Kohler PA-CH640-3084 20Hp Command Pro Horizontal Engine Electric Start CH20S Vermeer All Sales Final



Model Number: PA-CH640-3084

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Manufacturer: Kohler

Kohler 20Hp Command V-Twin Engine Electric Start CH20S CH640-3084 Vermeer Trencher
Non stock engine must be assembled at the manufacture.
Please allow 90+ days for delivery
All Sales Final

PA-CH640-3084
CH640 E3 VERMEER (TRENCHER)
Kohler Command 20 HP Twin OHV Horizontal
Crankshaft: (24014356-S)

12 Volt Electric Start: (2509811-S)
Alternator: (237878-S) 15/20 Amp
Regulator: (4140310-S)

Fuel Pump: (2455910-S) Valve Cover Style
Oil Filter: (5205002-S)
Oil Cooler: (5475521-S)
Muffler: (2478619-S) Canister, Starter Side/Straight
Air Filter: (4708303-S) Standard

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

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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

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• 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
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)

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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

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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

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

Sales Brochure

Quick Reference Parts Guide

Kohler Warranty

Owners Manual

106 lbs

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Options available for Kohler PA-CH640-3084 20Hp Command Pro Horizontal Engine Electric Start CH20S Vermeer

All Sales Final :

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

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, +Home Delivery Needs Liftgate Curb Service Because No Forklift On Site With Appointment Delivery Time, Commercial Address But Needs Liftgate Service Because No Forklift or Dock on Site No Appointment Provided.

Parts & Accessories > Engines > Kohler Command Pro 20.5hp PA-CH640 > Kohler PA-CH640-3084 20Hp Command Pro Horizontal Engine Electric Start CH20S Vermeer All Sales Final

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Availability: This product was added to our catalog on Tuesday 12 November, 2013

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