



TOP FUEL DRAGSTER

CLASS REGULATIONS

Effective 2nd May 2023

Reserved for supercharged, nitro methane-burning dragsters, built specifically for all-out drag racing competition. Minimum weight at conclusion of run 2300lbs, including driver.

Electrimotion Safety Shut Down System Mandatory

All competitors must comply to all Safety and General Regulations

Top Fuel Licence Required - Medical Required

IHRA Technical Inspection Required (Logbook included)

Pro Tree - Heads Up

13310	Class Reg	Top Fuel	Body	Airfoils/Wings	SFI 2.3H - compliant rear wing supports.	Mandatory
13320	Class Reg	Top Fuel	Body	Airfoils/Wings	Strut mounting points are to the rear of the engine plate.	Mandatory
13330	Class Reg	Top Fuel	Body	Airfoils/Wings	The distance between the secondary and main mounting points is at least 760 mm (30 inches).	Mandatory
13340	Class Reg	Top Fuel	Body	Airfoils/Wings	Attached at any point, including supports, to transmission components, engine or bellhousing.	Forbidden
13350	Class Reg	Top Fuel	Body	Airfoils/Wings	Fixed and immovable during a run.	Mandatory
13360	Class Reg	Top Fuel	Body	Airfoils/Wings	Fitments are bolted or welded.	Mandatory
13380	Class Reg	Top Fuel	Chassis / Frame	Frame/ chassis	If constructed pre 1996, then complies with at least SFI 2.3G.	Mandatory
13390	Class Reg	Top Fuel	Chassis / Frame	Frame /chassis - cross member	Either K or X member (welded only), of tubing sized 18.75 mm (3/4 inch) x 0.058 inches (1.5 mm), with no cross member OR cross member and diagonal (bolted, clamped or welded) of tubing sized 18.75 mm (3/4 inch) x .058 inches (1.5 mm) AND either option is installed no more than 150 mm (6 inches) away from the point where the lower frame rails and the front engine mount uprights intersect.	Mandatory
13400	Class Reg	Top Fuel	Chassis / Frame	Chassis	If Professional Racing Category and Top Fuel, then complies with SFI 2.3J or later version.	Mandatory
13410	Class Reg	Top Fuel	Chassis / Frame	Brakes - Rear	Hydraulic disc	Mandatory
13420	Class Reg	Top Fuel	Chassis / Frame	Brakes - Rear	At least 280 mm (11 inch) diameter	Mandatory
13430	Class Reg	Top Fuel	Chassis / Frame	Brakes	Brakes operated by hand or foot.	Allowed
13440	Class Reg	Top Fuel	Chassis / Frame	Roll cage - shroud	Roll cage shroud mounted at rear of roll cage	Mandatory
13450	Class Reg	Top Fuel	Chassis / Frame	Roll cage - shroud	Roll cage shroud, shape conforms to roll cage.	Mandatory

