

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

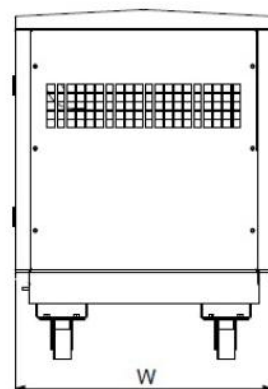
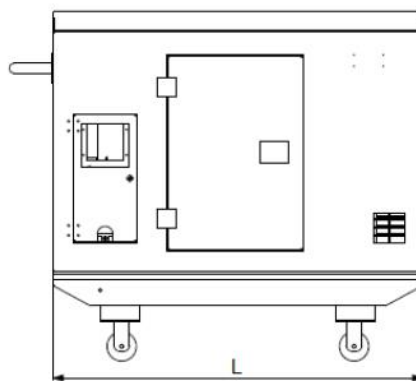
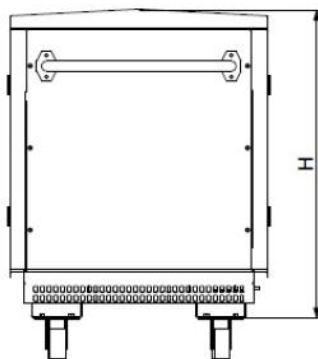
# Product specification

KKN05 II – Industrial & Stationary Applications

# Genset Nomenclature

- **Genset Nomenclature: KKN05 II:** Kohler 5 kVA CPCB II Genset with Kohler engine.
  - K: Kohler
  - K: Kohler engine
  - N: New
  - 05: kVA Rating
  - II: CPCB II Certified
- **Genset rating:** 5 kVA Prime Power, i.e. 4 kWe at 0.8 PF Inductive load, Full Load  
Current: 6.9Amps (3 phase application)

# KKN05 II



Dimension (L X W X H) :- 945 x 660 x 789 mm

Dry Weight:- 209KG

- **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	15LD440-GSI2
Stroke	4
Type	Natural aspirated
Cylinder arrangement	1, inline
Displacement, Lits	0.44
Bore and stroke, mm	76 X 86
Compression ratio	20.3:1
Rated rpm	3000
Max. power at rated rpm, BHP	8.18
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)	1.4

## Alternator Specification

Make	Meccalte
Model (3 phase)	S16W-150
Regulation Type	Capacitor
Type	2 pole
Exciter type	brushless
Insulation	
- Material	Class H
- Temperature rise	125°C, Prime
Bearing : quantity, type	1, sealed
Coupling	Direct
Voltage regulation	+/- 5%
Rating Voltage	415
Prime rating at 125°C, kVA	5

# Controller

Using KOHLER make ADC controller in this range

**ADC: Advanced Digital Controller**

## Controller Model Used :

kVA Rating	Phase	STD / AMF	Controller Model
5	3	STD	ADC 2205
5	3	AMF	ADC 2202

Following Genset Safety Parameters are monitored & controlled by Genset controller. i.e.

- V,A & Hz
- Engine Start/Stop
- Oil Pressure digitally displayed
- Over crank Protection
- Remote Start compatible:- Remote two wire start – stop capability
- Low Battery warning

# Enclosure Features

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



Weather and sound resistant enclosure

Simple cable entry arrangement

Service door arrangement ensures easy access to all service points

Fuel filling inside the canopy



Trolley with handle arrangement

Trolley type with wheels arrangement

# Kohler advantage – 5 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
- Best in class fuel consumption (1L/hr @ 75% load) – lower operating cost
- Higher fuel tank capacity
- Advanced Digital Controller



**Thank you!**