VANGUARD®

2026 VANGUARD® POWER GUIDE

Europe, Middle East and Africa

BRIGGS&STRATTON

Valued Customer,

At Briggs & Stratton, power is our passion — a passion we have pursued for 40 years now with the Vanguard brand, delivering innovation, reliability, and leadership in commercial power solutions. The 2026 Vanguard® lineup builds on this legacy, offering robust, high-performance solutions designed to handle the most demanding applications.

Our Vanguard™ Lithium-Ion battery systems are among the most advanced and customisable on the market, giving equipment manufacturers new levels of flexibility. With both robust fixed and game-changing swappable battery packs — plus chargers, motors, and motor controllers — we deliver scalable, efficient electrified power solutions for a wide range of applications.

That same passion drives our continued investment in petrol engine technology. The 2026 Vanguard engine range extends our reputation for performance and durability, offering smart, efficient solutions that meet the evolving needs of today's commercial equipment.

But we deliver more than just power solutions. Our partnerships go beyond the product. From expert engineering and application support to tailored marketing programs and a global after-sales service network, we provide the resources and experience needed to succeed in competitive markets.

Whether electrified or combustion, our goal is the same:
To deliver power that performs — consistently, efficiently, and without compromise.

Because power is our passion.

Sjoerd Van de Velde
Managing Director of EMEA

VANGUARD® | 40 YEARS

POWERED BY YEARS OF PROVEN EXPERTISE.

Celebrating our 40th year as a global leader in commercial power solutions.

Commercial Battery Pack Lineup.*

Fi Series
Fixed Battery Packs
Aluminum Diecast Enclosure

Fi7.0 (tall)
7,0 KWh[1]

Fi7.0 (long)
7,0 KWh[1]

Fi5.0
5,0 kWh[1]

Fi3.5
48V 3,5 kWh[1]

Fi3.5
24V 3,5 kWh[1]

Fi1.5
1,5 kWh[1]

Si Series
Swappable Battery Packs

Si1.5
1,5 kWh[1]

* Visualization of our Vanguard commercial battery packs only, independent of nominal voltage and features.

[1] Total energy measured using a 0.2C discharge per IEC 61960-3:2017.

[2] See www.vanguardpower.com for warranty details.

[3] Zero emissions apply only to the battery pack during operation.

[4] The battery pack is silent, however the application itself may make noise.

Commercial Engine Lineup.*

Vertical Shaft V-Twin Engines


EFI/ETC 29,9 Gross kW[1]


EFI/ETC 27,6 Gross kW[1]


EFI/ETC 24,6 Gross kW[1]


EFI 20,9 Gross kW[1]


19,4 Gross kW[1]


17,2 Gross kW[1]


13,4 Gross kW[1]


11,9 Gross kW[1]

Horizontal Shaft V-Twin Engines


EFI/ETC 29,9
Gross kW[1]


24,6-26,1 Gross kW[1]


EFI/ETC 17,2
Gross kW[1]


17,2 Gross kW[1]


13,4 Gross kW[1]


11,9 Gross kW[1]

Horizontal Shaft Single-Cylinder Engines


Vanguard* 400 EFI/ETC
10,4 Gross kW[1]


Vanguard 400
10,4 Gross kW[1]


Vanguard 300
7,5 Gross kW[1]


Vanguard 200
4,8 Gross kW[1]


Vanguard 160
3,7 Gross kW[1]

* Visualization of our Vanguard engines only, independent of gross power kW and features. The icons visualize the maximum possible features.
[1] Engines are stated in gross kilowatt at 3 600 rpm per SAE J1940 as rated by Briggs & Stratton.
[2] Extra year limited warranty after engine registration. Applies only to Vanguard 160, 200, 300, 400 and 400 EFI/ETC after engine registration. See www.vanguardpower.com for warranty details.
[3] Available on select engines.

Vanguard Commercial Battery Packs

Vanguard Battery Chargers

Vanguard Motor

Vanguard Motor Controllers

[1] Total energy measured using a 0,2C discharge per IEC 61960-3:2017.

Vanguard Horizontal Shaft Single-Cylinder Engines

Vanguard Horizontal Shaft V-Twin Engines

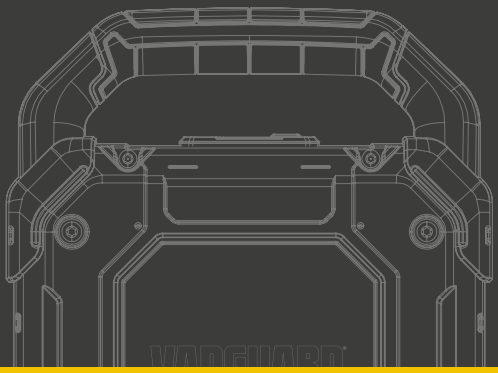
Vanguard Vertical Shaft V-Twin Engines

[1] All Vanguard engines are stated in gross kilowatt at 3 600 rpm per SAE J1940 as rated by Briggs & Stratton.

Vanguard Battery Systems.

Reliable Power. Easy Integration.

Industry-leading commercial battery solutions for a new generation of commercial equipment.



Electrification. Integration. Standardisation.

Vanguard Battery Systems offer a fully integrated solution. This includes Lithium-Ion battery packs with a built-in BMS, motors, motor controllers, and chargers. All acting as a comprehensive one-stop shop, significantly reducing the workload for OEMs.

BATTERY

+

BATTERY MANAGEMENT SYSTEM (BMS)

+

MOTOR

+

MOTOR CONTROLLER

+

CHARGER

Si Series

Taking lithium-ion battery technology to a whole new level

Swappable Battery Packs
Ability to swap out between applications on the job site to reduce downtime. Multiple mounting configurations.

Efficient
Multiple batteries can be combined in parallel for additional capacity.

Increased Uptime
Up to 1000-cycle life to 80% initial capacity.[1]

Operational Confidence
Integrated Battery Management System constantly monitors and measures the pack's voltage and temperature to ensure safe and efficient operations.

Secure Hold On Battery
Straightforward to integrate. Minimal movement, if any, to prevent wear on electrical connections.

Flexible
The CANbus J1939 protocol allows OEMs to quickly integrate battery systems into an application's CANbus network.

Easy Troubleshooting
Easy diagnostics and monitoring due to CANbus communication

[1] Based on cell life cycle testing using a 10A discharge and 1C charge.

Fi Series

Leader of the pack in power, performance and safety

Fixed Battery Packs
Designed to integrate seamlessly into any equipment.

Expandable
Packs can be combined in parallel for additional capacity.

Increased Uptime
Up to 2000-cycle life.[1]

Durable
Multiple protective features tested to withstand harsh conditions, including extreme temperatures, impact, vibration, moisture and dirt.

Unique CMA Design
Cell Module Assembly design for efficient power and safety.

Battery Management System
Monitors, controls temperatures and voltages of each cell bank to ensure safe operations and protects the battery to prevent misuse and abuse, safeguarding your investment.

[1] Based on cell life cycle testing using a 1A discharge and 0.5C charge.

POWER NEEDS ARE MET.

EVERYWHERE AND ANYTIME.

> **Increase uptime** by swapping out between applications on the job site.

> **Enhance efficiency** by combining batteries in parallel.

> Operating **when and where** others can't.

> Leading the way to a **greener future**.

The Swappable Battery Solution.

8 YEAR COMMERCIAL LIMITED WARRANTY[2]

0 EMISSIONS at point of use[3] | SILENT[4] | IP55

Battery Type	Swappable battery pack - Si1.5 Lithium-ion integrated Battery Management System
Model Number	80105739
Nominal Voltage (V)	51,4
Top Voltage (V)	58,8
Cut-Off Voltage (V)	42,0
Nominal Capacity / Energy (Ah / kWh)	28,4 / 1,5
Weight (kg)	11,8
Durability (Cycles) at 80% Capacity Retention[5]	Up to 1000
Charge Time (Hours)[6] **Charger**	1.25 1425W
Dimensions L x W x H (mm)	258 x 136 x 425
Features	Battery Management System, CANbus J1939 communication, plug-in ready charging system, easily swaps between applications, aluminum diecast enclosure

1,5kWh BATTERY | BATTERY MANAGEMENT SYSTEM (BMS) | CHARGER

[1] Total energy measured using a 0,2C discharge per IEC 61960-3:2017.
[2] See www.vanguardpower.com for warranty details.
[3] Zero emissions apply only to the battery pack during operation.
[4] The battery pack is silent, however the application itself may make noise.
[5] Based on cell life cycle testing using a 10A discharge and 1C charge.
[6] Based on preliminary testing, may vary based on conditions.

8 YEAR COMMERCIAL LIMITED WARRANTY[2]

0 EMISSIONS at point of use[3] | SILENT[4] | IP55

Battery Type	Fixed battery pack - Fi1.5 Lithium-ion integrated Battery Management System
Model Number	80113908
Nominal Voltage (V)	51,4
Top Voltage (V)	58,8
Cut-Off Voltage (V)	42,0
Nominal Capacity / Energy (Ah / kWh)	28,4 / 1,5
Weight (kg)	11,6
Durability (Cycles) at 80% Capacity Retention[5]	Up to 1000
Charge Time (Hours)[6] **Charger**	1.25 1425W
Dimensions L x W x H (mm)	256 x 131 x 371
Features	Battery Management System, CANbus J1939 communication, plug-in ready charging system, aluminum diecast enclosure

1,5kWh BATTERY | BATTERY MANAGEMENT SYSTEM (BMS) | CHARGER

[1] Total energy measured using a 0,2C discharge per IEC 61960-3:2017.
[2] See www.vanguardpower.com for warranty details.
[3] Zero emissions apply only to the battery pack during operation.
[4] The battery pack is silent, however the application itself may make noise.
[5] Based on cell life cycle testing using a 10A discharge and 1C charge.
[6] Based on preliminary testing, may vary based on conditions.

8 YEAR COMMERCIAL LIMITED WARRANTY[2]

0 EMISSIONS at point of use[3]

SILENT[4]

IP56

Battery Type	Fixed battery pack - Fi3.5 Lithium-ion integrated Battery Management System
Model Number	80127410
Nominal Voltage (V)	25,8
Top Voltage (V)	29,4
Cut-Off Voltage (V)	17,5
Nominal Capacity / Energy (Ah / kWh)	135,9 / 3,5
Weight (kg)	26,3
Durability (Cycles) at 80% Capacity Retention[5]	Up to 2000
Charge Time (Hours)[6] **Charger**	6 5 4 1050W 1425W 3000W
Dimensions L x W x H (mm)	482 x 272 x 266
Features	Battery Management System, CANbus J1939 communication, plug-in ready charging system, aluminum diecast enclosure, ingress protection rating IP56 and pressure washer Up to 10 batteries can be combined in parallel for additional capacity.

