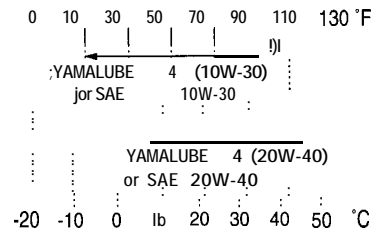


Specifications

| | |
|---|------------------------------|
| Model | VMX12/VMX12C |
| Dimensions | |
| Overall length | 2,300 mm (90.6 in) |
| Overall width | 795 mm (31.3 in) |
| Overall height | 1,160 mm (45.7 in) |
| Seat height | 765 mm (30.1 in) |
| Wheelbase | 1,590 mm (62.6 in) |
| Ground clearance | 145 mm (5.7 in) |
| Minimum turning radius | 2,900 mm (114.2 in) |
| Basic weight (with oil and full fuel tank) | |
| VMX12 | 283 kg (624 lb) |
| VMX12C | 284 kg (626 lb) |
| Engine | |
| Engine type | Liquid-cooled 4-stroke, DOHC |
| Cylinder arrangement | V type, 4-cylinder |
| Displacement | 1,198 cm ³ |
| Bore x stroke | 76 x 66 mm (3.0 x 2.6 in) |
| Compression ratio | 10.5:1 |
| Starting system | Electric starter |
| Lubrication system | Wet sump |

Engine oil

Type



Recommended engine oil classification

API Service SE, SF, SG type or higher

CAUTION:

Be sure to use motor oils that do not contain anti-friction modifiers. Passenger car motor oils (often labeled "Energy Conserving") contain anti-friction additives which will cause clutch and/or starter clutch slippage, resulting in reduced component life and poor engine performance.

Quantity

| | |
|--|-------------------------------|
| Without oil filter cartridge replacement | 3.2 L (2.8 Imp qt, 3.4 US qt) |
| With oil filter cartridge replacement | 3.4 L (3.0 Imp qt, 3.6 US qt) |
| Total amount (dry engine) | 4.0 L (3.5 Imp qt, 4.2 US qt) |

SPECIFICATIONS

Final gear oil

| | |
|----------|---------------------------------|
| Type | SAE80API "GL-4" Hypoid gear oil |
| Quantity | 0.2 L (0.18 Imp qt, 0.21 US qt) |

Cooling system capacity (total amount)

3.05 L (2.68 Imp qt, 3.22 US qt)

Air filter

Dry type element

Fuel

| | |
|---------------------|--------------------------------|
| Type | Unleaded fuel |
| Fuel tank capacity | 15 L (3.3 Imp gal, 4.0 US gal) |
| Fuel reserve amount | 3 L (0.7 Imp gal, 0.8 US gal) |

Carburetor

| | |
|------------------|-----------|
| Manufacturer | MIKUNI |
| Model x quantity | BDS35 x 4 |

Spark plug

| | |
|--------------------|-------------------------------------|
| Manufacturer/model | DPR8EA-9 / NGK or X24EPR-U9 / DENSO |
| Gap | 0.8-0.9 mm (0.03-0.04 in) |

Clutch type

Wet, multiple-disc

Transmission

| | |
|----------------------------|------------------------|
| Primary reduction system | Spur gear |
| Primary reduction ratio | 1.775 |
| Secondary reduction system | Shaft drive |
| Secondary reduction ratio | 2.851 |
| Transmission type | Constant-mesh, 5-speed |

Operation

Left foot

| | | |
|------------|-----|-------|
| Gear ratio | 1st | 2.529 |
| | 2nd | 1.772 |
| | 3rd | 1.347 |
| | 4th | 1.076 |
| | 5th | 0.928 |

Chassis

| | |
|--------------|------------------|
| Frame type | Double cradle |
| Caster angle | 29° |
| Trail | 119 mm (4.69 in) |

Tires

| | | |
|-------|------------------------|--------------------------------------|
| Front | Type | Tubeless |
| | Size | 110/90-18 61V |
| | Manufacturer/ model | Bridgestone / G525AW Dunlop / F20 |
| Rear | Type | Tubeless |
| | Size | 150/90-15 M/C 74V |
| | Manufacturer/ model | Bridgestone / G526BW Dunlop K525 |

SPECIFICATIONS

| | | |
|--|---|--|
| Maximum load* | | |
| VMX12 | 216 kg (476 lb) | |
| VMX12C | 215 kg (474 lb) | |
| Tire air pressure (measured on cold tires) | | |
| Up to 90 kg (198 lb)* | | |
| Front | 225 kPa (2.25 kgf/cm ² , 33 psi) | |
| Rear | 225 kPa (2.25 kgf/cm ² , 33psi) | |
| 90 kg (198 lb)-maximum* | | |
| Front | 225 kPa (2.25 kgf/cm ² , 33psi) | |
| Rear | 250 kPa (2.50 kgf/cm ² , 36psi) | |
| High-speed riding | | |
| Front | 225 kPa (2.25 kgf/cm ² , 33psi) | |
| Rear | 250 kPa (2.50 kgf/cm ² , 36psi) | |

* Total weight of rider, passenger, cargo and accessories

Wheels

| | | |
|-------|-----------------|--|
| Front | | |
| Type | Cast wheel | |
| Size | 18 x MT2.15 | |
| Rear | | |
| Type | Cast wheel | |
| Size | 15M/C x MT 3.50 | |

Brakes

| | | |
|-------|-----------------|--|
| Front | | |
| Type | Dual disc brake | |

| | |
|-----------|-------------------|
| Operation | Right hand |
| Fluid | DOT 4 |
| Rear | |
| Type | Single disc brake |
| Operation | Right foot |
| Fluid | DOT 4 |

Suspension

| | |
|-------|-----------------|
| Front | Telescopic fork |
| Rear | Swingarm |

Spring/shock absorber

| | |
|-------|------------------------------|
| Front | Coil-air spring / oil damper |
| Rear | Coil spring / oil damper |

Wheel travel

| | |
|-------|-----------------|
| Front | 140 mm (5.5 in) |
| Rear | 100 mm (3.9 in) |

Electrical system

| | |
|-------------------|----------------------------|
| Ignition system | T.C.I. (digital) |
| Charging system | |
| Type | A.C. magneto |
| Standard output | 14 V, 22.5 A @ 5,000 r/min |
| Battery | |
| Model | YB16AL-A2 |
| Voltage, capacity | 12 V, 16Ah |

Headlight type

Quartz bulb (halogen)

Bulb voltage, wattage x quantity

| | |
|----------------------------------|-------------------|
| Headlight | 12 V, 60/55 W x 1 |
| Tail/brake light | 12 V, 8/27 W x 2 |
| Front turn signal/position light | 12 V, 27/8 W x 2 |
| Rear turn signal light | 12 V, 27 W x 2 |
| Meter lighting | 14 V, 3 W x 2 |
| Neutral indicator light | 14 V, 3 W x 1 |
| High beam indicator light | 14 V, 3 W x 1 |
| Turn signal indicator light | 14 V, 3 W x 1 |
| Fuel level warning light | 14 V, 3 W x 1 |
| Oil level warning light | 14 V, 3 W x 1 |

Fuses

| | |
|-----------------------|-----|
| Main fuse | 30A |
| Headlight fuse | 15A |
| Signaling system fuse | 10A |
| Radiator fan fuse | 10A |
| Ignition fuse | 10A |