Kohler PA-CH640-3204 20Hp Command Pro Basic Horizontal Engine PA-CH640-3229 CH640-3006 GTIN: N/A



Model Number: PA-CH640-3229

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Manufacturer: Kohler

Kohler 20Hp Command V-Twin Engine Electric Start CH20S PA-CH640-3204 Basic PA-CH640-3204 20 HP Basic No Panel or Controls

PA-CH640-3204 Supersedes CH640-3006, CH20S-64500

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.

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Reliability and Long Life Design.

Quiet, Smooth Operation.

Easy Dependable Starts.

Full pressure lubrication. 20 Amp alternator. Pulse fuel pump. Satellite exhaust valves with seat inserts and rotators. 1 7/16" X 4 29/64" shaft is drilled and tapped 5/8"-18: has 3/8" keyway. Two limited warranty.

Overhead Valve Design OHV
• Hydraulic Valve Lifters
• Cast-Iron Cylinder Liners
• Electronic Ignition
• Large Capacity Dual Element Air Cleaner
• High Efficiency Grass Screen and Fan
• Closed Breather System
• Stellite® Exhaust Valves
• Full Pressure Lubrication
• Large Capacity In-Line Fuel Filter
• Easy Access Valve Cover Oil Fill-Yellow
• Oil Level Dipstick-Yellow
• Large Capacity Oil Filter, Dual Oil Drain
• Oil Sentry™ (Switch Installed and Wired but Unconnected)
• Variable Speed Governor
• Fuel Shutdown Solenoid, Smart-Choke™ Carburetor
• Mechanical Fuel Pump
• High Performance Spark Plugs
• 12 Volt Solenoid Shift Starter
• 20 Amp Alternator, Regulated
• Crankshaft-1.437" (36 mm) Diameter x 4.453" (113 mm) PTO Length, 0.375" (9.5 mm) Keyway, Drilled and Tapped 1.5" (38 mm) Deep, 5/8-18 UNF
• PTO Face-5.625" (143 mm) Diameter, (4 Holes) 3/8-16 x 0.67" (17 mm) Deep, 7.75" (197 mm) Diameter, (4 Holes) 7/16-14 x 0.83" (21 mm) Deep
Color Black with Cast Aluminum

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7" (178mm) Diameter Pilot
Exact Specifications Subject To Change Without Notice.

Standard Features Plus:
• 3/16" Evaporative Emissions Connection

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

Model

Command PRO CH640

Max Power @3600 RPM hp (kW) 1
20 (14.9)

Displacement cu in (cc)
39.1 (624)

Bore in (mm)
3.0 (77)

Stroke in (mm)
2.6 (67)

Max Torque lbs. ft (Nm)1
32.7 (44.3)

Compression Ratio
8.5:1

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Dry Weight lbs (kg)
90 (41)

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

Lubrication
Full pressure w/full-flow filter

Dimensions L x W x H in
14 x 17.7 x 19.0

Backpressure Limit 2
50

J1995 Power hp (kW) 3
20.6 (15.4)

J1995 Torque lbs ft (Nm) 3
31.6 (42.8)

* Length is grass screen to PTO mounting face. Width is spark plug to spark plug. Height is top of air cleaner 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 H20 @ 3600 RPM WOT

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Kohler PA-CH640-3204 20Hp Command Pro Basic Horizontal Engine PA-CH640-3229 CH640-3006 GTIN: N/A

3 J1995 power and torque certified by 3rd Party Witness
Service Manual

Sales Brochure

Quick Reference Parts Guide

Kohler Warranty

Owners Manual

106 lbs

Kohler 20Hp Command V-Twin Engine Electric Start CH20S CH640-3004 and PA-CH640 Basic

Overview
Kohler 20 HP Command V-Twin Horizontal Engine. For Simplicity Sun Star garden tractor. This gasoline-driven, 4-cycle, 20 HP engine has reliable features, including: OHV, cast iron V-Twin cylinder liners, and aluminum block construction.

Features + Benefits

Hydraulic valve lifters are oil-pressurized, ensuring that push rods stay in constant contract with the rocker arms

The valve train is virtually maintenance-free and requires no adjustment
Full-pressure lubrication delivers continuous lube to critical engine components, even at 25° angle of operation
Large capacity, in-line fuel filter provides extra protection against fuel line-clogging dirt particles
Overhead valve technology provides greater volumetric efficiency and a higher compression ratio, providing more power, improved fuel economy, reduced oil consumption and better cooling
Virtually no carbon buildup for reduced maintenance costs
The variable speed mechanical governor promises smooth performance, regardless of application or fluctuating demands for power
The Kohler Command® electronic ignition system generates a stronger spark at lower cranking speeds and the Automatic Compression Release (ACR) system allows compression to escape during cranking to reduce pull force for reliable starts

Easy maintenance, thanks to easy-access oil fill cap and dipstick handle and dual oil drains
High power performance, with high-performance spark plugs, a 15 Amp regulated

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alternator and a large in-line fuel filter
Reliable, long-life design with hardened crankshaft journals, high-efficiency fan and screen, large dual-element air filter with foam pre-cleaner, cast iron cylinder liners and a spin-on, full-flow oil filter
Quiet, smooth operation thanks to an engineered material blower housing and a mechanical fuel pump
CARB and EPA-emission certified
Smart-Choke® carburetor
Electronic ignition system
Solenoid shift starter

What's Included

- (1) Engine
-

Key Specs

Air Cleaner Type
Large capacity dual element

Fuel Type
Gasoline

Fuel Pump
Mechanical

Fuel Filter
Large capacity in-line

Oil Capacity (qt.)
2

Lubrication System
Full pressure

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Low Oil Alert
Oil Sentry

Low Oil Shutdown
Oil Sentry

Ignition System
Electronic

Governor System
Variable speed

Carburetor
Smart Choke

Throttle Control
Engine-mounted

Choke Control
Smart Choke

Max. RPM
3,600

Charging System Amps
20

Muffler Included
No

Bolt Circle (in.)
7

Mounting Base L x W (in.)

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Parts & Accessories > Engines > Kohler Command Pro 20.5hp PA-CH640 > Kohler PA-CH640-3204 20Hp Command Pro Basic Horizontal Engine PA-CH640-3229 CH640-3006 GTIN: N/A

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7 1/4 x 3 1/2

Mounting Bolt Pattern L x W (in.)
7 1/4 x 3 1/2

Dimensions L x W x H (in.)
14 x 17.7 x 19

EPA/CARB Approval (California Air Resource Board)
Yes

Manufacturer Warranty: 24 months parts / 24 months labor
20110823sdw

Options available for Kohler PA-CH640-3204 20Hp Command Pro Basic Horizontal Engine PA-CH640-3229

CH640-3006 GTIN: N/A :

Extended Warranty

+ No Extended Warranty, 2 Additional Years Parts Plus On Site Labor (Items under $2500.00) [SBMW2-2500], 4 Additional Years Parts and On Site Labor (Items under $2500.00) [SBMW4-2500].

Shipping Surcharges

Commercial Address But Needs Liftgate Service Because No Forklift or Dock on Site No Appointment Provided, 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.

Availability: This product was added to our catalog on Tuesday 17 September, 2013

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