Kohler PA-ECV680-3001 23hp EFI Command Pro Vertical Air Cooled Gasoline Engine Basic All Sales Final



Model Number: PA-ECV680-3001

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Manufacturer: Kohler

Kohler Command Pro EFI Electronic Fuel Injection Vertical Shaft V-Twin Air Cooled Engine PA-ECV680-3001
Special order engine with 90+ day build time line. All Sales Final
Durable, Long Life Design.
Hydraulic valve lifters are oil pressurized, ensuring that push rods stay in constant contact with the rocker arms. Requiring no adjustment, the valve train is virtually maintenance-free. In addition, full-pressure lubrication delivers continuous lube to critical engine components, even at 25-degree angle of operation and optional oil cooler regulates the oil temperature extending oil-change intervals. Large capacity, in-line fuel filter provides extra protection against dirt particles that can clog fuel lines.
High Power Performance.
Overhead valve technology provides greater volumetric efficiency and a higher compression ratio. This produces more power, improved fuel economy and cooling and reduces oil consumption. In addition, there is virtually no carbon buildup, reducing overall maintenance costs. The variable speed, mechanical governor promises smooth performance, regardless of application or fluctuating demands for power.

Reliable Starting.
Kohler Command PRO® electronic ignition system generates a stronger spark at low cranking speed.

Easy Dependable Starts.

Increased Efficiency.

Lowest Operating Cost.

MODEL BENEFITS
Highest Productivity, Lowest Operating Cost
The Kohler closed-loop EFI system provides easier starts, better load response, more power and up to 25% better fuel economy. With fuel savings alone, the system will pay for itself in less than one year.

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Reduced Carbon Footprint
Using up to 25% less fuel than industry-equivalent carbureted models, Kohler's closed-loop EFI reduces emissions by burning less fuel more efficiently.
User friendly EFI diagnostic software
The Kohler EFI Diagnostic Software resolves engine issues with minimal user effort, just like automotive software at your car dealer, keeping your engines in the field and productivity off the charts.

No Carburetor
No carburetor problems, no required choke, and never clean or adjust a carburetor again. Plus, KOHLER EFI means your KOHLER engine will perform the same from day one to the end of it's product life.

Three-year Commercial Warranty
Kohler stands behind its Closed-Loop EFI Engine with a three-year unlimited hour commercial warranty.
Standard Features:
• Overhead Valve Design
• Hydraulic Valve Lifters
• Cast-Iron Cylinder Liners
• PTO Sleeve Bearing (Side Load)
• Electronic Ignition
• Heavy Duty Canister Air Cleaner System (Kohler)
• High Efficiency Grass Screen and Fan
• Closed Breather System
• Stellite® Exhaust Valves
• Full Pressure Lubrication
• In-Line Fuel Filter
• Easy Access Fill Tube and Dipstick-Yellow
• Large Capacity Oil Filter, Dual Oil Drain
• Oil Sentry™
• Variable Speed Governor
• Pulse Fuel Pump
• High Performance Spark Plugs
• 12 Volt Solenoid Shift Starter
• Crankshaft-1"(25.4 mm) Diameter x 3.16" (80 mm) PTO Length, 0.25" (6 mm) Keyway, Drilled and Tapped 1.5" (38 mm) Deep, 7/16-20 UNF
• PTO Face-10" (254 mm) Diameter, 4 through holes, 0.36” (9 mm) Diameter
• Color-Black with Cast Aluminum
• Special Chopper Grass Screen and Fixed Guard
• 20 Amp Alternator, Regulated
• 3/16” Evaporative emissions connection
• See page 43 for Exhaust System Kits

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Standard Features Plus:
• No Exhaust System-Studs, Nuts, and Gaskets only
• Oxygen sensor

Engine Type:
4-cycle, gasoline, OHV, cast iron cylinder liners, aluminum block, electronic fuel injection

Model

Command PRO EFI ECV680

Max Power @3600 RPM hp (kW) 1
23 (17.2)

Displacement cu in (cc)
42 (694)

Bore in (mm)
3.3 (83)

Stroke in (mm)
2.6 (67)

Max Torque lbs. ft (Nm)1
36.3 (49.2)

Compression Ratio
8.7:1

Dry Weight lbs (kg)
108 (49)

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Oil Capacity U.S. quarts (L)
2 (1.9)

Lubrication
Full pressure w/full-flow filter

Dimensions L x W x H in
21.3 x 18.5 x 17.6

Backpressure Limit 2
50

J1995 Power hp (kW) 3
23.3 (17.4)

J1995 Torque lbs ft (Nm) 3
35.7 (48.4)

* Length is front to rear of engine. Width is valve cover to valve cover. Height is mounting surface to top of air cleaner.
1 Max Power (hp) and Max Torque (lbs ft) specifications for Kohler general purpose engines are rated pursuant to Society of Automotive Engineers (SAE) J1940 based on gross output testing performed according to SAE J1995 without the air cleaner and muffler. Actual engine power and torque are lower and affected by accessories (air cleaner, exhaust, charging, cooling, fuel pump, etc.), application, engine speed, ambient operating conditions (temperature, humidity and altitude) and other factors. This J1940 / J1995 rating provides consistent measurement to customers who may want to control the intake and exhaust features of the engine. For more information, contact Kohler Co. Engine Engineering Department. Kohler Co. reserves the right to change product specifications, designs and standard equipment without notice and without incurring obligation.

2 Inches of H20 @ 3600 RPM WOT

3 J1995 power and torque certified by 3rd Party Witness

Owners Manual

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Parts & Accessories > Engines > Kohler Courage Pro Retired Engines (Contact for replacement) > Kohler PA-ECV680-3001 23hp EFI Command Pro Vertical Air Cooled Gasoline Engine Basic All Sales Final

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Service Manual

http://tewarehouse.com/PA-ECV680-3001 $1872

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Options available for Kohler PA-ECV680-3001 23hp EFI Command Pro Vertical Air Cooled Gasoline Engine Basic All Sales Final :

Shipping Surcharges

Home Delivery Needs Liftgate Curb Service Because No Forklift On Site (Required) No Appointment Provided, None Commercial Address Forklift / Loading Dock On Site No Appointment Provided, Commercial Address But Needs Liftgate Service Because No Forklift or Dock on Site No Appointment Provided.

Availability: This product was added to our catalog on Sunday 28 July, 2013

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