

KOHLER®
IN POWER. SINCE 1920.

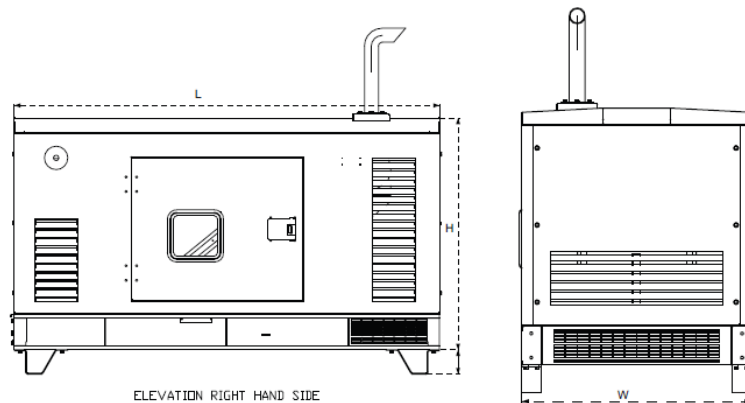
Product specification

KK12.5 II – Industrial & Stationary Applications

Genset Nomenclature

- **Genset Nomenclature: KK12.5 II:** Kohler 12.5 kVA CPCB II Genset with Kohler engine.
 - K: Kohler
 - K: Kohler engine
 - 12.5: kVA Rating
 - II: CPCB II Certified
- **Genset rating:** 12.5 kVA Prime Power, i.e. 10 kWe at 0.8 PF Inductive load, Full Load Current: 17.4Amps (3 phase application) & 54.3 amps (1 phase application)

KK12.5 II



Dimension (L X W X H) :- 1750 x 850 x 1052 mm

Dry Weight:- 419KG

- **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	KDW1003-GSI2
Stroke	4
Type	Natural aspirated
Cylinder arrangement	3, inline
Displacement, Lits	1.08
Bore and stroke, mm	75 X 77.6
Compression ratio	22.8:1
Rated rpm	3000
Max. power at rated rpm, BHP	20.1
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)	4.9
Radiator Capacity, L	4

Alternator Specification

Make	Meccalte
Model (3 phase)	ECP3-1L/2
Model (1 phase)	ECP3-2L/2
Regulation Type	DSR
Type	2 pole
Exciter type	brushless
Insulation	
- Material	Class H
- Temperature rise	125°C, Prime
Bearing : quantity, type	1, sealed
Coupling	Flexible disk
Voltage regulation	+/-1.5%
Rating Voltage	415/230
Prime rating at 125°C, kVA	12.5

Controller

Using KOHLER make ADC controller in this range

ADC: Advanced Digital Controller

Controller Model Used :

kVA Rating	Phase	STD / AMF	Controller Model
12.5	1	STD	ADC 2205
12.5	1	AMF	ADC 2202
12.5	3	STD	ADC 2203
12.5	3	AMF	ADC 2204

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

- V,A & Hz
- Engine Start/Stop
- Coolant Temperature & Oil Pressure digitally displayed
- Over crank Protection
- Remote Start compatible:- DG can be started remotely by simply switching on the toggle 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

Service door arrangement ensures easy access to all service points

weather and sound resistant enclosure

Riser block arrangement for handling

Fuel filling from inside the canopy



Kohler advantage – 12.5 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
- Advanced Digital Controller
- Best in class canopy weight (419 kg)
 - ✓ Ease of handling
 - ✓ No compromise on structural rigidity

Thank you!