

#### 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 ApplicationHigh Quality and Reliable Technology
- High Quality and Reliable Technolog
- Patented Compact Designed and Soundproof Canopy
  Suitable for Heavy-Duty
- Durability
- 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

|                |           |         |              |       | Generat     | or General In | formatio | n                           |          |                                 |                                 |                       |                        |                        |
|----------------|-----------|---------|--------------|-------|-------------|---------------|----------|-----------------------------|----------|---------------------------------|---------------------------------|-----------------------|------------------------|------------------------|
| 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                      |
| <b>GNT</b> 100 | 50        | 231/400 | 0,8          | 1500  | I<br>N<br>T | E125TD        |          | G<br>E<br>N <b>G</b><br>P N | 225M2    | Stand By<br>Prime<br>Continuous | 100,0<br>90,9<br>63,6           | 80,0<br>72,7<br>50,9  | 144,5<br>131,4<br>92,0 |                        |
| <b>GNT</b> 100 | 60        | 277/480 | 0,8          | 1800  | E<br>R      |               |          | 0<br>W<br>E<br>R            | W P      | 225M1                           | Stand By<br>Prime<br>Continuous | 100,0<br>90,9<br>63,6 | 80,0<br>72,7<br>50,9   | 144,5<br>131,4<br>92,0 |

#### **INTER** Diesel Engine Technical Parameters and Matching Parameters

#### **Diesel Engine Main Technical Parameters**

| General |  |
|---------|--|
|---------|--|

| General  |            |                                 |
|--|------------|---------------------------------|
| Number of Cylinders                                    |            | 4                               |
| Configuration  |            | Vertical, In Line               |
| Aspiration   |            | Turbocharged                    |
| Combustion System                                      |            | Direct Injection                |
| Compression Ratio                                      |            | 17,3:1                          |
| Bore   | mm         | 105                             |
| Stroke   | mm         | 124                             |
| Displacement   | L          | 4,3                             |
| Governing Type   |            | Electronic                      |
| Governing Class  |            | G3                              |
| Rotation   |            | Counterclockwise                |
| Firing Order   |            | 1-3-4-2                         |
| Emission   |            | Tier II                         |
| Moments of Rotation Inertia                            |            |                                 |
| Engine   | kg • m²    | 1,68                            |
| Flywheel   | kg • m²    | 1,21                            |
| Performance Rating                                     |            |                                 |
| Speed Droop  | %          | ≤0,5                            |
| Steady State Speed Band                                | %          | ≤0.5                            |
| Test Conditions  |            |                                 |
| Ambient Temperature                                    | %          | 25                              |
| Atmospheric Pressure                                   | kPa        | 100                             |
| Relative Humidity                                      | RH (%)     | 30                              |
| Max. Operating Intake Resistance                       | kPa        | 5                               |
| Exhaust Backpressure Limit                             | kPa        | 10                              |
| 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                     |            | Lionent Type, I articulate ITap |
| Flywheel Housing                                       | SAE (J620) | 3                               |
| Flex Coupling Disc                                     |            | 5<br>11,5                       |
|  | Inch (")   | 11,5                            |
| Overall Dimensions                                     |            | 1000                            |
| Length *   | mm         | 1388                            |
| Width  | mm         | 780                             |
| Height   | mm         | 1000                            |
| Dry Weight   | Kg         | 430                             |
| * From front end of radiator to rear end of air filter |            |                                 |

