

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

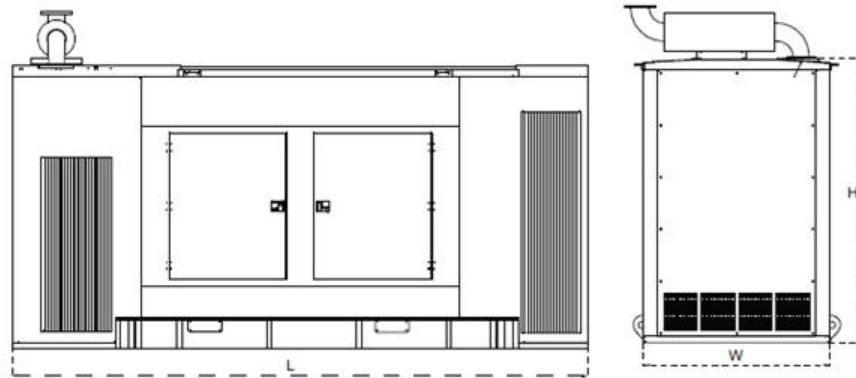
# Product specification

**KVS500 II – Industrial & Stationary Applications**

# Genset Nomenclature

- **Genset Nomenclature: KVS500 II:** Kohler 500 kVA CPCB II Genset with Volvo engine.
  - K: Kohler
  - V: Volvo
  - 500: kVA Rating
  - II: CPCB II Certified
- Genset rating: 500 kVA Prime Power, i.e. 400 kWe at 0.8 PF Inductive load, Full Load Current: 695 Amps.

# KVS500 II



Dimension (L X W X H) :- 5060x1640 x2493 mm

Dry Weight:- 5800KG

- **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	TAD 1651 GE
Stroke	4
Type	TCIC
Cylinder arrangement	6, inline
Displacement, Lits	16.12
Bore and stroke, mm	144 x 165
Compression ratio	16.5:1
Rated rpm	1500
Max.power at rated rpm, BHP	585
Governor: type, make/model	Electronic
Frequency regulation, no-load to full load	Class A1
Frequency regulation, steady state	ISO 8528 G3
Air cleaner type, all models	Dry, 1
Battery charging alternator	24 Volts
Starter motor rated voltage (DC)	24 Volts
Oil pan capacity with filter, L (qt.)	48
Radiator Capacity, L	60

Alternator Specification	
Make	CGL
Model	G1R355SE
Regulation Type	AS440
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%
Short Circuit ratio	0.426
Rating Voltage	415
Prime rating at 125°C, kVA	500

**Note :** We also offer Stamford Alternator in case of special requirement

# Controller

Using KOHLER make ADC controller in this range

**ADC: Advanced Digital Controller**

## Controller Model Used :

kVA Rating	Phase	STD / AMF	Controller Model
500	3	STD/AMF	ADC 2500

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

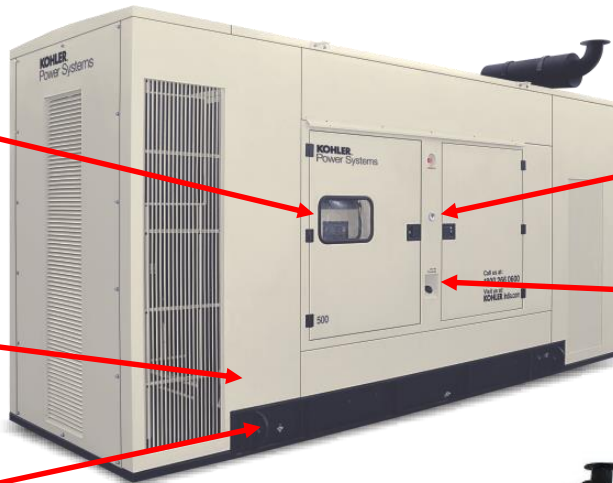
# Enclosure Features

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

Simple cable entry arrangement

Bottom lifting hook

Four 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

weather and sound resistant enclosure

Standard fork pocket arrangement



# Kohler advantage – 500 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 oil consumption (0.1 L/hr)
- Special LED digital fuel level indicator
- Best in class fuel consumption (75.1 L/hr @75% load) – low operating cost
- Best in class canopy weight (5800 kg)
  - ✓ Ease of handling
  - ✓ No compromise on structural rigidity



**Thank you!**