GNT SERIES **GNT 1560 & 1560**



231/400V - 50Hz & 277/480V - 60Hz





Features and Benefits

- Half Century Experience in Generator Manufacturing
- Diesel Engines with Advanced Technology and Quality
- Alternators with Advanced Technology and Quality
- Control Panel Suitable for Flexible Application
- High Quality and Reliable Technology
- Patented Compact Designed and Soundproof Canopy
- Suitable for Heavy-Duty
- Wide Range of Affordable Spare Parts

- Low Noise Level
- Low Exhaust Emission
- Low Operating Cost
- Low Fuel Consumption
- Low Oil Consumption
- Tropical 50°C Radiator
- Fuel Filter with Water and Particle Separator
- First Class Product Support
- Global Technical Service and Maintenance Support

| | Generator General Information | | | | | | | | | | | | | |
|-----------------|-------------------------------|---------|--------------|-------|-------------|---------------|--------|---------------------------------------|----------|---------------------------------|---------------------------------|-----------------------------|-------------------------------|-------------------------------|
| Generator | Frequency | Voltage | Power Factor | Speed | | Diesel Engine | | | Alternat | or | Type of | Ger | erator Ou | tput |
| Model | Hz | V | CosQ | rpm | Brand | Model | Series | Brand | Model | Series | Operation | kVA | kW | Α |
| GNT 1560 | 50 | 231/400 | 0,8 | 1500 | I N T | E4028TNI | | G E N G P N W P E R | 400L1 | Stand By Prime Continuous | 1.560,0 1.418,2 992,7 | 1.248,0 1.134,5 794,2 | 2.254,3 2.049,4 1.434,6 | |
| GNT 1560 | 60 | 277/480 | 0,8 | 1800 | E R | E1928TDI | АП | | P | 400MX | Stand By Prime Continuous | 1.560,0 1.418,2 992,7 | 1.248,0 1.134,5 794,2 | 2.254,3 2.049,4 1.434,6 |

INTER Diesel Engine Technical Parameters and Matching Parameters

Diesel Engine Main Technical Parameters

| General | | |
|--|------------|--------------------------------|
| Number of Cylinders | | 12 |
| Configuration | | V - Type |
| Aspiration | | Turbocharged & Intercooled |
| Combustion System | | Direct Injection |
| Compression Ratio | | 14.5:1 |
| Bore | mm | 145 |
| Stroke | mm | 165 |
| Displacement | L | 32,7 |
| Governing Type | | Electronic |
| Governing Class | | G3 |
| Rotation | | Counterclockwise |
| Firing Order | | 1-12-5-8-3-10-6-7-2-11-4-9 |
| Emission | | Tier II |
| Moments of Rotation Inertia | | |
| Engine | kg • m² | 24,19 |
| Flywheel | kg • m² | 15,38 |
| Performance Rating | | |
| Speed Droop | % | ≤1 |
| Steady State Speed Band | % | ≤0.5 |
| Test Conditions | | |
| Ambient Temperature | % | 25 |
| Atmospheric Pressure | kPa | 100 |
| Relative Humidity | RH (%) | 30 |
| Max. Operating Intake Resistance | kPa | <6.2 |
| Exhaust Backpressure Limit | kPa | <6 |
| Fuel Temperature (Fuel Inlet Pump) | °C | 38 ± 2 |
| Filters | | |
| Air Filter | | Dry Type, Replaceable |
| Fuel Filter | | With Water Seperator |
| Oil Filter | | Element Type, Particulate Trap |
| Flywhell Housing and Flex Coupling | | |
| Flywheel Housing | SAE (J620) | 0 |
| Flex Coupling Disc | Inch (") | 18 |
| Overall Dimensions | | |
| Length * | mm | 2330 |
| Width | mm | 1760 |
| Height | mm | 2135 |
| Dry Weight | Kg | 3550 |
| * From front end of radiator to rear end of air filter | | |