3,5kWh BATTERY

BATTERY MANAGEMENT SYSTEM (BMS)

CHARGER

[1] Total energy measured using a 0,2C discharge per IEC 61960-3:2017.
[2] See www.vanguardpower.com for warranty details.
[3] Zero emissions apply only to the battery pack during operation.
[4] The battery pack is silent, however the application itself may make noise.
[5] Based on cell life cycle testing using a 1A discharge and 0.5C charge.
[6] Based on preliminary testing, may vary based on conditions.

VANGUARD 48V 3,5kWh[1]

8 YEAR COMMERCIAL LIMITED WARRANTY[2]

0 EMISSIONS at point of use[3]

SILENT[4]

IP56

Battery Type	Fixed battery pack - Fi3.5 Lithium-ion integrated Battery Management System
Model Number	80110583
Nominal Voltage (V)	51,6
Top Voltage (V)	58,8
Cut-Off Voltage (V)	35,0
Nominal Capacity / Energy (Ah / kWh)	67,5 / 3,5
Weight (kg)	26,3
Durability (Cycles) at 80% Capacity Retention[5]	Up to 2000
Charge Time (Hours)[6] **Charger**	4 3 2 1050W 1425W 3000W
Dimensions L x W x H (mm)	482 x 272 x 266
Features	Battery Management System, CANbus J1939 communication, plug-in ready charging system, aluminum diecast enclosure, ingress protection rating IP56 and pressure washer Up to 10 batteries can be combined in parallel for additional capacity.

3,5kWh BATTERY

BATTERY MANAGEMENT SYSTEM (BMS)

CHARGER

[1] Total energy measured using a 0,2C discharge per IEC 61960-3:2017.
[2] See www.vanguardpower.com for warranty details.
[3] Zero emissions apply only to the battery pack during operation.
[4] The battery pack is silent, however the application itself may make noise.
[5] Based on cell life cycle testing using a 1A discharge and 0.5C charge.
[6] Based on preliminary testing, may vary based on conditions.

8 YEAR COMMERCIAL LIMITED WARRANTY[2]

0 EMISSIONS at point of use[3]

SILENT[4]

IP56

Battery Type	Fixed battery pack - Fi5.0 Lithium-ion integrated Battery Management System
Model Number	80112254
Nominal Voltage (V)	51,6
Top Voltage (V)	58,8
Cut-Off Voltage (V)	35,0
Nominal Capacity / Energy (Ah / kWh)	98,7 / 5,1
Weight (kg)	42,6
Durability (Cycles) at 80% Capacity Retention[5]	Up to 2000
Charge Time (Hours)[6] **Charger**	5,5 3 1050W 3000W
Dimensions L x W x H (mm)	597 x 266 x 362
Features	Battery Management System, CANbus J1939 communication, plug-in ready charging system, aluminum diecast enclosure, ingress protection rating IP56 and pressure washer Up to 10 batteries can be combined in parallel for additional capacity.

5,0kWh BATTERY

BATTERY MANAGEMENT SYSTEM (BMS)

CHARGER

[1] Total energy measured using a 0,2C discharge per IEC 61960-3:2017.
[2] See www.vanguardpower.com for warranty details.
[3] Zero emissions apply only to the battery pack during operation.
[4] The battery pack is silent, however the application itself may make noise.
[5] Based on cell life cycle testing using a 1A discharge and 0.5C charge.
[6] Based on preliminary testing, may vary based on conditions.

VANGUARD 48V 7,0kWh[1]

8 YEAR COMMERCIAL LIMITED WARRANTY[2]

0 EMISSIONS at point of use[3]

SILENT[4]

IP66

Battery Type	Fixed battery pack - Fi7.0 long Lithium-ion integrated Battery Management System
Model Number	80104774
Nominal Voltage (V)	51,6
Top Voltage (V)	58,8
Cut-Off Voltage (V)	35,0
Nominal Capacity / Energy (Ah / kWh)	135,9 / 7,0
Weight (kg)	52,6
Durability (Cycles) at 80% Capacity Retention[5]	Up to 2000
Charge Time (Hours)[6] **Charger**	8 4 1050W 3000W
Dimensions L x W x H (mm)	876 x 264 x 284
Features	Battery Management System, CANbus J1939 communication, plug-in ready charging system, aluminum diecast enclosure ingress protection rating IP66 and pressure washer Up to 10 batteries can be combined in parallel for additional capacity.

7,0kWh BATTERY

BATTERY MANAGEMENT SYSTEM (BMS)

CHARGER

[1] Total energy measured using a 0,2C discharge per IEC 61960-3:2017.
[2] See www.vanguardpower.com for warranty details.
[3] Zero emissions apply only to the battery pack during operation.
[4] The battery pack is silent, however the application itself may make noise.
[5] Based on cell life cycle testing using a 1A discharge and 0.5C charge.
[6] Based on preliminary testing, may vary based on conditions.

8 YEAR COMMERCIAL LIMITED WARRANTY[2]

0 EMISSIONS at point of use[3]

SILENT[4]

IP56

Battery Type	Fixed battery pack - Fi7.0 tall Lithium-ion integrated Battery Management System
Model Number	80112214
Nominal Voltage (V)	51,6
Top Voltage (V)	58,8
Cut-Off Voltage (V)	35,0
Nominal Capacity / Energy (Ah / kWh)	135,9 / 7,0
Weight (kg)	49,9
Durability (Cycles) at 80% Capacity Retention[5]	Up to 2000
Charge Time (Hours)[6] **Charger**	8 4 1050W 3000W
Dimensions L x W x H (mm)	597 x 266 x 362
Features	Battery Management System, CANbus J1939 communication, plug-in ready charging system, aluminum diecast enclosure ingress protection rating IP56 and pressure washer Up to 10 batteries can be combined in parallel for additional capacity.

7,0kWh BATTERY

BATTERY MANAGEMENT SYSTEM (BMS)

CHARGER

[1] Total energy measured using a 0,2C discharge per IEC 61960-3:2017.
[2] See www.vanguardpower.com for warranty details.
[3] Zero emissions apply only to the battery pack during operation.
[4] The battery pack is silent, however the application itself may make noise.
[5] Based on cell life cycle testing using a 1A discharge and 0.5C charge.
[6] Based on preliminary testing, may vary based on conditions.

Lithium-Ion Battery **Chargers**

Vanguard offers a variety of chargers that pair with Vanguard Battery Packs.

Plug into standard wall outlets.

Can be combined in parallel for reduced charging times.

[1] 4 YEAR COMMERCIAL LIMITED WARRANTY

IP44

Bluetooth®

Charger Type	Si Series 1425W single-bay-mounted charger with Bluetooth® monitoring
Model Number	80126934
Charging Rate (A / kW)	30/ 1,425
Rated Voltage (V)	100 - 240 (AC)
Operating Voltage (V)	85 - 265 (AC)
Dimensions L x W x H (mm)	621 x 353,7 x 263,4
Features	Works seamlessly with battery pack, Bluetooth capabilities for monitoring AC input and DC output, enclosure rating IP44 / NEMA4

VANGUARD LITHIUM APPLICATION

Available on the App Store

GET IT ON Google Play

- The Vanguard Lithium application interfaces wirelessly with Vanguard battery chargers over Bluetooth.
- Display diagnostic information related to battery charges.
- Allows users to configure battery charger.
- Cloud connectivity.

[1] See www.vanguardpower.com for warranty details.

4 YEAR COMMERCIAL LIMITED WARRANTY[1]

IP66

Bluetooth®

Charger Type	Fi Series 1050W single-phase charging system with Bluetooth® monitoring
Model Number	80086414
Charging Rate (A / kW)	25 / 1,05
Rated Voltage (V)	100 - 240 (AC)
Operating Voltage (V)	85 - 265 (AC)
Dimensions L x W x H (mm)	336 x 182 x 113
Features	Works seamlessly with fixed battery pack, Bluetooth capabilities for monitoring AC input and DC output, enclosure rating IP66 / NEMA4 Can be connected in parallel (2) to reduce the charging time.

VANGUARD LITHIUM APPLICATION

Available on the App Store

GET IT ON Google Play

- The Vanguard Lithium application interfaces wirelessly with Vanguard battery chargers over Bluetooth.
- Display diagnostic information related to battery charges.
- Allows users to configure battery charger.
- Cloud connectivity.

[1] See www.vanguardpower.com for warranty details.

4 YEAR COMMERCIAL LIMITED WARRANTY[1]

IP66

Bluetooth

Charger Type	Fi / Si Series 1425W single-phase charging system with Bluetooth monitoring
Model Number	80126739 Charger
Charging Rate (A / kW)	30 / 1,425
Rated Voltage (V)	100 - 240 (AC)
Operating Voltage (V)	85 - 265 (AC)
Dimensions L x W x H (mm)	341 x 208 x 115 Charger
Features	Works seamlessly with battery pack, Bluetooth capabilities for monitoring AC input and DC output, enclosure rating IP66 / NEMA4 Can be connected in parallel (2) to reduce the charging time.

VANGUARD LITHIUM APPLICATION

Available on the App Store

GET IT ON Google Play

- The Vanguard Lithium application interfaces wirelessly with Vanguard battery chargers over Bluetooth.
- Display diagnostic information related to battery charges.
- Allows users to configure battery charger.
- Cloud connectivity.

[1] See www.vanguardpower.com for warranty details.

3 YEAR COMMERCIAL LIMITED WARRANTY[1]

IP55

Charger Type	Fi Series 3000W single-phase charging system
Model Number	80114089
Charging Rate (A / kW)	60 / 3
Rated Voltage (V)	100 - 240 (AC)
Operating Voltage (V)	90 - 264 (AC)
Dimensions L x W x H (mm)	323,2 x 220 x 140
Features	Works seamlessly with fixed battery pack, enclosure rating IP55 / NEMA4

[1] See www.vanguardpower.com for warranty details.

MVG Motors

Brushless Permanent Magnet
Ensures high efficiency.

Automotive-Grade Durability
Built to automotive standards for unmatched reliability. Delivers outstanding resilience and reliability.

Maintenance-Free Operation
Designed to operate without the need for regular maintenance.

