cooling | Direct drive centrifugal blower fan |



+90 216 313 42 77 info@ideajenerator.com



INDUSTRIAL RANGE DATASHEET

IDJ550C

POWER IS OUR WORLD

Control Panel IDP300

The new IDP300 genset controller is a cost effective modular genset controller ready for internet monitoring through plug-in modules.

Its main advantages are multifunctionality, support for multiple topologies, harmonic analysis and detailed power measurements.



Software features are complete with easy firmware upgrade through USB port. The Windows based PC software allows monitoring and programming through USB, RS-485, RS-232, Ethernet and GPRS.

The Rainbow Scada web service allows monitoring and control of an unlimited number of gensets from a single central location.

Optional Equipments

Some Optional Equipment IDEA Provides with Generator Sets;

- Remote radiator applications,
- Automatic fuel filling system,
- Fuel tank, oil pan, instrument panel, alternator, coil heaters,
- Synchronization systems,
- Generator output fuse,
- Mains generator transfer switches,
- Seismic solutions,
- Remote monitoring
- Other requested solutions

Reference Standards

IDEA Generator Sets are CE approved and comply with the following standards;

- Power according to ISO 3046 and ISO 8528
- EN 12100, EN 13857, EN 60204
- 2006/42/CE Machinery Safety
- 2006/95/EC Low Voltage
- 2004/108/CE EMC
- Ambient reference conditions 1000 mbar, 25 °C, 30 % relative humidity ISO8528

All the information in this leaflet is intended for general purposes only. IDEA reserves the right to change the specifications without notice.



90 216 313 42 77 info@ideajenerator.com IDEA Makina İmalat Sanayi Tic. Ltd. Şti. İstanbul Deri O.S.B. Sama Cd. (12.Yol) No:7 TUZLA / İSTANBUL Tel : +90 216 313 42 77 l Fax : +90 216 313 42 79 www.ideajenerator.com l info@ideajenerator.com