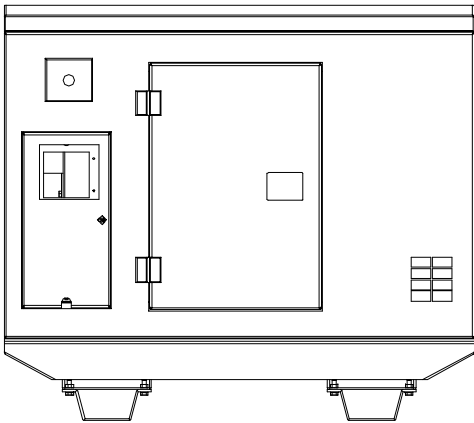


# Model: KK04

**KOHLER** POWER SYSTEMS

**Diesel**

**ISO 9001**  
KOHLER  
POWER SYSTEMS  
NATIONALLY REGISTERED



## Standard Features

- Kohler Co. provides one-source responsibility for the generating system and accessories
- The generator set and its components are prototype-tested, factory-built, and production-tested
- One-year limited warranty covers all systems and components
- Air cooled Diesel Engine
- Single-bearing alternator with class H insulation.
- Subbase fuel tank (8hrs @ 80% rated load).
- Vibration isolators.
- Dry type air filter
- Fuel Filter single stage
- Main line breaker
- Starting battery and cables with inbuilt battery charger.
- CPCB - certified sound enclosure
- Operation and installation literature

## Generator Set Ratings

Genset	Engine	Voltage	PH	Hz	Prime Rating	
					kW/kVA	Amps
KK04	15LD440	230	1	50	3.5/3.5	15.4

**PRIME POWER RATINGS:** Prime power ratings apply to installations where utility power is unavailable or unreliable. At varying load, the number of generator set operating hours is unlimited. A 10% overload capacity is available for one hour in twelve. Ratings are in accordance with ISO-8528/1, overload power in accordance with ISO-3046/1 and BS 5514. For limited running time and base load ratings, consult the factory. Obtain the technical information bulletin (TIB-101) on ratings guidelines for the complete ratings definitions. The generator set manufacturer reserves the right to change the design or specifications without notice and without any obligation or liability whatsoever.

# Alternator Specifications

- Alternator meets BS EN 60034 and the relevant section of other international standards such as Bs5000, VDE 0530, IEC34, CSA C22.2.
- Self-ventilated and dripproof of IP21/23 construction

Specifications	Alternator
Type	2 Pole
Exciter type	Brushless
Insulation	
- Material	Class H
Bearing: quantity, type	1, Sealed

## Application Data

### Engine

Engine Specifications	
Engine model	15LD440
Engine type	Natural Aspiration, IDI
Cylinder arrangement	1
Displacement, L (cu. in.)	0.44 (26.85)
Bore and stroke, mm (in.)	76 x 86 (2.99 x 3.38)
Compression ratio	20.3 : 1
Rated rpm	3000
Max. power at rated rpm, kWm (BHP)	6.1(8.18)
Governor: type	Mechanical
Frequency regulation, no-load to full load	Class A2
Frequency regulation, steady state	ISO 8528 G2
Frequency, Fixed, Hz	50
Air cleaner type, all models	Dry

### Exhaust

Exhaust System	
Exhaust manifold type	Dry
Exhaust flow at rated kW, LPM	1920
Exhaust temperature at rated kW, dry exhaust, °C (°F)	700 (1292)
Maximum allowable back pressure, kPa (in.Hg)	4 (1.20)
Exhaust outlet size at engine hookup, mm (in.)	40 (1.57)

### Operation Requirements

Air Requirements	
Combustion air, LPM	530
Heat rejected to ambient air: Generator, kW (Btu/min.)	