Easy Integration Features
Reduces development costs and enhances flexibility for legacy applications. Standard mounting to support ICE replacement.

Serviceable Products
Helps avoid costly replacements.

MVG1500

[1] 2 YEAR COMMERCIAL LIMITED WARRANTY

IP65

Motor Type	MVG1500
Model Number	TBC
Motor Type	Brushless PM
Nominal Input Voltage	48 VDC
Maximum Input Voltage	72 VDC
Output Power (Continuous)	1500 W
Output Power (Peak)	3500 W
Nominal Torque	5 Nm
Maximum Torque	20 Nm
Nominal Speed	3600 RPM
Maximum Speed	4000 RPM (at 48V)
Efficiency (Peak)	0,92
Operating Temperature Range	Up to 40°C
Enclosure Rating	IP65
D x L Body/PTO (mm)	225 x 155/160
Features	Internal motor controller, simplified system integration, brushless PM, automotive grade design, high torque outer rotor design

[1] See www.vanguardpower.com for warranty details.

MC Motor Controllers

J1939 Communication
Simplified integration with Vanguard battery packs.

Automotive Grade Design
Outstanding resilience and reliability.

Auto-Tuning
Less work to optimize your system.

Fault Protection
Keep the equipment working as well as possible, as long as possible.

Multiple Control Modes
Control speed, torque, or a combination.

2 YEAR COMMERCIAL LIMITED WARRANTY[1]

IPx5

Controller Type	MC2000
Model Number	80094680
Nominal Input Voltage	48 VDC
Maximum Input Voltage	72 VDC
Minimum Input Voltage	30 VDC
Phase Current (Peak)	200 A
Efficiency (Peak)	95% or greater
Supported Motor Types	Three-phase SPM
Fault Protection	Over/under voltage, over temperature, over current
Operating Temperature Range	-20 to 50°C
Storage Temperature Range	-35 to 85°C
Enclosure Rating	IPx5
L x W x H (mm)	125 x 145 x 52
Features	Supports Hall effect or sensorless motors; speed, torque, and hybrid control modes; thermal cutback; Bluetooth communication; 100% end-of-line test at power

[1] See www.vanguardpower.com for warranty details.

2 YEAR COMMERCIAL LIMITED WARRANTY[1]

IPx5

Controller Type	MC4000
Model Number	80135006
Nominal Input Voltage	48 VDC
Maximum Input Voltage	72 VDC
Minimum Input Voltage	30 VDC
Phase Current (Peak)	430 A
Efficiency (Peak)	95% or greater
Supported Motor Types	Three-phase SPM
Fault Protection	Over/under voltage, over temperature, over current
Operating Temperature Range	-20 to 50°C
Storage Temperature Range	-35 to 85°C
Enclosure Rating	IPx5
L x W x H (mm)	174 x 145 x 52
Features	Supports Hall effect or sensorless motors; speed, torque, and hybrid control modes; thermal cutback; Bluetooth communication; 100% end-of-line test at power

[1] See www.vanguardpower.com for warranty details.

2 YEAR COMMERCIAL LIMITED WARRANTY[1]

IPx5

Controller Type	MC8000
Model Number	80135007
Nominal Input Voltage	48 VDC
Maximum Input Voltage	72 VDC
Minimum Input Voltage	30 VDC
Phase Current (Peak)	840 A
Efficiency (Peak)	95% or greater
Supported Motor Types	Three-phase SPM
Fault Protection	Over/under voltage, over temperature, over current
Operating Temperature Range	-20 to 50°C
Storage Temperature Range	-35 to 85°C
Enclosure Rating	IPx5
L x W x H (mm)	247 x 145 x 52
Features	Supports Hall effect or sensorless motors; speed, torque, and hybrid control modes; thermal cutback; Bluetooth communication; 100% end-of-line test at power

[1] See www.vanguardpower.com for warranty details.

Commercial Engines.

Unrelenting. Robust Power.

Vanguard provides innovative solutions that are designed, engineered and proven to deliver the highest level of reliable power and improved productivity.

VANGUARD 400 EFI/ETC

- Consistent power.
- Maximised productivity.
- Better fuel efficiency.
- In-house designed EFI System exclusively available for the Vanguard 400 EFI/ETC in our Single-Cylinder engine lineup.

ELECTRONIC FUEL INJECTION
EFI
ETC
ELECTRONIC THROTTLE CONTROL

The Single-Cylinder Advantage.

Game-changing improvements of user experience and total cost of ownership.

Ready to transport with our fuel shut off system[1].

[4]

Our quality assurance to safeguard your investment.

Optimized sound and tone quality.

Lower vibration improving operator's comfort.

High inclination package allows up to 45° angle of operation*.

200 hour oil replacement intervals, double the industry standard.

600 hour air cleaner life, double the industry standard.

Reduced environmental impact by 50% less oil waste[2].

EXCLUSIVE TO THE VANGUARD 400 EFI/ETC

Maximized productivity and improved fuel savings.

Consistent power in any conditions.

Reduced equipment downtime with CAN J1939 and EFI Diagnostic Tool.

[1] Not applicable to Vanguard 400.

[4] Extra year limited warranty after engine registration applies to Vanguard 160, 200, 300, 400 and 400 EFI/ETC. See www.vanguardpower.com for warranty details.

* High Inclination Package optional. Refer to equipment operators manual for usage instructions.

[2] Based on manufacturer's service recommendations per operator's manuals.

THE NEXT GENERATION OF

V-TWIN EFI ENGINES.

Boosts overall performance and productivity in commercial applications.

> Better fuel efficiency.

> Quick load acceptance.

> Improved user experience.

> Enhanced total cost of ownership.

Easier to service.

> The CAN J1939 communication protocol simplifies application integration, diagnostics and troubleshooting.

> EFI Diagnostic Tool ensures reduced equipment downtime.

Selectable speed*.

> One engine for multiple applications when the only difference is engine operating speed.

> Control speed setting via CANbus.

* OEM Selectable Speed System available on models 61A1, 61A2 and 61G2.

Less maintenance. Maximised up-time.

With the exclusive Oil Guard System, the equipment can run harder on the job and longer between oil maintenance. It is a revolutionary technology with an external oil reservoir that ensures longer engine life and lower total cost of ownership.

EXTENDED OIL MAINTENANCE INTERVALS

> A 500-hour oil change interval reduces downtime.

> Saves up to 60% on oil maintenance costs[1].

OPTIMIZED OIL FILTRATION

> 82% larger filter decreases oil aeration.

> 80% improved filtration efficiency.

> Thermal breakdown protection.

FASTER AND EASIER OIL CHANGES

> Operator focused design.

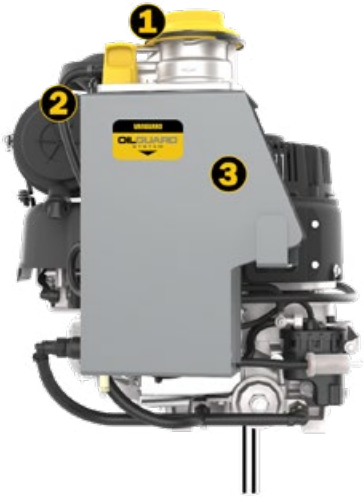
CONSISTENT ENGINE LUBRICATION

> Operates continuously at angles up to 45°[2]

[1] Cost savings are based on standard oil maintenance per unit per season with 100-hour interval versus the new Oil Guard System 500-hour service interval.

[2] Refer to specific usage/operating conditions as approved by the equipment manufacturer in the operator's manual.

Here is how the Oil Guard System provides enhanced oil protection and increased productivity.



1. Easy-fill cap and integrated oil filter make oil changes easier, cleaner and faster.

2. Unique dry sump system ensures off-angle lubrication and minimizes thermal breakdown of oil.

3. High-capacity external oil reservoir keeps oil and engine cooler.

Maximised productivity. Fuel savings.

EFI
ELECTRONIC FUEL INJECTION

The engine control module constantly monitors and fine-tunes every single engine operating point thousands of times per minute. The module takes in all of the signals from the engine sensors to make cycle-by-cycle decisions on how much fuel and spark to provide the EFI engine and when to do it.

Electronic Fuel Injection technology provides:

IMPROVED STARTING

> Easy all-weather electric starting enables remote operation.

> Improved tolerance for stale fuel.

INCREASED POWER

> Speed sensing directs the right amount of fuel precisely when it is needed.

BETTER FUEL EFFICIENCY

> Saves money and needs less fuel resulting in longer run time.

AUTOMATIC ALTITUDE COMPENSATION

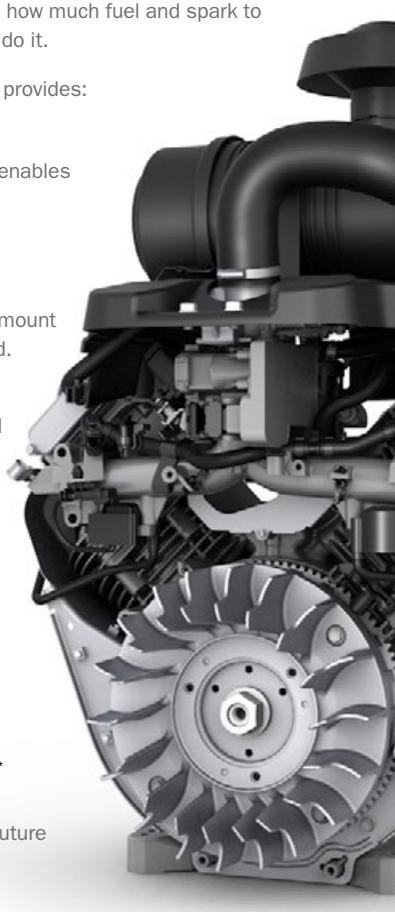
> Smooth performance as environmental conditions change at different altitudes.

EFI DIAGNOSTICS TOOL

> Easier diagnostics and faster troubleshooting.

IN-HOUSE DESIGNED EFI SYSTEM*

> Enables us to quickly respond to customer needs and to address future emissions regulations.



* Available for Vanguard 400 EFI/ETC engine.

Consistent power. No matter the terrain.

ETC
ELECTRONIC THROTTLE CONTROL

The ETC technology reacts instantly to any applied load from its environment to deliver power in any condition. The flywheel speed sensor detects any change in RPM and sends a signal to the throttle body, ensuring consistent engine speed.

