

# 2021

# MT-07

## NEW FOR 2021



**Storm Fluo**

\$7,699 MSRP\* \$430 Destination Charge\*



**Matte Raven Black**

\$7,699 MSRP\* \$430 Destination Charge\*



**Team Yamaha Blue**

\$7,699 MSRP\* \$430 Destination Charge\*

### 1. Updated 689cc CP2 Engine

The 2021 MT-07 features an updated 689cc liquid-cooled in-line 2-cylinder CP2 engine. The 270° crankshaft is based on Yamaha's Crossplane Concept, and the bore × stroke of 80.0 mm × 68.6 mm and 11.5:1 compression ratio produce maximum torque at 6,500 RPM. The intake air duct design, exhaust system specs - now integrated 2-into-1 exhaust pipes and muffler - and ECU specs were changed. The fuel injection settings were optimized for a smoother delivery of power when the throttle is slightly open at low rpm. Together, these updates maintain the same level of engine response as before for easy-to-use performance. Other updates include new valve seats with excellent abrasion resistance for the exhaust side, an improved gearshift feel thanks to different cut angles for the dog gears, and repositioning of the catalytic converter - now closer to the headers - and the oxygen sensor.

### 2. Next-Generation Design

Joining the 3rd generation MT style - as featured on the 2021 MT-09 - the 2021 MT-07's new look further brings out its distinctive appeal with fashion-leading colors and graphics. The newly designed parts and components are integrated with minimal structural elements, creating an attractive design that emphasizes pure Hyper Naked character. With a silhouette that is synonymous with the MT Series' signature statement of torque and power, the MT-07 showcases a tight, compact and powerful appearance.

### 3. LED Projector Lighting

With new LED lighting for the position lights, headlight and both front and rear turn signals, the 2021 MT-07 exhibits clear and powerful illumination with a modern design.

### 4. Stronger Stopping Power

The 2021 MT-07 boasts stronger stopping power with bigger 298mm front brake discs that house more progressive braking characteristics.

### 5. Updated Cockpit

The new multi-function negative LCD instrument display with a black background and white readouts mounts over the center of the newly designed handlebars, which are now taller and wider. The rider's left hand switch assembly has been rearranged with a Trip / Info switch. This redesign allows the rider to toggle through multiple functions of the meter more conveniently and gives the cockpit an updated luxurious feel.



\*Manufacturer's Suggested Retail Price (MSRP) shown. Does not include tax, title, prep or destination charges. Actual prices set by dealer.

## FEATURES & BENEFITS

### NEW FOR 2021 - CONT.

#### 6. New Ergonomics

The tapered handlebar - now raised and wider - brings a comfortable, easy-to-ride position for an upright, controllable feel when maneuvering through the streets.

### TOP FEATURES

#### Advanced Twin-Cylinder Engine

The 2021 MT-07 features an updated, compact 689cc liquid-cooled, inline twin cylinder, DOHC engine with fuel injection. The unique power character of the engine provides outstanding low- to mid-range torque with a linear throttle response and strong high-rpm pulling power. Maximizing riding excitement in the real world, the engine maintains the same level of response due to its intake air duct design, exhaust system specs - now integrated 2-into-1 exhaust pipes and muffler - and updated ECU specs. The fuel injection settings were also optimized to bring refinements to the engine's linear response characteristics while the throttle is slightly open at low rpm. Other updates include new valve seats with excellent abrasion resistance for the exhaust side, improved gearshift feel thanks to different cut angles for the dog gears, and repositioning for the catalytic converter - now closer to the headers - and oxygen sensor.

#### Assertive Riding Position

To alleviate any sense of narrowness, the 2021 MT-07 features a new tapered handlebar that is 32mm wider and 19mm taller and offers improved feelings of control and comfort for a wider range of rider sizes.

#### Next-Generation Design

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## ENGINE

#### Advanced Twin-Cylinder Engine

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#### Crossplane Crankshaft Concept

The two-cylinder engine features Yamaha's Crossplane Crankshaft Concept 270-degree crank that provides linear torque development in response to the rider's throttle input. Offering excellent rider-machine communication, the CP2® engine is also light, slim and compact.

#### Compact Stacked Transmission

The six-speed transmission "stacks" the input/output shafts in a triangular layout. Keeping the overall engine size shorter from front-to-back, the placement in the frame is optimized for outstanding weight balance. The transmission ratios bring out the best of the low- to mid-speed torque with excellent response characteristics to reduce the need for frequent shifts.

#### Midship Exhaust System

By placing the muffler low in the frame and as close to the center of the machine as possible, the bike's mass is centralized for improved all around handling. The 2021 MT-07 also features a new exhaust system with integrated 2-into-1 exhaust pipes and muffler.

