

Maximum Wheel Weight

- Race-Only Engines (Rim & Tire Only - See inspection method below)
 - o ST, HM and Miles: 28 lbs.
 - o TTs: **29.5 lbs. only when traditional, laced-up spoked wheels are utilized.**
- AFT SuperTwins utilizing street bike engines and AFT Production Twins: 48 lbs. (Wheel Assembly – see below)

Wheel Weight Inspection Method:

- AFT SuperTwins, Race-Only Engines: Rim and tire only will be weighed. Rear wheels will be weighed after removing the rear rotor, sprocket, rotor and sprocket nuts and axle spacers. The maximum diameter of the rear rotor is **11.75 inches**. Rear brake rotors must be designed to mount to the central hub. Perimeter or rim mounted rotors are not permitted. The rear braking system must be designed and function solely as a rear brake. AMA Pro Racing will make final determination if the rear brake design and function meets these criteria.
- All other machines: Status quo inspection method weighs the rear wheel *assembly*. A wheel assembly consists of a tire, a single standard inner tube, approved rim tape or tube protector (located between rim and tube), rim, spokes, hub, wheel spacers, rotor, sprocket (and associated fasteners), and whatever minimum weight is required to balance the wheel assembly.

Fuel Tanks

- ~~Minimum capacity is 5 liters (1.32 gallons). The same size fuel tank used on a motorcycle in qualifying must be retained for the entire event.~~

Section 5: AFT Production Twins Technical Standards

AFT Production Twins motorcycles must meet the following requirements in addition to the applicable requirements in General Equipment Standards. Twin-cylinder motorcycles must maintain the traditional appearance of a flat track twin-cylinder motorcycle. ~~Machines must not be constructed to resemble Motocross or Supercross motorcycles.~~ AMA Pro Racing will make sole determination if any machine does not meet these criteria.

Engine Displacement

- 649cc – ~~800cc~~ 900cc with the following restrictions:
- Engines may not exceed 900cc. Bore and stroke may be modified to meet this maximum displacement limit.

Engine Control System/Electronics/Traction Control

- *Unless O.E. fitment from the donor motorcycle*, vehicle speed, chassis dynamic or location sensors to include but not limited to wheel, transmission, countershaft speeds, GPS or other sensors that provide information to the ECU to facilitate any means of electronic control of engine output or brake systems are prohibited.

Throttle Body Specifications by Model/Type:

- Carb/Throttle Body Maximum Inner Diameter: ~~40mm~~ ~~38mm~~
- *The throttle body type must remain consistent with the design that came on the approved engine. Only an engine that came with electronic or throttle by wire may use that type of throttle system.*
- *If an engine did not come with an electronic throttle control or fly-by-wire, secondary throttle plates or other such induction controlling devices, use of these devices is prohibited. The rider must have uninterrupted mechanical connection via traditional cables from handlebar to the induction components.*

Maximum Wheel Weight

- AFT Production Twins: 48 lbs.

Fuel Tanks:

- ~~Minimum capacity is 5 liters (1.32 gallons). The same size fuel tank used on a motorcycle in qualifying must be retained for the entire event.~~

Section 6: AFT Singles Technical Standards

Carburetors and Fuel Injection:

- *The throttle body type must remain consistent with the design that came on the approved engine. Only an engine that came with electronic throttle by wire or secondary butterflies may use that type of throttle system.*
- *If an engine did not come with an electronic throttle control or fly-by-wire, secondary throttle plates or other such induction controlling devices, use of these devices is prohibited. The rider must have uninterrupted mechanical connection via traditional cables from handlebar to the induction components.*
- *Fuel injection is permitted only if it is standard equipment on the homologated model.*
- *It is permissible to replace fuel injection with a carburetor.*
- *There are no restrictions on carburetor or throttle body bore size.*
- *Although the throttle body bore size may be changed, the casting must remain as homologated.*
- *Boring the stock throttle body is allowed however it MAY NOT be bored to the extent that the stock casting is breeched or eliminated.*
- *Welding, epoxy, or other methods MAY NOT be used to increase the bore diameter above and beyond what the stock casting will facilitate. The final decision will be made by AMA Pro Racing technical staff at the event.*
- *The original throttle body may be replaced with any other homologated throttle body *from the current approved AFT Singles list*. See above for applicable throttle body type over boring *restrictions* and allowances.*
- ~~*If fuel injection is utilized, secondary butterflies must be removed.*~~
- *The original number of fuel injectors must be maintained as homologated. Secondary, showerhead or supplementary injectors cannot be added.*
- ~~*Any type of electronic throttle control or "fly-by-wire," OEM or aftermarket, is prohibited. The rider must have direct mechanical connection with the induction components.*~~

Maximum Wheel Weight

- *AFT Singles 43 lbs. Same as 2021.*