

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

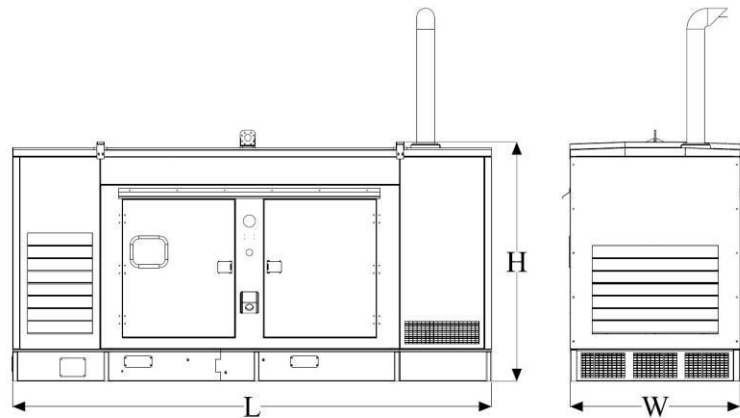
# Product specification

**KM160 II – Industrial & Stationary Applications**

# Genset Nomenclature

- **Genset Nomenclature: KM160 II:** Kohler 160 kVA CPCB II Genset with Mahindra engine.
  - K: Kohler
  - M: Mahindra ( Mahindra engine )
  - 160: kVA Rating
  - II: CPCB II Certified
- **Genset rating:** 160 kVA Prime Power, i.e. 128 kWe at 0.8 PF Inductive load, Full Load Current: 222.6 Amp.

# KM160 II



Dimension (L X W X H) :- 3800 x 1350 x 1896 mm

Dry Weight:- 2234KG

- **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	Mahindra 6.12 TCA
Stroke	4
Type	TCIC
Cylinder arrangement	6, Inline
Displacement, Lits	7.2
Bore and stroke, mm	105 X 137
Compression ratio	16.9:1
Rated rpm	1500
Max.power at rated rpm, BHP	199
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)	24 Volts
Oil pan capacity with filter, L (qt.)	20.2
Radiator Capacity, L	25

Alternator Specification	
Make	Meccalte
Model	ECP34-3L/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	160

## Engine Nomenclature:-

### 6.12 TCA

6 : No of Cylinders

1.2 : Displacement per cylinder

TC : Turbo charged

A : After Cooler

Total engine capacity : 7.2 ltrs i.e. 6 x 1.2= **7.2 litres.**

# Controller

Using KOHLER make ADC controller in this range

**ADC: Advanced Digital Controller**

## Controller Model Used :

kVA Rating	Phase	STD / AMF	Controller Model
160	3	STD	ADC 2300
160	3	AMF	ADC 2302

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 etc.

# Enclosure Features

Single point lifting hook

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

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

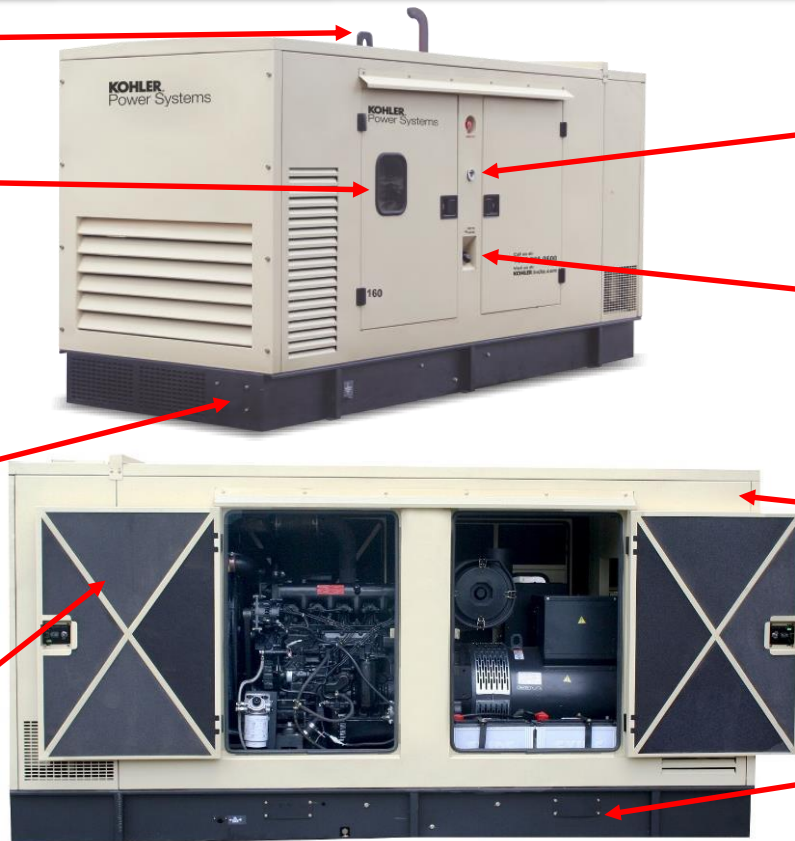
Fuel filling from outside with lock & key arrangement\*

Simple cable entry arrangement

Four door arrangement ensures easy access to all service points

weather and sound resistant enclosure

Standard fork pocket arrangement



# Kohler advantage – 160 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 (2234 kg)
  - ✓ Ease of handling
  - ✓ No compromise on structural rigidity
- Best in class oil consumption (0.013 L/hr)



**Thank you!**