#### Offset Cylinder Block

The CP2 engine shifts its cylinder bores slightly forward, towards the exhaust side which reduces piston-to-cylinder wall friction, resulting in more power and improved fuel economy.

#### Refined Fuel Injection

From the open roads to the urban sprawl, the new electronic fuel injection settings deliver a smooth throttle response for enhanced riding enjoyment. The system delivers outstanding torque in the low- and mid-rpm range with exciting acceleration in the upper rpm range while the new fuel injection settings have been optimized to bring refinements to the engine's linear response characteristics when the throttle is slightly open at low rpm.

## CHASSIS/SUSPENSION

#### Assertive Riding Position

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#### Compact Frame Design

The high-strength steel frame provides an optimized balance of rigidity for nimble, agile handling. As a stressed member of the chassis, the engine allows for a lighter, more compact main frame design, contributing to a low wet weight of only 406 lb.

#### Lightweight Wheels

Lightweight 10-spoke cast aluminum wheels reduce unsprung weight for great handling and suspension performance. The Michelin Road 5 tires offer excellent grip and agility with 120/70ZR17 front and 180/55ZR17 rear sizes.

#### Stronger Stopping Power

For excellent stopping power and greater control and feel while braking, the 2021 MT-07 features bigger 298mm front brake discs with 4-piston calipers. Rear braking is handled by a 245mm disc, and ABS comes standard to boost rider confidence and prevent wheel lock-ups in reduced traction conditions.

#### KYB Front Fork

The MT-07's front suspension features a 41mm KYB fork with 5.1 inches of travel. With carefully selected spring rates and damping settings, the suspension has a refined feel and responsively performs across a wide range of riding styles.

#### Adjustable KYB Rear Shock

The MT-07 features a link-type rear shock adjustable for both rebound damping and spring preload. With 5.1 inches of rear travel, the shock is positioned below the seat with an almost horizontal alignment to help make the chassis even more compact.

**Sporty Chassis Dimensions**

Working with the characteristics of the compact twin-cylinder engine, the wheelbase, seat height, fuel tank width, rake and other dimensions achieve a sporty, light and neutral handling character.

**ADDITIONAL FEATURES****New LCD Meter**

The 2021 MT-07 features a new multifunction negative-display LCD dash with a black background and white readouts while RPMs of 10k - 12k are indicated with a red color. Designed specifically for the MT-07's cockpit, the arrangement of the information features a larger display for the clock, current gear, trip/odometers and tachometer. Trip 1, Trip 2 and Trip F, the temperature and other meter functions can be toggled and reset with the left handlebar thumb switch while key displays like the gear indicator are on the right while the tachometer are positioned along the top.

**Next-Generation Design**

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**LED Projector Lighting**

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**Accessories**

Accessorize your new 2021 MT-07 with a front cowl, fly screen, fender eliminator and many more!

[yamahamotorsports.com](http://yamahamotorsports.com)

For Accessories, visit [shopyamaha.com](http://shopyamaha.com)

**SPECIFICATIONS:**

<b>Engine Type</b>	689cc liquid-cooled, DOHC, 4-stroke, 4-valves per cylinder
<b>Bore x Stroke</b>	80.0mm x 68.6mm
<b>Compression Ratio</b>	11.5:1
<b>Fuel Delivery</b>	Fuel injection
<b>Transmission</b>	6-speed; wet multiplate clutch
<b>Final Drive</b>	Chain
<b>Suspension / Front</b>	41mm telescopic fork; 5.1-in travel
<b>Suspension / Rear</b>	Single shock, adjustable preload and rebound damping; 5.1-in travel
<b>Brakes / Front</b>	Dual 298mm hydraulic disc; ABS
<b>Brakes / Rear</b>	245mm hydraulic disc; ABS
<b>Tires / Front</b>	120/70ZR17
<b>Tires / Rear</b>	180/55ZR17
<b>L x W x H</b>	82.1 in x 30.7 in x 43.5 in
<b>Seat Height</b>	31.7 in
<b>Wheelbase</b>	55.1 in
<b>Rake (Caster Angle)</b>	24° 50'
<b>Trail</b>	3.5 in
<b>Maximum Ground Clearance</b>	5.5 in
<b>Fuel Capacity</b>	3.7 gal
<b>Fuel Economy**</b>	58 mpg
<b>Wet Weight***</b>	406 lb
<b>Warranty</b>	1 Year (Limited Factory Warranty)
<b>Color</b>	Storm Fluo; Matte Raven Black; Team Yamaha Blue

\*\*\* Wet weight includes the vehicle with all standard equipment and all fluids, including oil, coolant (as applicable) and a full tank of fuel. It does not include the weight of options or accessories. Wet weight is useful in making real-world comparisons with other models.