

# KOHLER® Command PRO® Singles

13-18 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.



# 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 on up to 40 hp. The Command PRO Singles Series – six models from 11 to 18 hp – offers best-in-class engineering and performance on torque, fuel and oil consumption, extended maintenance cycles and overall durability.



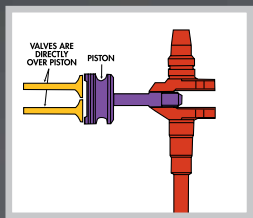
## Full-pressure lubrication.

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.



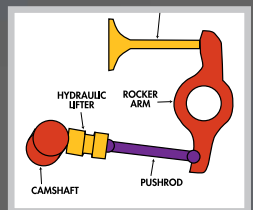
## Quick, easy starts.

KOHLER Command PRO electronic ignition system generates a stronger spark at low cranking speed. Automatic Compression Release (ACR) allows compression to escape during cranking to reduce pull force. Full compression is restored at running speed.



## Overhead valve technology.

High-efficiency design delivers greater volumetric efficiency and higher compression ratio with virtually no carbon build-up. You run cooler with superior power and fuel efficiency, reduced oil consumption and less maintenance.



## Maintenance-free valves.

Valve lifters are oil-pressurized, insuring that push rods stay in constant contact with rocker arms. Requiring no adjustment, 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:

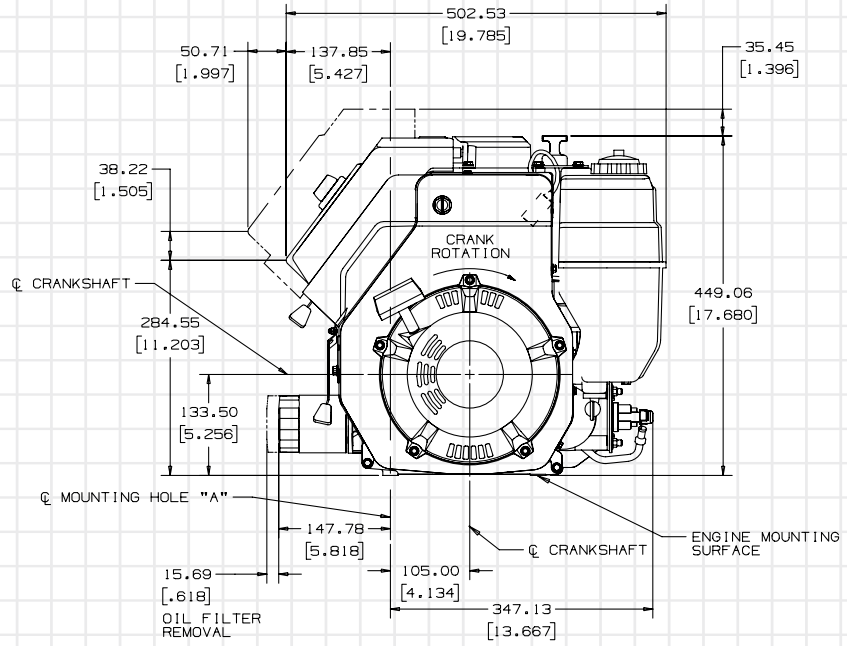
Backed by more than 13,000 dealers and distributors worldwide.

