

**KOHLER®**  
**IN POWER. SINCE 1920.**

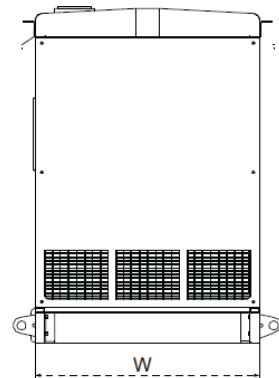
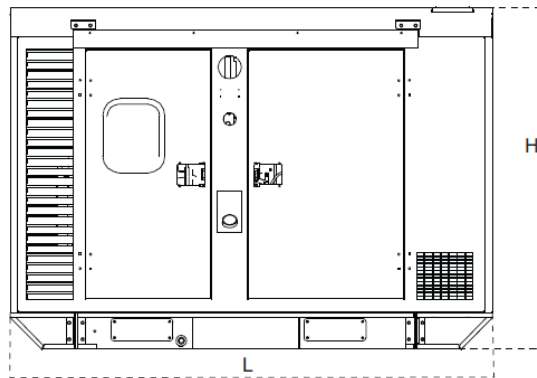
# Product specification

**KT40 II – Industrial & Stationary Applications**

# Genset Nomenclature

- **Genset Nomenclature: KT40 II:** Kohler 40 kVA CPCB II Genset with TATA engine.
  - K: Kohler
  - T: TATA (TATA engine)
  - 40: kVA Rating
  - II: CPCB II Certified
- Genset rating: 40 kVA Prime Power, i.e. 32 kWe at 0.8 PF Inductive load, Full Load Current: 55.6 Amps

# KT40 II



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

Dry Weight:- 1122KG

- **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 76
Stroke	4
Type	TCIC
Cylinder arrangement	4, Inline
Displacement, Lits	4, inline
Bore and stroke, mm	97 x 128
Compression ratio	17.5:1
Rated rpm	1500
Max.power at rated rpm, BHP	63.0
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 32-3S/4
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	40

# Controller

Using KOHLER make ADC controller in this range

**ADC: Advanced Digital Controller**

## Controller Model Used :

kVA Rating	Phase	STD / AMF	Controller Model
40	3	STD	ADC 2203
40	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
- Low Battery warning

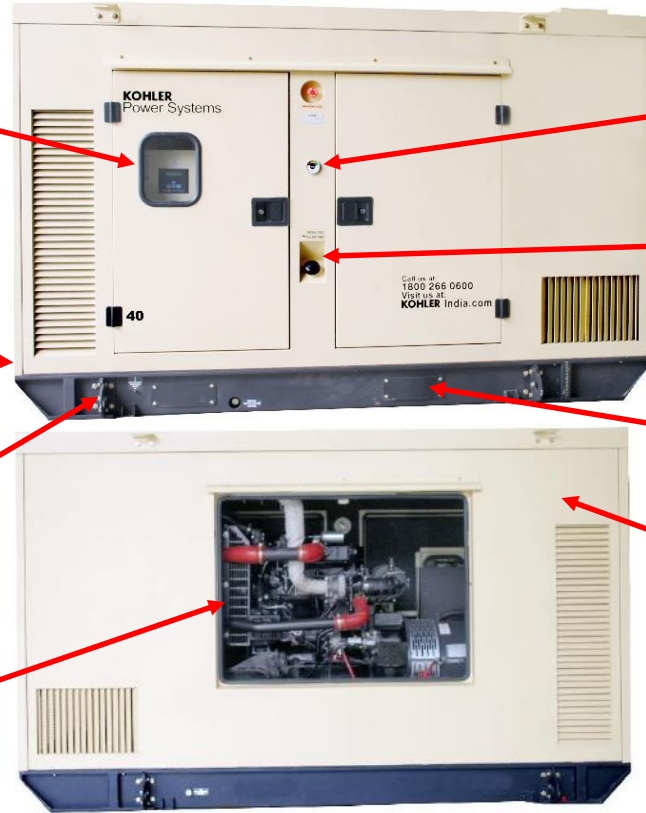
# Enclosure Features

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 – 40 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
- Special LED digital fuel level indicator
- Best in class Block loading capacity (70%)
  - ✓ Better stability of voltage and current
- Best in class canopy weight (1122 kg)
  - ✓ Ease of handling
  - ✓ No compromise on structural rigidity
- Silencer inside canopy – unique for Kohler



**Thank you!**