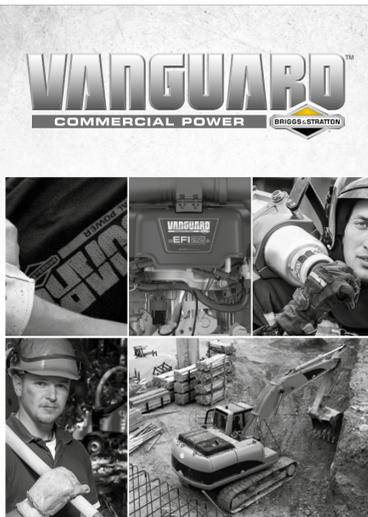


2018 Power Guide - Europe, Middle East and Africa: Performance and Commercial Engines



Premium-grade VANGUARD™ engines are designed and application engineered to meet the requirements of the most demanding commercial applications. They incorporate powerful OHV (Overhead Valve) technology for maximum performance and a number of advanced features that extend the engine life, minimize maintenance, and assures easier starts and lower noise levels.

Heavy-duty rewind and rope
Stronger forged crankshaft and cast iron camshaft
Dual ball bearings

Engines equipped with Cooler / Cleaner technology extends engine life by reducing engine and oil temperatures by 25° - 30°, while effectively managing airborne debris.

TRUST THE POWER™



EFI
ELECTRONIC FUEL INJECTION

Our VANGUARD™ V-Twin EFI engines feature a closed-loop EFI system that delivers easier starting and improved performance.

For more information about the VANGUARD V-Twin EFI engines and details of the 3-year limited global warranty visit www.VANGUARDENGINES.com

HORIZONTAL SHAFT ENGINES - PERFORMANCE

MODEL 0831
XR550 OHV

MODEL 1062
XR750 OHV

MODEL 130G
XR950 OHV

MODEL 19N1
XR1450 OHV

MODEL 25T2
XR2100 OHV

VANGUARD™ SINGLE CYLINDER ENGINES - HORIZONTAL SHAFT

NEW for 2018

MODEL 12V3
VANGUARD™ OHV
4,85 GROSS kW
AVAILABLE JANUARY 2018
Image for illustrative purposes only.

MODEL 19L1
VANGUARD™ OHV
5,97 GROSS kW

MODEL 19L2
VANGUARD™ OHV
7,46 GROSS kW

MODEL 2454
VANGUARD™ OHV
9,70 GROSS kW

VANGUARD™ V-TWIN ENGINES - HORIZONTAL SHAFT

MODEL 5434
VANGUARD™ V-TWIN OHV
23,13 GROSS kW

MODEL 6114
VANGUARD™ V-TWIN OHV
24,62 GROSS kW

MODEL 6134
VANGUARD™ V-TWIN OHV
26,11 GROSS kW

NEW for 2018

MODEL 38E3
VANGUARD™ EFI V-TWIN OHV
17,16 GROSS kW
Optional: Integrated fuel tank

MODEL 54E1
VANGUARD™ EFI V-TWIN OHV
24,62 GROSS kW

MODEL 61E3
VANGUARD™ EFI V-TWIN OHV
27,60 GROSS kW
available as 26,11 GROSS kW

VANGUARD™ V-TWIN ENGINES - LARGE VERTICAL SHAFT

MODEL 3057
VANGUARD™ V-TWIN OHV
11,94 GROSS kW
Optional: Rewind start

MODEL 3567
VANGUARD™ V-TWIN OHV
13,43 GROSS kW
Optional: Rewind start
Electronic Fuel Management (EFM)

MODEL 3867
VANGUARD™ V-TWIN OHV
17,16 GROSS kW
Optional: Rewind start
Electronic Fuel Management (EFM)

MODEL 49R9
VANGUARD™ V-TWIN OHV
19,40 GROSS kW
Optional: Oil Guard system

MODEL 49E8
VANGUARD™ EFI V-TWIN OHV
20,99 GROSS kW
available as 17,80 & 19,40 GROSS kW
Optional: Oil Guard system

VANGUARD™ SINGLE CYLINDER ENGINES - HORIZONTAL SHAFT

MODEL 13L1
VANGUARD™ OHV
4,10 GROSS kW

MODEL 13L3
VANGUARD™ OHV
4,85 GROSS kW

VANGUARD™ V-TWIN ENGINES - HORIZONTAL SHAFT

MODEL 2964
VANGUARD™ V-TWIN OHV
10,44 GROSS kW
Optional: Rewind start, integrated fuel tank

