Kohler PA-CH680-3088 23Hp Command Pro Horizontal Engine CH23S Exmark



Model Number: PA-CH680-3088

Kohler PA-CH680-3088 23Hp Command Pro Horizontal Engine CH23S Exmark

Manufacturer: Kohler

Kohler 23Hp Command V-Twin Engine Electric Start CH22.5S CH680-3088 Exmark

Air Intake Group 10-24-294 CH18-750
Blower Housing Group 6-24-296 CH18-750
Crankcase Group 2-24-278 CH18-750
Crankshaft Group 1-24-28 CH18-750
1 inch x 2-3/4 inch Crankshaft
Engine Controls Group 9-24-142 CH18-750
Exhaust Group 11-24-6 CH18-750
Fuel System 8-24-591
Head/Valve/Breather 4-24-303
Identification Group 12-24-707
Ignition/Electrical 5-24-722
Oil Pan/Lubrication 3-24-188
Starting Group 7-24-5 CH18-750
CH680 E3 EXMARK - LAZER Z - COMM. RIDER
Crankshaft: (24014383-S)
(L) 2.781” (D) 1” (T) 7/16”-20 (K) .25”
Air Filter: (2508301-S) Heavy Duty
Muffler: (2406818-S)
Replaces PA-76569, D1766L86R
12 Volt Electric Starter
15 Amp Alternator
Application: Exmark Lazer Z
1" x 2-25/32, Tapped 7/16-20, With full 1/4" keyway Crankshaft
Air Cleaner: Remote HD A/C
Muffler: Muffler: 2406818S Filter Side Straight
Uses front stub shaft 24 755 08-S aka 2475508S

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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.

Steambrite Supply

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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
7" (178mm) Diameter Pilot
Exact Specifications Subject To Change Without Notice
HP rating on sticker also marketed as 22.5 Hp.

Standard Features Plus:

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• 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)
3.2 (80)

Stroke in (mm)
2.6 (67)

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Max Torque lbs. ft (Nm)1
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)

* 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.

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Parts & Accessories > Engines > Kohler Command Pro 22.5hp PA-CH680 > Kohler PA-CH680-3088 23Hp Command Pro Horizontal Engine CH23S Exmark

Kohler PA-CH680-3088 23Hp Command Pro Horizontal Engine CH23S Exmark

2 Inches of H20 @ 3600 RPM WOT

Service Manual

Sales Brochure

Quick Reference Parts Guide

Kohler Warranty

Owners Manual

106 lbs

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Options available for Kohler PA-CH680-3088 23Hp Command Pro Horizontal Engine CH23S Exmark :

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.

Availability: This product was added to our catalog on Wednesday 04 June, 2014

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