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Model Number: PA-CV680-3016

Kohler PA-CV680-3016 Command Pro 23 Hp V-Twin Vertical Engine Electric Start SP23 Exmark  
Lazer HP Rider GTIN N/A

Manufacturer: Kohler

Kohler PA-CV680-3016 Command Pro 23 Hp V-Twin Vertical Engine Electric Start  
CV23 Exmark

EXMARK-LAZER HP-RIDER

Crankshaft 24 014 360 1" X 3.41"L

HDAC Air Cleaner

Wire harness 24 176 109

Efi Jumper 24 176 226-S

Kohler CV680-3016 vertical 4-cycle OHV Command Pro engine is 674cc. This CV680 has a 1" x 3-9/16" crankshaft, a 12V electric solenoid shift starter and a heavy duty air filter. It replaces models PA-75571 and PA-75582. Kohler Command Pro engines have tough features like cast iron cylinder liners and hydraulic valve lifters while remaining user-friendly, efficient and reliable. This engine is an Exmark Lazer HP/Comm Rider replacement engine for mower applications. Buyer protection package provides a three-year engine warranty. 50-State CARB Compliant. All engines purchased from us are foam packed for added protection during transit.

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.

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Reliable Starting.

Kohler Command PRO®; electronic ignition system generates a stronger spark at low cranking speed and Automatic Compression Release (ACR) allows compression to escape during cranking to reduce pull force.

User-Friendly Maintenance.

High Power Performance.

Reliability and Long Life Design.

Quiet, Smooth Operation.

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Easy Dependable Starts.

Engine Type:

4-cycle, gasoline, OHV, cast iron cylinder liners, aluminum block

Model

Command PRO CV680

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

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Displacement cu in (cc)  
41.1 (674)

Bore in (mm)  
3.2 (80)

Stroke in (mm)  
2.6 (67)

Max Torque lbs. ft (Nm)<sup>1</sup>  
40.2 (54.5)

Compression Ratio  
8.5:1

Dry Weight lbs (kg)  
90 (41)

Oil Capacity U.S. quarts (L)  
2.0 (1.9)

Lubrication  
Full pressure w/full-flow filter

Dimensions L x W x H in  
21.2 x 17.7 x 14.3

Backpressure Limit 2  
50

J1995 Power hp (kW) 3  
19.8 (14.8)

J1995 Torque lbs ft (Nm) 3  
34.8 (47.2)

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\* Length is blower housing to air cleaner. Width is spark plug to spark plug. Height is top of air cleaner cover to mounting feet.

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 H2O @ 3600 RPM WOT

3 J1995 power and torque certified by 3rd Party Witness

Kohler Videos  
Kohler CV Owners Manual  
Owners Manual  
Line Drawing  
Service Manual

<http://www.smallenginesuppliers.com/shop/agora.cgi>

\$849

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Standard Features:

- Overhead Valve Design
- Hydraulic Valve Lifters
- Electronic Ignition
- Cast-Iron Cylinder Liners
- PTO Sleeve Bearing (Side Load)
- Digital Spark Advance System (27 HP)
- Large Capacity Dual Element Air Cleaner
- Closed Breather System
- High Efficiency Grass Screen and Fan
- Stellite® Exhaust Valves
- Full Pressure Lubrication
- Large Capacity In-Line Fuel Filter
- Easy Access Fill Tube and Dipstick-Yellow

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- Large Capacity Oil Filter
- Dual Oil Drain
- Oil Sentry® (Switch Installed and Wired- Unconnected)
- Canister Muffler with Heat Shield, Oil Filter Side Outlet
- Variable Speed Governor
- High Performance Accelerator Pump Carburetor
- Fuel Shutdown Solenoid
- Smart-Choke® Carburetor
- Pulse Fuel Pump
- High Performance Spark Plugs
- 12 Volt Solenoid Shift Starter
- 20 Amp Alternator, Regulated
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#### Standard Features Plus:

- Universal Commercial Mowing Replacement Engine
- Special Chopper Grass Screen and Fixed Guard
- No Exhaust System-Studs, Nuts, and Gaskets only
- 3/16" Evaporative emissions connection

#### Overview

#### Features + Benefits

- 12V solenoid shift starter  
Aluminum block
- Spin-on oil filter
- Hydraulic valve lifters
- Oil Sentry  
Includes muffler and exhaust manifold

#### Key Specs

Manufacturer Warranty: 24 months parts / 24 months labor  
Compare to current or past OEM associations:  
B00CNX84BY  
KOH-PA-CV680-3016  
0650531658777

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[https://www.equipatron.com/kohler-pa-cv680-3016.html?utm\\_source=google\\_shopping&gclid=EAlalQobChMliZnLiPDq4AlVzCCtBh1YuAS6EAYYASABEgJ\\_g\\_D\\_BwE](https://www.equipatron.com/kohler-pa-cv680-3016.html?utm_source=google_shopping&gclid=EAlalQobChMliZnLiPDq4AlVzCCtBh1YuAS6EAYYASABEgJ_g_D_BwE)  
\$1676.17  
<https://www.amazon.com/Kohler-PA-CV680-3016-Original-Equipment-Manufacturer/dp/B00CNX84BY> \$1740.39 after 5%  
[http://www.smallenginesuppliers.com/shop/html/pages/products/kohler\\_vertical\\_engines1383.html](http://www.smallenginesuppliers.com/shop/html/pages/products/kohler_vertical_engines1383.html) \$1499.95  
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*Availability: This product was added to our catalog on Tuesday 05 March, 2019*