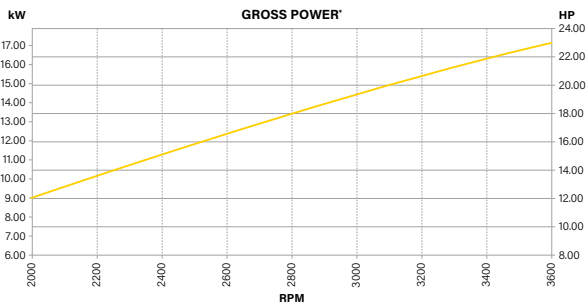




Engine Type	V-Twin, 4-stroke, air cooled, OHV (Overhead Valve)
Model number	38E3
Gross Power kW (HP) @ 3'600 rpm	17,2* (23,0)
Displacement (cc)	627
Cylinder	Cast Iron sleeve
Bore & Stroke (mm)	75,5 x 70,0
Fuel Tank Capacity (l)	NA
Oil Capacity (l)	1,7
Dry Weight (kg)	35,0
Dimensions L x W x H (mm)	318 x 407 x 449
Features	Electronic governor, oil filter, full pressure lubrication, EFI
Optional	Rewind start, muffler, cyclonic air cleaner



* All power levels are stated gross kilowatts per SAE J1940 as rated by Briggs & Stratton.

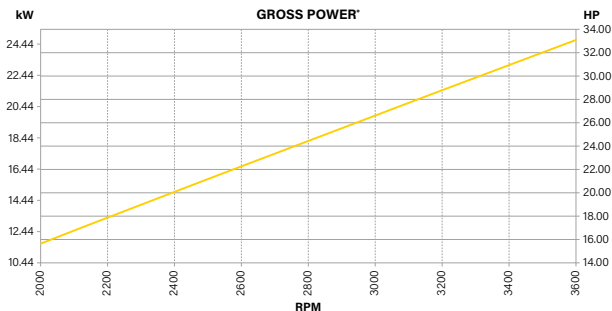
** See www.vanguardpower.com for warranty details.

COMMERCIAL · HORIZONTAL
VANGUARD® EFI 24,6 GROSS kW*



HORIZONTAL · VANGUARD® · HORIZONTAL

Engine Type	V-Twin, 4-stroke, air cooled, OHV (Overhead Valve)
Model number	54E1
Gross Power kW (HP) @ 3'600 rpm	24,6* (33,0)
Displacement (cc)	896
Cylinder	Cast Iron sleeve
Bore & Stroke (mm)	85,5 x 78,0
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, EFI
Optional	Muffler, flat panel air cleaner



* All power levels are stated gross kilowatts per SAE J1940 as rated by Briggs & Stratton.

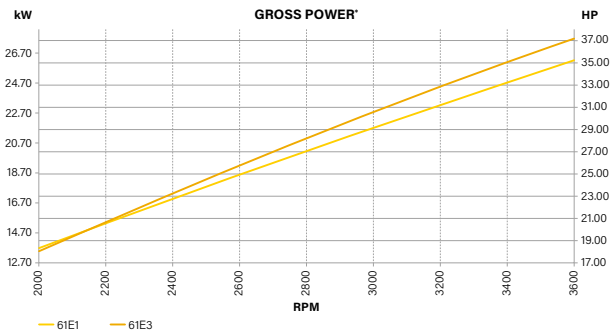
** See www.vanguardpower.com for warranty details.

HORIZONTAL · COMMERCIAL
VANGUARD® EFI 26,1 - 27,6 GROSS kW*

HORIZONTAL · VANGUARD® · HORIZONTAL



Engine type	V-Twin, 4-stroke, air cooled, OHV (Overhead Valve)	
Model number	61E1	61E3
Gross Power kW (HP) @ 3'600 rpm	26,1* (35,0)	27,6* (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	Oil filter, full pressure lubrication, cyclonic air cleaner, EFI	
Optional	Muffler, flat panel air cleaner	



* All power levels are stated gross kilowatts per SAE J1940 as rated by Briggs & Stratton.

** See www.vanguardpower.com for warranty details.

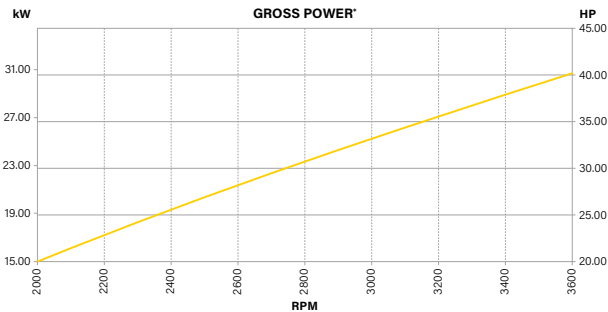
AVAILABLE FROM
OCTOBER 2020

COMMERCIAL · HORIZONTAL
NEW VANGUARD EFI / ETC 29,9 GROSS kW*



HORIZONTAL · VANGUARD® · HORIZONTAL

Engine type	V-Twin, 4-stroke, air cooled, OHV (Overhead Valve)
Model number	61G2
Gross Power kW (HP) @ 3'600 rpm	29,9* (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 (electronic throttle control), oil filter, full pressure lubrication, cyclonic air cleaner
Optional	Muffler, flat panel air cleaner

