

VANGUARD®



MAKE A POWER STATEMENT

Vanguard® Horizontal Shaft
V-Twin Engines

11,9 - 29,9 GROSS kW*



Versatile. Powerful.

Vanguard® V-Twin Horizontal Shaft Engines

Vanguard® V-Twin engines have been developed to perform in the most demanding commercial applications, delivering power, performance and reliability. Application-engineered to power heavy duty equipment, these engines feature a number of advanced technologies and integrated components which ensure the most efficient and durable power source for the challenges in a commercial world. Backed by an industry leading global after sales and support network, Vanguard V-Twin commercial grade engines will keep delivering the performance you can count on, around the clock.

Key Features

OVERHEAD VALVE TECHNOLOGY

- > Combustion chamber performance is optimised for enhanced fuel economy with lowered emissions.
- > Reduced fuel consumption leads to lowered operating costs.
- > CO₂ and NO_x levels are lowered thanks to improved emissions control.

ACOUSTICALLY DESIGNED MUFFLER SYSTEMS

- > Improved tonal quality and lowered noise levels allow the operator to work at safe levels for longer periods of time (Mufflers are optional).

CYCLONIC AIR-CLEANER

- > Cyclonic air cleaner provides maximum engine protection, especially under dirty and dusty conditions.
- > Flat panel air cleaner system optional.

MAGNETRON® ELECTRONIC IGNITION

- > Quick, dependable starting with no maintenance required.

OPTIMIZED CUBIC DISPLACEMENT

- > Equipment productivity is boosted with greater power and torque from the engine.

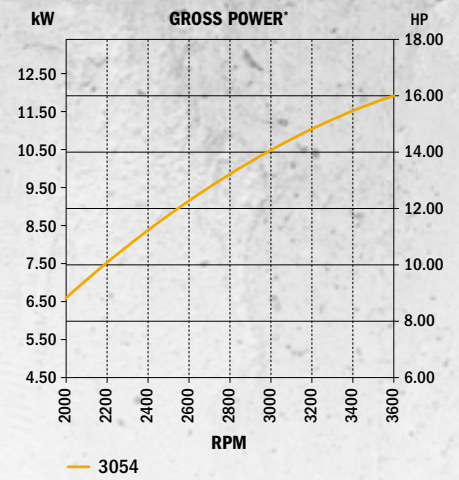
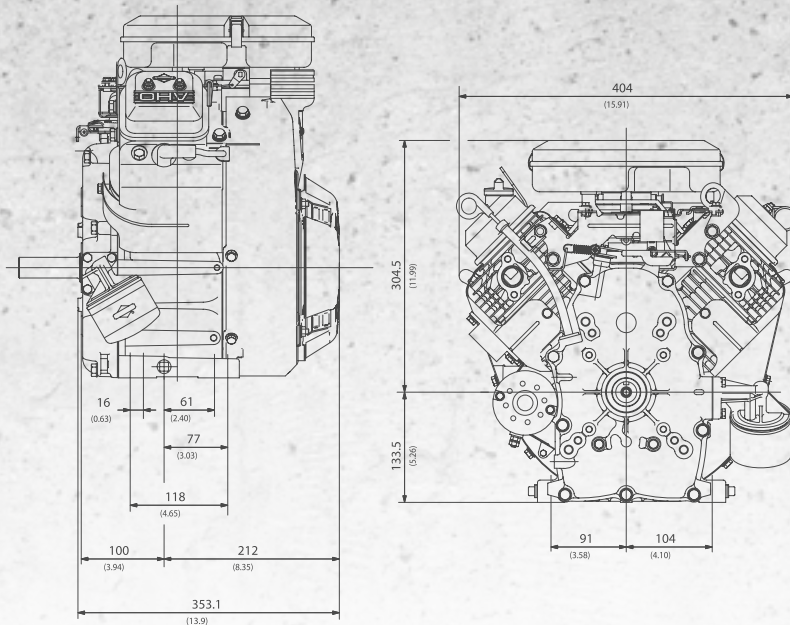
ADVANCED DEBRIS MANAGEMENT SYSTEMS

- > Debris is effectively controlled to allow for better airflow and engine cooling.
- > Overall maintenance and equipment downtime is reduced.

