

**VOLVO  
PENTA**

## GJV110 DIESEL GENERATOR

### GRUP

|          |     |     |
|----------|-----|-----|
| STAND BY | kVA | 110 |
|          | kW  | 88  |
| PRIME    | kVA | 100 |
|          | kW  | 80  |

### Prime Power

Working on the long-term disruption of network energy , An overload of 10% is allowed for 1 hour of every 12 hours. In accordance with ISO 8528/1 (2005) - PRP

### Standby Power

With in the short-term energy supply interruption ; The Generator sets in accordance ISO 8528/5-ESP can give a maximum power

### Main Features

- Üretimlerimiz TSE, CE, ISO sertifikalıdır
- Kabinli ve Kabinsiz Jeneratör Seçenekleri
- Yüksek üretim teknolojisi ve mühendislik ile
- Yüksek Performanslı ürün
- Modüler kabin tasarımı ile düşük ses seviyesi
- Kolay kullanım, bakım ve çalışma
- Türkçe, İngilizce, Rusça dil seçeneği
- Yurt içinde yaygın satış ve servis noktası

### DİZEL MOTOR

|                            |       |                |
|----------------------------|-------|----------------|
| BRAND                      |       | VOLVO          |
| MODEL                      |       | TAD531GE       |
| TYPE                       |       | Heavy Duty     |
| PRIME POWER                | kW    | 88             |
| STANDBY POWER              | kW    | 98             |
| CYLINDER VOLUME            | Lt    | 4,76           |
| CYLINDER NUMBER / TYPE     |       | 4 - Sıra       |
| ASPIRATION                 |       | Turbo ACC      |
| COOLING SYSTEM             |       | Water Radiator |
| HECTING POWER              | Watt  | 1000W          |
| SPEED                      | Rpm   | 1500 Rpm       |
| BROKE AND STROKE           | mmxmm | 108x130        |
| GOVERNOR CLASS             |       | Electronic     |
| FUEL CONSUMPTION FULL LOAD | g/kWh | 218            |
| OIL CAPACITY               | lt.   | 13             |
| WATER CAPACITY             | lt.   | 20             |
| VOLTAGE                    | V     | 12             |
| BATTERY CAPACITY           | A     | 105A           |

### FUEL CAPACITY AND CONSUMPTION TABLE

|                    |         |        |
|--------------------|---------|--------|
| 50%                | lt./sa. | 10,58  |
| 75%                | lt./sa. | 15,38  |
| 100%               | lt./sa. | 20,50  |
| 110%               | lt./sa. | 24,40  |
| FUEL TANK CAPACITY | lt.     | 340,00 |

# ALTERNATOR

- Four pole alternator, Lifetime lasting greased bearing
- H class insulation
- Brushless ans 2/3 pitch, with AVR card
- Incorporates electromagnetic emission suppressor in accordance with CE legislation
- Maranello brand alternators has TSE certificate

## Regulations

- IEC 600034
- ISO 8528/3
- VDE 0530

## Low wave distortion

- THD < 4 %
- THF (IEC) < 2 %
- TIF (NEMA) < 50

| ALTERNATOR                      |      |              |
|---------------------------------|------|--------------|
| BRAND                           |      | Maranello    |
| MODEL                           |      | M110         |
| OUTPUT VOLTAGE                  | V    | 230/400      |
| FREQUENCY                       | HZ   | 50           |
| AUTOMATIC VOLTAGE REGULATION    | ±%   | 0,5          |
| ALTERNATOR STANDBY POWER        | kVA  | 112          |
| ALTERNATOR PRIME POWER          | kVA  | 100          |
| POWER FACTOR                    | Cosq | 0,8          |
| NUMBER OF CABLES                |      | 12           |
| WINDING                         |      | 2/3          |
| PROTECTION CLASS / LINING CLASS |      | IP23 / H     |
| WARNING SYSTEM                  |      | Self-Excited |
| AVR MODEL                       |      | SX440        |
| PERFORMANCE - PF 0,8/%75 LOAD   | %    | 92           |