### Noise Level

Measured at 1m per CPCB norms, db(A) CPCB norms

### Engine Electrical

Engine Electrical System	
Starter motor rated voltage, VDC	12
Qty.	1
Battery voltage, VDC	12 Volts
Battery Charger	12V, 5 Amps

### Fuel

Fuel System	
Fuel supply line, min. ID, mm(in.)	5
Fuel return line, mm. ID, mm(in.)	5
Fuel prime pump	Manual
Fuel filter: quantity, type	1
Recommended fuel	#2 Diesel
Fuel tank capacity, L	15

### Lubrication

Lubricating System	
Type	Full pressure
Oil pan capacity, L (qt.)	1.2 (1.26)
Oil filter: quantity, type	1

### Fuel Consumption

Diesel, Lph (gph) at % load @ 0.8 Pf	Prime Rating
100%	0.8
75%	0.7
50%	0.6

### Exhaust Emissions

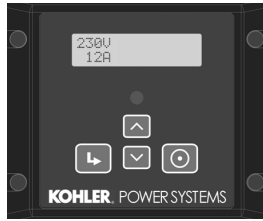
Per ISO 8178-5 mode cycle CPCB norms

# Controller

## Advance Digital Control (ADC 2200) Compact Controller

### LCD display:

- Runtime hours
- Current
- Voltage
- Frequency
- Engine Temperature (Digital I/P)
- Engine oil pressure (Digital I/P)
- Battery V
- Fuel level



### LCD display faults:

- High engine temperature
- Low oil pressure
- Overspeed
- Over & under voltage
- Over & under frequency
- E-stop
- Auxiliary fault
- Low fuel level
- Over load

### Display warning:

- Low battery voltage
- High battery voltage
- Low fuel level

## Standard Features and Accessories Standard Features

- Master switch: Run/Off
- Current selector switch
- Remote two-wire start/stop capability
- Event Log
- Superior electronics
- Factory-built and production-tested
- One-source responsibility for the generating system and accessories
- Automatic start with programmed cranking cycle
- Field Software upgrade possibility

## Environmental Specifications

- Operating temperature: -20°C to 50°C ( -4°F to 122°F)
- Humidity: 0-95% condensing

## Power Requirements

- 12 or 24 VDC with fuse protection
- 120 mA @ 12 VDC

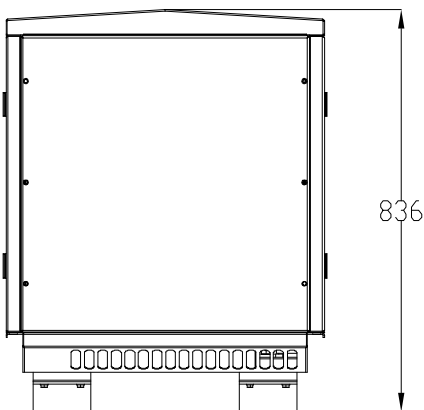
## Dimensions and Weights

Overall Size, L x W x H, mm (in.):

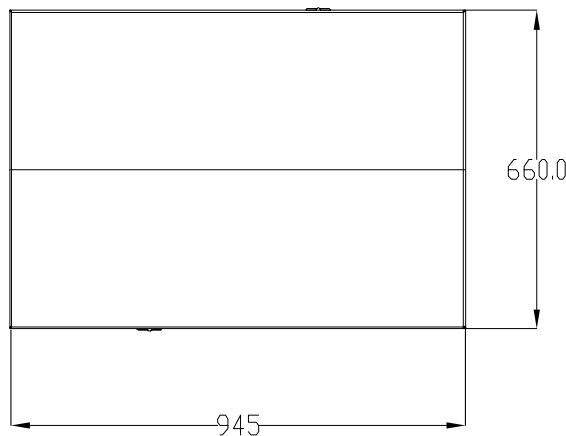
945 x 660 x 836 (37.2 x 26 x 32.9)

Weight: Wet, max., kg (lb.):

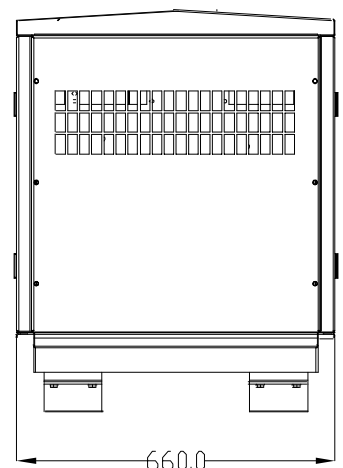
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LHS view



TOP view



RHS view

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