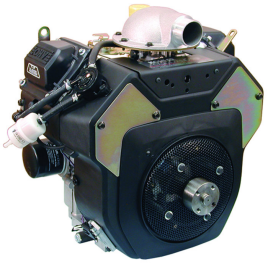
Kohler PA-CH680-3171 22.5-23HP Command PRO Horizontal Engine Walker ZTR Replaces PA-CH680-3057 CH680-3024 CH640-3109 CH640-3013 CH20S-64757



Model Number: PA-CH680-3171

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Manufacturer: Kohler

Kohler PA-CH680-3171 22.5HP Command PRO Horizontal Engine for Walker ZTR Mowers
Current Kohler replacement engine for multiple discontinued Walker CH20S, CH640, CH641, and CH680 engine specifications.
Current Engine Supplied: PA-CH680-3171

Kohler has consolidated multiple older Walker mower engine specifications into the current PA-CH680-3171 replacement engine. Orders placed from this page will be filled with the current PA-CH680-3171 engine, not one of the discontinued engine numbers listed below.
Verified Kohler Replacement Numbers
The current PA-CH680-3171 engine replaces or supersedes the following Kohler Walker engine specification and part numbers:

Previous Kohler Number
Number Variations
Replacement Status

CH680-3057
PA-CH680-3057
Replaced by PA-CH680-3171

CH680-3127
PA-CH680-3127
Replaced by PA-CH680-3171

CH680-3024
PA-CH680-3024
Previously converted through the CH680 Walker replacement series

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CH641-3013
PA-CH641-3013
Replaced by PA-CH680-3171

CH641-3012
PA-CH641-3012
Superseded by PA-CH680-3171

CH640-3109
PA-CH640-3109
Superseded by PA-CH680-3171

CH640-3013
PA-CH640-3013
Replaced by PA-CH680-3171

CH20S-64757
PA-64757, 64757
Older 20HP Walker engine superseded by PA-CH680-3171

CH20S-64694
PA-64694, 64694
Older Walker specification superseded by PA-CH680-3171

The “PA-” prefix may appear on packaging, invoices, dealer systems, and engine listings. The engine identification label may show the model and specification without the PA prefix.
Factory Inventory: As of July 16, 2026, Kohler's dealer inventory system reports approximately 113 engines available. Inventory changes daily and is not guaranteed until your order is accepted and scheduled for shipment.

Historical Replacement Progression
Depending on the age of the Walker mower, the original engine may have passed through more than one Kohler replacement number before reaching the current PA-CH680-3171 configuration. A typical replacement progression may appear as

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follows:
CH20S-64694 / CH20S-64757
↓
CH640-3013 / CH640-3109 / CH641-3012 / CH641-3013
↓
CH680-3024
↓
CH680-3057 / CH680-3127
↓
PA-CH680-3171
The precise sequence can vary by the original engine specification. The important issue is whether the complete engine specification number is included in Kohler's replacement group. Do not select a replacement engine based only on horsepower or the general CH20, CH640, CH641, or CH680 model family.
PA-CH680-3171 Current Engine Information

Manufacturer
Kohler

Current Part Number
PA-CH680-3171

Model and Specification
CH680-3171

Engine Series
Kohler Command PRO

Application
Applicable Walker Manufacturing zero-turn-radius mowers

Rated Power
22.5 horsepower

Displacement

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674cc

Engine Configuration
Air-cooled, four-cycle, overhead-valve V-twin

Shaft Orientation
Horizontal

Starting System
12-volt electric start

Charging System
15-amp alternator

Fuel System
Carbureted gasoline engine

Lubrication System
Full-pressure lubrication with spin-on oil filter

Mounting Configuration
Walker ZTR flush-mount or stub-shaft application

Fuel Tank
Not included

Muffler
Not included unless expressly stated otherwise

GTIN / UPC
Not available / N/A

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Horsepower descriptions on older listings may show 20HP, 20.5HP, 22.5HP, or 23HP. The complete Kohler model and specification number is more important than the historical horsepower description.

Why the Horsepower Number Changed

Some of the original Walker engines were marketed as 20HP or 20.5HP engines, while later CH680 versions were marketed as 22.5HP or 23HP. This does not necessarily mean the replacement is incorrect.