## The Certificates of Genset

- 2006/42/EC Machinery Safety
- 2006/95/EC Low Voltage
- 2004/108/EC Electromagnetic Compapility
- 2000/14/EC Sound isolation
- ISO 9001:2000
- EN ISO 14001:2004
- OHSAS 18001:1999
- CE Certificate
- TSE Certificate of Quality
- Domestic Goods Certificate
- TSE HYB
- SSHYB
- Production Qualitification Certificate
- Industry Registration Certificate
- Capacity Report
- Trademark registration certificate

# CONTROL PANEL

- True RMS measurements
- ECU connection through J1939 CAN option
- J1939 ECU warnings displayed as text
- MPU input option
- Dual genset mutual standby operation
- Event logging with time stamp and measurements
- Battery backed-up real time clock
- Built in daily / weekly / monthly exerciser
- Weekly operation schedule programs
- Field adjustable parameters
- RS-232 serial port
- Free MS-Windows Remote monitoring SW
- GSM and PSTN modem support
- GSM SMS message sending on fault
- MODBUS communications

- 16 Amp contactor outputs
- 1 Amp DC semiconductor outputs
- Configurable analogue inputs: 4
- Configurable digital inputs: 7
- Configurable digital inputs: 2
- Total digital outputs: 6
- I/O expansion capability Plug-in connection system
- The unit records last 100 events with date-time stamp total of 18 measured parameters.



# ELECTRICAL PANEL

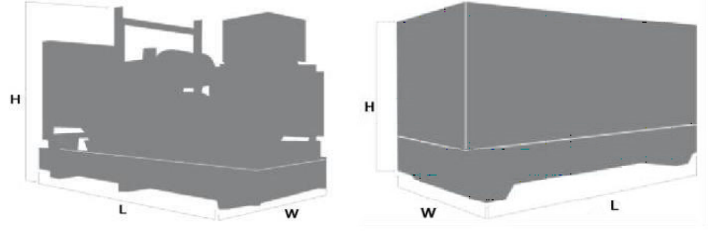
| ELECTRICAL PANEL |     |                   |
|------------------|-----|-------------------|
| BREAKER          |     | 3x225A * Optional |
| BATTERY CHARGES  |     | SMPS245           |
| VOLTAGE          | V   | 12                |
| FREQUENCY        | Hz. | 50                |

## ATS

3x225A Contactor  
4X225A Contactor \* Optional

## DIMENSIONS

| DIMENSIONS      |    |            |
|-----------------|----|------------|
| LENGHT (CANOPY) | cm | 220(300)   |
| WIDTH (CANOPY)  | cm | 110(110)   |
| HEIGHT (CANOPY) | cm | 170(180)   |
| WEIGHT (CANOPY) | cm | 1550(2050) |



## OPTIONAL FEATURES

### Mechanical

- Galvanised Retention Bund (For soundproofed Units)
- Fuel, oil and air filter heaters
- Auxiliary Double Walled Fuel Tanks
- Residential type Silencer
- Synchronisation Systems
- Huge fuel tanks regarding special orders
- High range alternator
- Control system (by Sim and network )
- Connection to external fuel tank
- Automatic Fuel Systems

### Control Panel

- D500
- D700
- ComAp AMF9
- ComAp AMF25
- SMPS 2410 24V

### Engine

- High Performance Fuelfilter water Separator
- 60 Hz. / 1800 Rpm
- Mechanic or Electronic Oil Sump Pump

### Alternator

- Alternator excitation type: AREP, PMI or PMG
- Anti condensation heaters
- Protection System 2 or 4
- Special AVR

### AMF Synchronizing Control Panel

- Datakom D700
- Woodward Easygen 3200

### Trailer - Genset Trailer

Our trailers are produced as single-axle, two-axle and four-axle types for heavy and light tonnage capacities and absolutely appropriate to vehicle regulations.

Gucbir Jenerator is a certified company with ISO 9001:2000, EN ISO 14001:2004, OHSAS 18001:1999. Quality Systems, and acquired European Conformity Standards CE Certificate and TSE Quality Certificates and GUCBIR reserves the right to modify any characteristics of their equipment without prior warning.

### GUCBIR JENERATOR SAN. TIC. LTD. STI.

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