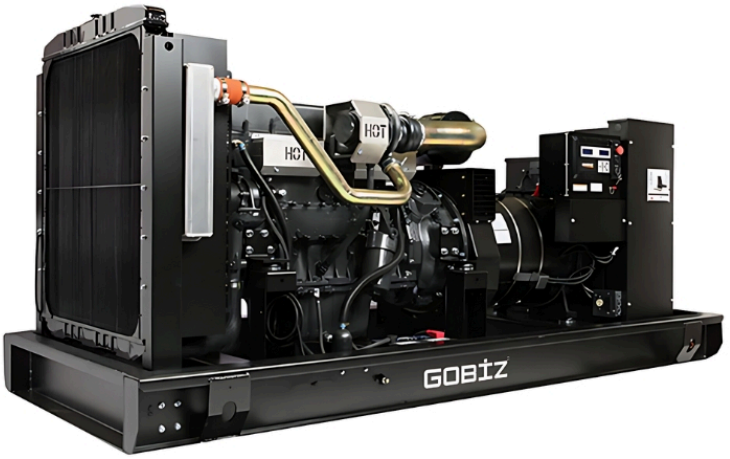
GOBİZ GENERATOR




PRODUCTION TR

## ABOUT THE PRODUCT

GOBIZ GENERATOR sets are designed to provide reliable and continuous power even under the most challenging conditions. This generator set offers optimal performance, reliability, and versatility for power generation systems, backup, main power, and continuous duty applications. Our generators are supported by after-sales maintenance services, comprehensive warranties, and worldwide spare parts supply.

## POWER VALUES

| VOLTAGE (V) | STANDY-BY POWER (ESP) | | | PRIME POWER (PRP) | | | 3 PHASE / 50 HZ |
|---|---|---|---|---|---|---|---|
| | KVA | / | KW | KVA | / | KW | AMPERE |
| 400/231 | 550,00 | / | 440,00 | 500,00 | / | 400,00 | 792,00 |

**Stand By Rating (ESP):** This refers to the operation of generators under varying loads for specified time intervals. They can operate as backup power but are not suitable for operation under overload conditions.

**Prime Rating (PRP):** This refers to the operation of generators as a continuous power source when there is no grid electricity. It allows for a 10% overload for one hour every 12 hours.

## GENERAL FEATURES

| | |
|---|---|
| Model Name | GBIV-550 |
| Frequency (HZ) | 50 |
| Fuel Type | Diesel |
| Engine Brand | FTP-Iveco |
| Alternator Brand **(Optional)** | Business / Stamford / Leroy Somer / Gensan |
| Control Panel **(Optional)** | Datakom / Gobiz / Deepsea / Mebay |
| Soundproofing Cabin Model | CAB-550 |

## ENGINE FEATURES

| | |
|---|---|
| Engine Brand | FPT Industrial |
| Engine Model | CR13TE7W.S550 |
| Number of Cylinders | 6 |
| Bore (mm) | 135 |
| Stroke (mm) | 150 |
| Cylinder Volume (L) | 12.9 |
| Air Intake | Turbocharged |
| Governor (Gov.) | Electronic |

| | | |
|---|---|---|
| Compression Ratio | | 16.5:1 |
| Speed Max/Min (rpm) | | 1500/1800 |
| Oil Capacity (L) | | 32 L |
| Cooling Fluid Capacity (L) | | 38.1 L |
| Engine Stand-by Power (kW / HP) | | 480 kW / 643.7 HP |
| Engine Prime Power (kW / HP) | | 436 kW / 584.7 HP |
| Fuel System | | Electronic |
| Injection and System | | Common Rail |
| Cooling Method | | Liquid (water) |
| Electric Start System | | 24 Vdc |
| **GENSET Fuel Consumption** | | |
| 100% | Fuel Consumption in Use L/h | 112,60 |
| 75% | Fuel Consumption in Use L/h | 87,70 |
| 50% | Fuel Consumption in Use L/h | 57,00 |

GOBIZ GENERATOR generator sets use heavy-duty, 4-Stroke (mm) (mm) industrial diesel engines. These engines provide reliable power, low emissions, and quick response to load changes. The engine cooling system is designed and tested for nominal ambient temperatures, simplifying facility design requirements.





BUSINESS GENSAN LEROY-SOMER meccalte STAMFORD

GOBIZ GENERATOR alternators are designed using the latest technology to ensure high efficiency and reliability. The low reactance 2/3 pitch windings provide low waveform distortion with non-linear loads and offer short-circuit capability. Class H insulation ensures safe and efficient operation even at high temperatures. Our alternators also provide high dynamic performance and durability against short circuits, allowing them to respond quickly to sudden load changes.