Electronic Throttle Control technology ensures:

CONSISTENT SPEED

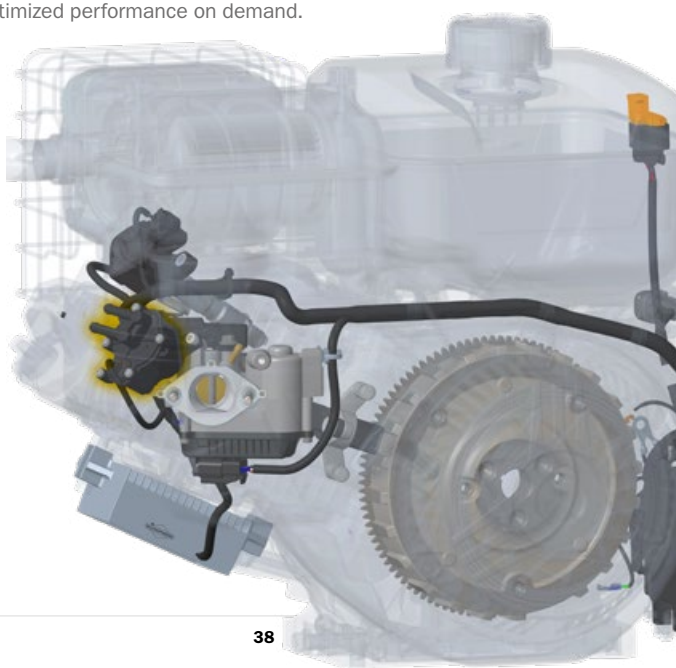
> Reacts instantaneously to any applied load from its environment.

SMOOTH PERFORMANCE

> Significantly enhances the experience of the end-user.

BETTER LOAD PICKUP

> Optimized performance on demand.



Ready to transport. No more engine damage.

The patented TransportGuard integrates a single action fuel and ignition shut-off switch. This fuel shut-off system **eliminates operator error** and ensures **trouble free equipment transportation.**

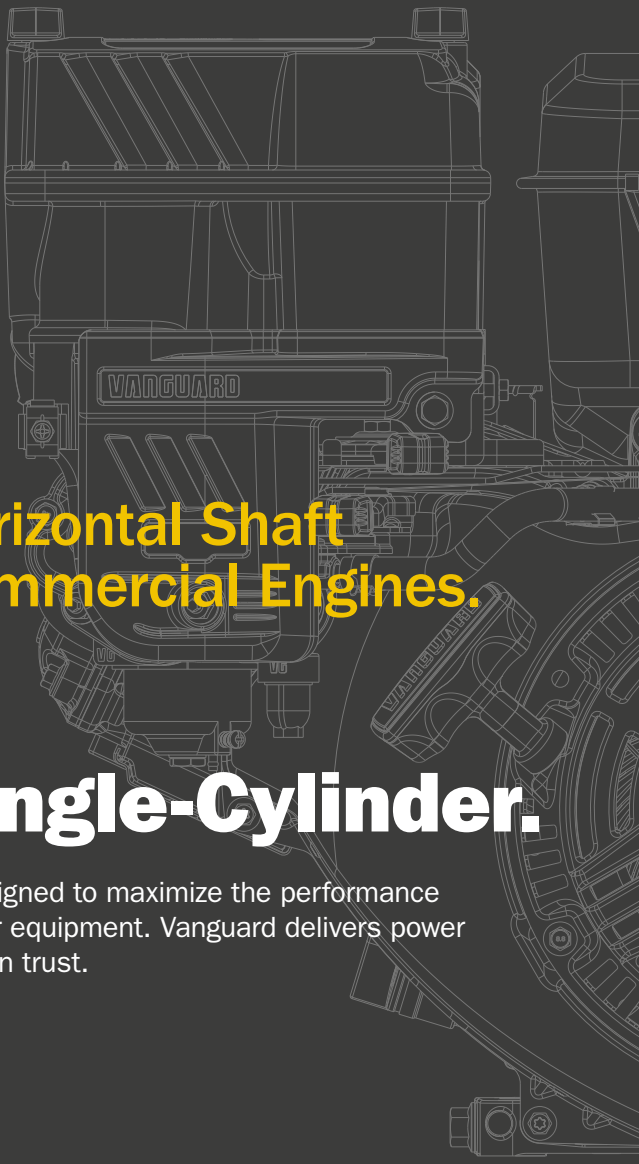
> No more oil/fuel dilution.

> No more unnecessary oil changes/wastage.

> No more preventable damage.

> No more costly downtime due to maintenance.

> Not available on competitive engines.



Horizontal Shaft Commercial Engines.

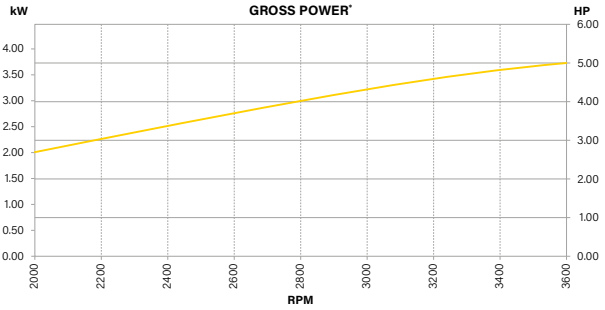
Single-Cylinder.

Redesigned to maximize the performance of your equipment. Vanguard delivers power you can trust.

TRANSPORT GUARD

3 YEAR COMMERCIAL LIMITED WARRANTY + 1 WARRANTY BONUS YEAR [2]

Engine Type	Single-cylinder, 4-stroke, air cooled, OHV (Overhead Valve)
Model Number	10V3
Gross Power kW (HP) @ 3 600 rpm	3,7[1] (5,0)
Displacement (cc)	169
Cylinder	Cast iron sleeve
Bore & Stroke (mm)	62,0 x 56,0
Fuel Tank Capacity (l)	3,1
Oil Capacity (l)	0,6
Dry Weight (kg)	17,9
Dimensions L x W x H (mm)	274 x 366 x 361
Features	TransportGuard, dual ball bearing, integrated cyclonic air cleaner, Super Lo-Tone™ muffler
Optional	Electric start, low oil sensor, 45° inclination package, clear flange muffler, 2:1 and 6:1 gear reduction package



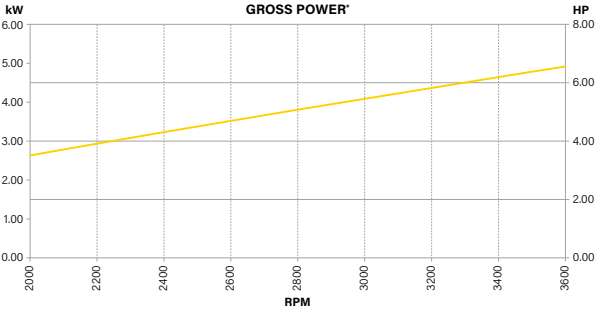
[1] All power levels are stated in gross kilowatts per SAE J1940 as rated by Briggs & Stratton.
[2] Extra year warranty after engine registration. See www.vanguardpower.com for warranty details.

VANGUARD 200 – 4,8 GROSS kW[1]

TRANSPORT GUARD

3 YEAR COMMERCIAL LIMITED WARRANTY +1 WARRANTY BONUS YEAR[2]

Engine Type	Single-cylinder, 4-stroke, air cooled, OHV (Overhead Valve)
Model Number	12V3
Gross Power kW (HP) @ 3 600 rpm	4,8[1] (6,5)
Displacement (cc)	203
Cylinder	Cast iron sleeve
Bore & Stroke (mm)	68,0 x 56,0
Fuel Tank Capacity (l)	3,1
Oil Capacity (l)	0,6
Dry Weight (kg)	17,9
Dimensions L x W x H (mm)	289 x 375 x 361
Features	TransportGuard, dual ball bearing, integrated cyclonic air cleaner, Super Lo-Tone muffler
Optional	Electric start, low oil sensor, 45° inclination package, clear flange muffler, low profile air cleaner, 2:1 and 6:1 gear reduction package



[1] All power levels are stated in gross kilowatts per SAE J1940 as rated by Briggs & Stratton.

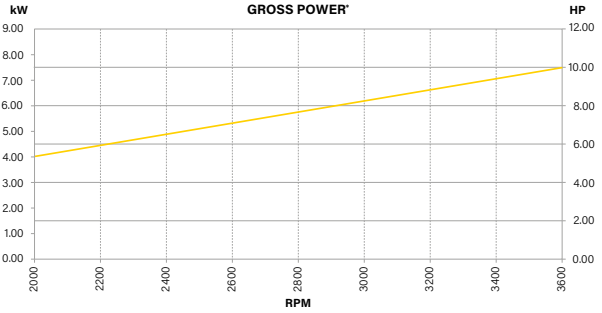
[2] Extra year warranty after engine registration. See www.vanguardpower.com for warranty details.

VANGUARD 300 – 7,5 GROSS kW[1]

TRANSPORT GUARD

3 YEAR COMMERCIAL LIMITED WARRANTY + 1 WARRANTY BONUS YEAR [2]

Engine Type	Single-cylinder, 4-stroke, air cooled, OHV (Overhead Valve)
Model Number	19V3
Gross Power kW (HP) @ 3 600 rpm	7,5[1] (10,0)
Displacement (cc)	307
Cylinder	Cast iron sleeve
Bore & Stroke (mm)	80,0 x 61,0
Fuel Tank Capacity (l)	4,8
Oil Capacity (l)	0,89
Dry Weight (kg)	32,21
Dimensions L x W x H (mm)	330 x 439 x 447
Features	TransportGuard, dual ball bearing, Super Lo-Tone muffler, integrated cyclonic air cleaner
Optional	Electric start, low oil sensor, 45° inclination package, clear flange muffler, low profile air cleaner



[1] All power levels are stated in gross kilowatts per SAE J1940 as rated by Briggs & Stratton.

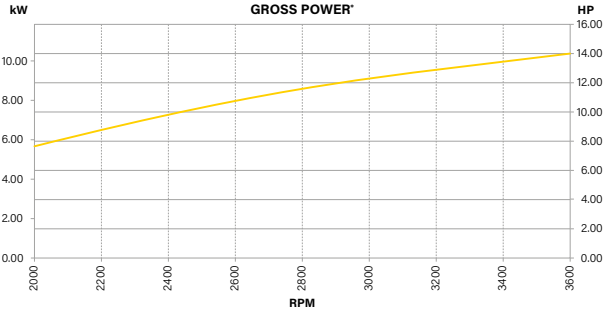
[2] Extra year warranty after engine registration. See www.vanguardpower.com for warranty details.