### Warranty:

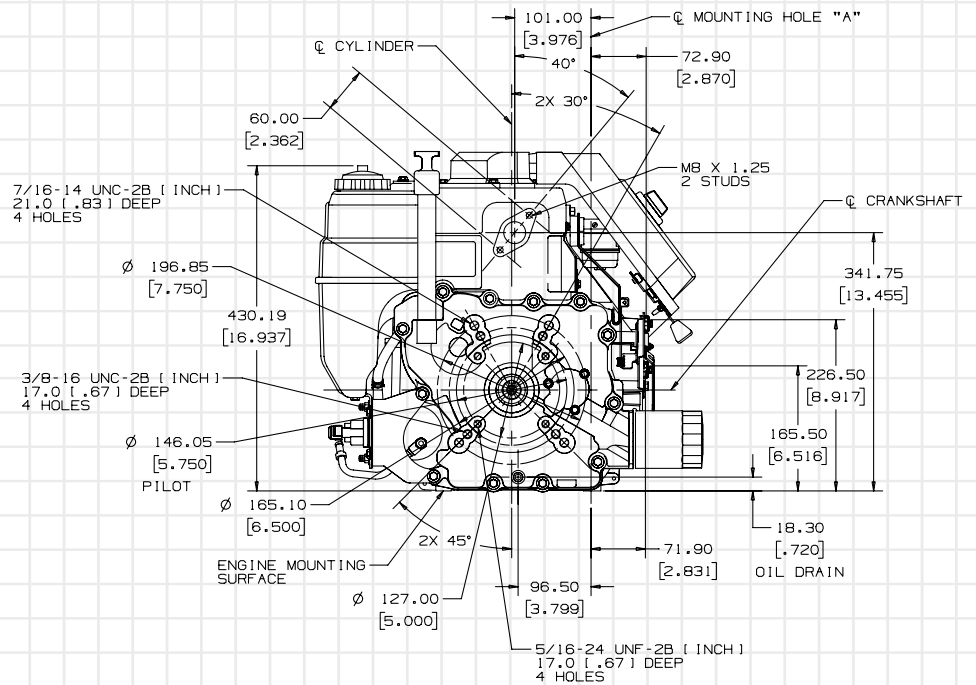
Two-year limited warranty covering all consumer and commercial applications.

