

# VANGUARD®

## Propane Conversion Kits. Differentiate From Competitors.

### A Greener and Efficient Alternative Energy Source.

We've made it simple to convert gasoline-powered commercial equipment to propane fuel by developing EPA- and CARB-certified conversion kits for select Vanguard® engines. With propane, you can expect lower fuel costs and less engine maintenance. The higher octane level in propane improves performance and fuel economy over non-optimized engines, and tanks are easy to switch, minimizing equipment downtime associated with refueling. Propane is less carbon-dense, significantly reducing harmful emissions. Stand out from the competition by offering your customers a greener alternative fuel option.

#### Low-Risk

- > Low pressure (~200 psi)
- > Narrow flammability range
- > Fuel tanks are 20 times more puncture resistant than gasoline tanks

#### OEM Benefits

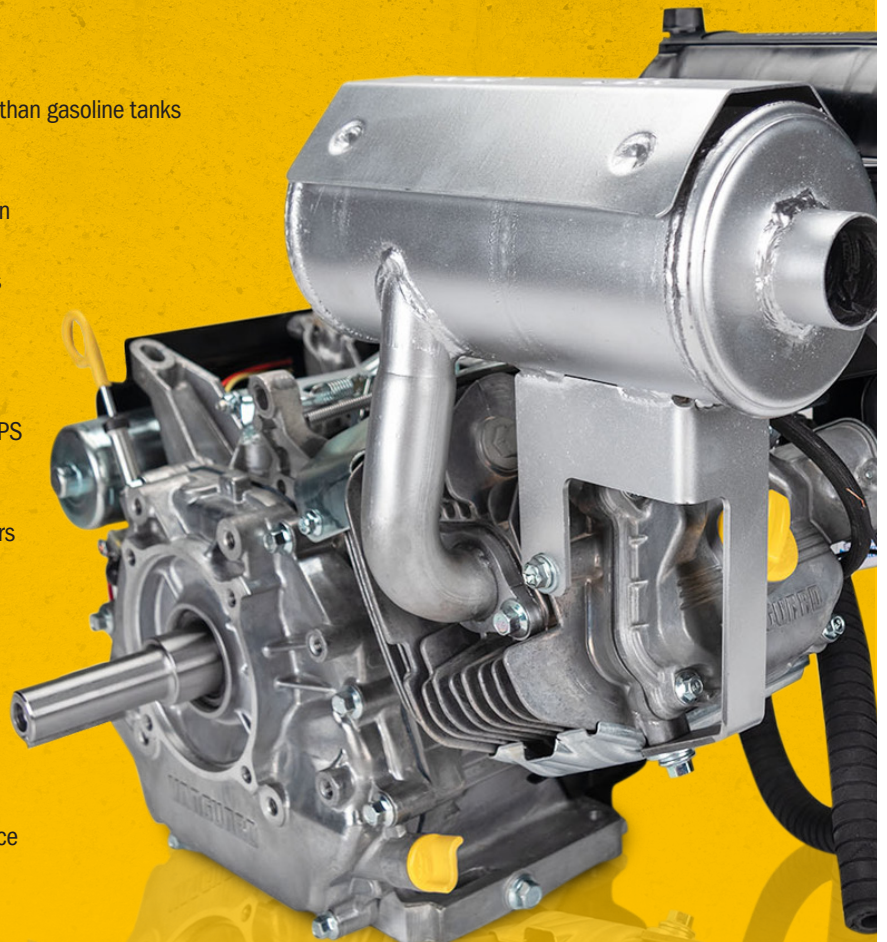
- > Expand product offerings to provide customers an alternative to gasoline
- > Provide equipment solutions that help customers meet emissions requirements
- > EPA and/or CARB certified engines
- > Create a competitive edge
- > 3-year limited commercial warranty\* Vanguard/PPS

#### Dealer Benefits

- > Be a complete resource for commercial customers
- > Stand apart from the crowd
- > Sales and service training

#### End-User Benefits

- > No fuel issues from storage
- > No fuel spillage or "shrinkage" from employees
- > Market business as "green"
- > Vapor delivery with 108 octane, great performance
- > 70 - 80% less carbon in the fuel resulting in cleaner oil & spark plugs



\* See [vanguardpower.com](http://vanguardpower.com) for warranty details.

