



Model Number: CV740-3001

Kohler 27hp Command Pro V-Twin Vertical Engine Electric Start 1-1/8in x 3.16in Shaft  
PA-CV740-3001 [CV740-3001] GTIN N/A

Manufacturer: Kohler

Kohler 27hp Command Pro V-Twin Vertical Engine Electric Start 1-1/8in x 3.16in  
Shaft CV740S-0001-70270

Kohler 25 hp Command Pro Vertical Twin Cylinder Engine PA-CV730-3101 CV25  
Also marketed under part 11K741, CV730-0001

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 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.

Easy Dependable Starts.

Equipment: Carpet Cleaning Machines > Vacuum Cleaners > HEPA Concrete Dust Slurry Hazmat Vacuums >

Engine Type:

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

Model

Command PRO CV740

Max Power @3600 RPM hp (kW) 1  
27 (20.1)

Displacement cu in (cc)  
44.0 (725)

Bore in (mm)  
3.3 (83)

Stroke in (mm)

2.6 (67)

Max Torque lbs. ft (Nm)<sup>1</sup>  
42 (56.9)

Compression Ratio  
9.0:1

Dry Weight lbs (kg)  
94 (43)

Oil Capacity U.S. quarts (L)  
2 (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  
23.9 (17.8)

J1995 Torque lbs ft (Nm) 3  
36.2 (49)

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

<sup>1</sup> 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

Owners Manual

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
- 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
- Crankshaft (18-22 HP)-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
- Crankshaft (25-27 HP)-1.125" (28.5 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

#### Standard Features Plus:

- 3/16" Evaporative emissions connection

#### Overview

Kohler 27 HP Command Pro V-Twin OHV Vertical Engine. This 27 HP peak performer features a steel-forged vertical shaft and air-cooling in a V-Twin configuration. U.S.A.

Kohler 27hp Command Pro V-Twin Vertical Engine Electric Start 1-1/8in x 3.16in Shaft CV740S-0001-70270

#### Features + Benefits

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

#### Key Specs

Engine Displacement (cc)

725

Start Type

Equipment: Carpet Cleaning Machines > Vacuum Cleaners > HEPA Concrete Dust Slurry Hazmat Vacuums >

Electric

Engine Type

Command Pro V-Twin CV740 - OHV

Rated Power (HP)

27

Torque (ft./lbs.)

42

Displacement (cu. in.)

44

Shaft Output

Vertical

Shaft Diameter (in.)

1 1/8

Shaft Length (in.)

3 5/32

Shaft End Tapped (Diameter (in.)/Threads per inch)

7/16 - 20

Shaft Rotation (From PTO Shaft Side)

Counterclockwise

Cylinders (qty.)

2

Cylinder Bore

Cast iron

Bore x Stroke (in.)

3.30 x 2.60

Compression Ratio

9.0:1

Cooling System

Air cooled

Air Cleaner Type

Dual element air filter with foam pre-cleaner

Fuel Tank

Not included



Fuel Type

Gasoline

Fuel Pump

Pulse

Fuel Filter

In line

Oil Capacity (qt.)

2

Lubrication System

Full pressure

Ignition System

Electronic

Carburetor

Fuel injection

Max. RPM

3,600

Charging System Amps

20

Muffler Included

Yes

Auto Compression Release

Yes

Bolt Circle (in.)

10

Dimensions L x W x H (in.)

21 3/16 x 17 11/16 x 14 5/16

EPA/CARB Approval (California Air Resource Board)

Yes

Manufacturer Warranty

24 months parts / 24 months labor

Ship Weight

108.0 lbs

Item#

70270

*Equipment: Carpet Cleaning Machines > Vacuum Cleaners > HEPA Concrete Dust Slurry Hazmat Vacuums >*

Manufacturer Warranty: 24 months parts / 24 months labor

*Availability: This product was added to our catalog on Monday 17 January, 2011*