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14-22HP AIR-COOLED V-TWIN

Vanguard[™] Air-Cooled V-Twin Specifications

| SPECIFICATIONS: | 14 HP | 16 HP | 18 HP | 20 HP | 22 HP |
|----------------------|--|--|--|--|--|
| MODEL NUMBER: | *294400 295400 | *303400 305400 | *350400 356400 | *381400 385400 | *380400 386400 |
| NO. OF CYLINDERS: | 2 | 2 | 2 | 2 | 2 |
| BORE X STROKE: | 68 x 66mm/ 2.7 x 2.6in | 68 x 66mm/ 2.7 x 2.6in | 72 x 70mm/ 2.8 x 2.8in | 75.5 x 70mm/ 3 x 2.8in | 75.5 x 70mm/ 3 x 2.8in |
| ENGINE OIL CAPACITY: | 1.7 litres (with filter) | 1.7 litres (with filter) | 1.7 litres (with filter) | 1.7 litres (with filter) | 1.7 litres (with filter) |
| DRY WEIGHT: | 32.4kg/72lbs | 32.4kg/72lbs | 33.3kg/74lbs | 35kg/77lbs | 35kg/77lbs |
| FUEL TANK CAPACITY: | 8.5 litres/9qt | 8.5 litres/9qt | 8.5 litres/9qt | without tank | without tank |
| DIMENSIONS (LXWXH)*: | 367.5 x 404 x 438mm 14.47 x 15.91 x 17.25in | 367.5 x 404 x 438mm 14.47 x 15.91 x 17.25in | 392 x 404 x 438mm 15.43 x 15.91 x 17.25in | 400 x 406 x 438mm 15.75 x 15.98 x 17.25in | 400 x 406 x 438mm 15.75 x 15.98 x 17.25in |
| POWER: | 14hp @ 3600rpm/ 10.4kw @ 3600rpm | 16hp @ 3600rpm/ 11.9kw @ 3600rpm | 18hp @ 3600rpm/ 13.4kw @ 3600rpm | 20hp @ 3600rpm/ 14.8kw @ 3600rpm | 22hp @ 36oorpm/ 16.7kw @ 36oorpm |
| TORQUE: | 32.5Nm @ 2400rpm 23.6ft lbs @ 2400rpm | 33Nm @ 2400rpm 24.4ft lbs @ 2400rpm | 40.7Nm @ 2300rpm 30ft lbs @ 2300rpm | 42.5Nm @ 2600rpm 31.4ft lbs @ 2600rpm | 45.8Nm @ 2600rpm 32.7ft lbs @ 2600rpm |
| DISPLACEMENT: | 480 cc/29.3 cu in | 480 cc/29.3 cu in | 570 cc/34.8 cu in | 627 cc/38.3 cu in | 627 cc/38.3 cu in |
| COMPRESSION RATIO: | 8.5:1 | 8.5:1 | 8.5:1 | 8.5:1 | 8.5:1 |
| WARRANTY PERIOD: | 2 Year Commercial & Consumer Warranty | 2 Year Commercial & Consumer Warranty | 2 Year Commercial & Consumer Warranty | 2 Year Commercial & Consumer Warranty | 2 Year Commercial & Consumer Warranty |

Performance Curves











Integrated Components of Cooler/ Cleaner Technology

PERFORATED STEEL ROTATING SCREEN

Greatly improves debris management, which allows for better airflow and increased engine cooling, while requiring less maintenance.

LARGER PHASE MODULATED COOLING FAN

Generates significantly increased airflow, which reduces engine and oil temperatures by 25-30 degrees.

HIGH-FLOW, 1-1/16" DEEPER BLOWER HOUSING WITH EXPANDED REWIND STARTER OPENING

Efficiently directs more cooling air around the working areas of the engine to dramatically reduce operating temperature; effectively increases CFM from 420 to 620 at 3600 rpm.

ADDITIONAL ADVANCED FEATURES

- Removable cover provides easier access to the carburettor.
- >> Accommodates optional key switch.
- >>> Laminated poly-core blower housing reduces engine noise.







COMMERCIAL POWER Briggs & Stratton Commercial Power

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BRIGGS & STRATTON

COMMERCIAL POWER

The Vanguard[™] 14-22 horsepower range of V-Twin engines have been designed and application engineered to meet the requirements of the most demanding commercial applications.

These high performance engines have been developed and manufactured by DBS, a joint venture with Diahatsu, a member of the Toyota group, who are internationally recognised as a market leader in commercial engines.

They incorporate OHV technology and are available with Cooler/Cleaner Technology to enhance both the performance and productivity of the engines. This advanced system efficiently reduces engine and oil temperatures, while effectively managing airborne debris. This technological combination will ensure that not only the engines exceed the requirements, but do so with the minimum of maintenance.



Standard Features & Benefits

- V-Twin over head valve design ensures a cooler, cleaner, low vibration engine with superior balance delivering more power, improved fuel economy, less carbon build up and longer life.
- Pressure filtration with Spin-On Oil Filter cleans the oil, protects the engine ensuring maximum lubrication and engine life.
- Commercial quality components premium ball bearings on the PTO side and steel backed bearings on the flywheel side.
- Sound treatment package laminated poly-core blower housing, phase modulated flywheel fin spacing, acoustically contoured crankcase and lo-tone muffler providing an exceptionally quiet engine.
- Premium sintered iron cylinder sleeves give improved heat transfer, resulting in lower oil consumption and longer engine life.
- >> Replaceable full length valve guides and seals give extended valve life and lower oil consumption.
- Dual-Clean[™] air cleaner with a paper filter and foam pre-cleaner gives double protection for long engine life.
- High flow cooling package lowers engine and oil temperatures to extend engine life.
- >>> All models available with Cooler/Cleaner Technology.

* Also available in vertical shaft configuration.

AAGUARD

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14 to 22 HORSEPOWER

Performance Curves

18 HP Vanguard[™] Air-Cooled V-Twin













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VARGUARD

AIR-COOLED V-TWIN

Engine Dimensions

14 HP thru 18 HP Vanguard[™] Air-Cooled V-Twin

* 18 HP Vanguard[™] length is 392mm / 15.43in



20 HP thru 22 HP Vanguard[™] Air-Cooled V-Twin



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RTNERSHIP