VANGUARD 400 – 10,4 GROSS kW[1]

TRANSPORT GUARD

3 YEAR COMMERCIAL LIMITED WARRANTY + 1 WARRANTY BONUS YEAR[2]

Engine Type	Single-cylinder, 4-stroke, air cooled, OHV (Overhead Valve)
Model Number	25V3
Gross Power kW (HP) @ 3 600 rpm	10,4[1] (14,0)
Displacement (cc)	408
Cylinder	Cast iron sleeve
Bore & Stroke (mm)	88,0 x 67,0
Fuel Tank Capacity (l)	5,74
Oil Capacity (l)	0,94
Dry Weight (kg)	35,5
Dimensions L x W x H (mm)	363 x 455 x 460
Features	TransportGuard, dual ball bearing, Super Lo-Tone muffler, integrated cyclonic air cleaner
Optional	Electric start, low oil sensor, 45° inclination package, clear flange muffler, low profile air cleaner



[1] All power levels are stated in gross kilowatts per SAE J1940 as rated by Briggs & Stratton.

[2] Extra year warranty after engine registration. See www.vanguardpower.com for warranty details.

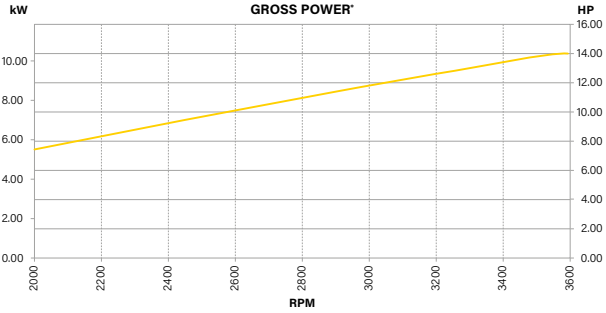
VANGUARD 400 EFI/ETC – 10,4 GROSS kW[1]

EFI ETC
ELECTRONIC THROTTLE CONTROL

3 YEAR COMMERCIAL LIMITED WARRANTY

+1 WARRANTY BONUS YEAR [2]

Engine Type	Single-cylinder, 4-stroke, air cooled, OHV (Overhead Valve)
Model Number	25E3
Gross Power kW (HP) @ 3 600 rpm	10,4[1] (14,0)
Displacement (cc)	408
Cylinder	Cast iron sleeve
Bore & Stroke (mm)	88,0 x 67,0
Fuel Tank Capacity (l)	5,99
Oil Capacity (l)	0,94
Dry Weight (kg)	39,5
Dimensions L x W x H (mm)	541 x 363 x 472
Features	EFI[3]/ETC, dual ball bearing, Super Lo-Tone muffler, integrated cyclonic air cleaner, CAN J1939 communication
Optional	Low oil sensor, 45° inclination package, clear flange muffler, low mount or remote air cleaner, remote mount control panel

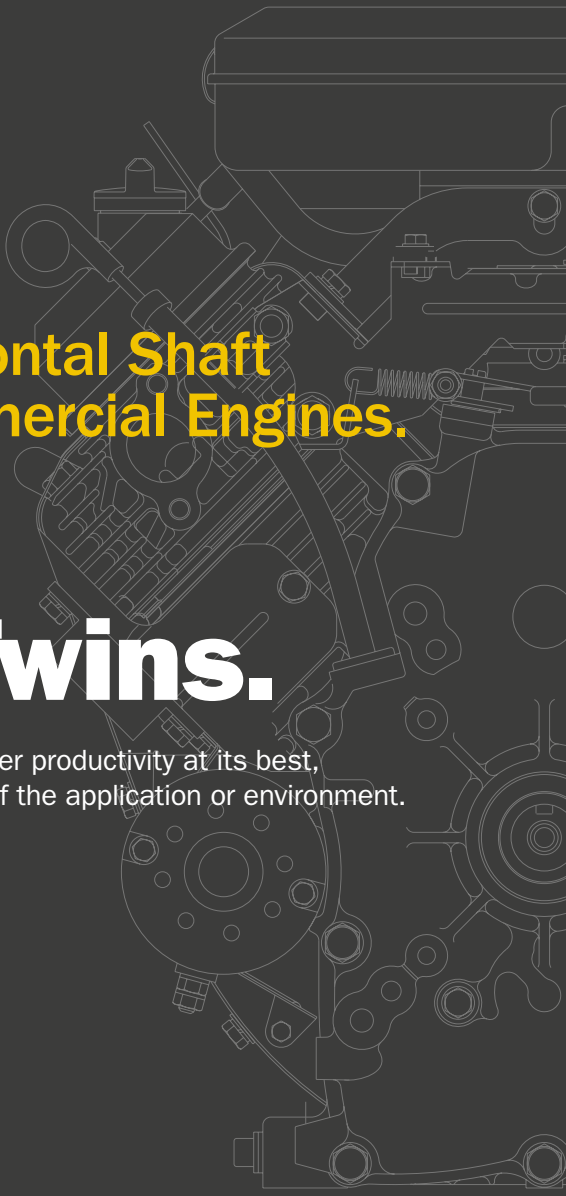


[1] All power levels are stated in gross kilowatts per SAE J1940 as rated by Briggs & Stratton.
[2] Extra year warranty after engine registration. See www.vanguardpower.com for warranty details.
[3] In-house designed EFI System.

Horizontal Shaft Commercial Engines.

V-Twins.

Built to deliver productivity at its best, regardless of the application or environment.

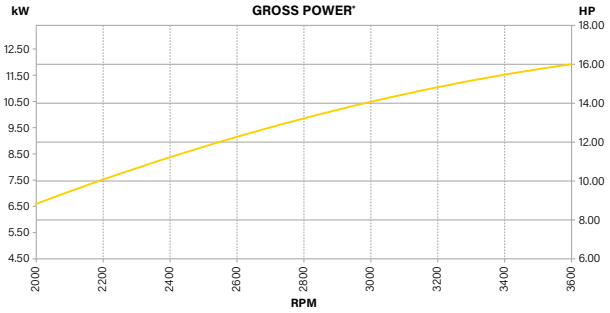


VANGUARD 11,9 GROSS kW[1]

3 YEAR COMMERCIAL LIMITED WARRANTY[2]

Engine Type	V-Twin, 4-stroke, air cooled, OHV (Overhead Valve)
Model Number	3054
Gross Power kW (HP) @ 3 600 rpm	11,9[1] (16,0)
Displacement (cc)	479
Cylinder	Cast iron sleeve
Bore & Stroke (mm)	68,0 x 66,0
Fuel Tank Capacity (l)	NA
Oil Capacity (l)	1,42
Dry Weight (kg)	32,7
Dimensions L x W x H (mm)	279 x 410 x 438
Features	Oil filter, full pressure lubrication
Optional	Rewind start, fuel tank[1], muffler


[3]



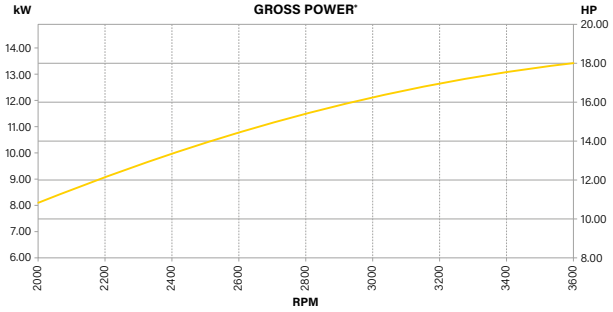
[1] All power levels are stated in gross kilowatts per SAE J1940 as rated by Briggs & Stratton.
[2] See www.vanguardpower.com for warranty details.
[3] Optional fuel tank shown.

VANGUARD 13,4 GROSS kW[1]

3 YEAR COMMERCIAL LIMITED WARRANTY [2]

Engine Type	V-Twin, 4-stroke, air cooled, OHV (Overhead Valve)
Model Number	3564
Gross Power kW (HP) @ 3 600 rpm	13,4[1] (18,0)
Displacement (cc)	570
Cylinder	Cast iron sleeve
Bore & Stroke (mm)	72,0 x 70,0
Fuel Tank Capacity (l)	NA
Oil Capacity (l)	1,42
Dry Weight (kg)	33,6
Dimensions L x W x H (mm)	318 x 410 x 438
Features	Oil filter, full pressure lubrication
Optional	Rewind start, fuel tank[1], muffler


[3]

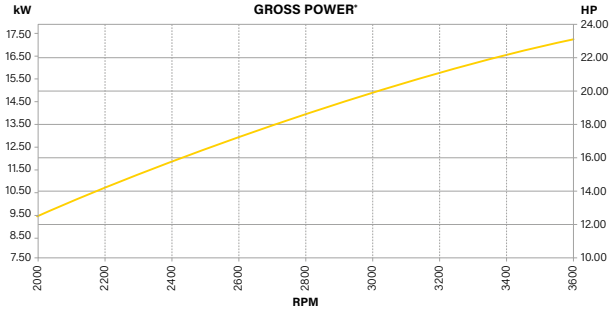


[1] All power levels are stated in gross kilowatts per SAE J1940 as rated by Briggs & Stratton.
[2] See www.vanguardpower.com for warranty details.
[3] Optional fuel tank shown.

[2]

Engine Type	V-Twin, 4-stroke, air cooled, OHV (Overhead Valve)
Model Number	3864
Gross Power kW (HP) @ 3 600 rpm	17,2[1] (23,0)
Displacement (cc)	627
Cylinder	Cast iron sleeve
Bore & Stroke (mm)	75,5 x 70,0
Fuel Tank Capacity (l)	NA
Oil Capacity (l)	1,42
Dry Weight (kg)	35,0
Dimensions L x W x H (mm)	318 x 407 x 449
Features	Oil filter, full pressure lubrication
Optional	Rewind start, fuel tank[1], muffler, cyclonic air cleaner

[3]

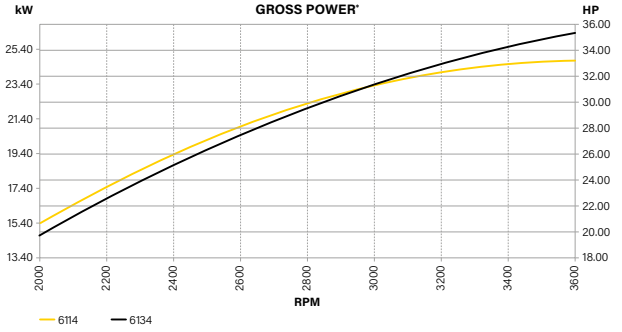


[1] All power levels are stated in gross kilowatts per SAE J1940 as rated by Briggs & Stratton.
[2] See www.vanguardpower.com for warranty details.
[3] Optional fuel tank shown.