11-15 hp horizontal-shaft engines

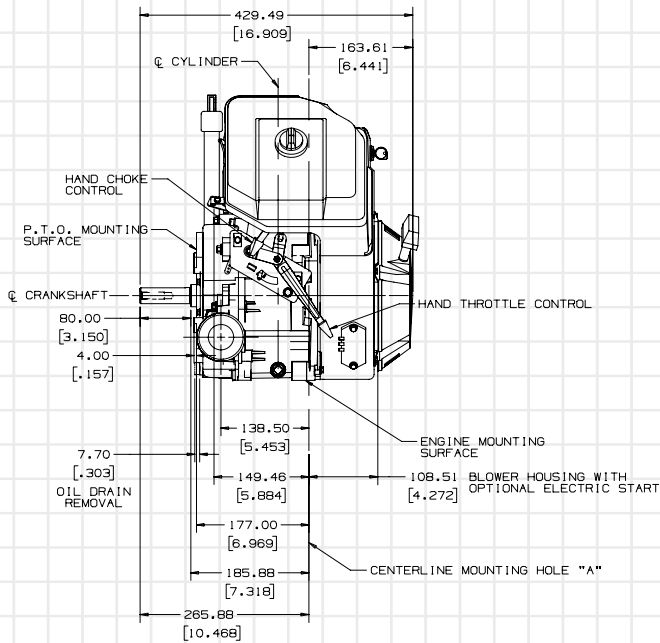
FRONT VIEW



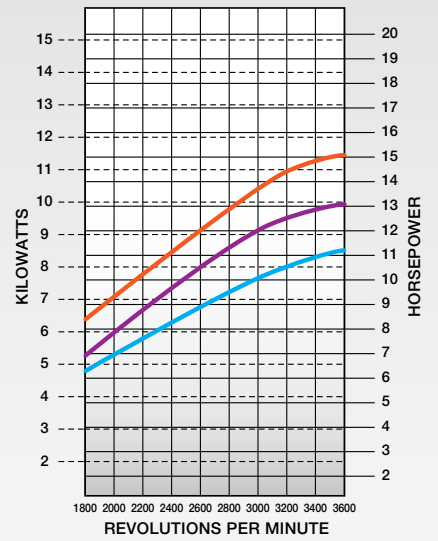
PTO VIEW



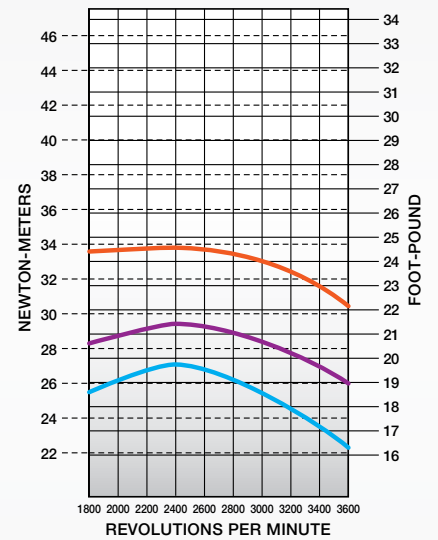
# 11-15 hp horizontal-shaft engines



OIL FILTER SIDE VIEW

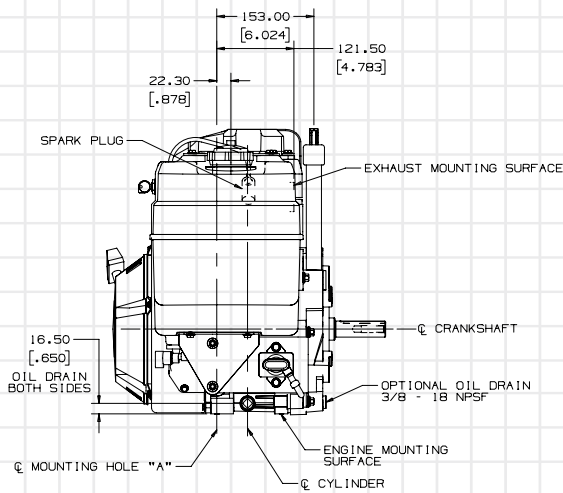


Maximum Power



Maximum Torque