13460	Class Reg	Top Fuel	Chassis / Frame	Roll cage - shroud	Roll cage shroud material is 0.080 inch steel or titanium.	Mandatory
13470	Class Reg	Top Fuel	Chassis / Frame	Roll cage - shroud	Shroud attached to both side bars, using at least 3, Grade 8, 5/16 inch bolts on each side.	Mandatory
13480	Class Reg	Top Fuel	Chassis / Frame	Roll cage - shroud	Shroud attached to rear bar using at least 2, Grade 8, 5/16 inch bolts.	Mandatory
13490	Class Reg	Top Fuel	Chassis / Frame	Roll cage - shroud - bolt heads	Shroud bolt heads, hex style, ½ inch.	Mandatory
13500	Class Reg	Top Fuel	Chassis / Frame	Wheels - drive	Rear wheels/rims SFI 15.3.	Mandatory
13510	Class Reg	Top Fuel	Chassis / Frame	Wheels	Rear wheels/rims if SFI 15.4 then mates with drive hub type.	Mandatory
13520	Class Reg	Top Fuel	Driver / Rider	Helmet	Full face helmet, in compliance with one of SA2015 and SA2020 , SFI 31.2 (or later).	Mandatory
13530	Class Reg	Top Fuel	Driver / Rider	Helmet	Helmet skirt which meets SFI 3.3/10, and balaclava meeting SFI 3.3 or SFI 8856-2000	Allowed
13540	Class Reg	Top Fuel	Drivetrain	Chassis - axle - Ratio	3.20:1 gear ratio.	Mandatory
13550	Class Reg	Top Fuel	Drivetrain	Chassis - axle - rear	Full floating hubs or live axle assembly.	Mandatory
13560	Class Reg	Top Fuel	Drivetrain	Flywheel Shield / bellhousing	Flywheel Shield / bellhousing	Mandatory
13570	Class Reg	Top Fuel	Engine	Engine	Engine no more than one.	Mandatory
13580	Class Reg	Top Fuel	Engine	Engine - capacity	Maximum 500 cubic inches.	Mandatory
13590	Class Reg	Top Fuel	Engine	Engine - configuration	Engine - configuration 90 degree V8.	Mandatory
13600	Class Reg	Top Fuel	Engine	Fuel Grade	Steel braided lines and steel fittings for fuel gauge lines inside the driver's compartment	Mandatory
13610	Class Reg	Top Fuel	Engine	Fuel Grade	Blends of nitro methane.	Allowed
13620	Class Reg	Top Fuel	Engine	Fuel Grade	Blend of at least 50% nitro methane and remainder methanol.	Mandatory
13625	Class Reg	Top Fuel	Engine	Electrimotion	Electrimotion shut down system must be installed and operational to utilise the following functions. Fuel shut off, Ignition shut down and parachute release devices must be functional.	Mandatory
13626	Class Reg	Top Fuel	Electrimotion	Electrimotion	Electrimotion is not to be used as the primary activation of parachute (referred to as "driving into the chutes". This is not the intention of the system; this is for emergency situations to provide a secondary back up when a driver is incapacitated. Drivers should always be responsible for the activation of the chutes, fuel and ignition shut off under their own actions. Drivers should always operate the vehicle naturally and not rely on automation. IHRA Technical can at any time review/request your data to ensure that ELECTRIMOTION is used appropriately. Penalties will be put in place of the ELECTRIMOTION system is not used correctly to the manufacturer's instructions.	Mandatory
13627	Class Reg	Top Fuel	Electrimotion	Electrimotion Controller	Safety shut off controller kit must be properly installed per the manufacturer's instructions. Modifications of or tampering with the ELECTRIMOTION shut off controller kit prohibited.	Mandatory
13627	Class Reg	Top Fuel	electrimotion	Electrimotion Driving Conduct/Standards	As per regulation 13626. It is important to note that unsafe driving practices will be enforced at all events. Any driver in which is deemed to be in breach of the rule. 1. Competitor will be logged. 2. Second offence \$200 monetary fine. 3. Third offence \$500 monetary fine and disqualification from the event. 4. In the case of a competitor breaching these standards at a championship round will see a demerit points system included. (i.e., deduction of championship points).	Mandatory
13640	Class Reg	Top Fuel	Engine	belly pan	Engine oil retention pan installed.	Mandatory

13650	Class Reg	Top Fuel	Engine	belly pan - material	Material is either 0.05 inch aluminium or 0.04 inch carbon fibre / Kevlar.	Mandatory
13660	Class Reg	Top Fuel	Engine	belly pan - forward extent	Extend forward by at least 1 inch past the lower supercharger pulley.	Mandatory
13670	Class Reg	Top Fuel	Engine	belly pan - rearward extent	Extend rearward no further than the cross member that is beneath the pinion flange.	Mandatory
13680	Class Reg	Top Fuel	Engine	belly pan - width	Width is less than or equal to the lower frame rails outer edge.	Mandatory
13690	Class Reg	Top Fuel	Engine	belly pan	Size is such that sides extends to the top of the upper frame rails.	Mandatory
13700	Class Reg	Top Fuel	Engine	belly pan	Design is one piece or is sealed and retains oil.	Mandatory
13710	Class Reg	Top Fuel	Engine	Bulkhead - lip	Bulkhead retains oil during deceleration or acceleration.	Mandatory
13720	Class Reg	Top Fuel	Engine	Bulkhead - lip	Front bulkhead is at least 4 inches (100 mm) high.	Mandatory
13730	Class Reg	Top Fuel	Engine	Bulkhead - rear	Rear Bulkhead is rearward of the back of the bellhousing.	Mandatory
13740	Class Reg	Top Fuel	Engine	Bulkhead	Oil is contained within the bulkhead confines.	Mandatory
13750	Class Reg	Top Fuel	Engine	Lower engine containment device	Lower engine containment device in use	Mandatory
13760	Class Reg	Top Fuel	Engine	Supercharger	Supercharger Roots.	Mandatory
13770	Class Reg	Top Fuel	Engine	Supercharger	Supercharger Screw type	Forbidden
13780	Class Reg	Top Fuel	Engine	Supercharger	Restraint system complies with SFI 14.3.	Mandatory
13790	Class Reg	Top Fuel	Engine	Supercharger	SFI 23.1 -compliant manifold burst panels	Mandatory
13800	Class Reg	Top Fuel	Engine	Throttle stop	Use of a mechanical throttle stop which the driver cannot reach that limits throttle blade opening to a maximum of 0.300 inches during burnouts.	Mandatory
13810	Class Reg	Top Fuel	Engine	Engine - type	Reciprocating,90-degree V8 single camshaft, automotive type engine permitted.	Mandatory
13815	Class Reg	Top Fuel	Engine	Engine - type	SAINTY Engine	Allowed
13820	Class Reg	Top Fuel	Vehicle	Parachute	Dual Parachute shroud attachment points utilising one times 1/2Inch bolt minimum and a one times 1" Bush per shroud line attachment.	Mandatory
13825	Class Reg	Top Fuel			This Bracket will be contested over 1000ft	mandatory