VANGUARD 24,6 - 26,1 GROSS kW[1]

3 YEAR COMMERCIAL LIMITED WARRANTY[2]

Engine Type	V-Twin, 4-stroke, air cooled, OHV (Overhead Valve)	
Model Number	6114	6134
Gross Power kW (HP) @ 3 600 rpm	24,6[1] (33,0)	26,1[1] (35,0)
Displacement (cc)	993	
Cylinder	Cast iron sleeve	
Bore & Stroke (mm)	85,5 x 86,5	
Fuel Tank Capacity (l)	NA	
Oil Capacity (l)	2,3	
Dry Weight (kg)	56,8	
Dimensions L x W x H (mm)	379 x 496 x 725	
Features	Oil filter, full pressure lubrication, cyclonic air cleaner	
Optional	Muffler, flat panel air cleaner	



[1] All power levels are stated in gross kilowatts per SAE J1940 as rated by Briggs & Stratton.

[2] See www.vanguardpower.com for warranty details.

THE PERFECT DIESEL ALTERNATIVE.

Our EFI/ETC Vanguard BIG BLOCK™ V-Twin engines are powering change across the board.

- > Improved performance.
- > Better fuel efficiency.
- > Consistent speed.
- > Easy all-weather electric starting.
- > Altitude compensation.
- > Stale fuel resistance.
- > CAN J1939 communications.
- > OEM selectable speed.*

Maximised productivity and fuel efficiency.

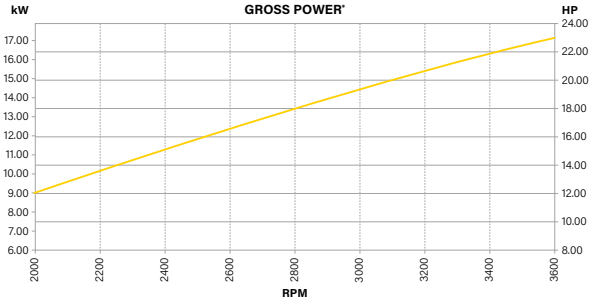
* OEM Selectable Speed System available on models 61A1, 61A2 and 61G2.

VANGUARD EFI/ETC 17,2 GROSS kW[1]

EFI ETC
ELECTRONIC THROTTLE CONTROL

3 YEAR COMMERCIAL LIMITED WARRANTY [2]

Engine Type	V-Twin, 4-stroke, air cooled, OHV (Overhead Valve)
Model Number	38E3
Gross Power kW (HP) @ 3 600 rpm	17,2[1] (23,0)
Displacement (cc)	627
Cylinder	Cast iron sleeve
Bore & Stroke (mm)	75,5 x 70,0
Fuel Tank Capacity (l)	NA
Oil Capacity (l)	1,42
Dry Weight (kg)	35,0
Dimensions L x W x H (mm)	318 x 407 x 449
Features	EFI/ETC, full pressure lubrication, oil filter, CAN J1939 communication
Optional	Rewind start, muffler, cyclonic air cleaner



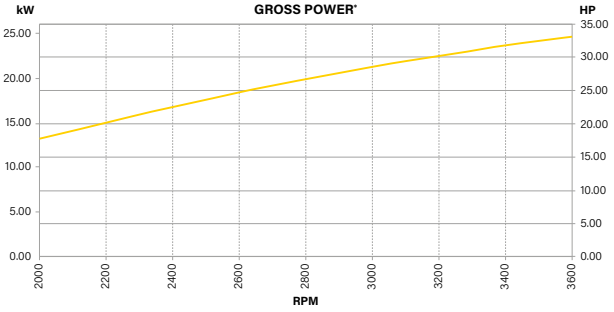
[1] All power levels are stated in gross kilowatts per SAE J1940 as rated by Briggs & Stratton.
[2] See www.vanguardpower.com for warranty details.

VANGUARD EFI/ETC 24,6 GROSS kW[1]

EFI ETC ELECTRONIC THROTTLE CONTROL

3 YEAR COMMERCIAL LIMITED WARRANTY [2]

Engine Type	V-Twin, 4-stroke, air cooled, OHV (Overhead Valve)
Model Number	61A1
Gross Power kW (HP) @ 3 600 rpm	24,6[1] (33,0)
Displacement (cc)	993
Cylinder	Cast iron sleeve
Bore & Stroke (mm)	85,5 x 86,5
Fuel Tank Capacity (l)	NA
Oil Capacity (l)	2,3
Dry Weight (kg)	56,7
Dimensions L x W x H (mm)	379 x 496 x 725
Features	EFI/ETC, cyclonic air cleaner, full pressure lubrication, oil filter, CAN J1939 communication, OEM selectable speed
Optional	Muffler, flat panel air cleaner

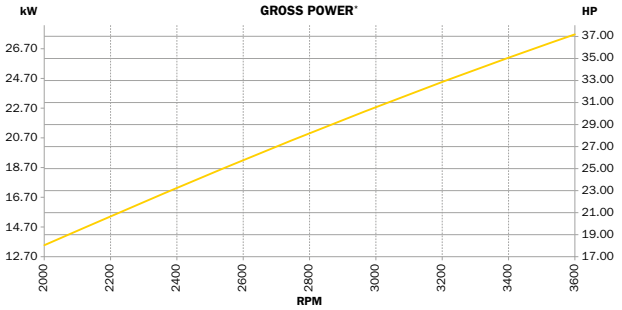


[1] All power levels are stated in gross kilowatts per SAE J1940 as rated by Briggs & Stratton.

[2] See www.vanguardpower.com for warranty details.

VANGUARD EFI/ETC 27,6 GROSS kW[1]

Engine Type	V-Twin, 4-stroke, air cooled, OHV (Overhead Valve)
Model Number	61A2
Gross Power kW (HP) @ 3 600 rpm	27,6[1] (37,0)
Displacement (cc)	993
Cylinder	Cast iron sleeve
Bore & Stroke (mm)	85,5 x 86,5
Fuel Tank Capacity (l)	NA
Oil Capacity (l)	2,3
Dry Weight (kg)	56,7
Dimensions L x W x H (mm)	379 x 496 x 725
Features	EFI/ETC, cyclonic air cleaner, full pressure lubrication, oil filter, CAN J1939 communication, OEM selectable speed
Optional	Muffler, flat panel air cleaner

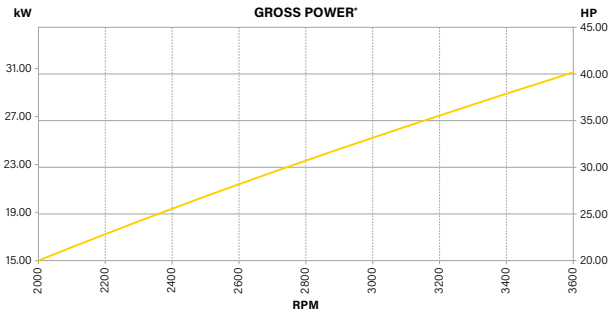


[1] All power levels are stated in gross kilowatts per SAE J1940 as rated by Briggs & Stratton.

[2] See www.vanguardpower.com for warranty details.

VANGUARD EFI/ETC 29,9 GROSS kW[1]

Engine Type	V-Twin, 4-stroke, air cooled, OHV (Overhead Valve)
Model Number	61G2
Gross Power kW (HP) @ 3 600 rpm	29,9[1] (40,0)
Displacement (cc)	993
Cylinder	Cast iron sleeve
Bore & Stroke (mm)	85,5 x 86,5
Fuel Tank Capacity (l)	NA
Oil Capacity (l)	2,3
Dry Weight (kg)	56,7
Dimensions L x W x H (mm)	379 x 496 x 725
Features	EFI/ETC, cyclonic air cleaner, full pressure lubrication, oil filter, CAN J1939 communication, OEM selectable speed[†]
Optional	Muffler, flat panel air cleaner



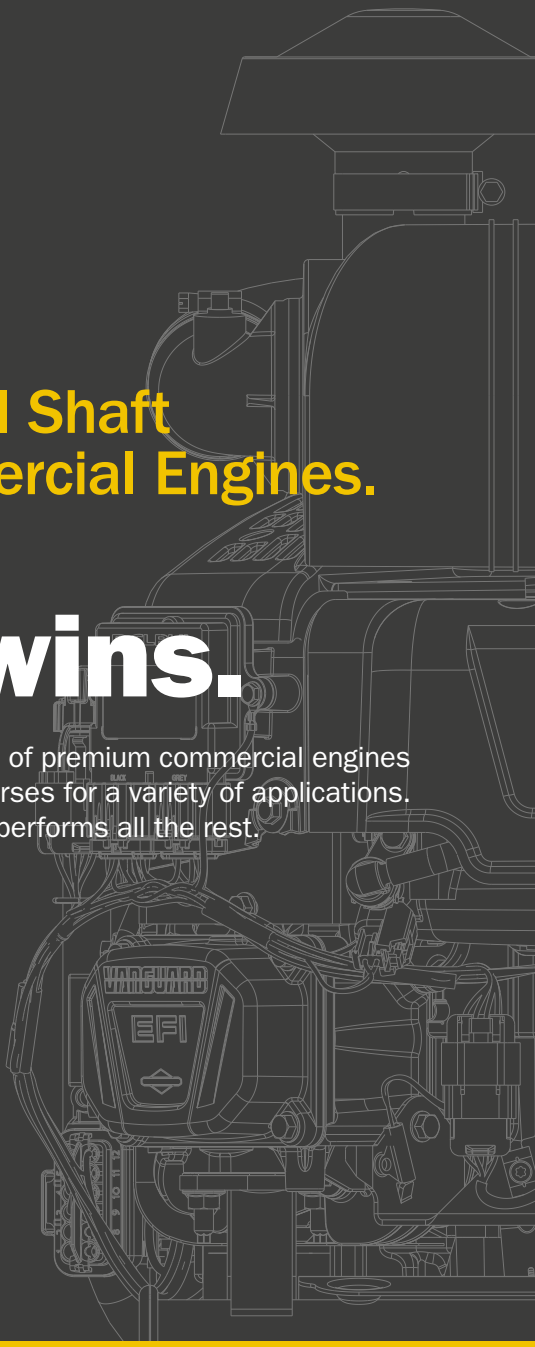
[1] All power levels are stated in gross kilowatts per SAE J1940 as rated by Briggs & Stratton.