Kohler changed engine families, displacement, rating standards, emissions configurations, and production specifications over time. Replacement compatibility is determined by the complete Kohler specification and supersession history—not by matching the advertised horsepower number alone.

Do Not Order by Horsepower Alone

Kohler manufactured many horizontal engines with similar horsepower ratings but different crankshafts, mounting arrangements, wiring, charging systems, controls, air-cleaner systems, fuel systems, exhaust arrangements, and PTO configurations. A generic 20HP, 22.5HP, or 23HP Kohler engine is not automatically interchangeable with this Walker engine.

Command PRO Engine Features

- Commercial-duty overhead-valve V-twin design
- 674cc displacement
- Cast-iron cylinder liners
- Hydraulic valve lifters
- Electronic ignition
- Automatic Compression Release for easier starting
- 12-volt electric starter
- 15-amp charging system
- Full-pressure lubrication system
- Spin-on, full-flow oil filter
- Integrated oil-cooling features
- Hardened crankshaft journals
- Heavy-duty air-filtration system
- High-efficiency cooling fan
- Fuel-shutdown solenoid
- Mechanical governor
- Replaceable in-line fuel filter

Walker Mower Application

PA-CH680-3171 is designed for applicable Walker zero-turn-radius mower installations originally equipped with one of the supported engine specification numbers listed on this page.

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Walker may use application-specific components that are not automatically included with a replacement engine. Depending on the mower model and original engine, installation may require transferring or reusing some of the following:

- Muffler and exhaust pipes
- Exhaust mounting brackets
- Air-cleaner housing or intake components
- Throttle and choke cables
- Control brackets
- Electrical connectors or wiring adapters
- Fuel lines and fittings
- Pulleys, clutches, couplings, or driven components
- Heat shields
- Mounting hardware
- Other Walker-specific components

The current replacement engine may not look exactly like the original engine being removed. Differences in covers, labels, wiring, controls, air-filter components, and other production details do not automatically indicate that the replacement engine is incorrect.

What You Receive

- One genuine Kohler PA-CH680-3171 Command PRO engine
- Factory-installed components supplied as part of Kohler's current CH680-3171 configuration
- Engine manual when included by Kohler
- Kohler factory warranty documentation when supplied by the manufacturer

Not automatically included: fuel tank, muffler, exhaust system, clutch, pulley, wiring adapter, throttle cable, choke cable, equipment-specific mounting brackets, heat shields, fuel lines, installation labor, or other Walker-specific components unless expressly stated as included.

Verification Before Ordering

Before placing the order, locate the Kohler identification label on the original engine. The label normally provides the complete engine model, specification, and serial number.

For the most accurate verification, email clear photographs of:

- The complete Kohler engine identification label
- The entire engine installation
- The PTO, crankshaft, or driven end of the engine
- The engine wiring connector and electrical connections
- The air-cleaner and intake arrangement

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- The muffler and exhaust arrangement
- The throttle and choke control connections
- The Walker mower model and serial-number label

Compatibility Warning:

This engine should only be ordered as a replacement for a supported Kohler specification. The fact that an engine was installed in a Walker mower, is rated near 20 to 23 horsepower, or belongs to the CH20S, CH640, CH641, or CH680 family does not by itself prove compatibility.

Frequently Asked Questions

Does PA-CH680-3171 replace PA-CH680-3057?

Yes. PA-CH680-3171 is the current replacement for PA-CH680-3057.

Does it replace PA-CH680-3127?

Yes. PA-CH680-3127 has been superseded by PA-CH680-3171.

Does it replace CH680-3024?

CH680-3024 is included in the older Walker CH680 replacement group that progressed through later specifications, including CH680-3057, before PA-CH680-3171.

Does it replace CH641-3013?

Yes. PA-CH641-3013 is shown as replaced by PA-CH680-3171.

Does it replace CH641-3012?

CH641-3012 is listed among the older Walker engine specifications superseded by CH680-3171.

Does it replace CH640-3013?

Yes. CH640-3013 is listed as an older Walker engine that can be replaced by CH680-3171.

Does it replace CH640-3109?

CH640-3109 is listed in the supersession group for the current CH680-3171 Walker engine. Because it is an older engine configuration, verify the installation and determine which original Walker components must be transferred.

Does it replace CH20S-64757?