| Cooling System | | |
|--|------------|----------|
| Radiator Type | 50°C | Tropical |
| Total Coolant Capacity | L | 240 |
| Max. Perm. Coolant Outlet Temperature | °C | 105 |
| Max. Perm. Flow Resis. (Cool. System And Piping) | bar | 0,5 |
| Max.Temperature of Coolant Warning | °C | 95 |
| Max. Temperature of Coolant Shutdown | °C | 98 |
| Thermostat Operation Temperature - Initial Open | °C | 66 |
| Thermostat Operation Temperature - Full Open | °C | 78 |
| Delivery of Coolant Pump | m ³/ h | 14,50 |
| Min. Pressure Before Coolant Pump | bar | 0,5 |
| Radiator Face Area | m² | 3,21 |
| Rows | Row | 7 |
| Matrix Density | Per / Inch | 18 |
| Material | | Aluminum |
| Width of Matrix | mm | 1720 |
| Height of Matrix | mm | 1870 |
| Pressure Cap Setting | kPa | 90 |
| Estimated Cooling Air Flow Reserve | kPa | 0,125 |
| Engine Pre Heater Tube (with Circulation Pump) | W | 6600 |
| Lubrication System | | |
| Total System | L | 90 |
| Minimum Oil Level | L | 85 |
| Nominal Motor Operating Temperature | °C | 40 |
| Lubricating Oil Pressure (Rated Speed) | bar | 7 |
| Relief Valve Opens | kPa | 200 |
| Oil / Fuel Consumption Ratio | % | ≤0,48 |
| Normal Oil Temperature | °C | 110 |
| Electrical System | | |
| Voltage | V | 24 |
| Starter | kW | 13 |
| Alternator Output Ampers | Α | 60 |
| Alternator Output Voltage | V | 28 |
| Batteries Capacity | Ah | 2X200 |
| Fan | | |
| Diameter | mm | 1530 |
| Drive Ratio | | 1,04:1 |
| Number of Blades | | 8 |
| Material | | Metal |
| Туре | | Blowing |
| | | |

GNT SERIES GNT 1560 & 1560



231/400V - 50Hz & 277/480V - 60Hz

Diesel Engine Matching Parameters

| 50 Hz @ 1500 r/min | | Stand By | Prime |
|--|-----------|----------|--------|
| Gross Engine Power | kW | 1334,0 | 1213,0 |
| Net Engine Power | kW | 1303,0 | 1182,0 |
| Fan Power Consumption (Belt Pulley Driven) | kW | 28,0 | 28,0 |
| Other Power Loss | kW | 3,0 | 3,0 |
| Mean Effective Pressure | MPa | 3,26 | 2,97 |
| Intake Air Flow | m 3 / min | 96,25 | 91,67 |
| Exhaust Temperature Limit | °C | 650 | 650 |
| Exhaust Flow | m 3 / min | 264,25 | 251,67 |
| Boost Pressure Ratio | | 3,40 | 3,50 |
| Mean Piston Speed | m/s | 8,3 | 8,3 |
| Cooling Fan Air Flow | m 3 / min | 1913,0 | 1913,0 |
| Typical Generator Output Power | kVA | 1564 | 1418 |
| Heat Rejection | | | |
| Energy in Fuel (Heat of Combustion) | kW | 3335,0 | 3033,0 |
| Gross Heat to Power | kW | 1334,0 | 1213,0 |
| Energy to Coolant and Lubricating Oil | kW | 567,0 | 516,0 |
| Heat Dissipation Capacity* | kW | 233,0 | 212,0 |
| Energy to Exhaust | kW | 967,0 | 879,0 |
| Heat to Radiation | kW | 100,0 | 91,0 |
| *Intake Intercooled System | | | |

