



## Bimota TERA Specification card

### ENGINE

4-stroke, 4-cylinder, DOHC, 4-valve, liquid-cooled, supercharged

#### **Displacement**

998cc / 60,9 cu-in

#### **Bore x Stroke**

76.0 x 55.0 mm / 2,99 x 2,17 in

#### **Compression Ratio**

11.2:1

#### **Power**

147.1 Kw / 200 hp @11.000 r/min

#### **Torque**

137,0 Nm / 101 lbf-ft @ 8.500 r/min

#### **Fuel System**

FI (Fuel Injection)

Euro-5+

#### **Ignition**

Battery and coil (transistorized ignition)

#### **Ignition Timing**

10° BTDC @ 1.100 r/min > 41° BTDC @ 6.000 r/min

**Spark Plug Type** : NGK SILMAR9E9

**Gap** : 0,8 > 0,9 mm / 0,031-0,035 in)

## **Starting System**

Electric starter

## **Cylinder Numbering Method**

Left to right 1-2-3-4

## **Firing Order**

1-2-4-3

## **Lubrication System**

Forced lubrication (wet sump)

**Engine Oil Type** : API SG, SH, SJ, SL or SM, with JASO MA, MA1 or MA2

**Viscosity** : SAE 10W-40

**Capacity** : 4.7 L (5,0 US qt)

**Coolant Capacity** : 3.1 L (3,3 US qt)

## **TRASMISSION**

6-speed, constant mesh, return shift

## **Clutch**

Wet, multi disc

## **Final Drive**

Chain drive

**Primary Reduction Ratio** : 1.480 (74/50)

**Final Reduction Ratio** : 2.556 (46/18)

**Overall Drive Ratio** : 5.098 (Top gear)

<b>Gear Ratio</b>	1 <sup>st</sup>	3.077 (40/13)
	2 <sup>nd</sup>	2.471 (42/17)
	3 <sup>rd</sup>	2.045 (45/22)
	4 <sup>th</sup>	1.727 (38/22)
	5 <sup>th</sup>	1.524 (32/21)
	6 <sup>th</sup>	1.348 (31/23)

## **FRAME**

### **Frame Type**

Aluminum alloy plates billet machined, with rear swingarm mounting plate

### **Front Suspension / Wheel Travel**

Öhlins TTX 36 nitrogen gas charged shock with piggyback reservoir, compression and rebound damping and adjustability and hand-turn spring preload adjustability, and top-out spring/114 mm (4,48 in)

**OPTIONAL** : Marzocchi semi-active suspension system (Wheel Travel 145 mm / 5,70 in)

### **Rear Suspension / Wheel Travel**

Öhlins TTX36 nitrogen gas charged shock with piggyback reservoir, compression and rebound damping and adjustability and hand-turn spring preload adjustability, and top-out spring/135 mm (5,31 in)

**OPTIONAL** : Marzocchi semi-active suspension system (Wheel Travel 165 mm / 6,49 in)

### **Front Brakes**

Dual radial-mount, opposed 4-piston Brembo Stylema® calipers, dual semi-floating 330 mm discs, KIBS ABS

### **Rear Brakes**

Opposed 2-piston calipers, single 220 mm disc, KIBS ABS

**Tire Size :**

Front	120/70ZR 17 M/C (58W)
Rear	190/55ZR17 M/C (75W)

**Rim Size :**

Front	J17M/C x MT 3.50
Rear	J17M/C x MT 5.50

**Rake/Trail**

n/a

**Overall Length**

n/a

**Overall Width**

n/a

**Overall Height**

n/a

**Ground Clearance**

174 mm (+/-30 mm) / 6.85 in (+/-1,18 in)

**Seat Height**

820 mm (+/-30 mm) / 32,28 in (+/-1,18 in)

**Curb Weight**

n/a

**Fuel Capacity**

22 lt / 5.81 gal

**Wheelbase**

1.445 mm / 56.89 in

**Electronic Rider Aids**

Kawasaki Cornering Management Function (KCMF), Kawasaki Traction Control KTRC (3-MODE), Kawasaki Launch Control Mode (KLCM), Brembo Stylema Calipers, Kawasaki Intelligent anti-lock Brake System (KIBS), Kawasaki Quick Shifter (KQS) (upshift & downshift), Electronic Cruise Control, All Led Lightning, Full-Colour LCD TFT screen, Assist & Slipper Clutch.