MODEL 3054
VANGUARD™ V-TWIN OHV
11,94 GROSS kW
Optional: Rewind start, integrated fuel tank

MODEL 3564
VANGUARD™ V-TWIN OHV
13,43 GROSS kW
Optional: Rewind start, integrated fuel tank,
Electronic Fuel Management (EFM)

MODEL 3854
VANGUARD™ V-TWIN OHV
15,67 GROSS kW
Optional: Rewind start, integrated fuel tank,
Electronic Fuel Management (EFM)

MODEL 3864
VANGUARD™ V-TWIN OHV
17,16 GROSS kW
Optional: Rewind start, integrated fuel tank,
Electronic Fuel Management (EFM)

MODEL 5404
VANGUARD™ V-TWIN OHV
18,65 GROSS kW

MODEL 5414
VANGUARD™ V-TWIN OHV
20,14 GROSS kW

MODEL 5424
VANGUARD™ V-TWIN OHV
21,63 GROSS kW

OILGUARD SYSTEM

Optimizing equipment productivity and reducing downtime are the most important factors for commercial users - the new Oil Guard technology exclusive to VANGUARD™ significantly reduces the time and costs associated with oil maintenance by providing enhanced oil protection resulting in extended oil life for hard working commercial engines.

VANGUARD is leading the market with the Oil Guard system, unlike typical commercial engines the oil storage has been moved away from the engine sump to a large capacity tank which reduces thermal breakdown ultimately providing improved protection for the oil. Featuring a larger 4.7 litre oil tank combined with a 82% larger filter, and improved cooling properties, ensures decreased oil aeration to deliver extended oil life which help to extend service maintenance intervals up to 500 hours.

Advanced Oil Protection & Maintenance

OIL GUARD benefits:

- Extended maintained intervals - from 100 to 500 hours
- Lower labour costs
- Engine can operate continuously at angles up to 45°
- 60% cost saving per unit per season*
- Cleaner, easier and faster oil changes
- Thermal breakdown protection
- Fewer oil changes
- 82% larger filter decreasing oil aeration
- Wider oil opening - no mess and no need for a funnel
- Longer engine life

* Refer to specific usage/operating conditions as approved by the equipment manufacturer in the operator's manual.
* Cost savings are based on standard oil maintenance with 100-hour interval versus the new Oil Guard System 500-hour service interval.

TransportGuard™

With a single flip of a switch - turn off the engine and the fuel. The innovative TransportGuard™ system is exclusive to the VANGUARD™ 4,10 - 7,46 Gross Kilowatt! single cylinder engines, ensuring trouble free equipment transportation.

By simply moving the switch, the ignition and fuel are turned off and the engine is protected against fuel flowing into the crankcase during equipment transportation. The TransportGuard system ensures reduced equipment downtime and lower maintenance costs.

* Power levels are stated gross kilowatt at 3000 rpm per SAE J1940 as rated by Briggs & Stratton.
* Power levels are stated gross kilowatt at 3000 rpm per SAE J1940 as rated by Briggs & Stratton.

