

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

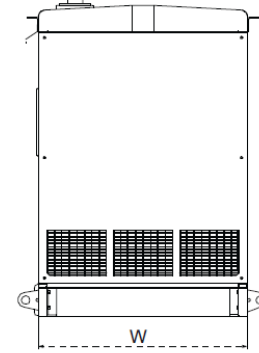
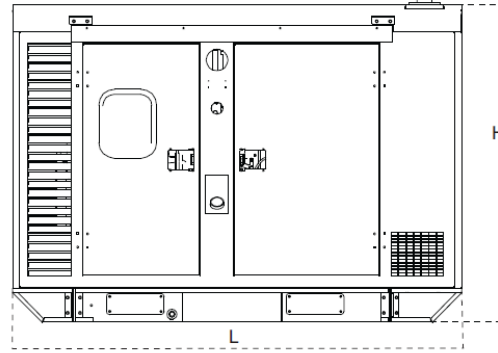
# Product specification

**KE20 II – Industrial & Stationary Applications**

# Genset Nomenclature

- **Genset Nomenclature: KE20 II:** Kohler 20 kVA CPCB II Genset with Escorts engine.
  - K: Kohler
  - E: Escorts (Escorts engine)
  - 20: kVA Rating
  - II: CPCB II Certified
- **Genset rating:** 20 kVA Prime Power, i.e. 16 kWe at 0.8 PF Inductive load, Full Load Current: 28Amps (3 phase application) & 87Amps (1 phase application)

# KE20



Dimension (L X W X H) :- 1997 x 950 x 1450 mm

Dry Weight:- 773KG

- **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                               | G20 II            |
| Stroke                                     | 4                 |
| Type                                       | Natural Aspirated |
| Cylinder arrangement                       | 3, Inline         |
| Displacement, Lits                         | 2.15              |
| Bore and stroke, mm                        | 91X110            |
| Compression ratio                          | 17.5:1            |
| Rated rpm                                  | 1500              |
| Max.power at rated rpm, BHP                | 24.8              |
| 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.)      | 6                 |
| Radiator Capacity, L                       | 10.9              |

| Alternator Specification   |               |
|----------------------------|---------------|
| Make                       | Meccalte      |
| Model ( 3 phase )          | ECO28-1LN/4   |
| Model ( 1 phase )          | ECO28-VL/4    |
| Regulation Type            | DSR           |
| 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%        |
| Rating Voltage             | 415/230       |
| Prime rating at 125°C, kVA | 20            |

# Controller

Using KOHLER make ADC controller in this range

**ADC: Advanced Digital Controller**

## Controller Model Used :

| kVA Rating | Phase | STD / AMF | Controller Model |
|------------|-------|-----------|------------------|
| 20         | 1     | STD       | ADC 2201         |
| 20         | 1     | AMF       | ADC 2202         |
| 20         | 3     | STD       | ADC 2203         |
| 20         | 3     | AMF       | ADC 2204         |

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

- V, A & Hz both 3 phase & 1 phase
- Emergency Stop
- Engine Start/Stop
- Water Temperature & Oil Pressure digitally displayed
- Over crank Protection
- Remote Start compatible
- Low Battery warning etc.

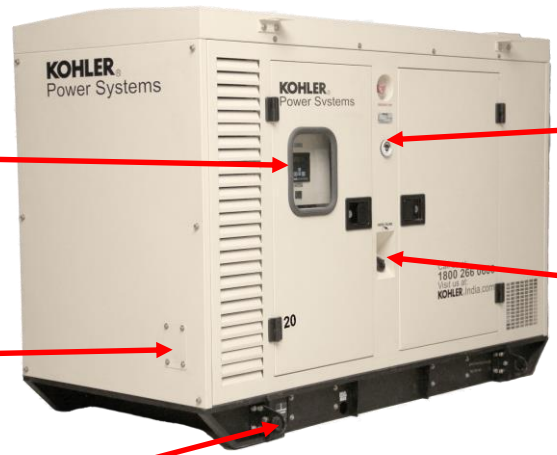
# Enclosure Features

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

Simple cable entry arrangement

Four point bottom lifting arrangement

Service door arrangement ensures easy access to all service points

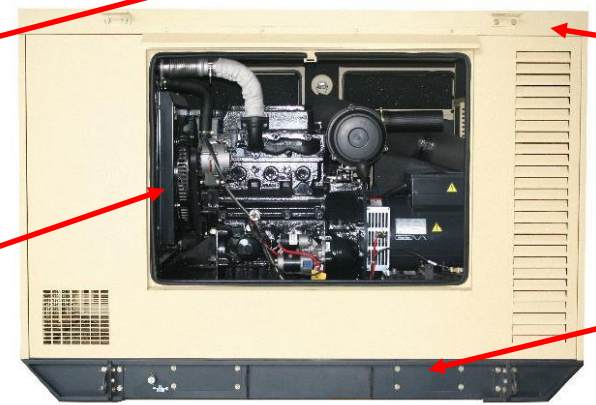


Special LED digital fuel indicator, easy to see fuel level even at night time

Fuel filling from outside with lock & key arrangement

weather and sound resistant enclosure

Standard fork pocket arrangement



# Kohler advantage – 20 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
- Silencer inside canopy – unique for Kohler
- Special LED digital fuel level indicator
- Best in class Block loading capacity (80%)
  - ✓ Better stability of voltage and current
- Best in class canopy weight (773 kg)
  - ✓ Ease of handling
  - ✓ No compromise on structural rigidity



**Thank you!**