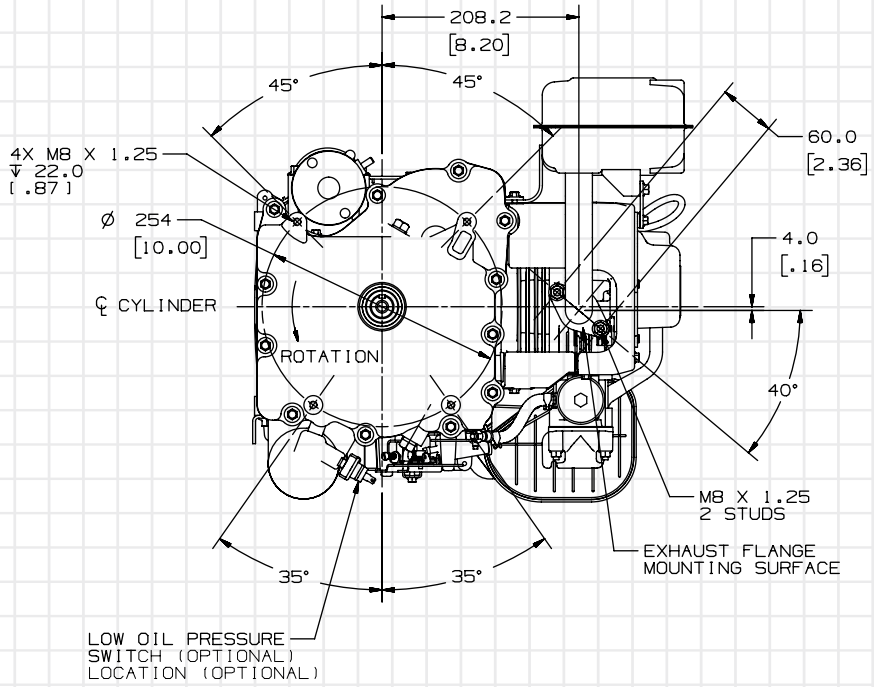
- CH450/CH15
- CH430/CH13
- CH410/CH11



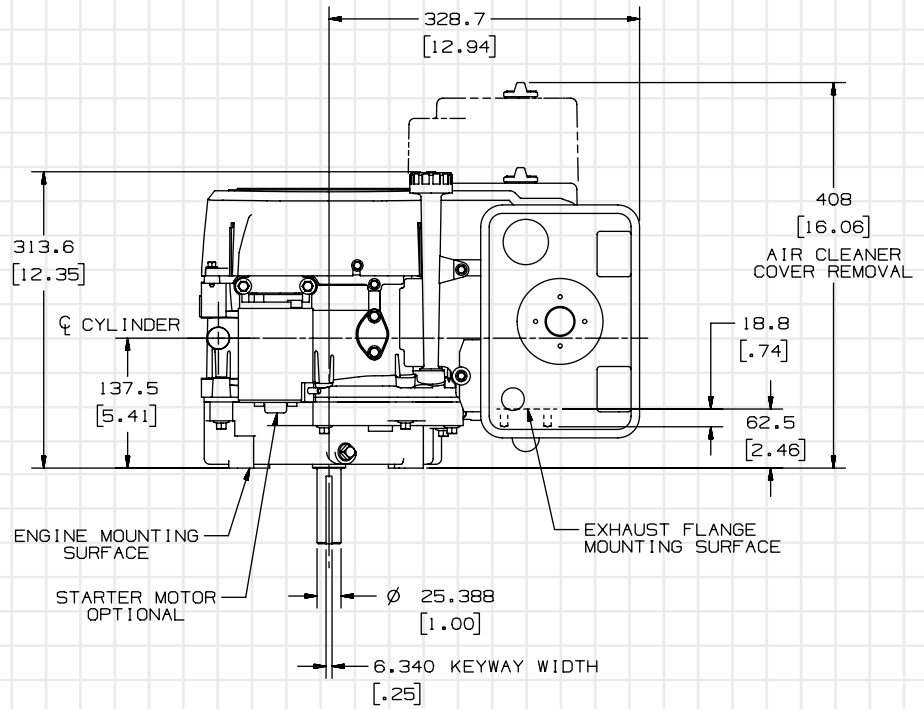
STARTER SIDE VIEW

13-18 hp vertical-shaft engines

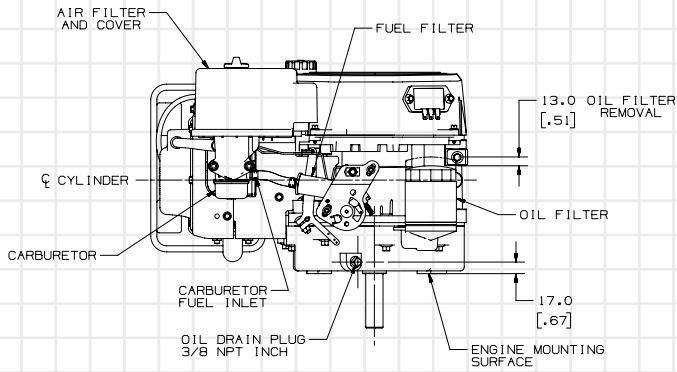
PTO VIEW



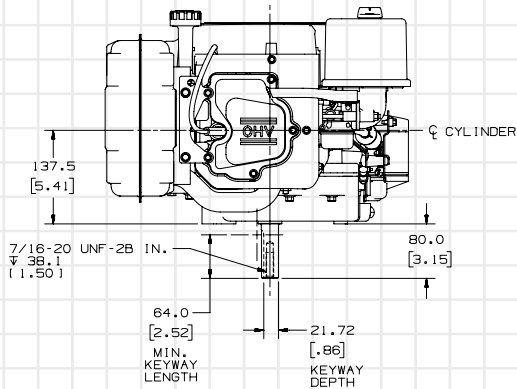
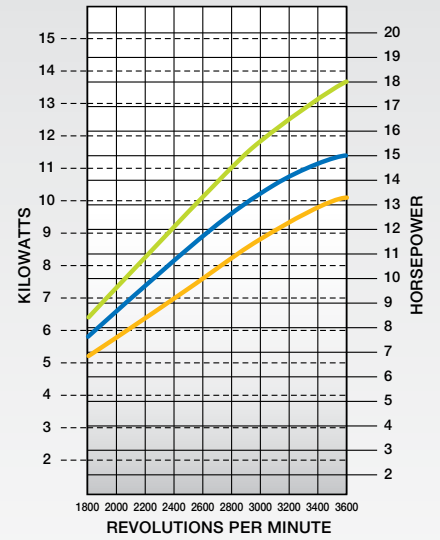
STARTER SIDE VIEW VIEW