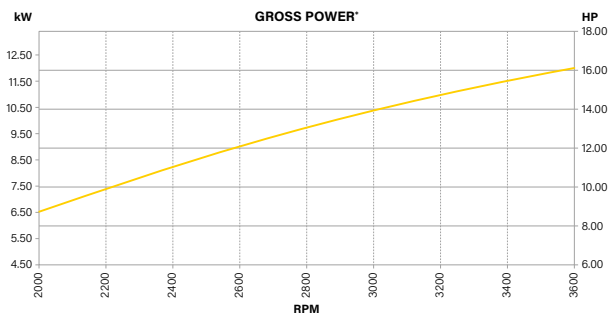


* All power levels are stated gross kilowatts per SAE J1940 as rated by Briggs & Stratton.

** See www.vanguardpower.com for warranty details.



Engine type	V-Twin, 4-stroke, air cooled, OHV (Overhead Valve)
Model number	3057
Gross power kW (HP) @ 3'600 rpm	11,9* (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)	1,7
Dry weight (kg)	32,4
Dimensions L x W x H (mm)	429 x 404 x 310
Features	Oil filter, full pressure lubrication
Optional	Rewind start

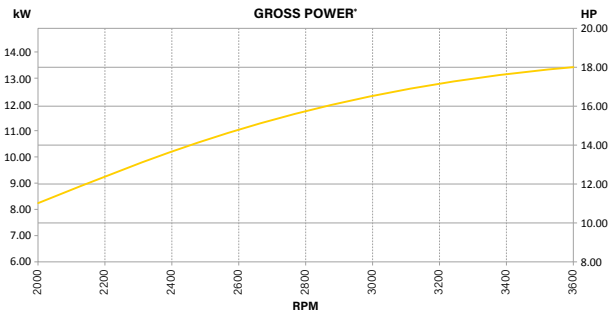


* All power levels are stated gross kilowatts per SAE J1940 as rated by Briggs & Stratton.

** See www.vanguardpower.com for warranty details.



Engine type	V-Twin, 4-stroke, air cooled, OHV (Overhead Valve)
Model number	3567
Gross power kW (HP) @ 3'600 rpm	13,4* (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)	1,7
Dry weight (kg)	33,3
Dimensions L x W x H (mm)	439 x 406 x 344
Features	Oil filter, full pressure lubrication
Optional	Rewind start, electronic fuel management (EFM)

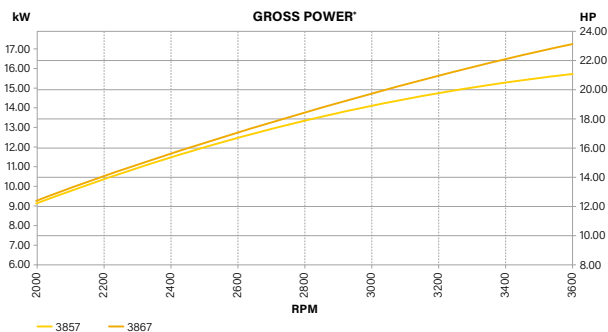


* All power levels are stated gross kilowatts per SAE J1940 as rated by Briggs & Stratton.

** See www.vanguardpower.com for warranty details.



Engine type	V-Twin, 4-stroke, air cooled, OHV (Overhead Valve)	
Model number	3857	3867
Gross power kW (HP) @ 3'600 rpm	15,7* (21,0)	17,2* (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)	1,7	
Dry weight (kg)	35,0	
Dimensions L x W x H (mm)	443 x 406 x 344	
Features	Oil filter, full pressure lubrication	



* All power levels are stated gross kilowatts per SAE J1940 as rated by Briggs & Stratton.

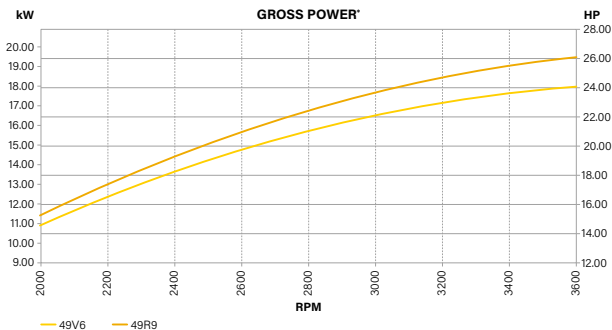
** See www.vanguardpower.com for warranty details.



