

# KOHLER® Command PRO® V-Twins Model Specifications

Engine Type		Four-cycle, V-twin cylinder, air-cooled, vertical-and horizontal-shaft, gasoline, full-pressure lubrication with oil filter, aluminum head and crankcase with cast-iron cylinder liners, two-barrel carburetor (CH/CV750)					
Model		CH/CV620	CH/CV640	CH/CV680	CH/CV730	CH/CV740	CH/CV750
*Power @ 3600 rpm							
Maximum hp (kW)		18 (13.4)	20 (14.9)	23 (17.2)	25 (18.6)	27 (20.1)	30 (22.4)
Displacement	cu in (cc)	38 (624)		41 (674)	44 (725)		45 (747)
Bore	in (mm)	3 (77)		3.2 (80)	3.3 (83)		
Stroke	in (mm)	2.6 (67)			2.7 (69)		
Peak Torque	CH	32.2 (43.6)	32.7 (44.3)	37.9 (51.4)	40.9 (55.4)	42.3 (57.3)	45 (61)
@ Maximum	lbs ft (Nm)	@ 2200 rpm	@ 2400 rpm	@ 2400 rpm	@ 2400 rpm	@ 2400 rpm	@ 2400 rpm
Peak Torque	CV	31.4 (42.6)	33.3 (45.1)	40.2 (54.5)	41 (55.5)	42 (56.9)	47.1 (63.9)
@ Maximum	lbs ft (Nm)	@ 2200 rpm	@ 2400 rpm	@ 2400 rpm	@ 2400 rpm	@ 2800 rpm	@ 2600 rpm
Compression Ratio		8:5:1			9:1		9:4:1
Dry Weight	lb (kg)	90 (41)			94 (43)		105 (47)
Oil Capacity w/filter	U.S. qt (L)	2 (1.9)					
Lubrication		Full pressure with full-flow filter					
Dimensions L x W x H in (mm)		a/b	a/b	a/b	a/b	a/b	a/b
**a = CH		flat air cleaner: 14 (355) x 17.7 (451) x 19 (483)		CH750: 14 (355) x 17.7 (451) x 22.4 (568.2)		heavy-duty air cleaner: 14 (355) x 17.7 (451) x 26.5 (672) CH750: 14 (355) x 17.7 (451) x 27.8 (708)	
***b = CV		flat air cleaner: 17.8 (452) x 17.7 (451) x 14.1 (358)		(not shown)		commercial mower air cleaner: 21.2 (538) x 17.7 (451) x 14.3 (363)	
		heavy-duty air cleaner: 20.5 (521) x 17.7 (451) x 22.5 (572)					

\*Tested per SAE J1995. Meets SAE J1940 Rating Standard.

\*\*L = grass screen to PTO mounting face W = spark plug to spark plug H = top of air cleaner cover to mounting feet

\*\*\*L = blower housing to air cleaner cover W = spark plug to spark plug H = top of air cleaner cover to mounting surface

## Standard Features

- Accelerator pump (CH730-740, CV18-740)
- Two-barrel carburetor (CH/CV750)
- Electronic fuel injection (CH/CV26, 745)
- 20-amp charging, regulated
- High-performance spark plugs\*
- Top-mount controls (CV18-750)
- High-efficiency fan and screen\*
- Yellow oil cap and dipstick\*
- Commercial mower package (CV18-750)
- Large filters (air, oil, fuel)\*
- Hardened crank journals
- PTO side-load sleeve bearing (CH/CV730-740)
- Hydraulic valve lifters
- Mechanical fuel pump (CH)
- Pulse fuel pump (CV)
- Smart-Choke™ carburetor
- 12-volt solenoid shift electric start
- Dual-element air cleaner
- Dual oil drains
- Electronic ignition
- Solenoid fuel shutdown
- Oil Sentry™ automatic warning/shutdown system (installed, not wired)
- Full-pressure lubrication/full-flow filter

\*Required features for Command PRO engines

## Popular Factory Options

- Remote oil filter
- Rotatable oil filter base
- Muffler guard
- Variety of mufflers
- Exhaust deflector/spark arrestor
- Engine-mounted controls (CH)
- 5 percent governor
- Electronic governor
- SAE A/B pump mounts
- Choice of air cleaners (flat, HD, WAWB)
- 15- and 25-amp charging systems
- Heavy-duty air cleaner (CH/CV740)
- Guard for rotating grass screen
- Chopper-type grass screen
- Additional crank sizes
- Pulse fuel pump (CH)
- Flywheel PTOs
- LP and dual-fuel carburetor (CH20/730)
- PTO thrust bearing (CH730-750)
- Oil cooler (CV18-750)

For more information, contact your KOHLER source of supply, or call toll-free in the U.S. and Canada 800-544-2444.

