

## KZP-G2500 DIESEL GENERATOR SET / 50Hz



### Emergency Standby Power (ESP)

These ratings are applicable for supplying continuous electrical power (at variable load) in lieu of commercially purchased power. There is no limitation to the annual hours of operation and this model can supply 10% overload power for 1 hour in 12 hours.

### Prime Power

These ratings are applicable for supplying continuous electrical power (at variable load) in the event of a utility power failure. No overload is permitted on these ratings. The alternator on this model is peak continuous rated (as defined in ISO 8528-3)

### OUTPUT RATINGS

### 50 Hz / 400V

|               |          |
|---------------|----------|
| Standby Power | 2500 kVA |
|               | 2000 KW  |
| Prime Power   | 2250 kVA |
|               | 1800 KW  |

### ENGINE (ESP -STAND-BY)

|                                |                   |
|--------------------------------|-------------------|
| Manufacturer                   | PERKINS           |
| Origin                         | UK                |
| Model                          | 401661TRG3        |
| No of Cylinder / Configuration | 16 / V            |
| Displacement (lt)              | 61.123            |
| Bore / Stroke (mm)             | 160 / 190         |
| Cycle                          | 4                 |
| Compression Ratio              | 13.6 :1           |
| Aspiration                     | Turbo Aftercooler |
| Governor Type                  | Electronic        |
| Cooling System                 | Water             |
| Coolant Capacity (lt)          | 270               |
| Lubrication Oil Capacity (lt)  | 237               |
| Injection                      | Direct            |
| Speed / Frequency              | 1500 / 50 Hz      |
| Engine Gross Power (kWm)       | 1975              |
| Fuel Consumption (lt/h)        | 100% 470          |
|                                | 50% 234           |

### ALTERNATOR

|                                   |                |
|-----------------------------------|----------------|
| Manufacturer                      | GENTECH        |
| Origin                            | TURKEY         |
| Model                             | GNT-2500       |
| No of Phase                       | 3              |
| Power Factor                      | cos 0,8        |
| Number of Bearing                 | SINGLE         |
| No of Poles                       | 4              |
| No of Leads                       | 12             |
| Voltage Regulation (Steady State) | ± %1           |
| Insulation Class                  | H              |
| Degree of Protection              | IP 21/23       |
| Excitation System                 | AVR, Brushless |
| Connection Type                   | STAR           |
| Total Harmonic Content (No Load)  | < %2           |
| Frequency (Hz)                    | 50             |
| Voltage Output (VAC)              | 230 / 400      |
| Efficiency ( %)                   | %93,3          |

### Sound Proof Canopy



Special design for minimizing acoustic level  
Galvanised steel construction further protected by polyester powdercoat paint  
Black finish stainless steel locks and hinges  
Control panel viewing window in a lockable access door  
Emergency stop push button (red) mounted on enclosure exterior  
Lifting, drag and jacking points on base frame  
Radiato fill via removable, flush mounted rain cap fitted with compression seal  
Acoustic insulation with moisture-repellent and non-flammable material

### CONTROL UNIT

#### STANDART: Datakom309



#### OPTIONAL: Deepsea



| Dimensions | WxLxH | Weight | Fuel Tank | Noise |
|------------|-------|--------|-----------|-------|
|            | mm    | kg     | lt        | db(A) |
| CANOPIED   | N/A   | N/A    | EXTERNAL  |       |
| OPEN SET   | N/A   | N/A    | EXTERNAL  |       |



**KZ ENERJİ ÇÖZÜMLERİ ve DİŞ TİC. LTD. ŞTİ.**  
Mimar Sinan Mah. Bosna Caddesi No : 1/6  
Cekmekoy / İstanbul / Turkey  
T : +90 216 527 29 19  
M : +90 532 255 76 77  
F : +90 216 641 96 47  
www.kzpower.com  
info@kzpower.com