Optional Feature



Engine type	V-Twin, 4-stroke, air cooled, OHV (Overhead Valve)	
Model number	49V6	49R9
Gross power kW (HP) @ 3'600 rpm	17,9* (24,0)	19,4* (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)	40,5	
Dimensions L x W x H (mm)	505 x 462 x 582	
Features	Oil filter, full pressure lubrication, cyclonic air cleaner	
Optional	Oil Guard™	



* All power levels are stated gross kilowatts per SAE J1940 as rated by Briggs & Stratton.

** See www.vanguardpower.com for warranty details.

VERTICAL · COMMERCIAL
VANGUARD® EFI 19,4 - 20,9 GROSS kW*

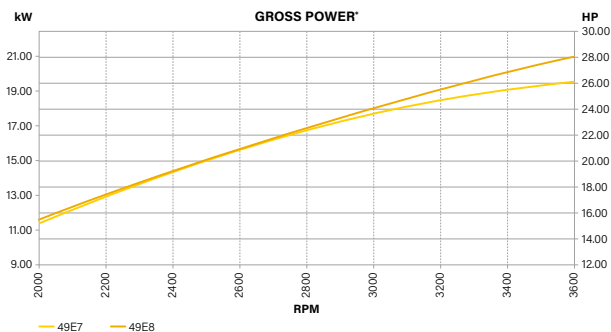
VERTICAL · VANGUARD® · VERTICAL



Optional Feature



Engine type	V-Twin, 4-stroke, air cooled, OHV (Overhead Valve)	
Model number	49E7	49E8
Gross power kW (HP) @ 3'600 rpm	19,4* (26,0)	20,9* (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)	40,5	
Dimensions L x W x H (mm)	505 x 462 x 582	
Features	Oil filter, full pressure lubrication, cyclonic air cleaner, EFI	
Optional	Oil Guard™, flat panel air cleaner, integrated air cleaner (available on model 49E8)	



* All power levels are stated gross kilowatts per SAE J1940 as rated by Briggs & Stratton.

** See www.vanguardpower.com for warranty details.

VANGUARD[®]

Commercial Battery Packs

The Next Generation
of Integrated Power.



Fully-integrated Battery System



* See www.vanguardpower.com for warranty details.

BATTERY PACKS · COMMERCIAL
NEW 5kWh COMMERCIAL BATTERY PACK

AVAILABLE FROM
FEBRUARY 2020

BATTERY PACKS · VANGUARD® · BATTERY PACKS



Battery type	48V 5kWh Lithium-Ion battery pack, integrated battery management system
Model number	80089283
Nominal Voltage (V)	50,4
Top Voltage (V)	57,4
Cut-off Voltage (V)	37,5
Capacity / Energy at Max Discharge (Ah / kWh)	90 / 4,5
Nominal Capacity / Energy (Ah / kWh)	100 / 5,0
Weight (kg)	45
Durability (cycles) at 80% capacity retention	2000
Charge time (hours)	6
Dimensions L x W x H (mm)	570 x 270 x 360
Features	Battery Management System, dual CANbus communication, plug-in ready charging system, HDPE pack enclosure, Aluminium outer shell, cast Aluminium base. Can be combined in parallel for additional capacity.



BATTERY
INC. INTEGRATED
BATTERY MANAGEMENT
SYSTEM



CONTROLLER



CHARGER

3-year warranty applies to battery, controller and charger.
* See www.vanguardpower.com for warranty details.

AVAILABLE FROM
DECEMBER 2020

COMMERCIAL · BATTERY PACK
NEW 10kWh COMMERCIAL BATTERY PACK

BATTERY PACK · VANGUARD® · BATTERY PACK



Battery type	48V 10kWh Lithium-Ion battery pack, integrated battery management system
Model number	TBC
Nominal Voltage (V)	50,4
Top Voltage (V)	57,4
Cut-off Voltage (V)	37,5
Capacity / Energy at Max Discharge (Ah / kWh)	180 / 9,0
Nominal Capacity / Energy (Ah / kWh)	200 / 10,0
Weight (kg)	90
Durability (cycles) at 80% capacity retention	2000
Charge time (hours)	12
Dimensions L x W x H (mm)	570 x 470 x 360
Features	Battery Management System, dual CANbus communication, plug-in ready charging system, HDPE pack enclosure, Aluminium outer shell, cast Aluminium base. Can be combined in parallel for additional capacity.



BATTERY
INC. INTEGRATED
BATTERY MANAGEMENT
SYSTEM



CONTROLLER



CHARGER

3-year warranty applies to battery, controller and charger.
* See www.vanguardpower.com for warranty details.

Power Ratings Disclaimer

Power Ratings: The gross power rating for individual petrol 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 2'600 rpm / 3'600 rpm; horsepower values are derived at 3'600 rpm; kilowatt values are derived at 3'600 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 petrol 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 another engine.