KOHLER® Courage®
15-27 hp Engines
Every part, every component, every system on a KOHLER® engine is guided by our exclusive Performance Engineering standards — standards that drive us to operate on the leading edge of innovation, to push the boundaries of cleaner, more efficient engines, and to manufacture the highest performing, most reliable engines on the market. That’s Performance Engineering.
KOHLER® Courage – Professional-grade engineering for the consumer.
Today, more and more consumers are demanding professional-grade products. Products that deliver power, performance and convenience. And KOHLER Courage, gives it to them.

Introducing the first Kohler engine designed specifically for consumer applications, Courage delivers more displacement, across the board, for more power. Easier starts, reduced noise, vibration, emissions and fuel consumption – it’s what professionals have come to expect from KOHLER and what today’s informed consumer market demands.

Overhead Valve.

Engines featuring an overhead valve (OHV) design deliver smoother running, more fuel efficient performance. Because of the increased volumetric efficiency, an OHV engine will produce more torque per unit of displacement than a side valve engine. The life of an OHV engine is also longer because the design allows greater airflow around the cylinder head keeping the engine cooler and reducing oil consumption.

Cast Iron Cylinder Bore.

Further extending engine life, cast iron liners provide added protection under extreme load and dirty operating conditions.

Full-Pressure Lubrication with Oil Filter and Bi-Pass Valve.

Full pressure lubrication is standard on all KOHLER Courage engines. Oil is distributed continuously, and a full-flow oil filter protects critical rotating parts for longer engine life. The high-efficiency Gerotor™ oil pump ensures lubrication to critical components.

Oversized and Micro-Polished Crankshaft Bearings.

Extra protection in high load conditions to ensure uniform distribution of oil in critical bearings and prevent wear, resulting in longer engine life.
KOHLER® Courage Singles

The engine that’s taking the consumer lawn and garden market by storm. The KOHLER Courage® single-cylinder engine delivers more horsepower and greater displacement than any engine in its class. With patented features like a crossflow cylinder head, a dual-reciprocating balance valve, an inverted crankcase and a twin-cam design, Courage gives consumers the power and response that makes KOHLER the brand of choice for professionals.

**Twin-Cam Design***

Delivers responsive power and opens the cylinder head for superior cooling, resulting in longer life and reliability.

**Crossflow Cylinder Head***

The twin cam separates the valve assembly, opening up the head for greater airflow and a cooler running engine. A cooler engine – with less bore distortion – offers lower oil consumption, longer life and more useable power.

**Dual-Reciprocating Balance System***

An advanced KOHLER balance system provides smooth, comfortable operation.

**Inverted Crankcase***

This unique configuration ensures leak-proof operation and no-mess oil filter removal.

**Tri-phase acoustically dampened air induction**

System to dampen intake noise which results in quieter operation.

*Kohler Patents*
15-22 hp vertical-shaft engines

Maximum Power

- SV620
- SV610
- SV600
- SV590
- SV540
- SV530
- SV490
- SV470

Maximum Torque
Engines that set the standard.

Emissions:
Certified for both EPA and California emissions standards. Precise air-to-fuel ratio for cleaner combustion with optimum horsepower and torque.

Service:
Backed by more than 13,000 dealers and distributors worldwide.

Warranty:
Two-year limited warranty covering all consumer applications.
KOHLER® Courage Twins

KOHLER – the power more professionals demand – delivers even more power for the consumer lawn and garden market. The KOHLER Courage®, twin-cylinder, vertical-shaft, OHV engines from 20 to 27 hp. Power. Performance. Convenience. Just what you expect from KOHLER.

**Modulated Cooling Fan.**
Variable fin spacing reduces noise and optimizes air flow resulting in longer engine life.

**Acoustically Dampened Air Induction.**
System dampens intake noise which results in quieter operation.

**Dual-Seal, Top-Mount Air Filter.**
Easy-access air filter allows for quick inspection and changes. Dual seal ensures no debris gets into the engine.

**High-Torque Inertia Drive Starter.**
Extra-large output starter ensures quick, reliable starting in all conditions.

**Precision Governor Control.**
Provides quick response in high-load conditions for dependable, efficient operation.
20-27 hp vertical-shaft engines
20-27 hp vertical-shaft engines

Maximum Power

- SV740
- SV735
- SV730
- SV725
- SV720
- SV715
- SV710

Maximum Torque
The performance advantage gets bigger.

Emissions:
Certified for both EPA and California emissions standards. Precise air-to-fuel ratio for cleaner combustion with optimum horsepower and torque.

Service:
Backed by more than 13,000 dealers and distributors worldwide.

Warranty:
Two-year limited warranty covering all consumer applications.
KOHLER® Courage PRO™ V-Twins

With their tough, commercial-duty, high-performance features, they’re the Courage engines gone PRO. And what a perfect time as consumers are demanding more from their equipment and seeking professional-grade performance on their full-featured high-end riders and ZTRs.

