Kohler PA-CH620-3100 19hp Command Pro Horizontal Engine 1-1/8in x 4in Shaft W/Controls Basic PA-CH620-3154 GTIN N/A



Model Number: PA-CH620-3100

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Manufacturer: Kohler

Print Owners Manual:
Service Manual

Warranty Information

Overview
Kohler 18 HP Command V-Twin Horizontal Engine. This gasoline-driven, 4-cycle, 18 HP engine has reliable features including: OHV, cast iron V-Twin cylinder liners, and aluminum block construction.
Kohler Command V-Twin OHV Horizontal Engine with Electric Start — 19 HP, 1 1/8in. Dia. x 4in.L Shaft, Model# PA-CH620-3003 Now PA-CH620-3154 / PA-CH620-3100
PA-CH620-3003, supersedes CH18S-62501 18 HP
CH620 BASIC
Kohler Command 18 HP OHV Twin
Crankshaft: (24014345-S) 1.125"(28.5) x 4"(100)
Drilled & Tapped 7/16-20 UNF
.25"(6.36 mm) key way
12 Volt Electric Start: (2509811-S) Solenoid Shift Style
Alternator: (5475509) 15 Amp
Regulator: (4140309-S) 20/25 Amp
Key switch-Engine Mounted Controls (2509904-S)
Oil Sentry (no connected): (2509927-S)
Fuel Pump: (2455910-S) Valve Cover Style
Oil Filter: (1205001-S)
Oil Cooler: (5475521-S) Kit
Air Filter: (4708303-S) Flat Standard
Throttle Controls: (2422502-S) Manual
Muffler: No
Two-year limited warranty
Engine Features:
Standard Features: SMART-CHOKE
carburetor * Electronic ignition system
liners * Hydraulic valve lifters * Dual-element air filter with foam pre-cleaner
Full-pressure lubrication * Spin-on. full-flow oil filter * Overhead valve (OHV) design
In-line fuel filter * Engineered material blower housing * Mechanical fuel pump

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CARB & EPA emission-certified * Dual oil drains * Easy-access oil fill/dipstick
Two-year limited warranty
Engine Applications: Also Use: PA-62501, PA-CH620-3003, CH620-3003, CH6203003
Kohler replacement for PA-62501
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.

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Easy Dependable Starts.

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

Model

Command PRO CH620

Max Power @3600 RPM hp (kW) 1
19 (14.2)

Displacement cu in (cc)
41.1 (674)

Bore in (mm)
3.1 (80)

Stroke in (mm)
2.6 (67)

Max Torque lbs. ft (Nm)1
35 (47.5)

Compression Ratio
8.5:1

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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

* 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 H20 @ 3600 RPM WOT
Features + Benefits

• Oil Sentry®
Includes muffler and manifold
• Engine controls
Key switch

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• Throttle
Choke Controls

What's Included

• (1) Engine
•

Key Specs

Engine Displacement (cc)

624

Start Type

Electric

Engine Type

Command Pro V-Twin - CH18 - OHV

Rated Power (HP)

18

Torque (ft./lbs.)

32.8

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Displacement (cu. in.)

38.1

Shaft Output

Horizontal

Shaft Diameter (in.)

1 1/8

Shaft Length (in.)

4

Shaft End Tapped (Diameter (in.)/Threads per inch)

7/16 - 20

Shaft Rotation (From PTO Shaft Side)

Counterclockwise

Cylinders (qty.)

2

Cylinder Bore

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Cast iron

Bore x Stroke (in.)

3.03 x 2.64

Compression Ratio

8.5:1

Cooling System

Air cooled

Air Cleaner Type

Dual element air filter with foam pre-cleaner

Fuel Type

Gasoline

Fuel Pump

Mechanical

Fuel Filter

In line

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Oil Capacity (qt.)

2

Lubrication System

Full pressure

Ignition System

Electronic

Governor System

Manual

Carburetor

Smart Choke

Max. RPM

3,600

Muffler Included

Yes

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Bolt Circle (in.)

5 5/8, 7 3/4

Mounting Base L x W (in.)

7 1/4 x 3 1/2

Dimensions L x W x H (in.)

14 x 17 11/16 x 19

EPA/CARB Approval (California Air Resource Board)

Yes

Manufacturer Warranty

24 months parts / 24 months labor

Ship Weight

125.0 lbs

Item#

PA-CH620-3154 /PA-CH620-3100

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Parts & Accessories > Engines > Kohler Command Pro 19hp PA-CH620 > Kohler PA-CH620-3100 19hp Command Pro Horizontal Engine 1-1/8in x 4in Shaft W/Controls Basic PA-CH620-3154 GTIN N/A

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Manufacturer Warranty: 24 months parts / 24 months labor
Note exact specifications and prices subject to change without notice.

Kohler CH620-3003 / PA-CH620-3154 PA-CH620-3100

Options available for Kohler PA-CH620-3100 19hp Command Pro Horizontal Engine 1-1/8in x 4in Shaft W/Controls Basic PA-CH620-3154 GTIN N/A :

Extended Warranty

+ No Extended Warranty, 2 Additional Years Parts and On Site Labor (Items under $1500.00) [SBMW2-1500], 4 Additional Years Parts and On Site Labor (Items under $1500.00) [SBMW4-1500].

Shipping Surcharges

Commercial Address But Needs Liftgate Service Because No Forklift or Dock on Site No Appointment Provided, 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.

Availability: This product was added to our catalog on Tuesday 18 January, 2011

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