

Stock Altered 16hp and under 1050#

1. Single cylinder four cycle flathead engines only.
2. Engines must be Kohler, Wisconsin, Tecumseh or Briggs.
3. Engine blocks must have an OEM stock appearance. The current approved blocks are the K-Series Kohler block and the MWSC Stock Altered block.
4. Engines must be factory productions or their OEM replacement with factory deck height.
5. Stock Head bolt pattern = stock head gasket must fit over studs or bolts.
6. Stock Head bolt location and head bolt size.
7. Maximum crankshaft stroke 3.25"
8. Maximum engine bore 3.780"
9. 36.5000 cubic inch limit
10. Maximum engine valve size 1.380
11. Maximum engine valve lift .330"
12. Maximum carburetor venturi size 1.00", no air entering after 1.00" restriction, venturi must be round in shape.
13. Carburetor must be mounted to the engine with no more than 1" spacer
14. No reverse port engines allowed carburetor must go to the original intake port.
15. Carburetor must be a stock appearing Kohler-type
16. Billet heads permitted
17. Porting and polishing allowed
18. No external welding or external modifications allowed
19. All thread through finned area is acceptable
20. Welding permitted in crankcase area of the block for repair.
21. Methanol only. See Rule 5.
22. Must run a factory appearing hood and grill.
23. Tractors must have garden tractor rear-ends.
24. Tractors must use stock appearing garden tractor frames.
25. Frames should maintain factory length, but not mandatory.
26. Weight Class 1050 lbs., other weight classes may be pulled.

27. Wheelbase: 52 inches maximum

28. Top placing tractors will be checked for, but not limited to: Fuel, Bore, Stroke, Carb Size, Valve Lift & Valve Size and deck height.

Cubic Inch: 36.500 Cu. In. No Tolerance. Formula for CU. IN. is Measured bore x measured bore x measured stroke x .785 = Cu. In. All bores measured 90 degrees from thrust side.

29. If running a factory Kohler produced block the maximum size bore will be 3.830" with a maximum cubic inch of 37.500.

30. Parameter Measurement Tolerance

Stroke 3.250" 0.010", must not exceed in3 limit

Bore 3.780" 0.010" must not exceed in3 limit

Carb 1.000" 0.001"

Valve Lift 0.330" 0.005"

Valve Size 1.380" 0.001"

31. Head Bolt Pattern: Stock Gasket must fit over head studs or bolts.