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[KohlerEngines.com](http://KohlerEngines.com)

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**KOHLER**®

Relentless Power.  
Legendary Performance.

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# KOHLER. Command PRO. V-Twins

18-30 hp Engines



**KOHLER.**

# KOHLER®

PERFORMANCE  
ENGINEERING

Every part, every component, every system on our engines is guided by Kohler's exclusive Performance Engineering. It's your assurance that every engine we produce will live up to and build upon the worldwide KOHLER® reputation for excellence.





### **Easy-access oil fill.**

Has a large opening and integral dipstick for fast oil fills during routine maintenance. Checking oil levels is also fast with a twist-off yellow fill cap and easy-to-read dipstick markings.



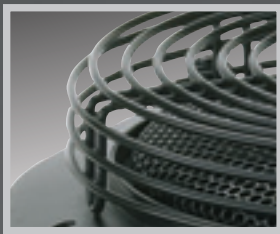
### **Electronic ignition.**

Provides fast, all-weather starts, even at temperatures as low as -20°F (-28.89°C). The system is virtually maintenance-free.



### **Cast-iron cylinder liners.**

Our cylinders take the punishment of any application, under the dirtiest, dustiest conditions. They provide consistent power, superior oil control and reduced exhaust emissions.



### **Various options available on Command PRO® vertical-shaft twins.**

The metal chopper grass screen shreds grass and chaff that could reduce airflow and rob performance. The wire guard that covers the screen is especially helpful in open applications, preventing damage to the screen.



KOHLER® Command PRO® Vertical V-Twins



# The measure of performance.

KOHLER® Command PRO® engines are the professional standard for power and performance. Whatever the job, whatever the power range, from 4 to 40hp, the Command PRO V-Twin Series (nine models from 18 to 30 hp) offers best-in-class engineering, delivering superior performance in torque, fuel and oil consumption, extended maintenance cycles and sound levels.



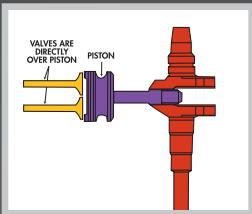
## Full-pressure lubrication.

Delivers continuous, positive lube to engine components, even at 25-degree angle of operation. Full-flow filter cleans entire oil supply 150 times/hour, extending oil-change intervals to 100 hours and filter changes to 200 hours, under normal running conditions.



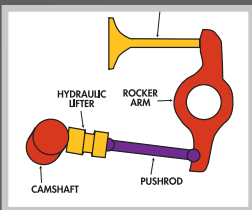
## Optional oil cooler.

Maintains low oil temperatures across entire power range regardless of application. Helps protect the environment by extending oil-change interval.



## Overhead valve technology.

High-efficiency design delivers greater volumetric efficiency and higher compression ratio with virtually no carbon buildup. You run cooler with superior power, fuel efficiency and reduced oil consumption. Plus, you benefit from needing less maintenance.



## Maintenance-free valves.

Valve lifters are oil-pressurized, ensuring that push rods stay in constant contact with rocker arms. Requiring no adjustments, the valve train is virtually maintenance-free.

### Emissions:

Certified for both EPA and California emissions standards. Precise air-to-fuel ratio for cleaner combustion with optimum horsepower and torque.

### Service:

Backed by more than 13,000 dealers and distributors worldwide.

### Warranty:

Two-year limited warranty covering all consumer and commercial applications.

KOHLER® Command PRO® Horizontal V-Twins





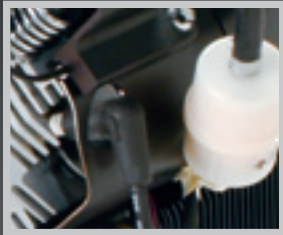
### **Large-capacity, dual-element air filter.**

Traps contaminants to ensure proper engine protection. This results in long life, maximum engine performance and lower exhaust emissions.



### **Standard PTO side-load sleeve bearings.**

High-torque, side-load applications are ensured of consistently strong PTO engagement under the most grueling conditions.



### **Large-capacity, in-line fuel filter.**

Provides extra protection against dirt particles that can clog fuel lines and reduce engine performance. The results are faster starts, smoother operation and virtually no downtime due to fuel contamination.



### **Variable-speed, mechanical governor.**

Promises smooth performance, regardless of application or fluctuating demands for power.