| 60 Hz @ 1800 r/min | | Stand By | Prime |
|--|-----------|----------|--------|
| Gross Engine Power | kW | 1334,0 | 1213,0 |
| Net Engine Power | kW | 1303,0 | 1182,0 |
| Fan Power Consumption (Belt Pulley Driven) | kW | 28,0 | 28,0 |
| Other Power Loss | kW | 3,0 | 3,0 |
| Mean Effective Pressure | MPa | 2,67 | 2,42 |
| Intake Air Flow | m 3 / min | 94,33 | 89,82 |
| Exhaust Temperature Limit | °C | 650 | 650 |
| Exhaust Flow | m 3 / min | 258,97 | 246,58 |
| Boost Pressure Ratio | | 3,30 | 3,40 |
| Mean Piston Speed | m/s | 9,9 | 9,9 |
| Cooling Fan Air Flow | m 3 / min | 1875,0 | 1875,0 |
| Typical Generator Output Power | kVA | 1564 | 1418 |
| Heat Rejection | | | |
| Energy in Fuel (Heat of Combustion) | kW | 3518,0 | 3200,0 |
| Gross Heat to Power | kW | 1467,0 | 1334,0 |
| Energy to Coolant and Lubricating Oil | kW | 623,0 | 568,0 |
| Heat Dissipation Capacity* | kW | 262,0 | 238,0 |
| Energy to Exhaust | kW | 1063,0 | 967,0 |
| Heat to Radiation | kW | 105,0 | 96,0 |
| *Intake Intercooled System | | | |

GENPOWER Alternator Technical Parameters and Specifications

Alternator Technical Parameters

| Insulation Class | | Н |
|------------------|--------|--------------|
| Winding Pitch | | 2/3 - (N° 6) |
| Wires | | 6 |
| Protection | | IP 23 |
| Altitude | m | 1000 |
| Overspeed | rpm | 2250 |
| Air Flow | m³/sec | 1,614 |
| Bearing Drive | N/A | - |
| Rotor Winding | 100% | Copper |
| | | |

| Field Control System | | Self Excited |
|---------------------------------|----------|--------------|
| A.V.R. Model | Standard | MX341+PMG |
| Voltage Regulation | % | ±1 |
| Sustained Short-Circuit Current | 10 sec | 300% (3 IN) |
| Total Harmonic (*) TGH / THC | % | < 4 |
| Wave Form :NEMA = TIF - (*) | | < 50 |
| Wave Form :I.E.C. = THF - (*) | % | < 1.5 |
| Bearing Non - Drive | Bearing | 6317-2RZ |
| Stator Winding | 100% | Copper |
| | | |

(*) Total harmonic content line to line, at no load or full rated linear and balanced load

Genpower sychron alternators are produced according to TSE 60034-1; IEC 60034-22; GB755; BS4999-5000; NEMA MG 1.22 standards

Alternator Specifications

| | 50 Hz - 231/400V - Cos Q 0,8 - 1500 rpm | | | | | | | | |
|---|---|---------|---------|-------------|------------|----------|------------|---------|---------|
| Standard Using Alternator Optional Using Alternator | | | | | | | | | |
| Brand/Model | Genpower | 400L1 | | Leroy Somer | LSA 50.2L7 | | Stamford | P7B | |
| Duty | | | Contir | nuous | | Stand By | | | |
| Ambient | C° | | 40°C | | | | 27°C | | |
| Class/Temp. Rise | C° | | H / 12 | 25° K | | | H / 163° K | | |
| Series Star (V) | V | 380/220 | 400/231 | 415/240 | 1 Phase | 380/220 | 400/231 | 415/240 | 1 Phase |
| Parallel Star (V) | V | 190/110 | 200/115 | 208/120 | 220 | 190/110 | 200/115 | 208/120 | 220 |
| Series Delta (V) | V | 220 | 230 | 240 | 230 | 220 | 230 | 240 | 230 |
| Output Power | kVA | 1418,0 | 1418,0 | 1471,0 | - | 1560,0 | 1560,0 | 1618,0 | - |
| Output Power | kW | 1134,4 | 1134,4 | 1176,8 | - | 1248,0 | 1248,0 | 1294,4 | |