Large-Capacity Professional Filters.
For longer life and better performance under tougher conditions. Serious, professional duty – 60 percent larger air and oil filters, 70 percent larger fuel filter.

Hardened Crankshaft Bearings.
Built extra-tough for extra protection under high-load, heavy-debris mowing conditions.

Platinum Spark Plugs.
For hotter, more reliable sparks; quicker starts; and less plug fouling.
20, 23, 25 and 27 hp vertical-shaft engines

All engine views shown with optional stationary guard.
20, 23, 25 and 27 hp vertical-shaft engines

Maximum Power *

- SV840
- SV830
- SV820
- SV810

Maximum Torque *

*Preliminary

Emissions: Certified for both EPA and California emissions standards. Precise air-to-fuel ratio for cleaner combustion with optimum horsepower and torque.

Service: Backed by more than 13,000 dealers and distributors worldwide.

Warranty: One-year limited warranty covering all commercial applications.
### KOHLER® Courage Single-Cylinder Model Specifications

<table>
<thead>
<tr>
<th>Engine Type</th>
<th>Four-cycle, single-cylinder, air-cooled, vertical-shaft, gasoline, full-pressure lubrication with full-flow filter, aluminum head and crankcase with cast iron cylinder liner.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Model</td>
<td>Model SV710/ SV715</td>
</tr>
<tr>
<td>*Power @ 3600 RPM</td>
<td>Maximum hp (kW)</td>
</tr>
<tr>
<td>Displacement</td>
<td>cu in (cc)</td>
</tr>
<tr>
<td>Bore</td>
<td>in (mm)</td>
</tr>
<tr>
<td>Stroke</td>
<td>in (mm)</td>
</tr>
<tr>
<td>Peak Torque @ Maximum</td>
<td>ft lb (Nm)</td>
</tr>
<tr>
<td>@ 2200 rpm</td>
<td>43.9 (58.6)</td>
</tr>
<tr>
<td>Dry Weight</td>
<td>lb (kg)</td>
</tr>
<tr>
<td>Oil Capacity w/Filters</td>
<td>U.S. qt (L)</td>
</tr>
<tr>
<td>Lubrication</td>
<td>Full-pressure lubrication with full-flow filter</td>
</tr>
<tr>
<td>**Dimensions L x W x H</td>
<td>in (mm)</td>
</tr>
</tbody>
</table>

### KOHLER® Courage Twin-Cylinder/V-Twin PRO Model Specifications

<table>
<thead>
<tr>
<th>Engine Type</th>
<th>Four-cycle, twin-cylinder, air-cooled, vertical-shaft, gasoline, pressure lubrication with full-flow filter, aluminum head and crankcase with cast iron cylinder liner.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Model</td>
<td>Model SV710/ SV715</td>
</tr>
<tr>
<td>*Power @ 3600 RPM</td>
<td>Maximum hp (kW)</td>
</tr>
<tr>
<td>Displacement</td>
<td>cu in (cc)</td>
</tr>
<tr>
<td>Bore</td>
<td>in (mm)</td>
</tr>
<tr>
<td>Stroke</td>
<td>in (mm)</td>
</tr>
<tr>
<td>Peak Torque @ Maximum</td>
<td>ft lb (Nm)</td>
</tr>
<tr>
<td>@ 2200 rpm</td>
<td>31.5 (42.7)</td>
</tr>
<tr>
<td>Compression Ratio</td>
<td>8:5:1</td>
</tr>
<tr>
<td>Dry Weight</td>
<td>lb (kg)</td>
</tr>
<tr>
<td>Oil Capacity w/Filters</td>
<td>U.S. qt (L)</td>
</tr>
<tr>
<td>Lubrication</td>
<td>Full-pressure lubrication with full-flow filter</td>
</tr>
<tr>
<td>**Dimensions L x W x H</td>
<td>in (mm)</td>
</tr>
</tbody>
</table>

Preliminary info, subject to change.

*Horsepower ratings exceed Society of Automotive Engineers Small Engine Test Code J1940. Actual engine horsepower is lower and affected by, but not limited to, accessories (air cleaner, exhaust, charging, cooling, fuel pump, etc.), application, engine speed and ambient operating conditions (temperature, humidity and altitude). For more information, contact Kohler Co. Engine Engineering. Kohler reserves the right to change product specifications, designs and equipment without notice and without incurring obligation.

**Length is valve cover to end of blower housing. Width is air cleaner to opposite side. Height is mounting surface to grass screen.

***Length is front of air cleaner cover to end of blower housing. Width is side to side. Height is mounting surface to grass screen.

© 2008 by Kohler Co. All rights reserved.