Features Key:
- Not available
+ Standard
o Optional

Model Number	Displacement (cc)	Fuel Tank (l)	Dry Weight (kg)	Oil Capacity (l)	Dimensions (mm) L x W x H	Aluminum Cylinders	Cast Iron Sleeve Cylinders	Mechanical Governor	Carburetor	Electronic Fuel Injection	Integrated Cyclonic Air Cleaner	Paper Air Cleaner (Dual) With Foam Pre-Filter (Dual Element)	Oil Bath Air Cleaner	Cartridge Air Cleaner With Foam Pre-Filter (Dual Element)	Automotive Style Air Cleaner (Dual Element)	Centrifugal Multi-Stage Cyclonic Air Cleaner	Manual Choke	Electronic Fuel Management (EFM)	Magnesium Ignition	ECM Field Transistor	Spark Lubrication	Fuel Pressure Lubrication With Oil Filter	TransportGuard™ Oil Guard™	
Horizontal Shaft Engines																								
XR550	6831	127	2,0	14,0	0,6	261 x 347 x 326	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
XR750	1062	163	3,1	15,5	0,6	259 x 370 x 334	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
XR950	1300	208	3,1	16,0	0,6	321 x 376 x 346	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
XR1450	19N1	306	5,3	25,0	1,1	327 x 309 x 442	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
XR2100	25T2	420	6,6	31,0	1,1	498 x 370 x 443	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
VANGUARD™ Large Vertical / Horizontal Shaft Commercial Engines																								
VANGUARD™ Large Vertical 11,94 Gross kW	3057	479	-	32,4	1,7	429 x 404 x 330	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VANGUARD™ Large Vertical 13,43 Gross kW	3567	570	-	33,3	1,7	439 x 406 x 344	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VANGUARD™ Large Vertical 15,67 Gross kW	3867	627	-	35,0	1,7	443 x 406 x 344	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VANGUARD™ Large Vertical 17,16 Gross kW	3867	627	-	35,0	1,7	443 x 406 x 344	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VANGUARD™ Large Vertical 17,90 Gross kW	49E5	810	-	40,5	1,98	505 x 462 x 582	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VANGUARD™ Large Vertical 19,40 Gross kW	49R9	810	-	40,5	1,98	505 x 462 x 582	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VANGUARD™ Large Vertical 19,40 Gross kW	49E8	810	-	40,5	1,98	505 x 462 x 582	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VANGUARD™ Large Vertical 20,99 Gross kW	49E7	810	-	40,5	1,98	505 x 462 x 582	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VANGUARD™ Large Vertical 20,99 Gross kW	49E8	810	-	40,5	1,98	505 x 462 x 582	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VANGUARD™ Horizontal 4,10 Gross kW	13L1	205	3,3	18,7	0,6	275 x 391 x 363	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VANGUARD™ Horizontal 4,85 Gross kW	13L3	205	3,3	18,7	0,6	275 x 391 x 363	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VANGUARD™ Horizontal 4,85 Gross kW	12V3	203	3,1	TBC	0,6	256 x 375 x 361	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VANGUARD™ Horizontal 5,97 Gross kW	19L1	305	3,6	25,9	0,8	318 x 421 x 406	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VANGUARD™ Horizontal 7,46 Gross kW	19L2	305	3,6	25,9	0,8	318 x 421 x 406	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VANGUARD™ Horizontal 9,70 Gross kW	2454	392	4,7	33,2	1,4	398 x 463 x 456	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VANGUARD™ Horizontal 10,44 Gross kW	2964	479	0	32,7	1,7	279 x 410 x 438	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VANGUARD™ Horizontal 11,94 Gross kW	3054	479	0	32,7	1,7	279 x 410 x 438	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VANGUARD™ Horizontal 13,43 Gross kW	3564	570	0	33,6	1,7	318 x 410 x 438	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VANGUARD™ Horizontal 15,67 Gross kW	3854	627	0	35,0	1,7	318 x 407 x 449	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VANGUARD™ Horizontal 17,16 Gross kW	3864	627	0	35,0	1,7	318 x 407 x 449	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VANGUARD™ Horizontal 18,65 Gross kW	5404	896	-	56,8	2,3	379 x 496 x 725	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VANGUARD™ Horizontal 18,65 Gross kW	5414	896	-	56,8	2,3	379 x 496 x 725	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VANGUARD™ Horizontal 20,14 Gross kW	5424	896	-	56,8	2,3	379 x 496 x 725	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VANGUARD™ Horizontal 21,63 Gross kW	5434	896	-	56,8	2,3	379 x 496 x 725	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VANGUARD™ Horizontal 23,13 Gross kW	6114	993	-	56,8	2,3	379 x 496 x 725	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VANGUARD™ Horizontal 26,11 Gross kW	6134	993	-	56,8	2,3	379 x 496 x 725	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VANGUARD™ EFI Horizontal 17,16 Gross kW	38E3	625	0	35,0	1,7	318 x 407 x 449	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VANGUARD™ EFI Horizontal 24,62 Gross kW	54E1	896	-	56,7	2,3	379 x 496 x 725	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VANGUARD™ EFI Horizontal 26,11 Gross kW	61E1	993	-	56,7	2,3	379 x 496 x 725	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VANGUARD™ EFI Horizontal 27,60 Gross kW	61E3	993	-	56,7	2,3	379 x 496 x 725	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

VR Horizontal engines are stated gross torque at 2700 rpm per SAE J1940 as rated by Briggs & Stratton. All VANGUARD™ engines are stated gross kilowatt at 3000 rpm per SAE J1940 as rated by Briggs & Stratton.



With the right power, you can achieve anything.

YOU.POWERED.



2018 Power Guide - Europe, Middle East and Africa
Power, performance and reliability

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