| | 60 Hz - 277/480V - Cos Q 0,8 - 1800 rpm | | | | | | | | | |
|---|---|---------|---------|-------------|------------|---------|------------|---------|---------|--|
| Standard Using Alternator Optional Using Alternator | | | | | | | | | | |
| Brand/Model | Genpower | 400MX | | Leroy Somer | LSA 50.2M6 | | Stamford | HC6K | | |
| Duty | Continuous | | | | | | Stand By | | | |
| Ambient | C° | | 40°C | | | | 27°C | | | |
| Class/Temp. Rise | C° | | H / 12 | 15° K | | | H / 163° K | | | |
| Series Star (V) | V | 416/240 | 440/254 | 480/277 | 1 Phase | 416/240 | 440/254 | 480/277 | 1 Phase | |
| Parallel Star (V) | V | 208/120 | 220/127 | 240/138 | - | 208/120 | 220/127 | 240/138 | - | |
| Series Delta (V) | V | 240 | 254 | 277 | 240 | 240 | 254 | 277 | 240 | |
| Output Power | kVA | 1283,0 | 1350,0 | 1421,0 | - | 1411,0 | 1485,0 | 1563,0 | - | |
| Output Power | kW | 1026,4 | 1080,0 | 1136,8 | - | 1128,8 | 1188,0 | 1250,4 | | |





231/400V - 50Hz & 277/480V - 60Hz

Control Panel Specifications

Powder Painted Steel Pannel with Lockable Door ATS (Automatic Transfer Panel) - Optional Control Module Battery Charger Emergency Stop Button Backlit, 128x64 Pixels

GENPOWER

260 gr.

90% max

8 - 32 V

5 - 99,9 Hz

3 - 300 V

8 - 32 V

RS-232

5A & 250V

1A with DC Supply

1A with DC Supply

5A

120mm x 94mm

Control Relays
Terminal Blocks
Load Output Terminal

System Protection MCBs Circuit Breaker - Optional LCD Screen

Control Module Technical Parameters

Brand
Dimensions
Weight
Ambient Humidity
DC Battery Supply Voltage
Network Frequency
Generator Voltage Measurement
Current Transformer Secondary
Charge Alternator Voltage Measurement
Communication Interface
Generator Contactor Relay Output

Communication Interface Generator Contactor Relay Output Solenoid Transistor Outputs Configurable-3 Transistor Outputs
 Model
 Trans-MIDIAMF.232.GP

 Protection Class
 IP65 From the Front

 Environmental Conditions
 2000 Meters Above Sea Level

 Ambient Temperature
 -20 ° C to + 70 ° C

 Battery Voltage Measurement
 8 - 32 V

 Mains Voltage Measurement
 3 - 300 V Phase-Neutral, 5 - 99.9 Hz

 Generator Frequency
 5 - 99.9 Hz

 Working Period
 Continuous

 Charge Alternator Excitation
 210mA & 12V, 105mA & 24V Nominal 2.5W

Analog Sender Measurement 0 - 1300ohm

Mains Contactor Relay Output 5A & 250V

Start Transistor Outputs 1A with DC Supply

Configurable-4 Transistor Outputs 1A with DC Supply

Control Module Functions

Mains Voltage Level Control
Network Frequency Level Control
Engine Operating Option Control
Engine Stop Option Control
Engine Speed (RPM) Level Control
Battery Voltage Options Control
Check Engine Maintenance Times
Communication Interfaces GPRS, GSM

Engine Speed Voltage Generator Voltage Level Control
Generator Frequency Level Control
Generator Current Level Control
Generator Power Level Control
Generator Work Schedule and Timing Control

Oil Pressure Controllers Control
Configurable Analog Inputs and Outputs
Keeping Error Records of Past Events

Configurable Programmable Digital Inputs and Outputs

Current and Frequency

3 phase Generator Protections

- High / Low Voltage - High / Low Frequency

- Current / Voltage Asymmetry

- Overcurrent / Overload Overheat Control

1 Phase or 3 Phase, Phase Selection Parameter Setting via Control Module

Water Temperature Phase Sequence 3 phase AMF Function

- High / Low Frequency - High / Low Voltage

- High / Low Water Temperature

- High / Low Load

Mains, Generator ATS control Network, Voltage, Frequency Display Parameter Setting via Computer

