

VRSCF

V-Rod Muscle®

MODEL SPECIFICATIONS¹



DIMENSIONS

Length	92.8 in. (2357 mm)
Overall Width	40.2 in. (1021 mm)
Overall Height	45.7 in. (1161 mm)
Seat Height:	
• Laden ²	25.6 in. (650 mm)
• Unladen	26.7 in. (678 mm)
Ground Clearance	4.8 in. (122 mm)
Rake <i>(steering head)</i>	34°
Fork Angle	34°
Trail	5.6 in. (142 mm)
Wheelbase	67 in. (1702 mm)
Tires <i>(Michelin® Scorcher® "11" front and rear):</i>	
• Front – Scorcher® "11"	120/70ZR-19 60W
• Rear – Scorcher® "11"	240/40R-18 79V
Fuel Capacity	5 gal. (18.9 L) <i>(warning light at approximately 0.5 gal.)</i>
Oil Capacity <i>(w/filter)</i>	5 qts. (4.7 L)
Coolant Capacity	2.5 qts. (2.4 L)
Weight:	
• As Shipped	644 lbs. (292 kg)
• In Running Order	677 lbs. (307 kg)
• Gross Vehicle Weight Rating	1075 lbs. (488 kg)
• Gross Axle Weight Rating	
• Front	377 lbs. (171 kg)
• Rear	698 lbs. (317 kg)

ENGINE

Engine	Liquid-cooled, Revolution®, 60° V-Twin
Valves	Overhead cam, 4 valves per cylinder, solid tappet with shim-under-bucket lash adjustment
Bore x Stroke	4.134 in. x 2.835 in. (105 mm x 72 mm)
Displacement	76.28 cu. in. (1250 cc)
Compression Ratio	11.5:1
Fuel System ³	Electronic Sequential Port Fuel Injection (ESPFI)
Air Cleaner	Down draft intake
Lubrication System	Wet-sump, integrated with powertrain crankcase

DRIVETRAIN

Primary Drive	Gear, 117/64 ratio
Final Drive	Belt, 72/28 ratio
Clutch	9-plate, wet, A&S (Assist & Slip)
Transmission	5-speed
Gear Ratios (overall):	U.S.
• 1st	11.752
• 2nd	7.897
• 3rd	6.322
• 4th	5.459
• 5th	4.889

CHASSIS

Frame	Steel perimeter upper frame with hydroformed main rails and bolt-on lower frame rails; MIG welded
Swingarm	Polished, one-piece cast aluminum
Front Forks	43 mm Inverted
Rear Shocks	Preload adjustable
Wheels ⁴ :	Black, 5-Spoke Cast Aluminum
• Front	19 in. x 3 in. (483 mm x 76 mm)
• Rear	18 in. x 8 in. (457 mm x 203 mm)
Brakes:	
• Caliper Type	4-piston front and rear
• Rotor Type <i>(diameter x width):</i>	Patented, one-piece floating rotor <i>(front)</i> , uniform expansion rotor <i>(rear)</i>
• Front <i>(dual)</i>	11.81 in. x .2 in. (300 mm x 5.1 mm)
• Rear	11.81 in. x .28 in. (300 mm x 7.1 mm)
• Anti-lock Braking System	Optional
Suspension Travel:	
• Front Wheel	4 in. (102 mm)
• Rear Wheel	2.9 in. (74 mm)

PERFORMANCE

Engine Torque ⁵ <i>(per J1349):</i>	
• North America	87 ft. lbs. @ 6750 RPM (118 Nm @ 6750 RPM)
Lean Angle <i>(per J1168):</i>	
• Right	32°
• Left	32°
Fuel Economy ⁶ <i>(EPA urban/highway test)</i>	37 mpg (6.3 L/100 km)

ELECTRIC

Battery <i>(per Battery Council International Rating)</i>	Sealed, maintenance-free, 12V, 19-amp/hour, 270 cca
Charging	Three-phase, 38-amp system <i>(439W @ 13V, 2000 RPM, 489W max power @ 13V)</i>
Starting	0.08 kW electric with direct drive starter motor engagement
Lights <i>(as per country regulation):</i>	
• Headlamp <i>(quartz halogen)</i>	55-watt low beam, 65-watt high beam
• Lights, Turn Signal	Integrated LED
• Rear Tail/Stop/Turn Signal Lights	Integrated Dual Color LED
• Indicator Lamps	High beam, neutral, low oil pressure, turn signals, engine diagnostics, security system ⁷ <i>(optional)</i> , coolant temperature, low fuel warnings

WARRANTY

Warranty ⁸	24 months <i>(unlimited mileage)</i>
Service Interval ⁹	First 1000 miles (1600 km), every 5000 miles (8000 km) thereafter

¹ Vehicles depicted may differ from vehicles manufactured and delivered. Specifications and prices listed may differ from specifications and prices of vehicles manufactured and delivered. All product descriptions (including depictions, specifications, dimensions, measurements, ratings and competitive comparisons) are based on available information at the time of publication. Although such descriptions are believed correct, errors and changes can occur and complete accuracy cannot be guaranteed. Harley-Davidson may make changes at any time to prices and specifications, and may change or discontinue models, without notice and without incurring any obligation. Attention: Vehicles in the configurations shown and many of the accessories described in this catalog may not be available for sale or use in some locations. Please check with your dealer for complete product details and the latest information. All models feature 6-speed transmission (V-Rod® models and Sportster® models are 5-speed) and carbon fiber belt final drive; multi-plate clutch with diaphragm spring in oil bath; and 2-year unlimited mileage warranty.

² Measurement reflects **180 lb.** (81.7 kg) operator weight.

³ Recommended 91 octane or higher fuel (R+M)/2.

⁴ Standard and optional wheels may vary by country and region.

⁵ Values shown are nominal. Performance may vary by country and region.

⁶ The combined fuel economy numbers were derived using a combination of estimated city and highway values. Fuel economy estimates are derived from US EPA exhaust emission certification data on a sample motorcycle from the corresponding family under ideal laboratory conditions. Your actual fuel economy will vary depending on your personal riding habits, road and driving conditions, vehicle condition and maintenance, tire pressure, vehicle configuration (parts and accessories), and vehicle loading (cargo, rider and passenger weight). Break-in mileage may vary.

⁷ North America security system includes immobilizer; outside North America the security system includes immobilizer and siren.

⁸ See motorcycle owner's manual for complete details.

⁹ Inspections of certain systems and components are required at 2,500 mile (4,000 km) intervals. See Owner's Manual for full details.