[2] See www.vanguardpower.com for warranty details.

Vertical Shaft Commercial Engines.

V-Twins.

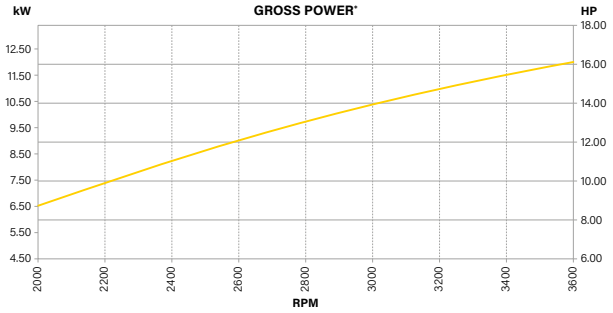
The robust line of premium commercial engines are the workhorses for a variety of applications. Power that outperforms all the rest.



VANGUARD 11,9 GROSS kW[1]

3 YEAR COMMERCIAL LIMITED WARRANTY [2]

Engine Type	V-Twin, 4-stroke, air cooled, OHV (Overhead Valve)
Model Number	3057
Gross Power kW (HP) @ 3 600 rpm	11,9[1] (16,0)
Displacement (cc)	479
Cylinder	Cast iron sleeve
Bore & Stroke (mm)	68,0 x 66,0
Fuel Tank Capacity (l)	NA
Oil Capacity (l)	1,42
Dry Weight (kg)	32,4
Dimensions L x W x H (mm)	434 x 409 x 307
Features	Oil filter, full pressure lubrication
Optional	Rewind start

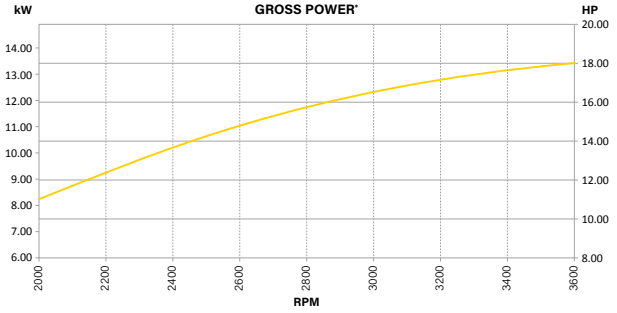


[1] All power levels are stated in gross kilowatts per SAE J1940 as rated by Briggs & Stratton.
[2] See www.vanguardpower.com for warranty details.

VANGUARD 13,4 GROSS kW[1]

3 YEAR COMMERCIAL LIMITED WARRANTY [2]

Engine Type	V-Twin, 4-stroke, air cooled, OHV (Overhead Valve)
Model Number	3567
Gross Power kW (HP) @ 3 600 rpm	13,4[1] (18,0)
Displacement (cc)	570
Cylinder	Cast iron sleeve
Bore & Stroke (mm)	72,0 x 70,0
Fuel Tank Capacity (l)	NA
Oil Capacity (l)	1,42
Dry Weight (kg)	33,3
Dimensions L x W x H (mm)	434 x 409 x 345
Features	Oil filter, full pressure lubrication
Optional	Rewind start, Electronic Fuel Management (EFM)

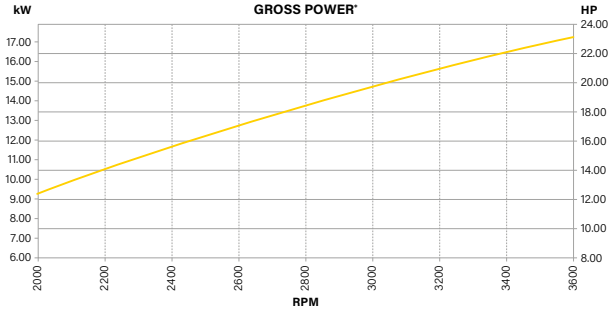


[1] All power levels are stated in gross kilowatts per SAE J1940 as rated by Briggs & Stratton.
[2] See www.vanguardpower.com for warranty details.

VANGUARD 17,2 GROSS kW[1]

3 YEAR COMMERCIAL LIMITED WARRANTY [2]

Engine Type	V-Twin, 4-stroke, air cooled, OHV (Overhead Valve)
Model Number	3867
Gross Power kW (HP) @ 3 600 rpm	17,2[1] (23,0)
Displacement (cc)	627
Cylinder	Cast iron sleeve
Bore & Stroke (mm)	75,5 x 70,0
Fuel Tank Capacity (l)	NA
Oil Capacity (l)	1,42
Dry Weight (kg)	35,0
Dimensions L x W x H (mm)	449 x 409 x 345
Features	Oil filter, full pressure lubrication
Optional	Rewind start



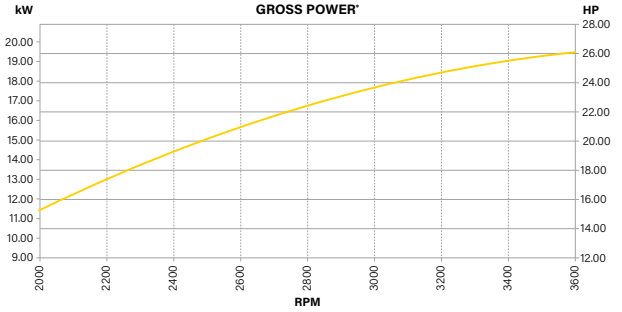
[1] All power levels are stated in gross kilowatts per SAE J1940 as rated by Briggs & Stratton.
[2] See www.vanguardpower.com for warranty details.

VANGUARD 19,4 GROSS kW[1]

Optional Feature

[2]

Engine Type	V-Twin, 4-stroke, air cooled, OHV (Overhead Valve)
Model Number	49R9
Gross Power kW (HP) @ 3 600 rpm	19,4[1] (26,0)
Displacement (cc)	810
Cylinder	Cast iron sleeve
Bore & Stroke (mm)	83,8 x 73,4
Fuel Tank Capacity (l)	NA
Oil Capacity (l)	1,98
Dry Weight (kg)	41,7
Dimensions L x W x H (mm)	505 x 462 x 582
Features	Oil filter, full pressure lubrication, cyclonic air cleaner
Optional	Oil Guard System



[1] All power levels are stated in gross kilowatts per SAE J1940 as rated by Briggs & Stratton.

[2] See www.vanguardpower.com for warranty details.

VANGUARD EFI 20,9 GROSS kW[1]

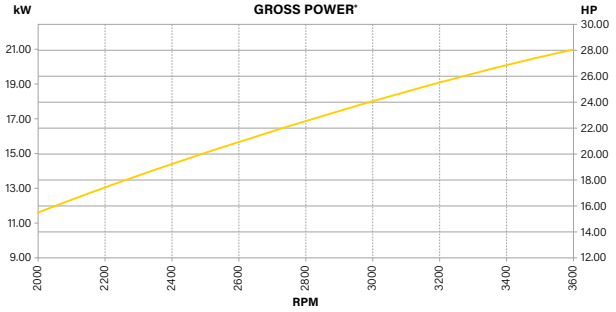
OLGUARD SYSTEM

Optional Feature

EFI ELECTRONIC FUEL INJECTION

3 YEAR COMMERCIAL LIMITED WARRANTY [2]

Engine Type	V-Twin, 4-stroke, air cooled, OHV (Overhead Valve)
Model Number	49E8
Gross Power kW (HP) @ 3 600 rpm	20,9[1] (28,0)
Displacement (cc)	810
Cylinder	Cast iron sleeve
Bore & Stroke (mm)	83,8 x 73,4
Fuel Tank Capacity (l)	NA
Oil Capacity (l)	1,98
Dry Weight (kg)	41,7
Dimensions L x W x H (mm)	505 x 462 x 582
Features	EFI, oil filter, full pressure lubrication, cyclonic air cleaner
Optional	Oil Guard System, flat panel air cleaner, integrated air cooler



[1] All power levels are stated in gross kilowatts per SAE J1940 as rated by Briggs & Stratton.

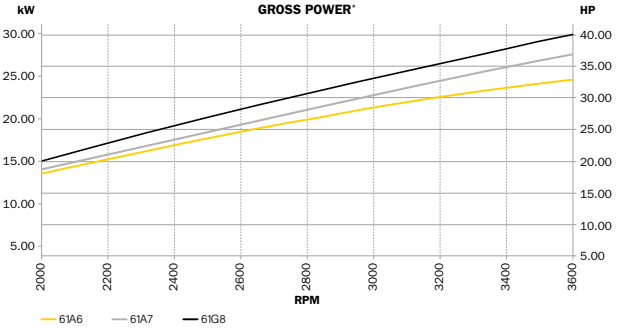
[2] See www.vanguardpower.com for warranty details.

VANGUARD 24,6 - 29,9 GROSS kW[1]

Optional Feature

[2]

Engine Type	V-Twin, 4-stroke, air cooled, OHV (Overhead Valve)		
Model Number	61A6	61A7	61G8
Gross Power kW (HP) @ 3 600 rpm	24,6[1] (33,0)	27,6[1] (37,0)	29,9[1] (40,0)
Displacement (cc)	993		
Cylinder	Cast iron sleeve		
Bore & Stroke (mm)	85,5 x 86,5		
Fuel Tank Capacity (l)	NA		
Oil Capacity (l)	2,3		
Dry Weight (kg)	56,7		
Dimensions L x W x H (mm)	379 x 496 x 725		
Features	Oil filter, full pressure lubrication, cyclonic air cleaner		
Optional	Oil Guard System		



[1] All power levels are stated in gross kilowatts per SAE J1940 as rated by Briggs & Stratton.

[2] See www.vanguardpower.com for warranty details.