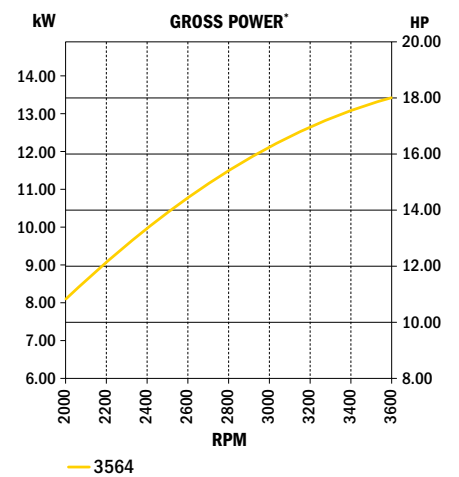
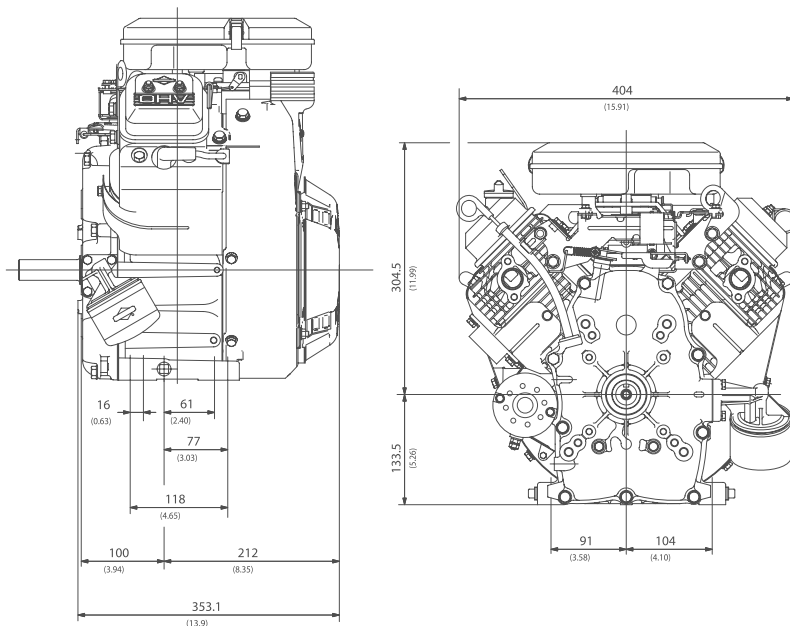


GETTING THE JOB DONE ENGINE TECHNICAL INFORMATION

VANGUARD® HORIZONTAL SHAFT V-TWIN 11,9 GROSS KW*



VANGUARD® HORIZONTAL SHAFT V-TWIN 13,4 GROSS KW*

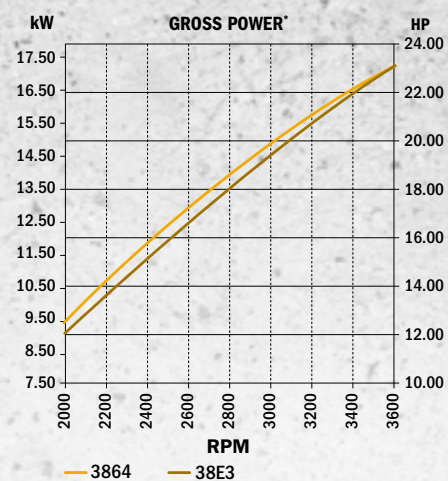
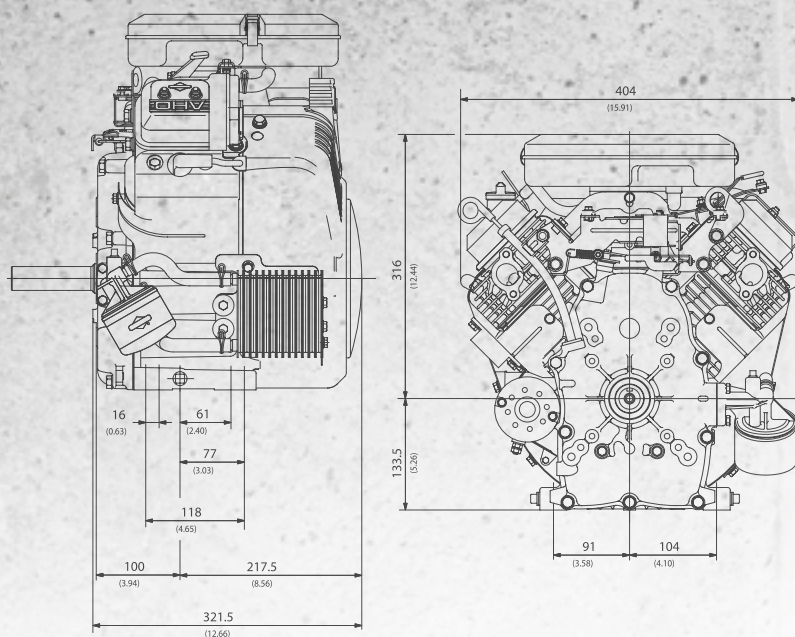


