



1/1/2019

## KA100 Supplemental Rules (see pdf for other dimensions)

- Items may always be compared to known stock parts to insure compliance.
- Bearings, seals, O-rings, and gaskets may be replaced with equivalent from aftermarket suppliers. No ceramic or exotic bearing material allowed.
- Changing cylinder base gasket thickness to adjust port timing duration is allowed. Thickness is non-tech.
- Changing copper head gasket thickness to adjust squish is allowed. Thickness is non-tech. Head gasket is optional.
- Minimum squish is .041" with .0625" (1/16" 50/50) solder.
- Minimum exhaust timing with LAD tool = 1.420" (visible light check = 1.295")
- Minimum ignition timing = .080"
- Maximum ignition timing = .106"
- OEM IAME fiberglass reeds marked "IAME". Fiberglass reeds P/N X3011840 are the only reeds allowed with minimum thickness of .011".
- External modifications: No external modifications of any type including air scoops or heat retaining additions.
- Fuel system: No additional components are permitted. Any fuel filter, if utilized, must be placed between the fuel tank and the carburetor.
- Carburetor: Tillotson HW33A as supplied per the PDF specifications.
- Exhaust: Excess leaking at manifold or joint is grounds for disqualification.
- Exhaust header: Senior: Per PDF specs Junior: 22mm (PN IAH-02011)
- Spark plugs: NGK B10EG, NGK BR10EG, NGK R6252K-105 & NGK 6254-105 are the only spark plugs allowed. Plug must be stock and unmodified. May be compared to know stock plug to determine any modification. Must have stock washer, indexing washer or CHT lead 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.
- IAME air box P/N IAG-90000 is the only air box allowed. IAME air filter P/N 10751-A must be utilized except in declared wet conditions where not running a filter is allowed.
- Clutch: Clutch test RPM is maximum of 6000 RPM. Clutch components must not contain any significant amounts of grease or oil.
- Tires: Evinco Blue 460/7.10
- **Oil mixture: 8oz of Motul Kart Grand Prix 2T per gallon of VP C12.**