

V-ROD MUSCLE®

VRSCF

Menacing Look, High Torque and Brute Power



Model shown in HDI configuration.

The vehicle models, configurations, options, and accessories pictured or otherwise described in this reference guide may not be available in all countries.



Markets: AUS, BRZ, MEX, ENG, HDI, JPN

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MODEL OVERVIEW



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A brawny bruiser with off-the-line power, the V-Rod Muscle® motorcycle is built for riders who want a little extra beef with their horsepower. It offers big, meaty air scoops, muscle-bound mufflers, 240 mm rear tire, and the powerful 1247 cc liquid-cooled Revolution® engine.

NEW IN 2016

- Paint color options

MODEL UNIQUE FEATURES

Style

- Platinum powertrain with polished covers
- Satin chrome, dual side exhaust system with turnouts
- Black, 5-Spoke Cast Aluminum wheels with Machined Highlights
- Wide, angular airbox cover with unique airbox side covers
- Integrated front and rear turn signals
- Unique, fastback-style tail section
- Blacked-out frame
- Chopped rear fender
- Inverted forks
- Stylized rear shocks
- Integrated LED stop/turn/tail lights
- Side-mounted license plate
- Satin chrome headlamp mount
- Satin black headlamp bucket
- 240 mm rear tire

Fit

- Aggressive, power cruising riding position with drag bar and forward-mounted rider footpegs and controls
- Standard passenger footpegs
- Unique seat design with integrated rider backpad and passenger pillion
- Low 705 mm seat height

MODEL UNIQUE FEATURES *(continued)*

Function

- Electronic speedometer with odometer, time-of-day clock on odometer, dual tripmeter, fuel gauge with low fuel warning light and countdown feature, low oil pressure indicator light, engine diagnostics readout, LED indicator lights, tachometer
- Hazard warning integrated into self-canceling turn signal controls
- Start, engine cutoff, left/right turn signals, horn, hi/low beam hand controls
- Electric power accessory connector under seat
- Barrel key frame-mounted ignition; fork lock common with ignition key
- Michelin® Scorcher® tires

Performance

- Rubber-mounted, liquid-cooled, 1247 cc Revolution® engine
- Electronic Sequential Port Fuel Injection (ESPFI) with heated O2 sensors
- 89kW @ 8250 RPM; 115 Nm @ 6500 RPM
- Inverted front forks
- Dual front Brembo® disc brakes
- Anti-lock Braking System (ABS)¹, standard

¹ Harley-Davidson's independent Anti-lock Braking System is designed to help you maintain control during braking events, especially those that happen in less than optimum conditions. Engineering and styling worked together to make sure the system is not only designed and carefully tested to work superbly, but that it is also engineered not to interfere with style. ABS is standard on all 2016 V-Rod® motorcycles.

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MODEL SPECIFICATIONS¹



Specifications apply to all available markets unless noted.

DIMENSIONS	
Length	2410 mm (94.9 in.)
Overall Width	950 mm (37.4 in.)
Overall Height	1065 mm (41.9 in.)
Seat Height <i>(unladen)</i>	705 mm (27.8 in.)
Ground Clearance	105 mm (4.1 in.)
Rake <i>(steering head)</i>	34°
Fork Angle	34°
Trail	142 mm (5.6 in.)
Wheelbase	1700 mm (67 in.)
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	18.9 L (5 gal.) <i>(warning light at approximately 1.9 L)</i>
Oil Capacity <i>(w/filter)</i>	4.7 L (5 qts.)
Coolant Capacity	2.4 L (2.5 qts.)
Weight:	
• As Shipped	292 kg (644 lbs.)
• In Running Order	307 kg (677 lbs.)
• Gross Vehicle Weight Rating	488 kg (1075 lbs.)
• Gross Axle Weight Rating	
• Front	171 kg (377 lbs.)
• Rear	317 kg (698 lbs.)
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	105 mm x 72 mm (4.13 in. x 2.835 in.)
Displacement	1247 cc (76.1 cu. in.)
Compression Ratio	11.5:1
Fuel System²	Electronic Sequential Port Fuel Injection (ESPFI)
Air Cleaner	Down draft intake
Lubrication System	Wet-sump, integrated with powertrain crankcase

DRIVETRAIN	
Primary Drive	Gear, 64/117 ratio
Final Drive	Belt, 30/72 ratio
Clutch	9-plate, wet, Assist & Slip
Transmission	5-speed
Gear Ratios (overall):	
• 1st	10.969
• 2nd	7.371
• 3rd	5.9
• 4th	5.095
• 5th	4.563

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
Wheels³:	
• 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	Patented, one-piece floating rotor <i>(front)</i> , uniform expansion rotor <i>(rear)</i>
<i>(diameter x width):</i>	
• Front <i>(dual)</i>	300 mm x 5.1 mm (11.81 in. x 0.2 in.)
• Rear	300 mm x 7.1 mm (11.81 in. x 0.28 in.)
• Anti-lock Braking System	Standard

Suspension Travel:	
• Front Wheel	102 mm (4 in.)
• Rear Wheel	74 mm (2.9 in.)

PERFORMANCE	
Engine Torque⁴:	
• HDI <i>(per EEC/95/1)</i>	115 Nm (84.8 ft-lb) @ 6500 RPM
Lean Angle <i>(per J1168):</i>	
• Right	32°
• Left	32°
Fuel Economy⁵ <i>(EPA urban/highway test)</i>	6.3 L/100 km (37 mpg)

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	0.8 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
• Front Signal Lights	Integrated LED
• Indicator Lamps	High beam, neutral, low oil pressure, turn signals, engine diagnostics, security system⁶ <i>(optional)</i> , coolant temperature, low fuel warnings

WARRANTY	
Warranty	24 months <i>(unlimited mileage)</i>
Service Interval⁷	First 1600 km (1000 miles), every 8000 km (5000 miles) 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 Recommended 91 octane or higher fuel (R+M)/2.

³ Standard and optional wheels may vary by country and region.

⁴ Values shown are nominal. Performance may vary by country and region.

⁵ 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.

⁶ North America security system includes immobilizer; outside North America the security system includes immobilizer and siren.

⁷ Inspections of certain systems and components are required at 4000 km (2500 mile) intervals. See Owner's Manual for full details.

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COLORS/CALLOUTS



SOLIDS

- Vivid Black
- Black Denim
- NEW** Billet Silver with Flames

TWO-TONES

- NEW** Crushed Ice Pearl Deluxe with Two-tone panel graphic
- NEW** Velocity Red Sunglo with Flames *(shown)*

* Availability of colors may vary from dealer to dealer, and is subject to change without notice.

Model shown in Domestic configuration.



Aggressive power cruising riding position with forward controls and drag bar

Unique seat design with low seat height

Unique, fastback-style tail section with integrated LED stop/turn/tail lights

Wide, angular airbox with side covers

Anti-lock Braking System, standard

Black 5-Spoke Cast Aluminum wheels with Machined highlights

Satin chrome, dual side exhaust with turnouts

Liquid-cooled 1250 cc Revolution® engine