

IAME X30

2019 Supplementary Rules and Quick Reference

Effective 8/2/2019

Engine and components must have original specifications and appearance. When updated components or sub-assembly are available from the factory, those parts are allowed.

The following exceptions and clarifications are applicable:

Bearings, seals, O-rings, and gaskets: May be replaced with equivalent from aftermarket Suppliers. No ceramic or exotic material bearing allowed. Components that measure within tolerance but show evidence of modification from factory-delivered condition are subject to disqualification.

Carburetor: Tillotson HW 27A. Venturi diameter is Max 27mm (1.063"). Must be run in position shown on pdf. Auxiliary return spring required.

Exhaust timing: Maximum 177.5 degrees with manual or electronic degree wheel. Alternate measurement using LAD tool: 1.340" (visible light: 1.215").

- Changing cylinder base gasket thickness to adjust port opening duration is allowed.

Reeds: IAME stock. Minimum thickness: .011"

Ports: must remain as manufactured condition. No grinding or polishing of any kind.

Minimum squish: .035", with .060" solder.

CC Volume: No longer applicable.

Air Box: As supplied with engine kit. No modifications allowed.

Air filter: IAME Part number 10751-A required.

Ignition control box: "C" unit, subject to additional tech.

Ignition flywheel and key dimensions:

- Flywheel key: 0.096" No-Go
- Flywheel key slot in the rotor: 0.103" No-Go

Spark plug specifications:

- Only the following plugs are allowed: NGK R6252K-105 and NGK R6254-105. In the event of a declared Rain Race, NGK BR10EG may be used.
- Must be stock and unmodified. May be compared to a known stock plug to determine any modification.
- Spark plug washer, indexing washer or head temperature gauge sender must be in place. Maximum length 18.5 mm (including washer or temp lead.) May be verified with a Rocket Racing Products spark plug gauge – with plug tightened to no more than 180 in/lb.

Radiator: One (1) aftermarket radiator allowed to replace the IAME radiator, subject to the following:

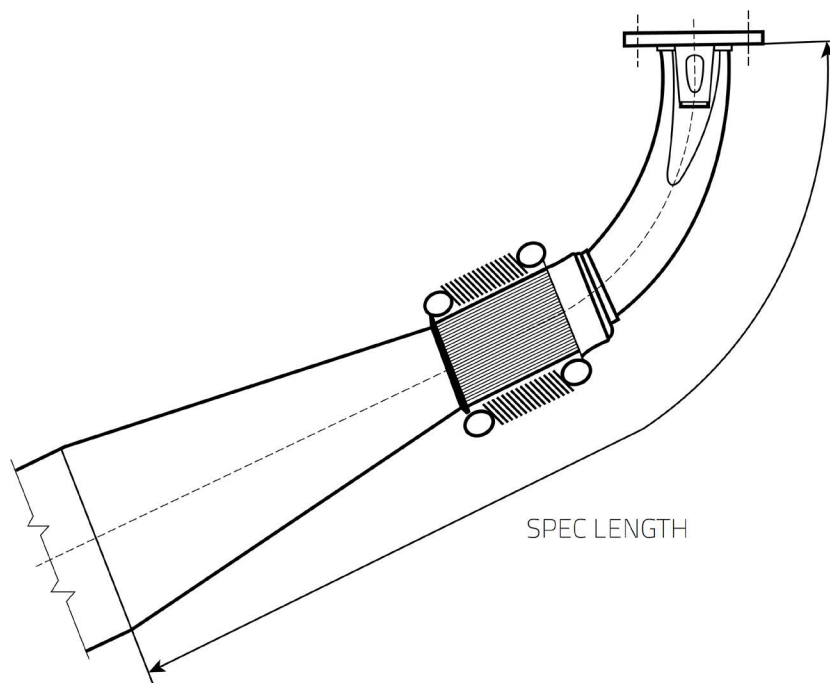
- No auxiliary fans.
- No additional scoops, air dams or other aerodynamic additions.
- Water pump is non-tech but must be powered from axle. Electric pumps not allowed.

- Thermostat optional.
- Mounting height 50cm maximum from ground (excluding filler cap).
- Maximum radiator dimensions: Height: 19.5" Width: 12" Depth: 3.250" (496mm x 305mm x 83mm).
- Shield on rear allowed to prevent damage from track debris.

Clutch: Only clutch drum X30125550A (without holes) may be used.

Header/flex, new minimum length

- The minimum combined length of the header and Flex is 17" MINIMUM for both Senior and Juniors.
- This measurement is taken from the outside of the header flange (not the engine side) around the right side of the header, Flex and exhaust to the weld at the first divergent cone.
- Measurement is taken with exhaust as installed on kart.



Oil mixture: 8oz of spec oil per gallon of VP C12.

The optional use of 50% Castor Oil and 50% Motul Kart Grand Prix 2T to the spec fuel mixture is permitted. To be clear, this means 4oz of castor oil + 4oz of Motul 2T per 1 gallon of VP C12 gasoline.

Normal fuel tests will still be conducted and governed accordingly. The following is a list of some known Castor Oils that can be utilized:

- Burris Castor Oil (902-1)
- Maxima 927 Castor
- Klotz BeNol – BC175
- Blendzall BC460 Pure Castor
- Nature's Oil Castor Oil

Engine claiming: As per current Rulebook.