Limited Modified Class

BTPA rules:

Appendix to current ETPC rule book with the emphasis based on performance limitations, engine limitations and affordable limits to provide an entry-level Modified class, with no exceptions on safety.
ALL other rules are exactly as per current ETPC rule book.

Legal Engines:

- 4-stroke piston engines and turbines up to a total output of 2,250hp are authorised.
- Piston engines are divided into the following groups:

Type A: Naturally aspirated over 7.7 litres capacity with restrictor.

Type B: Engines with mechanical supercharging.

Type C: Engines with turbochargers.

Type D: Naturally aspirated up to 7.7 litres and max 7,500rpm (car engines).

Type E: V8 engines with Roots blower and max. 7,500rpm (car engines or replicas thereof).

Type F: Naturally aspirated engines below 30 litres capacity without restrictor.

- Note: Intercooling and the injection of fluids prior to turbo or mechanical supercharger (except Roots fan) is only allowed with diesel engine configurations.

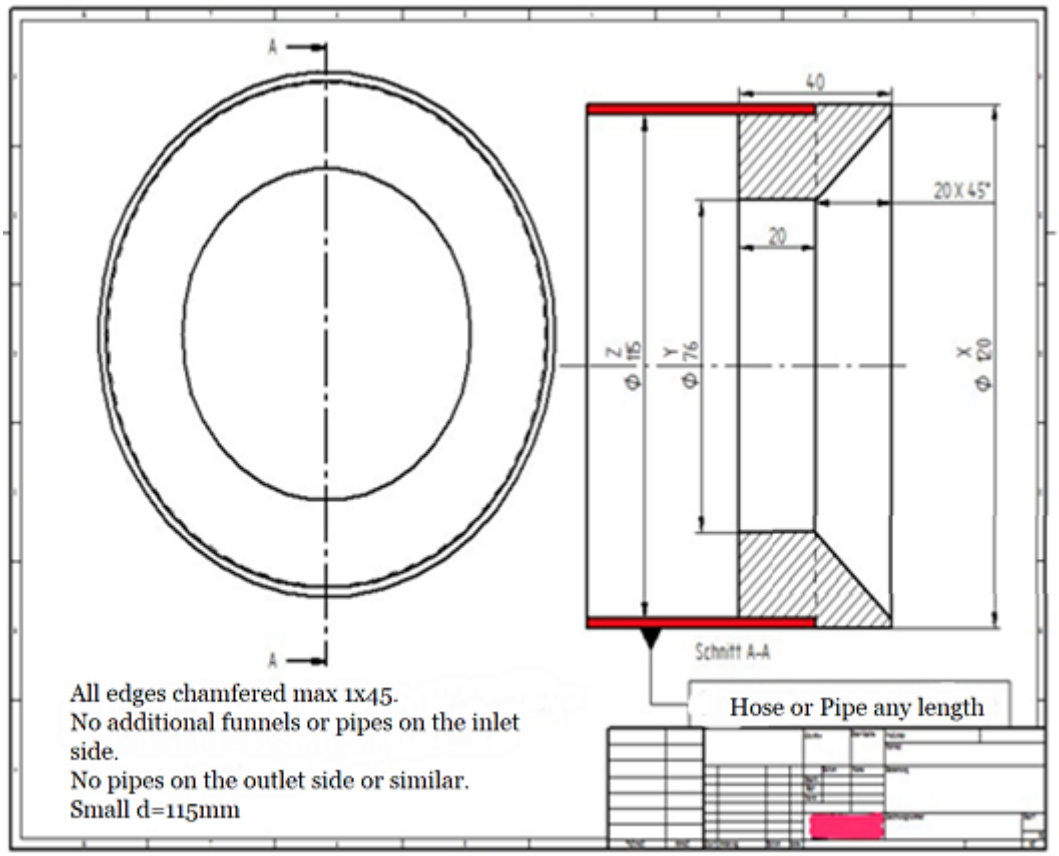
Limits Type A, B & C:

- For engines of the type A, B and C, restrictors are used.
- All air to the engine must be drawn through these restrictors. Restrictors must be placed in front of air intake.
- Emergency stop mechanisms and dampers must be in front of restrictors.

(Example of restrictor)

- All edges chamfered max 1x45deg.
- No additional funnels or pipes on the inlet side.

- On the outlet side, no pipes or similar. Small d=115mm respectively.



For engines of the type A & B per tractor either one (1) Restrictor:

- Dimension Z: 159mm Dimension Y: 120mm Dimension X: 164mm

Or per tractor two (2) restrictors:

- Dimension Z: 127mm Dimension Y: 88mm Dimension X: 132mm

For engines of the type C per tractor either one (1) Restrictor:

- Dimension Z: 141mm Dimension Y: 102mm Dimension X: 146mm

Or per tractor two (2) restrictors:

- Dimension Z: 115mm Dimension Y: 76mm Dimension X: 120mm

Limits for engines Type D:

- Maximum total displacement of 23.1 litre per tractor.

Limits for engines Type E:

- Two (2) engines with 8-71 compressor (Roots blower), Helix standard with a maximum overdrive of the compressor pulley of 15%; One (1) engine with a maximum 8.4 litres, 14-71 compressor (Roots blower), with a maximum overdrive of the compressor pulley of 50% and the use of a so-called "Bird Catcher Scoops" (maximum 3 x 111mm throttle).

Limits for engines Type F:

- A maximum of one (1) engine (Larger engines or any other type of forced induction falls under Type B).

Legal tyre sizes:

- Maximum rim size 38 inches diameter.
- Maximum tyre size with 38-inch rim 710/70R38.
- Maximum tyre size with 32-inch rim 30.5-30 (800/65R32).
- Rim diameter limited to 32 inches on tyre widths over 24.5-32inch (width determined by manufacturers size).

Weight limits:

- All tractors must not exceed MAXIMUM weight of 3,500kg, complete with
- *NOTICE:* All official weights to include oil, water and full tank of fuel, ready to compete, plus driver with fire suit and helmet.
- The driver must be on the weighbridge with their vehicle when they are officially weighed in and out of competition area.

(Weights may change as the class develops to maintain a constant equal competition)

Safety:

- All safety rules as per current ETPC rule book.

Operation of contest:

- As per current rule book.

This is a BTPA class with limits to various engine and performance enhancements, to provide an entry level class into the ETPC Modified classes of tractor pulling.

All ETPC rules to be adhered to.