



## KZWU450 DIESEL GENERATOR SET / 50Hz

### OUTPUT RATINGS

50 Hz / 400V

|               |         |
|---------------|---------|
| Standby Power | 450 kVA |
|               | 360 KW  |
| Prime Power   | 410 kVA |
|               | 328 KW  |

### ENGINE (ESP -STAND-BY)

|                                |              |
|--------------------------------|--------------|
| Manufacturer                   | WUXI         |
| Origin                         | CHINA        |
| Model                          | WD145TAD33   |
| No of Cylinder / Configuration | 6 / IN LINE  |
| Displacement (lt)              | 14,5         |
| Bore / Stroke (mm)             | 138 / 160    |
| Cycle                          | 4            |
| Compression Ratio              | 16.00: 1     |
| Aspiration                     | Turbocharged |
| Governor Type                  | Electronical |
| Cooling System                 | Water        |
| Coolant Capacity (lt)          | 65           |
| Lubrication Oil Capacity (lt)  | 32           |
| Injection                      | Direct       |
| Speed / Frequency              | 1500 / 50 Hz |
| Engine Gross Power (kWm)       | 373          |
| Fuel Consumption (gr/kWxh)     | 100% 210     |

### 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)



### ALTERNATOR

|                                  |                |
|----------------------------------|----------------|
| Manufacturer                     | GENTECH        |
| Origin                           | TURKEY         |
| Model                            | GNT-450        |
| No of Phase                      | 3              |
| Power Factor                     | cos 0,8        |
| Number of Bearing                | SINGLE         |
| No of Poles                      | 4              |
| No of Leads                      | 12             |
| Voltage Regulation (SteadyState) | ± %0,5         |
| 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 ( %)                  | %93,7          |



### 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   | 1350x4600x2250 | 4300   | 700       |       |
| OPEN SET   | 1350x3300x1900 | 3200   | 700       |       |



TR-QC-EC-3238



TR-QC-EC-3238



TR-SC-3238



KZ ENERJİ ÇÖZÜMLERİ ve DİŞ TİC. LTD. STİ.

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