Hours of Operation Earting

Charge Alternator Error

Maintenance Time Alarm

Unbalanced Load

Alarm Horn

Heater Tube Thermostat Control Modbus and SNMP Working Hour Ground Leakage

Analog Modem
Ethernet, USB, RS232, RS485
Selectable Protection Alarm / Shutdown

Battery Voltage
Oil Pressure

Control Module Alerts

Emergency Stop Malfunction
High Generator Voltage
Low Generator Frequency
Low Load
Over Current

Unbalanced Current

Low Generator Voltage High Generator Frequency Phase Sequence Error

Overload

Low Water Level (Optional) Low Oil Pressure Low Water Temperature
Heat Sensor Broken
Reverse Power
Start Error
Stop Error

 Start Error
 Low Speed

 Stop Error
 High Speed

 Magnetic Pickup Error
 Broken Oil Sensor Cable

High Oil Temperature (Optional) Low Fuel Level (Optional) High Battery Voltage Low Battery Voltage High Water Temperature Electronic Canbus Errors (ECU)

Sound Proof Canopy and Base Frame (Chassis) Specifications

Special, Registered GENPOWER Design and Color
A1 Quality DKP / HRU /Galvanized Steel
Sensitive Twist on Automatic Press Brake
Delicate Cut on Automatic Punch and Laser Bench
Sensitive Welding on Robotic Welding Bench
Chemical Cleaning Nano Technology Before Painting

Robotic Painting with Electrostatic Powder Paint Drying and Stabilizing on 200°C Ovens 1500 Hour Salt Test

Glasswool Isolation, A1 Class Material -50/+500°C Special Covering Over Glass Wool Best Sound Level (in dBA) Temperature Tests
Rustproof Accessories
Cable Exit Connectors and Glands
Emergency Stop Button
Fuel Level Gauge
Fuel Drain Cap

Fuel Inlet and Return Records Impermeability Test for Fuel Tank Vacummed Rubber Mounted High Quality Weatherstrips High Quality Shock Absorbers Fuel Filling Cap (with ventilation) Lifting and Carrying Equipments Internal Exhaust Mufflers (Silencers) External Exhaust Mufflers (Silencers) Radiator Water Filling Cap Daily Fuel Tank External Fuel Tank

Special Products / Non - Standardized

Synchronised Systems
Scada Systems
Mobile Systems
Light Towers

Ground Power Unit Generators

Generators - with Trailer Medium Voltage - MV IP44-IP54 Class Generators Welding Machines Natural Gas Generator DC Generators
High Voltage - HV
Power Plants
Trigeneration Systems
Biogas Generator

High Frequency Generators Variable Speed Generators Super Silent Canopy Cogeneration Systems LPG Generator

TS EN ISO 2409 Certificate

Marine Generators
Dual Generators
Automatic Voltage Stabilizers
Electrical and Diesel Forklift
HFO Generator

Quality Documents & Certificates

Trademark Registration Certificate
Capacity Report (32400 Units / Year)
Made in Turkey Certificate- For Generator/1-5000 kVA
Made in Turkey Certificate-For Alternator/1-5000kVA
Made in Turkey Certificate- For Engine/1-5000 kW
Certificate of Competency for After Sales Services
2014/30/EU Electromagnetic Compatibility Directive
CE Certificate - 2000/14/AT - 2000/14 EC (CE 2195)

TSE 8528 - 4 Certificate
TSE 8528 - 5 Certificate
TSE 8528 - 8 Certificate
AB-0547-T Certificate
EAC - GOST Certificate/ Diesel Generator
EAC - GOST Certificate/ Gasoline Generator
CE Certificate - EN ISO 17050-1,2004
ti

