

KOHLER®
IN POWER. SINCE 1920.

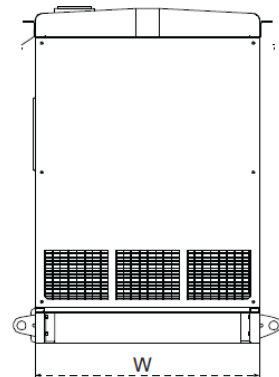
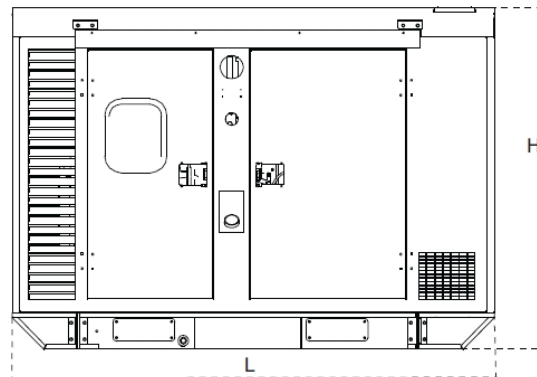
Product specification

KT50 II – Industrial & Stationary Applications

Genset Nomenclature

- **Genset Nomenclature: KT50 II:** Kohler 50 kVA CPCB II Genset with TATA engine.
 - K: Kohler
 - T: TATA (TATA engine)
 - 50: kVA Rating
 - II: CPCB II Certified
- Genset rating: 50 kVA Prime Power, i.e. 40 kWe at 0.8 PF Inductive load, Full Load Current: 70 Amps

KT50 II



Dimension (L X W X H) :- 2660 x 1050 x 1662 mm

Dry Weight:- 1153KG

- **Emission:-** Engine Certified as per CPCB II emission norms
- **Noise:-** Genset meets CPCB requirement of 75 dBA at 1 meter distance at 75 % load



Engine & Alternator Specification

| Engine Specification | |
|--|-------------|
| Engine model | 497 TC 75 |
| Stroke | 4 |
| Type | TCIC |
| Cylinder arrangement | 4, Inline |
| Displacement, Lits | 75.7 |
| Bore and stroke, mm | 97 x 128 |
| Compression ratio | 17.5:1 |
| Rated rpm | 1500 |
| Max.power at rated rpm, BHP | 89.8 |
| Governor: type, make/model | Mechanical |
| Frequency regulation, no-load to full load | Class A2 |
| Frequency regulation, steady state | ISO 8528 G2 |
| Air cleaner type, all models | Dry, 1 |
| Battery charging alternator | 12 Volts |
| Starter motor rated voltage (DC) | 12 Volts |
| Oil pan capacity with filter, L (qt.) | 9.7 |
| Radiator Capacity, L | 18.5 |

| Alternator Specification | |
|----------------------------|---------------|
| Make | Meccalte |
| Model | ECO 32-1L |
| Regulation Type | DSR |
| Type | 4 Pole |
| Exciter type | Brushless |
| Insulation | |
| - Material | Class H |
| - Temperature rise | 125°C, Prime |
| Bearing: quantity, type | 1, Sealed |
| Coupling | Flexible Disk |
| Voltage regulation, | +/- 1% |
| Rating Voltage | 415 |
| Prime rating at 125°C, kVA | 50 |

Controller

Using KOHLER make ADC controller in this range

ADC: Advanced Digital Controller

Controller Model Used :

| kVA Rating | Phase | STD / AMF | Controller Model |
|------------|-------|-----------|------------------|
| 50 | 3 | STD | ADC 2203 |
| 50 | 3 | AMF | ADC 2204 |

All Genset Safety Parameters are monitored by Genset controller. i.e.

- V, A & Hz for 3 phase
- Emergency Stop
- Engine Start/Stop
- Water Temperature & Oil Pressure digitally displayed
- Over crank Protection
- Remote Start compatible:- DG can be started remotely by simply switching on the switch and need not to be in-front of DG.
- Low Battery warning

Enclosure Features

Advance Digital controller for genset start – stop & easy monitoring of all genset parameters

Simple cable entry arrangement

Four point bottom lifting arrangement

Service door arrangement ensures easy access to all service points



Special LED digital fuel indicator, easy to see fuel level even at night time

Fuel filling from outside with lock & key arrangement

Standard fork pocket arrangement

weather and sound resistant enclosure



Kohler advantage – 50 kVA

- Ease of Service
 - ✓ 100% serviceable parts on same side of the set
 - ✓ Easy accessibility and less fatigue to operator
 - ✓ Single window for Sales, Service & spares support
- Advanced Digital Controller
- Best in class Block loading capacity (70%)
 - ✓ Better stability of voltage and current
- Best in class canopy weight (1153 kg)
 - ✓ Ease of handling
 - ✓ No compromise on structural rigidity
- Special LED digital fuel level indicator
- Silencer inside canopy – unique for Kohler

Thank you!