

Limited Pro Stock Diesel

1100 lbs & 1200 lbs

Driver Eligibility:

1. General Rules apply.
2. Drivers must be at least 16 year old and capable of operating the tractor in a safe manner
3. A properly fitted helmet, fire suit having a minimum single layer rating of SFI 3.2A-1, and closed toe shoes are required to be worn by drivers. A head sock and gloves are recommended. Helmet must be fastened and fires suits zipped and secured.
4. A tractor may be entered only once per class.
5. A limited pro stock diesel tractor cannot move up a class in the same event, i.e compete in the pro stock diesel class at the same event as competing in the limited pro stock diesel class.

Chassis:

6. Maximum wheelbase is 56 inches.
7. Maximum permitted distance from the center of the rear axle to the farthest point forward is 96 inches.
8. This class is for stock appearing tractors with full hood, grill and side shields. Must be recognizable as an actual modern production garden tractor or small farm tractor. The hood and grill can be from a different make than the frame/rear end, but must still look like a tractor.
 - a. Full metal side shields to cover the engine area minimum 16-gauge steel or 14-gauge aluminum are required. For tractors utilizing nonmetal hood and side shield components, engine shielding must go to the bottom of the cylinder head.
9. Must use garden tractor drive line components, modifications are allowed. Internal gears, front reduction housing and planetaries are allowed. No cut down automotive rear ends Panzers.
10. Must have a "dead man" throttle. Throttle shaft must have a return spring to return engine to an idle in case of a breakage in the linkage.

11. ALL TRACTORS MUST HAVE a functional breakaway kill switch. Kill switch device must be mounted on the rear of tractor and must disconnect power to the electrical fuel pump along with activating the turbo air shut off. (Refer to diagram in back of the book)
12. All tractors must have fenders to protect the driver from the rear tires. Fenders should extend at a minimum of 4 inches out over the tires.
13. All tractors must have a seat with at least a 3 inch back.
14. All tractors must have wheelie bars. Wheelie bars must be rigid in all directions and able to support the tractor and driver in the heaviest weight class. Each skid shoe must be a minimum of 1.5" x 2" or the use of 5" round wheels 1" wide is allowed. Wheelie bars must have 2 skid shoes or 2 wheels. The wheelie bars must be a minimum of 5" from the rear most part of the rear tires, and a maximum of 10" from the rear tires. The bars must be a maximum of 5" from the ground to the bottom of skid shoes or wheels. A vertical bumper bar 6" in height at the rear most position of the wheelie bars is required.
 - a. Weights on the back of the tractor must be contained within 1" before the end of the wheelie bars. (Refer to the diagram in the back of the book).
15. Maximum hitch height is 13". Must have a 1.5" hole with a dead man zone of 3" on both sides of the hitch, where no weights can be hung. Hitch must be rigid in all directions. The kill switch must be centered approximately 10-12" above the hitch in this area. (Refer to diagram in the back of the book).
16. ALL TRACTORS MUST HAVE a minimum of a 1 lb, fully charged fire extinguisher on board and in reach of the operator. A functional gauge on the fire extinguisher is REQUIRED.

Engine:

17. Engine will be no more than 3 cylinders. May be liquid or air cooled.

18. Engine must be commercially produced with at least 1,000 units build. Engine block must have factory casting model and serial numbers visible and not ground off.
19. Engine will be no more than 70 cubic inches. This is based on the factory casting numbers. No sleeving down or de-stroking larger engines.
20. Water injection will be allowed. Must be plain water only. Combustible agents (alcohol and oxygenators) are NOT allowed in water injection. Soluble oil lubrication additives are permitted.
21. Engine modifications are permitted: Rods, Pistons, Cam and Fuel System.
22. Engine must have a block casting model and serial numbers visible.
23. Engine must have OEM intake manifolds and exhaust manifolds, polishing is permitted. No tube headers or intakes.
24. Head work is permitted on stock OEM heads. No billet heads, no overhead cams. Must be indirect injection. No converting from indirect to direct injection. Injectors must remain in their stock location.
25. Injector and injector pump modifications allowed. No billet injector pumps.
26. Must be "Cam Box" or "PFR" injection pump. No electronic or common rail injection systems.
27. Turbo charging is permitted, but limited to one turbo only.
 - a. Turbo will be fitted with an air shut off on the compressor inlet side of the turbo.
 - b. Exhaust "L" of turbo must have a minimum of ¼ inch cross as close to turbo as possible in elbow with exhaust to discharge vertically.
28. Electric fuel pump supply is permitted with positive power wire to have a disconnect at rear of tractor.
29. No propane, nitrous injection or any type of secondary fuel system of any kind will be permitted.
30. All tractors must be compression ignition and use diesel fuel only. No spark plugs or alcohol may be used as fuel.

31. Stock frames, stock appearing frame rails, and tube frames are permitted. Tube frames must be covered with sheet metal.
32. Must run ¼ inch cable around the oil pan over top of the valve cover in a complete circle connected with 2 cable clamps.
33. No fin or cast flywheels. Must run steel flywheel.
34. Clutch assembly and flywheel must be surrounded 360 degrees with 1/8 inch steel or 3/16 inch aluminum fastened to engine block or chassis. This is also to include cast iron front balancer pulleys. SFI approved front dampers need not be shielded.
35. No belt driven cooling fans, electric fans only.
36. Intercoolers and ice boxes are **NOT** permitted.

Tires and Wheels:

37. Maximum tire size of 26x 12.00 x 12, alterations are allowed.