

David Thompson Snow Riders

GRASS DRAGS

Class Specifications:

If there are any questions about rules not stated here – refer to International Snowmobile Racing (ISR) rules, check the rules section of the SSRA website at www.racessra.com or call the SSRA Tech and Race Director - Dale Roger at (306) 236-4411

General:

- Tethers required on all machines
- Limiter straps allowed in all classes (except Mountain);
 - **must be OEM material, cable and chains not allowed**
- All classes require 2 inches of remaining compression travel with the driver in place
- Cleated tracks are not allowed
- All picked tracks require tunnel enclosure
- Drivers require appropriate footwear (no sandals) and full-length pants
- Must have snow flap
- Cleaning out or spinning of tracks only allowed on stand with backboard
- Must have hoops on ski tips

- A scale will be present at these races –
 - In **Stock** - Driver and gear weight must be **180 lbs** including fuel. For example, if you have a dry weight machine of 470 lbs, it has to tip the scales at **650 lbs**.
 - Please note that if you are a light rider and will have trouble making the **180 lbs** – you need to bring fuel, or weights that can be secured on to the sled to make up the additional weight. If more than one racer is using the same sled and there is considerable difference in weight, you need to make sure the sled is **180 lbs** over dry weight, even with the lightest rider on it
 - In **Improved Stock** the sleds and drivers combined weights must be as follows:
 - 600cc – 700 lbs (3 cylinder) or **645 lbs** (2 cylinder)
 - 700cc – 750 lbs (3 cylinder) or **695 lbs** (2 cylinder)
 - 800cc and 1000 cc – 775 lbs (3 cylinder) or 685 lbs (2 cylinder)
 - Pro Stock, Open Modified and Heavy Modified will run by ISR guidelines

- Scale will be used in **all classes except** Women's, Junior, Junior Novice, Mini Sled, Stock Mountain, Modified Mountain, and Vintage

- Drivers in all classes, except Mini, Junior and Junior Novice must be 16 years old or older

Unique Sled Rulings:

- Yamaha Attak, Rx 1 and Artic Cat 660 are classed as triple piped machines and can't run in 600s or 700s classes
- Polaris 750 Turbo may enter 500 class
- ANY modifications to the stock turbo sleds, or if you add a turbo to any machine, the machine can only run in 1000 Modified Mountain, Open Modified 1000 and King classes
- Yamaha Vector, Rage, Nytro, Phazar may all run in the 500 class
- Turbo Yamaha may run in Open Modified 1000 and King, and must weigh 625 lbs

Stock (including Women's, Junior and Junior Novice)

No traction products allowed

Must have OEM (or factory designed replacement) engine, hood, frame, cowl, gas tank, carburetion, suspension and variable speed converter
No component of the engine may be altered; this is to include polishing, port matching or blueprinting
No changes in engine dimensions can be made by gasket adjustments
Maximum cylinder overbore for wear cannot exceed 0.020 inches (0.5 mm)
No carb modifications
No additional fuel pumps
Oil injection pump must remain functional
Exhaust system must be stock, complete and unaltered (Stingers are allowed)
Air box can be replaced with after market filter. Air boxes cannot be modified
Any springs or weights may be used, after market helixes are allowed
Track sprockets/drivers must remain OEM for the model
Track changes allowed but no grass drag tracks, cutting or porting of tracks
OEM shocks must remain in place
No chassis or suspension alterations
Marginal snow wheels and related hardware may be added or removed from the slide rails
Rear idler wheels must remain OEM
After market skis are allowed

Improved Stock:

Traction Products Allowed

Any alterations allowed in Stock allowed in Improved
Must have OEM engine, belly pan, fuel tank and frame,
Any hood that maintains stock appearance is allowed
Engine modifications allowed, with no more than 1 % overbore, no strokers
Engine modifications must be done from original casting
No pressurized fuel systems allowed
No turbos or blowers
No open pipes
Air box may be removed; oil pumps may be removed
Carbs and flanges must be OEM
Reed changes and shorty covers allowed
Commercially available, aftermarket heads allowed
Drop and Roll allowed
Stab wheels and Clutch must be in place
(Some discretion will be allowed on machines with only minor modifications)
If traction products are used, must have wrap around safety shielding

Improved Stock 1000

Same as improved except:

Stroke may be changed

After market cylinders allowed (must be commercially available)

Stock Mountain:

Same as stock, but must have a 1 ¾ " or 2" track 136" or longer
Any commercially available track allowed
No cutting of tracks

Modified Mountain Class:

Any modifications allowed in Stock, Improved or Pro Stock allowed in Mountain
Must have a 1 ¾" or 2" track
Hood may be removed
360° clutch cover required on Modified Machines
No bolt on traction products
No trimming of tracks
Track porting allowed
Fuel tank must be from stock qualified snowmobile
Turbo and nitrous allowed

Pro Stock Class:

Any alterations allowed in Stock or Improved allowed in Pro Stock
Must have stock belly pan and stock appearing seat, hood and tank
Must have stock appearing chassis
Any tracked suspension is allowed
Traction devices are allowed. No screws
If traction products are used, must have wrap around safety shielding
All carb changes are allowed
Maximum of 2% over cc displacement for class is allowed
If plate is used to raise cylinders, can be no more than 0.5 inch thick No super charge, turbos or pressurized fuel systems
Head changes allowed
Strokers allowed
Any ignition allowed in 800 and 1000
Pro Stock Clutch Guard required on Pro Stock Machines
Stab wheels must be in place

Open Modified Class:

Must have 360 degree clutch covers or belly pan and clutch cover
If traction products used, wrap around shielding is required
Stab wheels must be in place

King Class:

Maximum engine size in King is 1000cc plus 5% overbore (1050cc). Four strokes may be turbo charged, but must incorporate a restrictor plate as per ISR regulations. No use of turbo or super charging on two strokes. No use of nitrous oxide injection on any engine.

Heavy Modified Class:

Stab wheels must be in place
Naturally aspired machines only
Minimum class weight is 550 lbs combined

Women's Class

STOCK machines only

Vintage Class

Machines must be 15 years or older

Mini Sleds

Kitty Kats, Mini Z's and the like

Free registration

Parental Consent must be signed

Junior Class

600cc **STOCK** machines and under only drivers must be 14 - 16 years of age

Parental Consent must be signed

Junior Novice

400cc or smaller **STOCK** machines

Drivers must be 10 - 13 years old

Parental Consent must be signed