| Cooling System                                   |            |          |
|--|------------|----------|
| Radiator Type                                    | 50°C       | Tropical |
| Total Coolant Capacity                           | L          | 30       |
| Max. Perm. Coolant Outlet Temperature            | °C         | 103      |
| 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         | 72       |
| Thermostat Operation Temperature - Full Open     | °C         | 80       |
| Delivery of Coolant Pump                         | m ³/ h     | 2,48     |
| Min. Pressure Before Coolant Pump                | bar        | 0,15     |
| Radiator Face Area                               | m²         | 0,31     |
| Rows   | Row        | 3        |
| Matrix Density                                   | Per / Inch | 15,5     |
| Material   |            | Aluminum |
| Width of Matrix                                  | mm         | 530      |
| Height of Matrix                                 | mm         | 590      |
| Pressure Cap Setting                             | kPa        | 90       |
| Estimated Cooling Air Flow Reserve               | kPa        | 0,125    |
| Engine Pre Heater Tube (with Circulation Pump)   | W          | 1500     |
| Lubrication System                               |            |          |
| Total System                                     | L          | 13       |
| Minimum Oil Level                                | L          | 11       |
| Nominal Motor Operating Temperature              | °C         | 40       |
| Lubricating Oil Pressure (Rated Speed)           | bar        | 5        |
| Relief Valve Opens                               | kPa        | 250-400  |
| Oil / Fuel Consumption Ratio                     | %          | ≤1,63    |
| Normal Oil Temperature                           | °C         | 120      |
| Electrical System                                |            |          |
| Voltage  | V          | 12       |
| Starter  | kW         | 4.2      |
| Alternator Output Ampers                         | А          | 35       |
| Alternator Output Voltage                        | V          | 14       |
| Batteries Capacity                               | Åh         | 85       |
| Fan  |            | 00       |
| Diameter   | mm         | 500      |
| Drive Ratio                                      | 1111/1     | 1,9:1    |
| Number of Blades                                 |            | 7        |
| Material   |            | Plastic  |
| Туре   |            | Blowing  |
| 1 Jpc  |            | Diowing  |

\* From front end of radiator to rear end of air filter

### GENPOWER GENERATOR

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

kW

kW

kW

kW

MPa

°С

m/s

kVA

kW

kW

kW

kW

kW

kW

m <sup>3</sup> / min

m <sup>3</sup> / min

m <sup>3</sup> / min

Stand By

95,0

91,0

2,2

2,3

1.49

7,73

621

22,65

6,90

78

159,0

101

261,2

100,6

70,9

0,0

82,2

7.5

Prime

86.0

82,0

2,2

2.3

1.36

7,73

570

20,70

6,70

78

159,0

91

233.1

87,8

64,2

0,0

74,4

6.8

60 Hz @ 1800 r/min

Fan Power Consumption (Belt Pulley Driven)

Gross Engine Power

Net Engine Power

Other Power Loss

Intake Air Flow

Exhaust Flow

Boost Pressure Ratio

Mean Piston Speed

Cooling Fan Air Flow

Heat Rejection

Gross Heat to Power

Energy to Exhaust

Heat to Radiation

Heat Dissipation Capacity\*

\*Intake Intercooled System

Mean Effective Pressure

Exhaust Temperature Limit

Typical Generator Output Power

Energy in Fuel (Heat of Combustion)

Energy to Coolant and Lubricating Oil

#### **Diesel Engine Matching Parameters**

| 50 Hz @ 1500 r/min                         |                      | Stand By | Prime |
|--|----------------------|----------|-------|
| Gross Engine Power                         | kW                   | 95,0     | 86,0  |
| Net Engine Power                           | kW                   | 91,0     | 82,0  |
| Fan Power Consumption (Belt Pulley Driven) | kW                   | 2,2      | 2,2   |
| Other Power Loss                           | kW                   | 2,3      | 2,3   |
| Mean Effective Pressure                    | MPa                  | 1,67     | 1,51  |
| Intake Air Flow                            | m <sup>3</sup> / min | 7,22     | 7,22  |
| Exhaust Temperature Limit                  | °C                   | 580      | 528   |
| Exhaust Flow                               | m <sup>3</sup> / min | 21,17    | 19,25 |
| Boost Pressure Ratio                       |                      | 6,40     | 6,10  |
| Mean Piston Speed                          | m / s                | 6,5      | 6,5   |
| Cooling Fan Air Flow                       | m <sup>3</sup> / min | 149,0    | 149,0 |
| Typical Generator Output Power             | kVA                  | 101      | 91    |
| Heat Rejection                             |                      |          |       |
| Energy in Fuel (Heat of Combustion)        | kW                   | 244,0    | 220,0 |
| Gross Heat to Power                        | kW                   | 94,0     | 85,0  |
| Energy to Coolant and Lubricating Oil      | kW                   | 66,3     | 59,7  |
| Heat Dissipation Capacity*                 | kW                   | -        | -     |
| Energy to Exhaust                          | kW                   | 76,8     | 69,1  |
| Heat to Radiation                          | kW                   | 7,0      | 6,4   |
| *Intake Intercooled System                 |                      |          |       |