Yes. CH20S-64757, also displayed in some systems as PA-64757, is an older Walker engine specification superseded by the current CH680-3171.

Does it replace CH20S-64694?

CH20S-64694, also displayed as PA-64694, is listed among the older Walker engine numbers superseded by PA-CH680-3171.

Why does my original engine say 20HP?

The original engine may have been sold under an older horsepower rating. Kohler later consolidated several older Walker specifications into a newer 674cc CH680 replacement. Order by the complete specification number rather than horsepower alone.

Will the new engine look exactly like my original?

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Not necessarily. Replacement engines can have different covers, labels, controls, filters, electrical connectors, or other production details. Some original Walker-specific components may need to be reused.

Does the engine include a muffler?

No muffler should be assumed to be included unless the quotation or product options specifically state that one is included.

Is the fuel tank included?

No. The mower normally supplies the fuel tank and related equipment-specific fuel system.

Is this a universal 22.5HP replacement engine?

No. PA-CH680-3171 is a Walker-specific engine configuration. Other CH680 engines can have different crankshafts, controls, wiring, charging systems, mounting arrangements, and equipment applications.

Is professional installation recommended?

Yes. Engine replacement should be performed by a qualified small-engine or Walker mower technician familiar with engine alignment, wiring, fuel systems, exhaust installation, controls, and rotating equipment.

Special-Order Engine Policy

Engines are application-specific products. Please verify the complete manufacturer model and specification number before ordering. Installed, fueled, oiled, wired, modified, damaged, or otherwise used engines are not returnable. Factory-ordered engines may be noncancelable and nonreturnable. Cancellation fees, freight charges, and restocking restrictions may apply.

The customer and installer are responsible for confirming engine compatibility before installation. Do not add fuel or oil, modify the engine, install a clutch or pulley, alter the wiring, or begin installation until the model, specification, shaft configuration, mounting arrangement, and supplied components have been inspected and confirmed.

Warranty Information

Warranty coverage is provided by Kohler under the applicable Kohler engine warranty. Warranty terms, coverage periods, exclusions, and procedures are controlled by Kohler and may vary by engine application and end use.

Factory engine warranties generally cover qualifying defective engine parts. They do not automatically cover removal, installation, diagnosis, travel, downtime, loss of use, equipment modifications, freight, or unrelated mower components. Contact an authorized Kohler service center for warranty diagnosis and authorization before performing warranty repairs.

Product and Image Disclaimer

Product photographs are for general reference only. Kohler may change engine colors, labels, covers, controls, wiring, filters, brackets, hardware, and other production details without notice. Always order by the current Kohler part number and verified replacement information, not by product appearance alone.

Specifications, dimensions, horsepower descriptions, replacement relationships, included components, availability, warranty terms, emissions compliance, and pricing

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are subject to manufacturer revision without notice. When a particular feature or dimension is critical, request written verification before ordering.
Kohler, Command PRO, Walker, and related model names are trademarks of their respective owners. Steam-Brite is an independent equipment dealer and uses manufacturer names and part numbers solely for product identification and replacement reference.

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"

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(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)

Stroke in (mm)
2.6 (67)

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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

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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

Kohler 20Hp Command V-Twin Engine Electric Start CH20S CH640-3013 Walker Mfg

$2549.99
https://www.smallenginesuppliers.com/shop/html/pages/products/kohler_horizontal_engines1149.html
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Options available for Kohler PA-CH680-3171 22.5-23HP Command PRO Horizontal Engine Walker ZTR Replaces PA-CH680-3057 CH680-3024 CH640-3109 CH640-3013 CH20S-64757 :

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].

Parts & Accessories > Engines > Kohler Command Pro 20.5hp PA-CH640 > Kohler PA-CH680-3171 22.5-23HP Command PRO Horizontal Engine Walker ZTR Replaces PA-CH680-3057 CH680-3024 CH640-3109 CH640-3013 CH20S-64757

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Shipping Surcharges

Commercial Address But Needs Liftgate Service Because No Forklift or Dock on Site No Appointment Provided, Residential Forklift Onsite Limited Access + Needs Appointment, 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, Commercial Address But Need Liftgate and Appointment Service / Limited Access Fee Not Included, +Home Delivery Needs Liftgate Curb Service Because No Forklift On Site With Appointment Delivery Time.

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

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