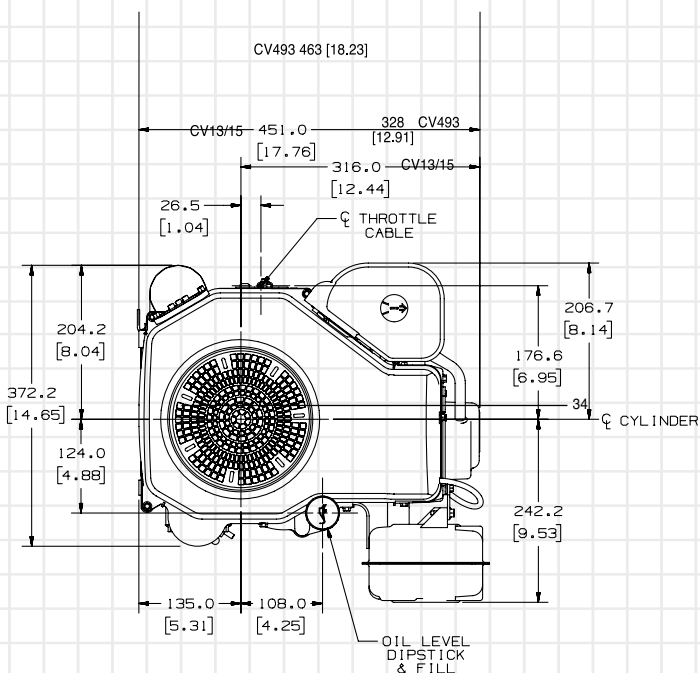
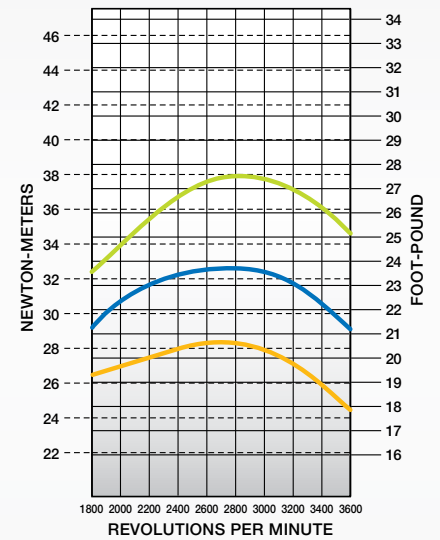
# 13-18 hp vertical-shaft engines