*All power levels are stated gross kW at 3'600 rpm per SAE J1940 as rated by Briggs & Stratton.
†See vanguardpower.com for warranty details.

GETTING THE JOB DONE

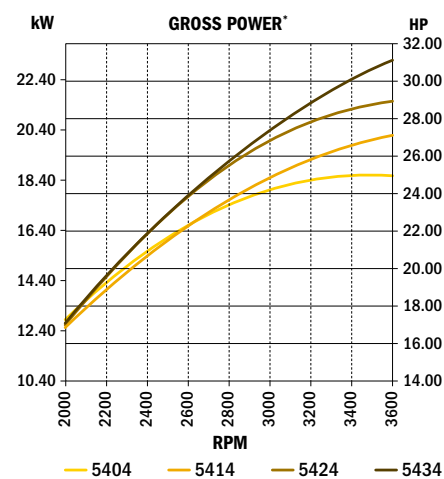
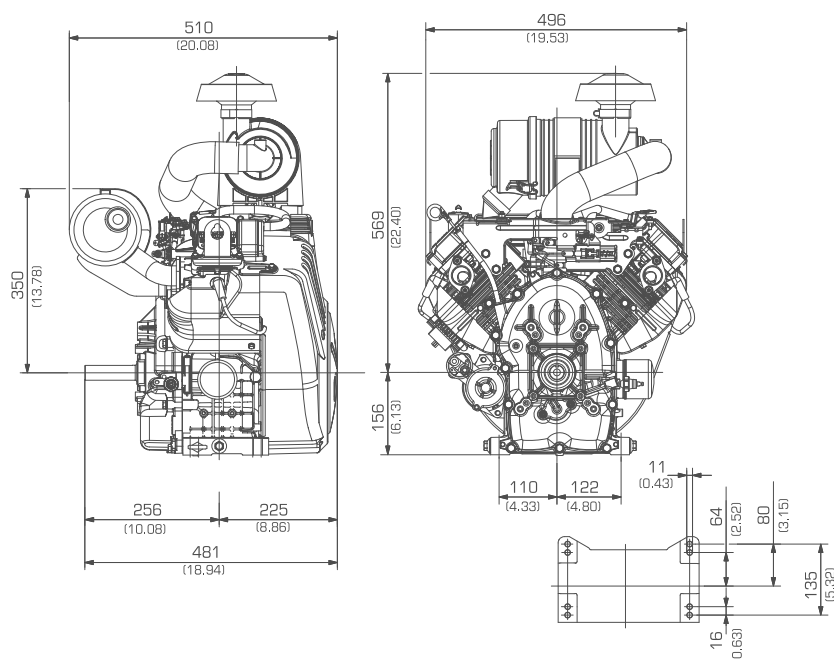
ENGINE TECHNICAL INFORMATION