#### **GENPOWER** Alternator Technical Parameters and Specifications

#### Alternator Technical Parameters

| Insulation Class |        | Н            |
|------------------|--------|--------------|
| Winding Pitch    |        | 2/3 - (N° 6) |
| Wires            |        | 12           |
| Protection       |        | IP 23        |
| Altitude         | m      | 1000         |
| Overspeed        | rpm    | 2250         |
| Air Flow         | m³/sec | 0.216        |
| Bearing Drive    | N/A    | -            |
| Rotor Winding    | 100%   | Copper       |
|                  |        |              |

| Field Control System            |          | Self Excited |
|---------------------------------|----------|--------------|
| A.V.R. Model                    | Standard | SX460        |
| Voltage Regulation              | %        | ± 1          |
| Sustained Short-Circuit Current | 10 sec   | 300% (3 IN)  |
| Total Harmonic (*) TGH / THC    | %        | < 5          |
| Wave Form :NEMA = TIF - (*)     |          | < 50         |
| Wave Form :I.E.C. = THF - (*)   | %        | < 2          |
| Bearing Non - Drive             | Bearing  | 6309-2RZ     |
| 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 A  | lternator                               |         |            | Optional Using | Alternator |         |          |         |         |
| Brand/Model       | Genpower                                | 225M2   |            | Leroy Somer    | TAL044C    |         | Stamford | UC274C  |         |
| Duty              |   |         | Contin     | uous           |            |         | Stan     | id By   |         |
| Ambient           | C°                                      |         | 40°C       |                |            |         | 27       | °C      |         |
| Class/Temp. Rise  | C°                                      |         | H / 125° K |                |            |         | H / 16   | 63° 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                                     | 91,0    | 91,0       | 94,0           | -          | 100,0   | 100,0    | 103,0   | -       |
| Output Power      | kW                                      | 72,8    | 72,8       | 75,2           | -          | 80,0    | 80,0     | 82,4    | -       |

|   | 60 Hz - 277/480V - Cos Q 0,8 - 1800 rpm |         |            |             |         |         |          |         |         |
|---|---|---------|------------|-------------|---------|---------|----------|---------|---------|
| Standard Using Alternator Optional Using Alternator |   |         |            |             |         |         |          |         |         |
| Brand/Model   | Genpower                                | 225M1   |            | Leroy Somer | TAL044A |         | Stamford | UC 224F |         |
| Duty Continuous Stand By                            |   |         |            |             |         |         |          |         |         |
| Ambient   | C°                                      |         | 40°C       |             |         |         | 27       | °C      |         |
| Class/Temp. Rise                                    | C°                                      |         | H / 125° K |             |         |         | H / 16   | 63° 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                                     | 83,0    | 87,0       | 92,0        | -       | 91,0    | 96,0     | 101,0   | -       |
| Output Power  | kW                                      | 66,4    | 69,6       | 73,6        | -       | 72,8    | 76,8     | 80,8    |         |

### GENPOWER GENERATOR

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

#### **Control Panel Specifications**

Powder Painted Steel Pannel with Lockable Door ATS (Automatic Transfer Panel) - Optional Control Module

#### **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 Solenoid Transistor Outputs

#### **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

#### **Control Module Alerts**

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

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

#### Special Products / Non - Standardized

Synchronised Systems Scada Systems Mobile Systems Light Towers Ground Power Unit Generators

#### **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/1-5000 kW Certificate of Competency for After Sales Services 2014/30/EU Electromagnetic Compatibility Directive CE Certificate - 2000/14/AT - 2000/14 EC (CE 2195) Battery Charger Emergency Stop Button Backlit, 128x64 Pixels

GENPOWER/Fortrust JV 221mm x 156mm x 56,8mm 800 gr. 90% max. 8 - 32 V 5 - 99,9 Hz 3 - 300 V 5A 8 - 32 V RS-232 5A & 250V 1A with DC Supply 1A with DC Supply

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

Low Generator Voltage High Generator Frequency Phase Sequence Error Overload Low Water Level (Optional) Low Oil Pressure

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)

Generators - with Trailer Medium Voltage - MV IP44-IP54 Class Generators Welding Machines Natural Gas Generator

