



**VOLVO  
PENTA**

## GJV500 DIESEL GENERATOR

### GRUP

STAND BY	kVA	500
	kW	400
PRIME	kVA	450
	kW	360

### 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		TAD1345GE
TYPE		Heavy Duty
PRIME POWER	kW	388
STANDBY POWER	kW	431
CYLINDER VOLUME	Lt	12,78
CYLINDER NUMBER / TYPE		6 - Sıra
ASPIRATION		Turbo ACC
COOLING SYSTEM		Water Radiator
HECTING POWER	Watt	1000W
SPEED	Rpm	1500 Rpm
BROKE AND STROKE	mmxmm	131x158
GOVERNOR CLASS		Electronic
FUEL CONSUMPTION FULL LOAD	g/kWh	197
OIL CAPACITY	lt.	36
WATER CAPACITY	lt.	44
VOLTAGE	V	24
BATTERY CAPACITY	A	2X105A

### FUEL CAPACITY AND CONSUMPTION TABLE

50%	lt./sa.	42,12
75%	lt./sa.	62,55
100%	lt./sa.	82,97
110%	lt./sa.	98,73
FUEL TANK CAPACITY	lt.	800,00

# 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		M500
OUTPUT VOLTAGE	V	230/400
FREQUENCY	HZ	50
AUTOMATIC VOLTAGE REGULATION	±%	0,5
ALTERNATOR STANDBY POWER	kVA	500
ALTERNATOR PRIME POWER	kVA	450
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	%	95

### 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

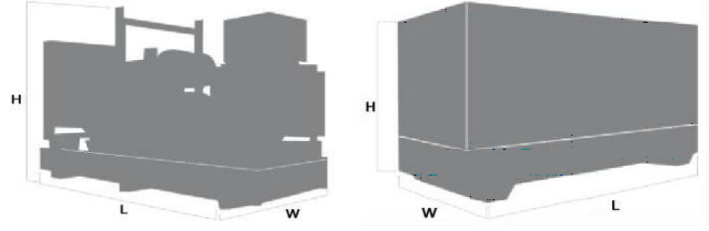
ELECTRICAL PANEL		
BREAKER		3x800A * Optional
BATTERY CHARGES		SMPS245
VOLTAGE	V	24
FREQUENCY	Hz.	50

### ATS

3x800A Contactor  
4X800A Contactor \* Optional

## DIMENSIONS

DIMENSIONS		
LENGHT (CANOPY)	cm	330(400)
WIDTH (CANOPY)	cm	135(135)
HEIGHT (CANOPY)	cm	190(225)
WEIGHT (CANOPY)	cm	3650(4700)



## 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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