TS EN ISO 4628-3 Certificate
TS EN ISO 4628-4 Certificate
TS EN ISO 4628-5 Certificate
TS EN ISO 4628-8 Certificate
TS EN ISO 9227 Certificate
TS EN ISO 9227 Certificate
TS 9620 EN ISO 4628-2 Certificate
TS EN 60034 - 1 Certificate

EN ISO 8528-13,2016 Certificate
EN ISO 12100:2010 Certificate
EN ISO 13857:2008 Certificate
EN ISO 14120:2015 Certificate
EN 349:1993+A1:2008 Certificate
EN 60204-1,2018 Certificate
EN 61000-6-2,2019 Certificate
EN 61000-6-4,2007/A1:2011 Certificate

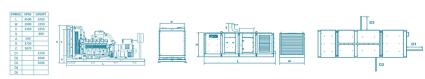


231/400V - 50Hz & 277/480V - 60Hz

Generator Dimensions

Values **Open Type Generator Canopy Type Generator** Width 2000 2390 mm 4500 6769 Length mm Height mm 3156 Weight (Net) Kg 7210 11870 Fuel Tank Capacity 2250 2250

Generator Technical Drawings



Diesel Engine and Genset Rating Classifications

The below ratings represent the engine performance capabilities to conditions specified in TS ISO 8528/1, 8528-5, 8528-8, BS5000, ISO 3046/1:1986, NEMA MG-1.22.1, BS 5514/1.

STAND BY POWER RATING (ESP)

ESP is applicable for supplying emergency power for the duration of the utility power outage. No overload capability is available for this rating. Under no condition is an engine allowed to operate in parallel with the public utility at the Stand By Power rating. This rating should be applied where reliable utility power is available. A Stand By rated engine should be sized for a maximum of an 70% average load factor and 200 hours of operation per year. This includes less than 25 hours per year at the Stand By Power rating. Stand By ratings should never be applied except in true emergency power outages. Negotiated power outages contracted with a utility company are not considered an emergency.

PRIME POWER RATING (PRP):

Applicable for supplying electric power in lieu of commercially purchased power. Prime Power applications must be in the form of one of the following two categories

UNLIMITED TIME RUNNING PRIME POWER (ULTP):

PRP (Prime Power) is available for an unlimited number of hours per year in a variable load application. Variable load should not exceed a 70% average of the Prime Power rating during any operating period of 250 hours. The total operating time at 100% Prime Power shall not exceed 500 hours per year. A 10% overload capability is available for a period of 1 hour within a 12-hour period of operation. Total operating time at the 10% overload power shall not exceed 25 hours per year.

LIMITED TIME RUNNING PRIME POWER (LTP):

LTP (Limited Time Prime Power) is available for a limited number of hours in a nonvariable load application. It is intended for use in situations where power outages are contracted, such as in utility power curtailment. Engines may be operated in parallel to the public utility up to 750 hours per year at power levels never to exceed the Prime Power rating. The customer should be aware, however, that the life of any engine will be reduced by this constant high load operation. Any operation exceeding 750 hours per year at the Prime Power rating should use the Continuous Power rating.

CONTINUOUS POWER RATING (COP):

COP is the power that the engine can continue to use under the prescribed speed and the specified environment condition in the normal maintenance period stipulated in the manufacturing plant. And Continuous Power is applicable for supplying utility power at a constant 100% load for an unlimited number of hours per year. No overload capability is available for this rating.

PAY ATTENTION to the points below in picking and using the generator

- * Generators can work on Continuous Power at 70% of Prime power value if only all maintenances are done on time with original spare parts and high quality oils that manufacturer advice
- * Generators should not operate below 50% of Prime Power value. In such a case, the engine will burn excessive oil and eventually have irreparable damage
- If your need is 1000 kVA or above, you should prefer Synchronic Systems with 2-3 generators with failure back up and simultaneous aging.
- * These points will provide advantage for you with purchasing and operating the generator.

