

KOHLER®
IN POWER. SINCE 1920.

Product specification

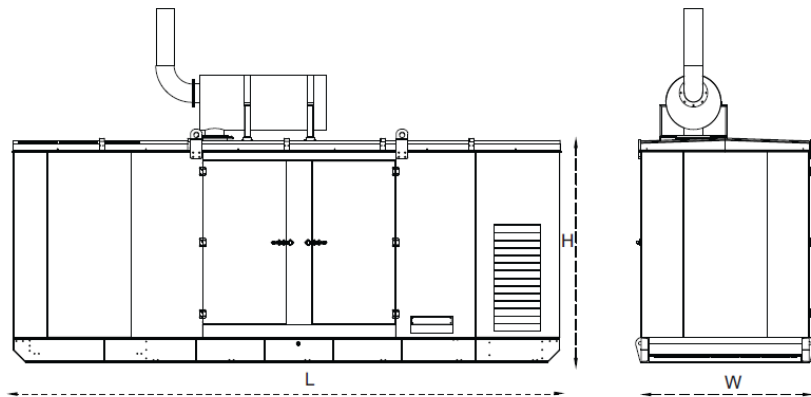
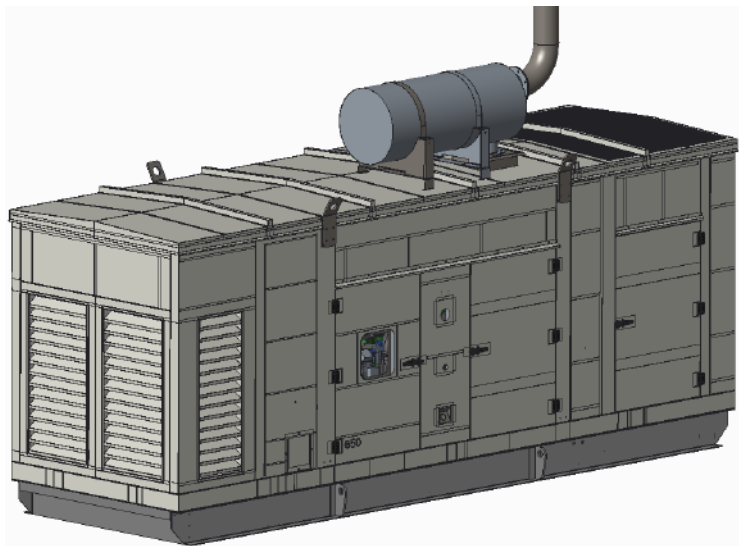
KVS650 II – Industrial & Stationary Applications

Genset Nomenclature

- **Genset Nomenclature: KVS650 II:** Kohler 650 kVA CPCB II Genset with Volvo engine.
 - K: Kohler
 - V: Volvo
 - 650: kVA Rating
 - II: CPCB II Certified

- Genset rating: 650 kVA Prime Power, i.e. 520 kWe at 0.8 PF Inductive load, Full Load Current: 905Amps.

KVS650 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	TWD1653GE
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	756
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	G1R355MA
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	650

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
650	3	STD/AMF	ADC 2500

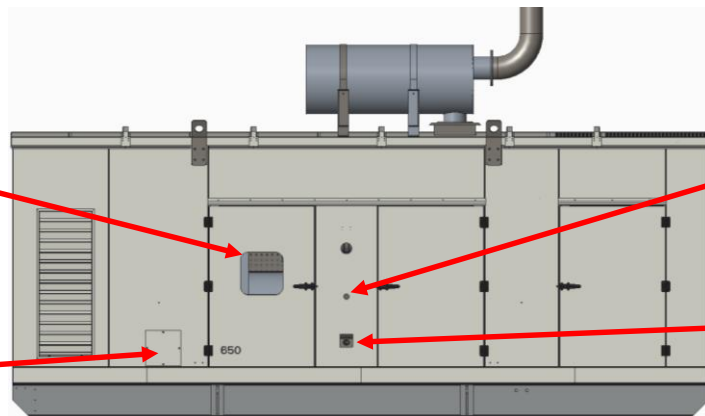
All Genset Safety Parameters are monitored by Genset controller. i.e.

- 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

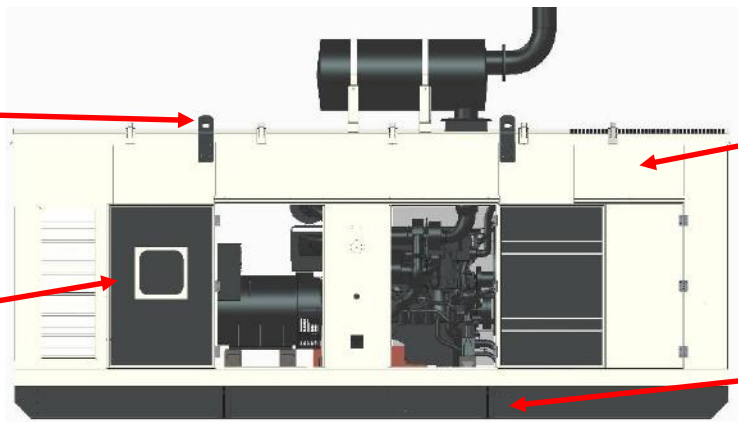


Special LED digital fuel indicator, easy to see fuel level even at night time

Fuel filling from outside with lock & key arrangement

Top lifting hook

Four door arrangement ensures easy access to all service points



weather and sound resistant enclosure

Standard fork pocket arrangement

Kohler advantage – 650 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 oil consumption (0.05 L/hr)
- Best in class canopy weight (7650 kg)
 - ✓ Ease of handling
 - ✓ No compromise on structural rigidity

Thank you!