

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

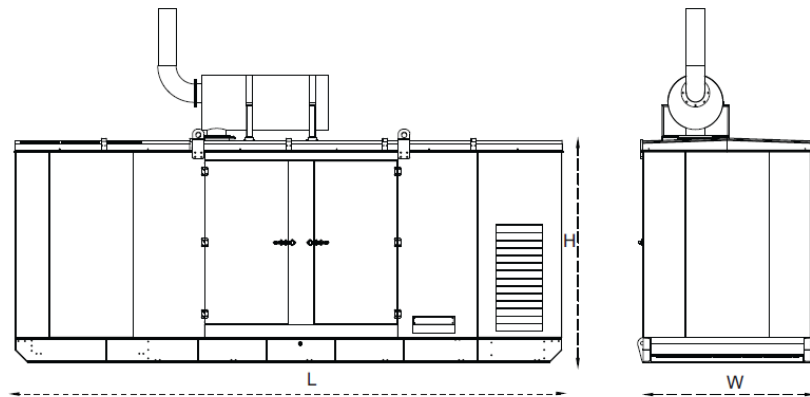
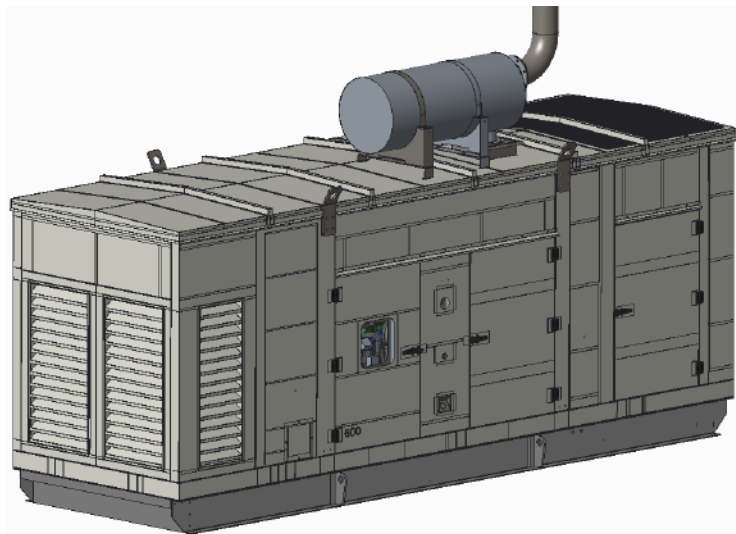
# Product specification

**KVS600 II – Industrial & Stationary Applications**

# Genset Nomenclature

- **Genset Nomenclature: KVS600 II:** Kohler 600 kVA CPCB II Genset with Volvo engine.
  - K: Kohler
  - V: Volvo
  - 600: kVA Rating
  - II: CPCB II Certified
  
- Genset rating: 600 kVA Prime Power, i.e. 480 kWe at 0.8 PF Inductive load, Full Load Current: 834 Amps.

# KVS600 II



Dimension (L X W X H) :- 6500x2000 x2650 mm

Dry Weight:- 7650KG

- **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	TWD1652GE
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	699
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

Alternator Specification	
Make	CGL
Model	G1R355MA
Regulation Type	UVR-7
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	600

**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
600	3	STD/AMF	ADC 2500

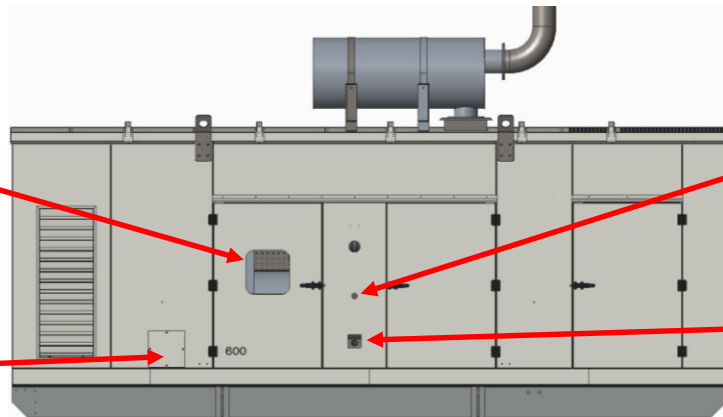
All Genset Safety Parameters are monitored by Genset controller. i.e.

- 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 etc.

# Enclosure Features

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

Simple cable entry arrangement

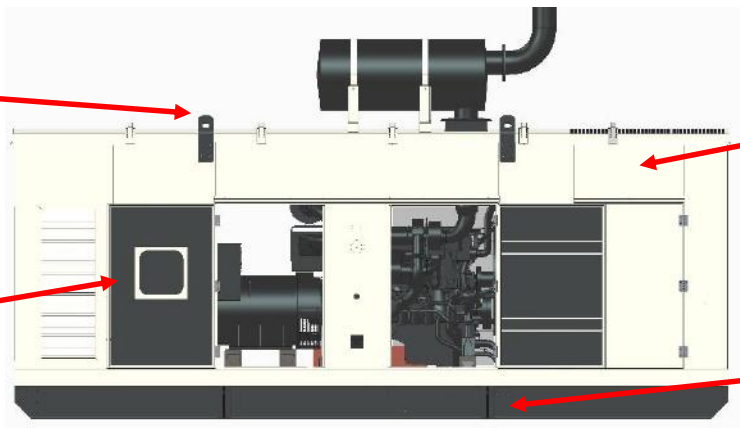


Special LED digital fuel indicator, easy to see fuel level even at night time

Fuel filling from outside with lock & key arrangement

Top lifting hooks

Four door arrangement ensures easy access to all service points



weather and sound resistant enclosure

Standard fork pocket arrangement

# Kohler advantage – 600 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 Block loading capacity (65%)
  - ✓ Better stability of voltage and current
- Best in class oil consumption (0.05 L/hr)
- Special LED digital fuel level indicator
- Best in class fuel consumption (87.5 L/hr @75% load) – low operating cost



**Thank you!**