

POWERED BY

Model :
KDY-50/S

| PRP | | ESP | | Standby | Voltage/Ph | Hz/rpm | PF |
|-----------|-----------|-----------|-----------|-----------|----------------|----------------|------------|
| kW | kVA | kW | kVA | Amps | | | |
| 40 | 50 | 44 | 55 | 79 | 400/3Ph | 50/1500 | 0.8 |

Prime power

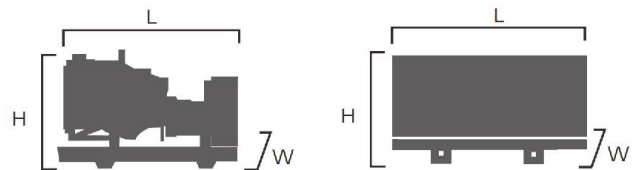
According to ISO8528-1, prime power is the maximum power available during a variable power sequence, which may be run for an unlimited number of hours per year, between stated maintenance intervals. The permissible average power output during at 24 hours period shall not exceed 80% of the prime power. 10% overload available for governing purposes only.

Standby power

According to ISO 8528-1, It is defined as the maximum power available, under the agreed operating conditions, for which the generating set is capable of delivering for up to 500 hours of operation per year (of which no more than 300 hours for continuative use) with the maintenance intervals and procedures being carried out as prescribed by the manufacturers. No overload capability is available.

Diesel Generator Set

| | |
|----------------------------------|---------------------------------------|
| Engine Make /Model | YTO LR4B5-D |
| Alternator Make /Model | Brushless, self-exciting |
| Control Panel | Smartgen HGM6110N |
| Base Frame / Silent Canopy | Robust Structure/ Corrosion Resistant |
| Circuit Breaker Type | 3pole MCCB (4P Available as option) |
| Built in Base Fuel Tank Capacity | 8-12hrs |
| Battery | Maintenance free Lead Acid |



Dimension and Weight

| Dimension | Open | Silent |
|------------|--------|--------|
| Length (L) | 1800mm | 2400mm |
| Width (W) | 800mm | 950mm |
| Height (H) | 1250mm | 1350mm |
| Net Weight | 875KG | 1150KG |

Fuel Consumption

| | |
|------------------|----------|
| 100% prime power | 7.8 L/hr |
|------------------|----------|

§ Engine and Alternator Specification

| Engine | |
|-----------------------|---------------------|
| Engine Brand /Model | YTO LR4B5-D |
| Fuel injection system | Direct Inject |
| No. of cylinders | 4 |
| Bore | 105mm |
| Stroke | 135mm |
| Compression ratio | 17.0:1 |
| Displacement | 4.95L |
| Engine speed | 1500 rpm |
| Rated power | 48KW |
| Intake type | Natural Aspiration |
| Cooling method | Forced watercooling |
| Governor | Mechanical |
| Start motor | 12V |

| Alternator | |
|--------------------------------|---------------------|
| Number of phase | 3 |
| Power factor (Cos Phi) | 0.8 |
| Poles | 4 |
| Winding Connections (standard) | Star-serie |
| Terminals | 12 |
| Insulation type | H class |
| Winding Pitch | 2/3 |
| IP rating | IP23 |
| Excitation system | Self-excited |
| Bearing | Single bearing |
| Coating | Vacuum impregnation |
| Voltage regulator | A.V.R |
| Couping | Flexible disc |

§ Controller

Configuration

- § Emergency stop button
- § Protection MCB
- § Battery charger
- § Integrated aviation plug
- § ATS connection
- § Digital control module



Main Features

- § Automatic mains failure
- § Engine control, Generator protection
- § Built in alarms and warnings
- § Remote Start operation available
- § Daily / weekly / monthly exerciser
- § Weekly operation schedule programs
- § Fuel pump control
- § Mains simulation
- § Block heater control
- § Field adjustable parameters
- § Free MS-Windows Remote monitoring
- § LED displays
- § Configurable analogue inputs
- § I/O expansion capability

Genset Option Features

- § Battery charge
- § Engine heater
- § Daily fuel tank
- § Auto Transfer Switch(ATS)
- § Parallel control panels
- § Circuit Breaker MCCB & ACB
- § Remote Control Panel
- § Weatherproof/soundproof Canopy
- § Trailer type Gensets

Quality Standards

- § ISO9001:2000,ISO14000,ISO3046
- § ISO8528 BS4999
- § BS5514,AS1359,ICE34
- § CE Compliance

Koten Power reserves the right to modify the characteristics of its product at any time in order to incorporate the latest technological developments. The information contained in this document may therefore be changed without notice. For more technical data.