



Model Number: PA-CH640-3173

Kohler 20Hp Command Pro Horizontal Engine Electric Start PA-CH640-3017 PA-CH640-3139  
PA-CH640-3173 GTIN N/A

Manufacturer: Kohler

Kohler 20Hp Command V-Twin Engine Electric Start CH20S CH640-3017 Makelim  
Hydro Tek Pressure

PA-CH640 Has been superseded by new part #PA-CH640-3139. Discontinued and  
replaced with special order engine PA-CH640-3173 with a 8 week wait. Same  
crankshaft, same flat air cleaner, different wire harness.

Used on Prochem truckmounts and pressure washers from Hydrotek, Karcher, Hotsy,  
Landa, Shark

AKS PA-64707

CH640 E09 NEW AMERICAN SPORTWORKS

Different wire harness than the original

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.

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-(24014381-S) 1"(25.4) x 3"(76)
  - Drilled & Tapped 3/8-24 UNF
  - .25"(6.36) key way
  - 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
  - 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

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 H2O @ 3600 RPM WOT

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

Sales Brochure

Quick Reference Parts Guide

Kohler Warranty

Equipment: [Carpet Cleaning Machines](#) > [Vacuum Cleaners](#) > [HEPA Concrete Dust Slurry Hazmat Vacuums](#) >

Owners Manual

106 lbs

Kohler 20Hp Command V-Twin Engine Electric Start CH20S CH640-3017 Prochem  
Makelim  
Pressure washers from Hydro Tek Karcher, Hotsy, Landy, Shark PA-CH640-3173

Availability: This product was added to our catalog on Wednesday 18 September, 2013