VANGUARD® HORIZONTAL SHAFT V-TWIN 17,2 and 17,2 GROSS kW* EFI/ETC



Model 38E3

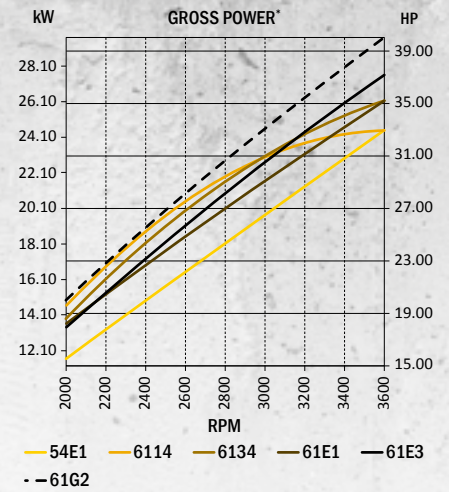
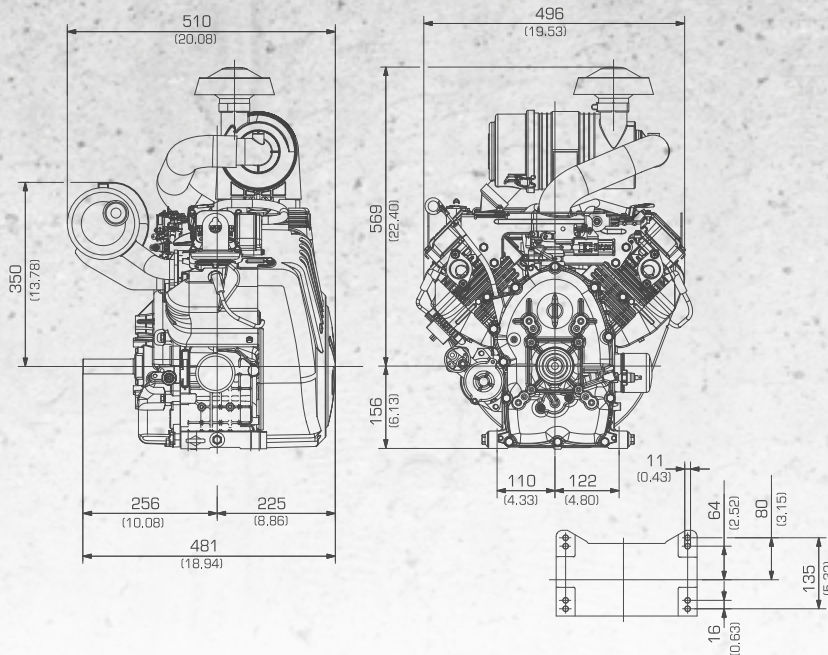
VANGUARD® HORIZONTAL SHAFT V-TWIN 18,7 - 23,1 GROSS kW*



*All power levels are stated gross kW at 3'600 rpm per SAE J1940 as rated by Briggs & Stratton.

†See vanguardpower.com for warranty details.

VANGUARD® HORIZONTAL SHAFT V-TWIN 24,6 - 26,1, 24,6 - 27,6 GROSS kW* EFI and 29,9 Gross kW* EFI / ETC



Models 54E1, 61E1 and 61E3



Model 61G2



Our Vanguard® V-Twin EFI engines feature an automotive-based, closed-loop EFI system that delivers easier starting and improved performance.

SPEED SENSING

- > Directs the right amount of fuel precisely when it's needed.

EXHAUST SENSING

- > For more accurate fuel delivery and maximum efficiency.

FUEL DELIVERY

- > Pressurises the fuel before it reaches the injectors.

Vanguard ETC technology reacts instantaneously to any applied load from its environment to ensure consistent engine speed and maintain power when the application demands it. Available in 17,2 Gross kW* (23,0 Gross HP) and 29,9 Gross kW* (40,0 Gross HP) engines.



