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Model Number: PA-CH680-3045

Kohler PA-CH680-3045 Command Pro Horizontal 22.5 HP Engine CH23S Lincoln Ranger Electric Welder GTIN NA

Manufacturer: Kohler

Kohler 23Hp Command V-Twin Engine Electric Start CH22.5S CH680-3045 Lincoln Ranger Electric Welder

Also marketed as a 22.5 hp engine.

PA-CH680-3045 Replaces: PA-76635  
CH680 LINCOLN RANGER - 305 WELDER  
Kohler Command 23 HP Twin OHV Horizontal  
Crankshaft: (24014359-S) Tapered  
12 Volt Electric Start: (2509811-S) Solenoid Shift Style  
Alternator: (237878-S) 15/20 Amp  
Regulator: (4140310-S) 15 Amp  
Key Switch: (2509930-S) Snap In  
Oil Filter: (1205001-S)  
Fuel Pump: (2455912-S) Valve Cover Style  
Air Cleaner: (4708303-S) Standard

Key switch and engine controls not installed or included.

**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.**

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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
- &bull; Hydraulic Valve Lifters
- &bull; Cast-Iron Cylinder Liners
- &bull; Electronic Ignition
- &bull; Large Capacity Dual Element Air Cleaner
- &bull; High Efficiency Grass Screen and Fan
- &bull; Closed Breather System
- &bull; Stellite&reg; Exhaust Valves
- &bull; Full Pressure Lubrication
- &bull; Large Capacity In-Line Fuel Filter
- &bull; Easy Access Valve Cover Oil Fill-Yellow
- &bull; Oil Level Dipstick-Yellow
- &bull; Large Capacity Oil Filter, Dual Oil Drain
- &bull; Oil Sentry&trade; (Switch Installed and Wired but Unconnected)
- &bull; Variable Speed Governor
- &bull; Fuel Shutdown Solenoid, Smart-Choke&trade; Carburetor
- &bull; Mechanical Fuel Pump
- &bull; High Performance Spark Plugs
- &bull; 12 Volt Solenoid Shift Starter
- &bull; 20 Amp Alternator, Regulated

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&bull; 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  
&bull; 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:

&bull; 3/16" Evaporative Emissions Connection

Engine Type:

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

Model

Command PRO CH680

Max Power @3600 RPM hp (kW) 1  
22.5 (16.8)

Displacement cu in (cc)  
41.1 (674)

Bore in (mm)

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3.2 (80)

Stroke in (mm)  
2.6 (67)

Max Torque lbs. ft (Nm)<sup>1</sup>  
36.8 (49.9)

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  
21.5 (16)

[Service Manual](#)

[Sales Brochure](#)

[Quick Reference Parts Guide](#)

[Kohler Warranty](#)

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Owners Manual

106 lbs

Kohler 22.5-23Hp Command V-Twin Engine Electric Start CH22.5S CH680-3045  
Lincoln Ranger

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*Availability: This product was added to our catalog on Wednesday 12 February, 2014*