## ALTERNATOR FEATURES

| | |
|---|---|
| Alternator Brand **(Optional)** | Business / Stamford / Leroy Somer / Gensan |
| Frequency (Hz) | 50 |
| Voltage (V) | 400 / 230 |
| Phase | 3 |
| Voltage (V) Regulation | (+/-)1% |
| Insulation System | H |
| Protection Class | IP23 |
| Power Factor | 0.8 |

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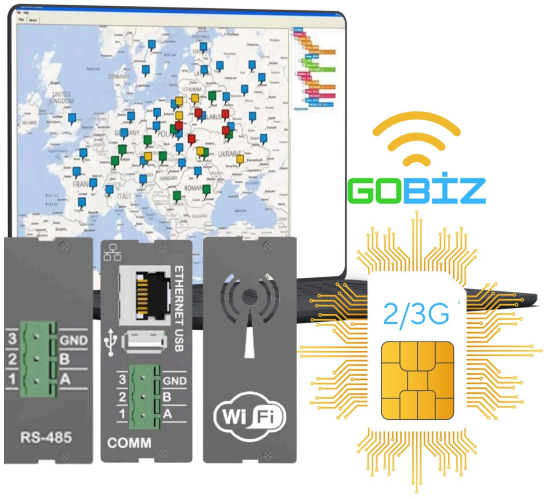





The Control panel is an advanced solution in generator control systems, noted for its multifunctional structure and extensive communication capabilities. This control panel can perform a wide range of functions including synchronization, load sharing, AMF, ATS, remote start, engine control, and remote monitoring. It is equipped with plug-in communication modules that enable remote monitoring via GSM or Ethernet. Its modular design provides unlimited expansion capability to meet specific requirements.

## CONTROL PANEL FEATURES

| | |
|---|---|
| Control Panel Brand **(Optional)** | Datakom / Gobiz / Deepsea / Mebay |
| Functions | Synchronization, Load Sharing, AMF, ATS, Remote Start, Engine Control, Remote Monitoring |
| Communication | GSM-GPRS, Ethernet, Modbus RTU, Modbus TCP/IP, SNMP, USB |
| Mounting | Panel mounting, IP65 protection level |

## FUNCTIONS

| | |
|---|---|
| Multiple Generator Synchronization | Synchronization of up to 48 generators |
| Grid Synchronization | Parallel operation with the grid, load transfer, power export |
| AMF and ATS | Automatic mains failure control, seamless power transfer |
| Remote Start and Control | Monitoring and control via GSM or Ethernet |

The control panel complies with and often exceeds the strictest safety, vibration, and environmental standards in the industrial category. Its easy software update process ensures that the device remains up-to-date at all times.

## COMMUNICATION MODULES (Optional)

| | |
|---|---|
| Synchronization Plug-in Module | DC Current/Voltage Module |
| 4G-2G Modem Plug-in Module | Wifi Plug-in Module |
| 2G Modem Plug-in Module | Comm Plug-in Module |
| Ethernet Plug-in Module | RS-232 Module |
| RS-485 Plug-in Module | Analog IO Extension Module |

The control panels is a globally recognized generator control and monitoring systems. Control panel products comply with and often exceed the strictest safety, vibration, and environmental standards in the industrial category. These products are manufactured using high-quality materials and advanced technology, ensuring long-lasting and reliable performance.

It is manufactured to high-quality standards, providing reliable and innovative solutions in energy management. The easy software update process ensures that the device remains up-to-date at all times.

GOBİZ GENERATOR

| DIMENSIONS OF GENSET WITH CANOPY | | |
|---|---|---|
| Length | 4000 | mm |
| Width | 1800 | mm |
| Height | 2000 | mm |
| Dry Weight | 4650 | kg |
| Fuel Capacity | 380 | lt |



| DIMENSIONS OF GENSET WITHOUT CANOPY | | |
|---|---|---|
| Length | 3800 | mm |
| Width | 1800 | mm |
| Height | 1800 | mm |
| Dry Weight | 4170 | kg |
| Fuel Capacity | 380 | lt |







## GENERATOR CABIN

Container and Modular Type Canopy Production

Sound Insulation Between 65-90 dB/7m

Anti-Vibration Pads

Corrosion-Resistant Locks and Hinges

Easy Transportation with Forklift-Friendly Chassis Feet

Cover for Easy Access to Control Panel

Hidden Exhaust

Emergency Stop Button

Design for Easy Generator Maintenance

Lockable Doors on Both Sides

Canopy Structure with Weld-Free Bolt and Nut Assembly

## CABIN SAFETY AND CERTIFICATIONS

TS EN 12100, TS EN 60204-1

MACHINE SAFETY REGULATION 2006/42/EEC

LOW VOLTAGE REGULATION 2014/35/EC

NOISE EMISSION REGULATION 2000/14/EC

CE DECLARATION OF CONFORMITY

ENVIRONMENT MANAGEMENT SYSTEM ISO 14001:2015

QUALITY MANAGEMENT SYSTEM ISO 9001:2015

CUSTOMER SATISFACTION SYSTEM ISO 10002:2018

OCCUPATIONAL HEALTH AND SAFETY MANAGEMENT SYSTEM ISO 45001:2018

## CUSTOMER OPTIONS

GOBIZ GENERATOR generator canopies can be customized to meet customer needs. Solutions are available for different climate conditions and special usage areas. The canopies are protective against climate conditions and provide sound insulation

GOBIZ GENERATOR generator sets are designed to enhance the reliability and durability of your power solutions. With user-friendly design and high-quality materials, they offer long-lasting and trouble-free operation.

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