 Industrial Registry Certificate
 TSE

 Certificate of Manufacturing Competence
 TSE

 TSE- Service Adequacy Certificate
 TSE

 ISO 9001 - 2015 Certificate
 AB-00

 ISO 14001 - 2015 Certificate
 EAC

 OHSAS 18001 - 2007 Certificate
 EAC

 2006/42/EC Machinery Directive
 CE C

 Coatchern- Türkak 1500 Hours Corrosion Durability Test Certificate
 Certificate

Control Relays Terminal Blocks Load Output Terminal

Model Protection Class Environmental Conditions Ambient Temperature Battery Voltage Measurement Mains Voltage Measurement Generator Frequency Working Period Charge Alternator Excitation Analog Sender Measurement Mains Contactor Relay Output Start Transistor Outputs

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

Low Water Temperature Heat Sensor Broken Reverse Power Start Error Stop Error Magnetic Pickup Error

Temperature Tests Rustproof Accessories Cable Exit Connectors and Glands Emergency Stop Button Fuel Level Gauge Fuel Drain Cap

DC Generators High Voltage - HV Power Plants Trigeneration Systems Biogas Generator

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 System Protection MCBs Circuit Breaker - Optional LCD Screen

6120 D Version IP65 From the Front 2000 Meters Above Sea Level -20 ° C to + 70 ° C 8 - 32 V 3 - 300 V Phase-Neutral, 5 - 99.9 Hz 5 - 99.9 Hz Continuous 210mA & 12V, 105mA & 24V Nominal 2.5W 0 - 1300ohm 5A & 250V 1A with DC Supply 1A with DC Supply

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 Unbalanced Load Maintenance Time Alarm Low Speed High Speed Broken Oil Sensor Cable

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)

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

TS EN ISO 2409 Certificate 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 9620 EN ISO 4628-2 Certificate TS EN 60034 - 1 Certificate 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

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

Lifting and Carrying Equipments Internal Exhaust Mufflers (Silencers) External Exhaust Mufflers (Silencers) Radiator Water Filling Cap Daily Fuel Tank External Fuel Tank

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

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

### GENPOWER GENERATOR

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

#### **Generator Dimensions**

#### **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, 8528-4, 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 50 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                      | E125T              | DI                             | Engine Family     | ID18         | Engine Series |      |       |  |  |
|                                   |                    | Tuninal Comer                  | then Output (Net) | Engine Power |               |      |       |  |  |
| Speed<br>rpm                      | Type of Operation  | Typical Generator Output (Net) |                   | G            | Gross         | Net  |       |  |  |
| rpin                              |                    | kVA                            | kWe               | kWm          | Нр            | kWm  | Нр    |  |  |
| 1500                              | Stand By (Maximum) | 100,7                          | 80,6              | 94,0         | 126,2         | 90,0 | 120,8 |  |  |
| 1500                              | Prime              | 90,6                           | 72,5              | 85,0         | 114,1         | 81,0 | 108,7 |  |  |
|                                   | Stand By (Maximum) | 100,7                          | 80,6              | 94,0         | 126,2         | 90,0 | 120,8 |  |  |
| 1800                              | Prime              | 90,6                           | 72,5              | 85,0         | 114,1         | 81,0 | 108,7 |  |  |

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

| Fuel Consumption       |       |      |          |      |  |  |  |  |
|------------------------|-------|------|----------|------|--|--|--|--|
| Demont of Drive means  | 1500  | rpm  | 1800 rpm |      |  |  |  |  |
| Percent of Prime power | g/kWh | l/hr | g/kWh    | l/hr |  |  |  |  |
| 110%                   | 200   | 20,6 | 200,0    | 20,6 |  |  |  |  |
| 100%                   | 195   | 18,2 | 195,0    | 18,2 |  |  |  |  |
| 75%                    | 197   | 13,8 | 197,0    | 13,8 |  |  |  |  |
| 50%                    | 212,0 | 9,9  | 212,0    | 9,9  |  |  |  |  |

Note:The density of diesel is 0.835 kg/L 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

#### Why You Should Buy GENPOWER?

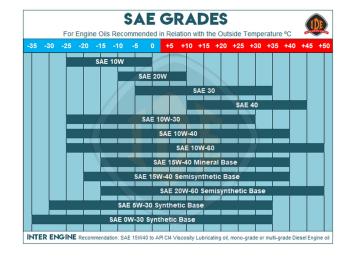
#### Only because it is the biggest generator factory in the World? NO!

- \* 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 proceives and accepts you as a valuable member of its continuously growing family.

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







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Factory Address

English 01-2023@2023 GNT Series Generator