

# V-ROD MUSCLE<sup>®</sup>

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

# V-ROD MUSCLE®

VRSCF

## MODEL OVERVIEW



### MODEL OVERVIEW

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 1250 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, 1250 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)<sup>1</sup>, standard

<sup>1</sup> 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.

# V-ROD MUSCLE®

VRSCF

## MODEL SPECIFICATIONS¹



Specifications apply to all available markets unless noted.

DIMENSIONS	
Length	<b>2410 mm</b> (94.9 in.)
Overall Width	<b>950 mm</b> (37.4 in.)
Overall Height	<b>1065 mm</b> (41.9 in.)
Seat Height <i>(unladen)</i>	<b>705 mm</b> (27.8 in.)
Ground Clearance	<b>105 mm</b> (4.1 in.)
Rake <i>(steering head)</i>	34°
Fork Angle	34°
Trail	<b>142 mm</b> (5.6 in.)
Wheelbase	<b>1700 mm</b> (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	<b>18.9 L</b> (5 gal.)
<i>(warning light at approximately 1.9 L)</i>	
Oil Capacity <i>(w/filter)</i>	<b>4.7 L</b> (5 qts.)
Coolant Capacity	<b>2.4 L</b> (2.5 qts.)
Weight:	
• As Shipped <b>292 kg</b> (644 lbs.), <b>290 kg</b> (640 lbs.) <i>(MEX)</i>	
• In Running Order <b>307 kg</b> (677 lbs.), <b>305 kg</b> (673 lbs.) <i>(MEX)</i>	
• Gross Vehicle Weight Rating <b>488 kg</b> (1075 lbs.)	
• Gross Axle Weight Rating	
• Front <b>171 kg</b> (377 lbs.)	
• Rear <b>317 kg</b> (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	<b>105 mm x 72 mm</b> (4.13 in. x 2.835 in.)
Displacement	<b>1247 cc</b> (76.1 cu. in.), <b>1246 cc</b> (76.1 cu. in.) <i>(JPN)</i>
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
• MEX	Belt, 28/72 ratio
Clutch	9-plate, wet, Assist & Slip
Transmission	5-speed
Gear Ratios (overall):	
• 1st	<b>10.969</b> MEX 11.752
• 2nd	<b>7.371</b> 7.897
• 3rd	<b>5.9</b> 6.322
• 4th	<b>5.095</b> 5.459
• 5th	<b>4.563</b> 4.899
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:	
• Front <b>19 in. x 3 in.</b> (483 mm x 76 mm)	
• Rear <b>18 in. x 8 in.</b> (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> <b>300 mm x 5.1 mm</b> (11.81 in. x 0.2 in.)	
• Rear <b>300 mm x 7.1 mm</b> (11.81 in. x 0.28 in.)	
• Anti-lock Braking System Standard	
Optional <i>(MEX)</i>	
Suspension Travel:	
• Front Wheel <b>102 mm</b> (4 in.)	
• Rear Wheel <b>74 mm</b> (2.9 in.)	
PERFORMANCE	
Engine Torque:	
• HDI <i>(per EEC/95/1)</i> <b>115 Nm</b> (84.8 ft-lb) @ <b>6500 RPM</b>	
• BRZ <i>(per EEC/95/1)</i> <b>117 Nm</b> (86.3 ft-lb) @ <b>6500 RPM</b>	
• MEX <i>(per J1349)</i> <b>118 Nm</b> (87 ft-lb) @ <b>6750 RPM</b>	
• JPN <i>(per EEC/95/1)</i> <b>110 Nm</b> (81.1 ft-lb) @ <b>6500 RPM</b>	
Lean Angle <i>(per J1168):</i>	
• Right 32°	
• Left 32°	
Fuel Economy⁵	<b>6.3 L/100 km</b> (37 mpg)
<i>(EPA urban/highway test)</i>	

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 - AUS, BRZ, MEX, ENG)</i> , coolant temperature, low fuel warnings, ABS <i>(HDI, JPN only)</i>	
WARRANTY	
Warranty	24 months <i>(unlimited mileage)</i>
Service Interval⁷	First <b>1600 km</b> (1000 miles), every <b>8000 km</b> (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.

# V-ROD MUSCLE®

VRSCF

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.