Features Key:
- – Not available
- s Standard
- o Optional

Model Number	Nominal Voltage (V)	Discharge Cut Off Voltage (V)	Nominal Capacity / Energy (Ah / kWh)	Weight (Kg)	Durability (cycles) at 80% Capacity Retention	Charge Time 1050W (hrs)	Charge Time 1425W (hrs)	Charge Time 3000W (hrs)	Dimensions (mm) L x W x H	Battery Management System (BMS)	CANbus J1939 Communication	Plug-in Ready Charging System	Aluminum Diecast Enclosure	Parallel Capable
Vanguard Commercial Battery Packs														
Vanguard 48V 1,5kWh Swappable Battery Pack - Si1,5	80105739	51,4	42	28,4 / 1,5	11,8	1000	–	1,25	–	258 x 136 x 425	s	s	s	s	Yes
Vanguard 48V 1,5kWh Fixed Battery Pack - Fi1,5	80113908	51,4	42	28,4 / 1,5	11,8	1000	–	1,25	–	256 x 131 x 371	s	s	s	s	Yes
Vanguard 24V 3,5kWh Fixed Battery Pack - Fi3,5	80127410	25,8	17,5	135,9 / 3,5	26,3	2000	6	5	4	482 x 272 x 266	s	s	s	s	Yes
Vanguard 48V 3,5kWh Fixed Battery Pack - Fi3,5	80110583	51,6	35	67,5 / 3,5	26,3	2000	4	3	2	482 x 272 x 266	s	s	s	s	Yes
Vanguard 48V 5,0kWh Fixed Battery Pack - Fi5,0	80112254	51,6	35	98,7 / 5,1	39	2000	5,5	4	2,5	597 x 266 x 362	s	s	s	s	Yes
Vanguard 48V 7,0kWh Fixed Battery Pack - Fi7,0 (long)	80104774	51,6	35	135,9 / 7,0	47,6	2000	8	4	–	877 x 281 x 262	s	s	s	s	Yes
Vanguard 48V 7,0kWh Fixed Battery Pack - Fi7,0 (tall)	80112214	51,6	35	135,9 / 7,0	46,3	2000	8	4	–	597 x 266 x 362	s	s	s	s	Yes

Total energy measured using a 0,2C discharge per IEC 61960-3:2017.

Download the e-version of the 2026 Vanguard Power Guide or find further marketing materials on our Briggs & Stratton Marketing Portal.
www.bascomarketing.eu/vanguard

Features Key:
- – Not available
- s Standard
- o Optional

							Governor			Fuel		Air Cleaner				Starting		Ignition			Lubrication				
Model Number	Displacement (cc)	Fuel Tank (l)	Dry Weight (Kg)	Oil Capacity (l)	Dimensions (mm) L x W x H	Cast Iron Sleeve Cylinders	Mechanical Governor	Electronic Throttle Control	OEM Selectable Speed	Carburetor	Electronic Fuel Injection	Integrated Cyclonic Air Cleaner	Paper Air Cleaner (Oval) With Foam Pre-Cleaner (Dual Element)	Automotive Style Air Cleaner With Foam Pre-Cleaner (Dual Element)	Centrifugal Multi Stage Cyclonic Air Cleaner	Manual Choke	Electronic Fuel Management (EFM)	Magnetron Ignition	ECM Fired Ignition Coil	CDI Ignition	Splash Lubrication	Full Pressure Lubrication With Oil Filter	TransportGuard™	Oil Guard System	45° Inclination Package
Vanguard Horizontal Shaft Single-Cylinder Commercial Engines																									
Vanguard 160 – 3,7 Gross kW	10V3	169	3,1	17,9	0,6	274 x 366 x 361	s	s	–	–	s	–	s	–	–	–	s	–	s	–	s	–	s	–	–	0
Vanguard 200 – 4,8 Gross kW	12V3	203	3,1	17,9	0,6	289 x 375 x 361	s	s	–	–	s	–	s	–	–	–	s	–	s	–	s	–	s	–	–	0
Vanguard 300 – 7,5 Gross kW	19V3	307	4,8	32,21	0,89	330 x 439 x 447	s	s	–	–	s	–	s	–	–	–	s	–	s	–	s	–	s	–	–	0
Vanguard 400 – 10,4 Gross kW	25V3	408	5,74	35,5	0,94	363 x 455 x 460	s	s	–	–	s	–	s	–	–	–	s	–	s	–	s	–	s	–	–	0
Vanguard 400 EFI/ETC 10,4 Gross kW	25E3	408	5,99	39,5	0,94	541 x 363 x 372	s	–	s	–	–	s	s	–	–	–	–	–	–	s	–	s	–	–	–	0
Vanguard Horizontal Shaft V-Twin Commercial Engines																									
Vanguard 11,9 Gross kW	3054	479	o	32,7	1,42	279 x 410 x 438	s	s	–	–	s	–	–	–	s	–	s	–	s	–	–	–	s	–	–	–
Vanguard 13,4 Gross kW	3564	570	o	33,6	1,42	318 x 410 x 438	s	s	–	–	s	–	–	–	s	–	s	–	s	–	–	–	s	–	–	–
Vanguard 17,2 Gross kW	3864	627	o	35,0	1,42	318 x 407 x 449	s	s	–	–	s	–	–	–	s	o	s	–	s	–	–	–	s	–	–	–
Vanguard 24,6 Gross kW	6114	993	–	56,8	2,3	379 x 496 x 725	s	s	–	–	s	–	–	–	o	s	s	–	s	–	–	–	s	–	–	–
Vanguard 26,1 Gross kW	6134	993	–	56,8	2,3	379 x 496 x 725	s	s	–	–	s	–	–	–	o	s	s	–	s	–	–	–	s	–	–	–
Vanguard EFI/ETC 17,2 Gross kW	38E3	627	–	35,0	1,42	318 x 407 x 449	s	–	s	–	–	s	–	–	s	o	–	–	s	–	–	–	s	–	–	–
Vanguard EFI/ETC 24,6 Gross kW	61A1	993	–	56,7	2,3	379 x 496 x 725	s	–	s	s	–	s	–	–	o	s	–	–	–	s	–	–	s	–	–	–
Vanguard EFI/ETC 27,6 Gross kW	61A2	993	–	56,7	2,3	379 x 496 x 725	s	–	s	s	–	s	–	–	o	s	–	–	–	s	–	–	s	–	–	–
Vanguard EFI/ETC 29,9 Gross kW	61G2	993	–	56,7	2,3	379 x 496 x 725	s	–	s	s	–	s	–	–	o	s	–	–	–	s	–	–	s	–	–	–
Vanguard Vertical Shaft V-Twin Commercial Engines																									
Vanguard 11,9 Gross kW	3057	479	–	32,4	1,42	434 x 409 x 307	s	s	–	–	s	–	–	–	s	–	s	–	s	–	–	–	s	–	–	–
Vanguard 13,4 Gross kW	3567	570	–	33,3	1,42	434 x 409 x 345	s	s	–	–	s	–	–	–	s	–	s	o	s	–	–	–	s	–	–	–
Vanguard 17,2 Gross kW	3867	627	–	35,0	1,42	449 x 409 x 345	s	s	–	–	s	–	–	–	s	–	s	–	s	–	–	–	s	–	–	–
Vanguard 19,4 Gross kW	49R9	810	–	41,7	1,98	505 x 462 x 582	s	s	–	–	s	–	–	–	–	s	s	–	s	–	–	–	s	–	0[1]	–
Vanguard EFI 20,9 Gross kW	49E8	810	–	41,7	1,98	505 x 462 x 582	s	s	–	–	–	s	o	–	o	s	–	–	–	s	–	–	s	–	0[1]	–
Vanguard EFI/ETC 24,6 Gross kW	61A6	993	–	56,7	2,3	379 x 496 x 725	s	–	s	s	–	s	–	–	o	s	–	–	–	s	–	–	s	–	0	–
Vanguard EFI/ETC 27,6 Gross kW	61A7	993	–	56,7	2,3	379 x 496 x 725	s	–	s	s	–	s	–	–	o	s	–	–	–	s	–	–	s	–	0	–
Vanguard EFI/ETC 29,9 Gross kW	61G8	993	–	56,7	2,3	379 x 496 x 725	s	–	s	s	–	s	–	–	o	s	–	–	–	s	–	–	s	–	0	–

The gross power rating for individual gasoline engine models is labeled in accordance with SAE (Society of Automotive Engineers) code J1940 Small Engine Power & Torque Rating Procedure, and is rated in accordance with SAE J1995. Torque values are derived at 2600 RPM for those engines with "rpm" called out on the label and 3060 for all others; horsepower values are derived at 3600 RPM. The gross power curves can be viewed at www.BRIGGSandSTRATTON.COM. Net power values are taken with exhaust and air cleaner installed whereas gross power values are collected without these attachments. Actual gross engine power will be higher than net engine power and is affected by, among other things, ambient operating conditions and engine-to-engine variability. Given the wide array of products on which engines are placed, the gasoline engine may not develop the rated gross power when used in a given piece of power equipment. This difference is due to a variety of factors including, but not limited to, the variety of engine components (air cleaner, exhaust, charging, cooling, carburetor, fuel pump, etc.), application limitations, ambient operating conditions (temperature, humidity, altitude), and engine-to-engine variability. Due to manufacturing and capacity limitations, Briggs & Stratton may substitute an engine of higher rated power for this engine. All Vanguard engines are stated in gross kilowatt at 3 600 rpm per SAE J1940 as rated by Briggs & Stratton. [1] Oil Guard System allows 45° inclination.

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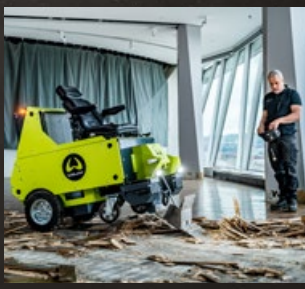

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Our commercial engine and lithium-ion battery pack warranties are backed by the Briggs & Stratton global service network.

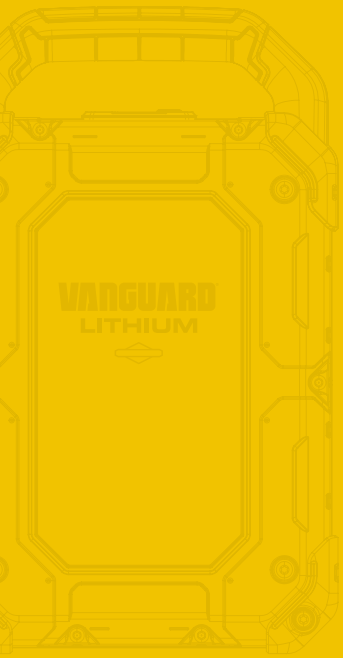
3 YEAR COMMERCIAL LIMITED WARRANTY[2]

3-year commercial warranty on engines – additional one year for selected single cylinder horizontal shaft engines.

8 YEAR COMMERCIAL LIMITED WARRANTY[2]

8-year commercial warranty on our swappable and fixed battery packs.

For more information about the limited global warranty, visit **www.vanguardpower.com**



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