OIL FILTER SIDE VIEW ▼



VALVE COVER VIEW ▼



TOP VIEW ▼

## Maximum Torque

- CV493
- CV450/CV15
- CV430/CV13

# KOHLER® Command PRO® Singles Model Specifications

Engine Type		Four-cycle, single-cylinder, air-cooled, vertical and horizontal shaft, gasoline, full-pressure lubrication with oil filter, aluminum head and crankcase with cast iron cylinder liner.					
Model		CH410/CH11**	CH430/CH13***	CV430/CV13**	CH450/CH15***	CV450/CV15**	CV493***
*Power @ 3600 rpm	Maximum hp (kW)	11 (8.2)	13 (9.7)		15 (11.2)		18 (13.4)
Displacement	cu in (cc)	26.0 (426)					29.9 (490)
Bore	in (mm)	3.6 (90)					
Stroke	in (mm)	2.6 (67)					3 (77)
Peak Torque @ Maximum	lbs ft (Nm)	19.7 (26.7) @ 2400 rpm	21.2 (28.7) @ 2400 rpm	21.2 (28.6) @ 2400 rpm	25.3 (34.3) @ 2400 rpm	23.7 (32.1) @ 2400 rpm	28.1 (38) @ 2800 rpm
Compression Ratio		8:5:1					8:7:1
Dry Weight	lb (kg)	88.3 (40)	87 (39.5)	88 (40)	87 (39.5)	90 (40.8)	
Oil Capacity	U.S. qt (L)	2 (1.9)					
Lubrication		Full-pressure with full-flow filter					
Dimensions L x W x H	in (mm)	13.4 (340) x 19.8 (502) x 17.7 (449)	17.8 (451) x 17.7 (449) x 14.1 (358)	13.4 (340) x 19.8 (502) x 17.7 (449)	17.8 (451) x 17.7 (449) x 14.1 (357)	18.2 (463) x 17.7 (449) x 14.1 (358)	

\* Horsepower ratings are in accordance with Society of Automotive Engineers Small Engine Test Code J1995. Actual engine horsepower is lower and affected by, but not limited to, accessories (air cleaner, exhaust, charging, cooling, fuel pump, etc.), application, engine speed and ambient operating conditions (temperature, humidity and altitude). For more information, contact Kohler Co. Engine Engineering Department. Kohler reserves the right to change product specifications, designs and equipment without notice and without incurring obligation.

\*\* Length includes recoil starter to PTO mounting face. (Subtract 2.2" if no recoil.) Height measures dipstick to base of blower housing.

\*\*\* Length measures valve cover to base of blower housing. Width includes muffler. (Subtract 2.92" if no muffler.) Height includes recoil starter to mounting feet. (Subtract 1.54" if no recoil.)

## Standard Features

- Dual oil drains\*
- Smart-Choke™ carburetor\*
- Hardened crankshaft journals\*
- High-performance spark plug\*
- Valve stem seals\*
- Large filters (air, oil, fuel)\*
- Precision-aligned camshaft\*
- Yellow oil cap and dipstick\*
- Quiet muffler (CV)\*
- Adjustable valve train (CV493 recoil)\*
- Overhead valve design
- Hydraulic valve lifters
- Balance system
- Electronic ignition
- Full-pressure lubrication with full-flow oil filter
- High-efficiency Gerotor™ oil pump
- Extended oil fill
- High-efficiency cooling fan
- In-line fuel filter
- Metal blower housing (CH) (CV recoil)
- Plastic blower housing (CV electric)
- Dual-element air filter
- Automatic compression release
- Unitized throttle/choke control (CV)
- Separate throttle/choke control (CH)
- Recoil start
- Mechanical fuel pump (CH)
- Fuel tank, 5-quart capacity (CH)

\* Required features for Command PRO engines

## Popular Factory Options

- Various mufflers
- Muffler guard
- Deflector for muffler
- Spark arrestor
- Oil Sentry™ automatic warning/shutdown system
- Oil Sentry w/light
- Front drive shafts
- Exhaust manifold for clamp-on muffler (CH)
- Exhaust manifold for threaded muffler (CV)
- Remote oil filter (CV)
- Mechanical fuel pump (CV)
- Separate throttle/choke controls (CV)
- 12-volt electric starter
- 12-volt solenoid shift starter
- 15-amp regulated charging
- 20-amp regulated charging (CH)
- Debris guard (CV)
- Metal grass screen
- Adjustable valve train (CV493 electric)

For more information, contact your KOHLER source of supply  
Or call toll-free in the U.S. and Canada 1-800-544-2444.

**KOHLER**®

Relentless Power.  
Legendary Performance.

Kohler Co., Kohler, Wisconsin 53044 Tel 920-457-4441 Fax 920-459-1570

KohlerEngines.com

© 2007 by Kohler Co. All rights reserved.

Printed in U.S.A. E-2063-D 5/08