GROUNDBREAKING PERFORMANCE FROM THE GROUND UP.

New 27 hp 2 Cylinder Liquid-Cooled Engine

VANGUARD™

BRIGGS & STRATTON®

Premium Commercial Engines
Introducing the **NEW** 27 hp Liquid-Cooled *Vanguard™* 2/LC Engine
Built from the ground up, this new, innovative design from Briggs & Stratton includes advanced liquid-cooled engineering to give you the best 27 horsepower engine offering on the planet. The Vanguard™ 2/LC. The newest member of the renowned Vanguard™ commercial engine family represents a total rethinking of what it takes to get the job done. The Vanguard™ 2/LC runs cooler than air-cooled engines. It delivers smoother, quieter performance over the long haul and is CARB/ EPA certified. Designed with you in mind, the core engine will easily accommodate higher horsepower ratings. So you won’t be locked into one design size. Upgrade equipment performance and reliability with the Briggs & Stratton Vanguard™ 2/LC. The engine built for the needs of the workplace.

**Innovative design delivers superior performance.**

By using OHV technology and a compact design that holds 27hp, this innovative 2-cylinder engine produces a whole new level of industrial grade performance.

- Compact 752 cc (46 cubic inch) displacement.
- Increased horsepower-to-weight ratio for more efficient operation.
- V-Twin technology offers superior balance and low vibration, which saves wear and tear on components and equipment.
- Innovative intake and exhaust system results in a quieter running engine.

**Durability you expect.**

The innovative design of the Vanguard™ 2/LC delivers over 40% more hours than air-cooled engines. We’ve specifically engineered key engine components for long life and rugged durability.

- A full 360-degree cooling water jacket reduces engine and oil temperatures to extend engine life.
- Briggs & Stratton full pressure oil lubrication system with spin-on filter keeps the oil cleaner for a longer engine life.
- Compatibility with lifetime coolants makes the 2/LC more reliable with less maintenance.
- 4-inch centrifugal industrial grade air cleaner ensures maximum engine protection, even in dusty conditions.
**Improved RELIABILITY equals more time on the job.**

The Vanguard™ 2/LC is designed for easy, dependable starting and convenient maintenance.

- Commercial grade solenoid shift starter means quick, reliable starts.
- Longer service intervals due to liquid-cooled technology.
- Easy access to service points.
- Backed by a two-year commercial warranty.

**A PREMIUM ENGINE for PREMIUM EQUIPMENT.**

The Vanguard™ 2/LC is a premium engine that will deliver the performance and durability you expect. Its innovative design and liquid-cooled technology make it run smoother, cleaner and longer. All in a compact, lightweight 27 hp package. It’s the engine built to give you groundbreaking performance from the ground up.

To learn more about the Vanguard™ 2/LC and the rest of the Vanguard™ line of commercial engines, connect with our world-class parts and service network, or get assistance from our experts on engine applications, please visit us at www.vanguardengines.com.
Lightweight aluminum block reduces compaction and eases handling.

Centrifugal two-stage Industrial air cleaner for maximum engine protection.

Full 360-degree cooling jacket reduces engine and oil temperatures, extending engine life.

High inertia flywheel.

Overheat sensor in intake manifold is standard.

Industrial grade solenoid shift starter motor.

Pulse type fuel pump

Automotive fan belt tensioning design.

Full pressure oil lubrication system with spin-on filter keeps oil cleaner to extend engine life.

Eight pin wire harness customer connection.

500 lb. thrust load capacity.

Automotive fan belt tensioning design.
### Vanguard™ 2/LC

27 hp Gas Engine

**Model**

<table>
<thead>
<tr>
<th>Model</th>
<th>27HP 752cc 473147-O112-E1</th>
</tr>
</thead>
</table>

**Cylinder**

- Twin w/C.I. sleeve

**Flywheel**

- Heavy

**Starter**

- 12V solenoid shift
- 20 amp alternator
- 8 pin connecting harness

**PTO mounting**

- Flange mount

**Special features**

- Liquid-cooled w/ fan
- Coolant temp switch
- Inst. coolant pump install

**Radiator**

- Radiator installed

**Bore x stroke [mm (in)]**

- 81 (3.19) x 73 (2.87)

**Crankshaft**

- 808942-1-1/8" Straight 4, 1/4" .7/16-20 UNF

**Bearings**

- Steel backed alum mag
- Steel backed alum PTO

**Engine oil capacity**

- 2.6 qt.

**Oil fill**

- In valve cover #1

**Dipstick**

- Extended, in crankcase

**Oil drain**

- Dual
- Funnel oil filter side

**Lubricating system**

- Oil press switch install
- Oil filter install
- Full press lube

**Fuel system**

- Without fuel tank
- Integral fuel pump
- 60 micr flt 6.0 inch line

**Governor**

- Mechanical

**Controls**

- Equip for remote

**Choke**

- Remote choke

**No-load test speed**

- 3600 ± 100 rpm

**Casing clamp and screw**

- Loose

**Stops**

- Ground wire terminal lead

**Air cleaner**

- Two-stage centrifugal

**Muffler**

- High mount installed

**Deflector**

- Without

**Dry weight w/ muffler, radiator**

- 144.6 lb.

**Minimum order qty.**

- 8

**Packaging**

- 1

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**Horsepower/Torque**

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<th>Horsepower (HP)</th>
<th>Kilowatt (kW)</th>
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**Torque (Lb-ft)**

<table>
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