# VANGUARD CERTIFIED CONVERSION KITS

**New in 2022, the Vanguard 400 Single-Cylinder engine is the first in its size class to be EPA certified.**

ENGINE	CC	CONFIGURATION	EXHAUST	CERTIFICATION†
Vanguard 200	203cc	Horizontal	Catalyst	EPA
Vanguard 200	203cc	Horizontal	Catalyst	CARB
Vanguard 305cc	305cc	Horizontal	Catalyst	EPA
Vanguard 400	408cc	Horizontal	Catalyst	EPA
Vanguard Small Block	479cc	Horizontal	Catalyst	EPA
Vanguard Small Block	479cc	Horizontal	Catalyst	CARB
Vanguard Small Block	479cc	Horizontal	Standard	EPA
Vanguard Small Block	479cc	Horizontal	Standard	CARB
Vanguard Small Block	479cc	Vertical	Catalyst	EPA
Vanguard Small Block	479cc	Vertical	Catalyst	CARB
Vanguard Small Block	479cc	Vertical	Standard	EPA
Vanguard Small Block	479cc	Vertical	Standard	CARB
Vanguard Small Block	570cc	Vertical	Standard	EPA
Vanguard Small Block	570cc	Vertical	Catalyst	EPA
Vanguard Small Block	570cc	Vertical	Standard	CARB
Vanguard Small Block	570cc	Vertical	Catalyst	CARB
Vanguard Small Block	570cc	Horizontal	Standard	EPA
Vanguard Small Block	570cc	Horizontal	Catalyst	EPA
Vanguard Small Block	570cc	Horizontal	Standard	CARB
Vanguard Small Block	570cc	Horizontal	Catalyst	CARB
Vanguard Small Block	627cc	Vertical	Standard	EPA
Vanguard Small Block	627cc	Vertical	Catalyst	EPA
Vanguard Small Block	627cc	Vertical	Standard	CARB
Vanguard Small Block	627cc	Vertical	Catalyst	CARB
Vanguard Small Block	627cc	Horizontal	Standard	EPA

† EPA/CARB Certificates held by Propane Power Systems.

# VANGUARD CERTIFIED CONVERSION KITS

ENGINE	CC	CONFIGURATION	EXHAUST	CERTIFICATION†
Vanguard Small Block	627cc	Horizontal	Catalyst	EPA
Vanguard Small Block	627cc	Horizontal	Standard	CARB
Vanguard Small Block	627cc	Horizontal	Catalyst	CARB
Vanguard 810cc V-Twin	810cc	Vertical	Standard	EPA
Vanguard 810cc V-Twin	810cc	Vertical	Catalyst	EPA
Vanguard 810cc V-Twin	810cc	Vertical	Standard	CARB
Vanguard 810cc V-Twin	810cc	Vertical	Catalyst	CARB
Vanguard BIG BLOCK™	896cc	Vertical	Standard	EPA
Vanguard BIG BLOCK	896cc	Vertical	Catalyst	EPA
Vanguard BIG BLOCK	896cc	Horizontal	Standard	EPA
Vanguard BIG BLOCK	896cc	Horizontal	Catalyst	EPA
Vanguard BIG BLOCK	993cc	Vertical	Standard	EPA
Vanguard BIG BLOCK	993cc	Vertical	Catalyst	EPA
Vanguard BIG BLOCK	993cc	Horizontal	Standard	EPA
Vanguard BIG BLOCK	993cc	Horizontal	Catalyst	EPA



Call for detailed ordering and spec information.

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# VANGUARD

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[WWW.VANGUARDPOWER.COM](http://WWW.VANGUARDPOWER.COM)

\* See [vanguardpower.com](http://vanguardpower.com) for warranty details.

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