

Another industry first.

KOHLER® Closed-Loop EFI

Twin-Cylinder Engines



KOHLER®

KOHLER® Closed-Loop EFI

The new standard in twin-cylinder engine performance.

Available on our Command PRO® engines, KOHLER Closed-Loop EFI includes an oxygen sensor that analyzes the exhaust gas air/fuel mixture in the muffler. If the oxygen level strays from the ideal air/fuel mixture, the sensor triggers adjustments in the Electronic Control Unit (ECU). KOHLER Closed-Loop EFI engines “close the loop” between the air/fuel intake and the exhaust output to provide a constant stream of critical feedback – and optimal power and fuel economy. The closed-loop advantage also means that KOHLER Closed-Loop EFI engines automatically adapt to load, weather, fuel and altitude changes, resulting in improved power, performance, reliability and increased life span.

Save Money. Every Hour, Every Year.

Take a look to see how much you’ll save.

| Price of gasoline per gallon | \$3.00 | \$3.25 | \$3.50 | \$3.75 | \$4.00 | \$4.25 | \$4.50 | \$4.75 | \$5.00 | \$5.25 | \$5.50 | \$5.75 |
|-------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|
| KOHLER Closed-Loop EFI | | | | | | | | | | | | |
| Dollars saved per hour | \$0.90 | \$0.98 | \$1.05 | \$1.13 | \$1.20 | \$1.28 | \$1.35 | \$1.43 | \$1.50 | \$1.58 | \$1.65 | \$1.73 |
| Dollars saved in first year | \$540 | \$585 | \$630 | \$675 | \$720 | \$765 | \$810 | \$855 | \$900 | \$945 | \$990 | \$1,035 |

Data based on 25% fuel savings and 600 hours of annual operation per mower

LOWEST OPERATING COST

Optimized Fuel Economy

- Capable of saving up to 25% in fuel over similar- sized carbureted engines
- Advanced oxygen sensor analyzes the exhaust’s air/fuel mixture
- Upon analysis, the oxygen sensor adjusts the air/fuel mixture for optimum fuel efficiency
- On top of the savings, you’ll also refuel less, increasing your overall efficiency

Faster Payback

- Fast payback for your investment. Pays for itself in a year or less*
- Every hour of use is more money in your pocket in savings
- With continued use, you can pay back the cost of the EFI system in one year or less*

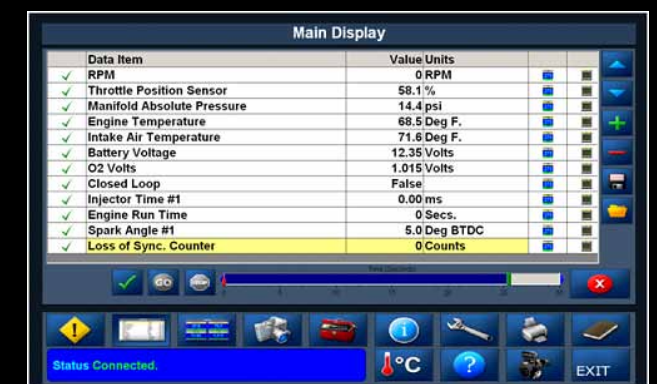
*Based on 600 hours of operation

Easier, Reliable Starts

- Optimized fuel injector placement and intelligent sensor pack deliver fuel wherever and whenever there is a demand for power
- No-choke starting even in cold weather, when engine is hot or after long periods of storage
- Less downtime and less maintenance for the life of the engine
- No messy, gummed-up carburetor to clean or adjust

INCREASED RELIABILITY AND EFFICIENCY

KOHLER EFI diagnostic software was developed specifically for KOHLER® engines equipped with electronic fuel injection (EFI). This proprietary software assists in troubleshooting and provides data on engine-operating parameters for the life of the engine. The EFI ECU maintains an internal log of the operating conditions, total hours, oil temperatures and detailed load diagnostics providing dealers with critical performance information.



KOHLER® Closed-Loop Electronic Fuel Injection

| Model | ECH/ECV630 | ECH/ECV650 | ECH/ECV680 | ECH/ECV730 | ECH/ECV740 | ECH/ECV749 |
|---|-------------------------------------|--------------------------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| *Power @ 3600 rpm Max. hp (kW) | 19 (14.2) | 21 (15.7) | 23 (17.2) | 25 (18.6) | 27 (20.1) | 29 (21.6) |
| Displacement cu in (cc) | 42 (694) | | | 45 (747) | | |
| Bore in (mm) | 3.1 (80) | | | 3.3 (83) | | |
| Stroke in (mm) | 2.6 (69) | | | | | |
| Peak Torque @ Maximum rpm CH ft lb (Nm) | 31.4 (42.6) @ 2800 | 33.1 (44.9) @ 2600 | 36.1 (48.9) @ 2800 | 40.4 (54.8) @ 2800 | 42.0 (56.9) @ 2400 | 44.3 (60.1) @ 2400 |
| Peak Torque @ Maximum rpm CV ft lb (Nm) | 32.6 (44) @ 2400 | 34.9 (47.3) @ 2200 | 36.3 (49.2) @ 2600 | 39.3 (53.3) @ 2800 | 41.7 (56.5) @ 2600 | 44.2 (59.9) @ 2600 |
| Compression Ratio | 8.7:1 | | | 9.1:1 | | |
| Dry Weight lb (kg) | 108 (49) | | | | | |
| Oil Capacity U.S. qt (L) | 2 (1.9) | | | | | |
| Lubrication | Full-pressure with full-flow filter | | | | | |
| Dimensions L x W x H in (mm) | a/b | | | | | |
| **a = CH | flat air cleaner | 14.6(371) x 18.2 (462) x 18.7 (475) | | | | |
| | heavy-duty air cleaner | 14.8 (376) x 18.9 (480) x 24.5 (622) | | | | |
| ***b = CV | flat air cleaner | 17.9 (455) x 18.3 (465) x 14.5 (368) | | | | |
| | heavy-duty air cleaner | 21.3 (541) x 18.5 (470) x 17.6 (447) | | | | |

* Tested per SAE J1995. Meets SAE J1940 Rating Standard.

** L = grass screen to PTO mounting face W = spark plug to spark plug H = top of air cleaner cover to mounting feet

*** L = blower housing to air cleaner cover W = spark plug to spark plug H = top of air cleaner cover to mounting surface

Standard Features

- Closed-loop electronic fuel injection
- 20-amp charging, regulated
- Yellow oil cap and dipstick
- Large filters (air, oil, fuel)
- Hardened crank journals
- PTO side-load sleeve bearing
- Hydraulic valve lifters
- 12-volt solenoid shift electric start
- Dual-element air cleaner
- Dual oil drains
- Electronic ignition
- Solenoid fuel shutdown
- Oil Sentry™ automatic warning/shutdown system (installed, not wired)
- Full-pressure lubrication/full-flow filter

3-Year Limited Warranty

Popular Factory Options

- Remote oil filter
- Variety of mufflers
- Exhaust deflector/spark arrestor
- Engine-mounted controls (CH)
- 5 percent governor
- SAE A/B pump mounts
- Choice of air cleaners (flat, HD, WAWB)
- Guard for rotating grass screen
- Chopper-type grass screen
- Additional crank sizes
- Flywheel PTOs
- Oil Cooler

For more information, contact your KOHLER source of supply
Or call toll-free in the U.S. and Canada 1-800-544-2444.

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KOHLER®

Relentless Power.
Legendary Performance.

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