INTER Diesel Engine Power Ratings – Fuel Consumption – Oil Recommendation and Oil Grades

| INTER Diesel Engine Power Ratings | | | | | | | | | |
|-----------------------------------|--------------------|--------------------------------|------------------|--------------|---------------|---------|---------|--|--|
| Engine Model | E1928TDI | | Engine Family | ID56 | Engine Series | A | II | | |
| 0 | | Tunical Canara | tor Output (Not) | Engine Power | | | | | |
| Speed rpm | Type of Operation | Typical Generator Output (Net) | | G | ross | Net | | | |
| ipiii | | kVA | kWe | kWm | Нр | kWm | Нр | | |
| 1500 | Stand By (Maximum) | 1.564,0 | 1.251,0 | 1.334,0 | 1.790,6 | 1.303,0 | 1.749,0 | | |
| 1500 | Prime | 1.418,0 | 1.135,0 | 1.213,0 | 1.628,2 | 1.182,0 | 1.586,6 | | |
| | Stand By (Maximum) | 1.564,0 | 1.251,0 | 1.334,0 | 1.790,6 | 1.303,0 | 1.749,0 | | |
| 1800 | Prime | 1.418,0 | 1.135,0 | 1.213,0 | 1.628,2 | 1.182,0 | 1.586,6 | | |

Generator powers are typical and are based on an average alternator efficiency and a power factor (Cos. Q) of 0.8

| Fuel Consumption | | | | | | | | | |
|------------------------|-------|-------|----------|-------|--|--|--|--|--|
| Dorsout of Brims nower | 1500 | rpm | 1800 rpm | | | | | | |
| Percent of Prime power | g/kWh | l/hr | g/kWh | l/hr | | | | | |
| 110% | 200 | 308,4 | 200,0 | 308,4 | | | | | |
| 100% | 196 | 274,2 | 196,0 | 274,2 | | | | | |
| 75% | 196 | 205,6 | 196,0 | 205,6 | | | | | |
| 50% | 207 | 144.8 | 207.0 | 144,8 | | | | | |



Fuel specification: BS 2869: Part 2 1998 Class A2 or (DIN EN 590) ASTM D975 D2 Diesel. The fuel must be clean and without water,

SAE GRADES For Engine Oils Recommended in Relation with the Outside Temperature °C 35 -30 -25 -20 -15 -10 -5 0 +5 +10 +15 +20 +25 +30 +35 +40 +45 +50 SAE 10W SAE 20W SAE 30 SAE 40 SAE 10W-40 SAE 10W-40 SAE 10W-40 Semisynthetic Base SAE 20W-60 Semisynthetic Base SAE 5W-30 Synthetic Base SAE 5W-30 Synthetic Base SAE 5W-30 Synthetic Base

Why You Should Buy **GENPOWER?**

Only because it is the biggest generator factory in the World? NO!

- * It is one of the most trustworthy and distinguished generator manufacturers in the world with its almost half century experience in the field.
- * It has interiorized the strategy of unconditional customer satisfaction and has been working with this work ethic together with its whole crew.
- * Customers and end users get their moneys' worth and more with every penny.
- * It has become a big family with customers and users who receive durable, long-lasting and high quality products.
- * It has been appreciated many times by customers and suppliers about the investments that have been made for quality enhancement.
- * Both its suppliers and customers always know GENPOWER is and will always be there for them. GENPOWER on their side in bad and good days.
- * In order not to harm brand reputation and recognition, each day, they work harder than the day before.
- * It continues its business only with the suppliers, customers, dealers and technical services that also embrace the same mind set and work ethics.
- * It proves its loyalty for quality and customer satisfaction with its mottos "Your power is the core of our business" and "nothing will be left unfinished"
- * The specifications and/or modifications you can receive with extra costs by other manufacturers are included in standard production in GENPOWER
- * When you purchase GENPOWER products, you are not a customer or a buyer but GENPOWER perceives and accepts you as a valuable member of its continuously growing family.

These are why you should buy from **GENPOWER**...





Factory Address
ASO II. Industrial Zone
2010. Street No: 18

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