GETTING THE JOB DONE

ENGINE TECHNICAL INFORMATION



ENGINE TYPE	V-Twin, 4-stroke, Air-cooled, OHV (Overhead Valve), Carbureted	V-Twin, 4-stroke, Air-cooled, OHV (Overhead Valve), Carbureted	V-Twin, 4-stroke, Air-cooled, OHV (Overhead Valve), Carbureted	V-Twin, 4-stroke, Air-cooled, OHV (Overhead Valve), EFI / ETC
MODEL NUMBER	3054	3564	3864	38E3
GROSS POWER kW (HP) @ 3'600 rpm	11,9* (16,0)	13,4* (18,0)	17,2* (23,0)	17,2* (23,0)
DISPLACEMENT cc	479	570	627	627
CYLINDER	Dura-Bore™ Cast Iron Cylinder Sleeve	Dura-Bore™ Cast Iron Cylinder Sleeve	Dura-Bore™ Cast Iron Cylinder Sleeve	Dura-Bore™ Cast Iron Cylinder Sleeve
BORE & STROKE mm	68,0 x 66,0	72,0 x 70,0	75,5 x 70,0	75,5 x 70,0
OIL CAPACITY ltr.	1,7	1,7	1,7	1,7
DRY WEIGHT kg	32,7	33,6	35,0	35,0
DIMENSIONS L x W x H mm	279 x 410 x 438	318 x 410 x 438	318 x 407 x 449	318 x 407 x 449
FEATURES	Oil Filter, Full Pressure Lubrication	Oil Filter, Full Pressure Lubrication	Oil Filter, Full Pressure Lubrication	Oil Filter, Full Pressure Lubrication, CAN J1939 Communications, EFI / ETC
OPTIONAL	Rewind Start, Integrated Fuel Tank, Muffler	Rewind Start, Integrated Fuel Tank, Muffler	Rewind Start, Integrated Fuel Tank, Muffler, Cyclonic Air Cleaner	Rewind Start, Muffler, Cyclonic Air Cleaner

*All power levels are stated gross kW at 3'600 rpm per SAE J1940 as rated by Briggs & Stratton.
 †See vanguardpower.com for warranty details.



V-Twin, 4-stroke, Air-cooled, OHV (Overhead Valve), Carbureted		V-Twin, 4-stroke, Air-cooled, OHV (Overhead Valve), Carbureted		V-Twin, 4-stroke, Air-cooled, OHV (Overhead Valve), Carbureted		V-Twin, 4-stroke, Air-cooled, OHV (Overhead Valve), EFI	V-Twin, 4-stroke, Air-cooled, OHV (Overhead Valve), EFI , EFI / ETC (Model 61G2)		
5404	5414	5424	5434	6114	6134	54E1	61E1	61E3	61G2
18,7* (25,0)	20,1* (27,0)	21,6* (29,0)	23,1* (31,0)	24,6* (33,0)	26,1* (35,0)	24,6* (33,0)	26,1* (35,0)	27,6* (37,0)	29,9* (40,0)
896		896		993		896	993		
Dura-Bore™ Cast Iron Cylinder Sleeve		Dura-Bore™ Cast Iron Cylinder Sleeve		Dura-Bore™ Cast Iron Cylinder Sleeve		Dura-Bore™ Cast Iron Cylinder Sleeve	Dura-Bore™ Cast Iron Cylinder Sleeve		
85,5 x 78,0		85,5 x 78,0		85,5 x 86,5		85,5 x 78,0	85,5 x 86,5		
2,3		2,3		2,3		2,3	2,3		
56,8		56,8		56,8		56,7	56,7		
379 x 496 x 725		379 x 496 x 725		379 x 496 x 725		379 x 496 x 725	379 x 496 x 725		
Oil Filter, Full Pressure Lubrication, Cyclonic Air Cleaner		Oil Filter, Full Pressure Lubrication, Cyclonic Air Cleaner		Oil Filter, Full Pressure Lubrication, Cyclonic Air Cleaner		Oil Filter, Full Pressure Lubrication, Cyclonic Air Cleaner, EFI	Oil Filter, Full Pressure Lubrication, Cyclonic Air Cleaner, EFI , EFI / ETC (only model 61G2) CAN J1939 Communications (only model 61G2)		
Muffler, Flat Panel Air Cleaner		Muffler, Flat Panel Air Cleaner		Muffler, Flat Panel Air Cleaner		Muffler, Flat Panel Air Cleaner	Muffler, Flat Panel Air Cleaner		

VANGUARD

BRIGGS & STRATTON

Wolleraustrasse 41
8807 Freienbach, Switzerland
+41 (0)55 415 1200
Copyright ©2022. All rights reserved.

WWW.VANGUARDPOWER.COM

Follow us on LinkedIn: Vanguard Power EMEA

