

2018 VKA Class Guidelines (Changes are in grey.)

1. HISTORIC	1956 to 1964 rear engine karts and engines; single, dual, or triple engines, 16.5 c.i. (270cc) max displacement; Must have vintage-style dry clutches or direct drive ; box muffler; vintage tire required; Promoter may split class as per VKA <i>Guidelines</i> (Para. 6a); duals/triples in front. This is a non-points, Tier II demo class.
2. JUNIOR/WOMEN REAR OR SIDEWINDER	Junior (Boys/Girls ages 10-14) - Single 100cc (6.1 c.u. in.) max. American Fan Cooled Engine (<i>i.e.</i> West Bend, McCulloch, Power Products, Homelite) or West Bend 820. All engines will run single HL 1" or smaller carb throttle bore. Any intake allowed, but West Bend must use V-Reed or Go Power, 4 or 6 petal cage, Vintage-style dry clutch, box muffler and vintage tires required. Yamaha KT100 engine may be used with WA55 Walbro carb, dry clutch, "limited" exhaust system and vintage tires. (See Yamaha Limited Class for pipe requirements.) (Junior and Women class can run rear or sidewinder kart.)
3. SPORTSMAN REAR	Rear American engines; 8.2 c.i. (135cc) max displacement; WB-820 with 8.2 c.i. (135cc) max displacement must be industrial-type; McCullochs must be 6.1 c.i. (100cc) max displacement or saw blocks over 80cc. small single intake manifold allowed (WB V-reed, Homelite reed, Go Power reed, etc.). Manifold to have an HL bolt pattern. Single HL 1-inch maximum throttle bore carburetor Small Mac flat-back carb OK. Must have vintage-style dry clutch, box muffler and vintage tires. MC-91, 92 and 93 engines are allowed.
4. MAC 49/SAW	Rear engine karts; Mc49 or 80cc saw block engines. 1.375 maximum stroke; Aftermarket small single intake manifolds allowed (WB V-reed, Homelite reed, Go Power reed, etc.) or factory Mc 49 intake. Manifold to have an HL bolt pattern. Single HL 1-inch maximum throttle bore carburetor or small Mac flat-back carburetor; Vintage style dry clutch; Box muffler; Vintage tires.
5. SINGLE REAR 6.1	Rear engine karts; American engines only, 6.1 c.i. (100cc) max displacement; pipes and oil clutches allowed; no disc clutches; any carburetor combinations, vintage tires.
6. SINGLE REAR 8.2	Rear engine karts; American engines only, 8.2 c.i. (135cc) max displacement; pipes and oil clutches allowed; no disc clutches; any carburetor combinations, vintage tires.
7. DUAL REAR, B- & C-OPEN	C-Open: American engines only, 16.5 c.i. (270cc) max displacement; pipes and oil clutches (no disc clutches); vintage tires. Any Historic B or C Class dual engine rear karts may run this class. B-Open: American engines only, 12.2 c.i. (200 cc) max, dry clutch, box mufflers, #35 chain, and vintage tires. (B-Open to be run in concert with C-Open and scored separately.)
8. SINGLE 6.1 S/W AMER.	Pre-1980 sidewinder with American fan cooled engines, 6.1 c.i. (100cc) max displacement; engine clutches only; pipes allowed; modern tires allowed; one-inch axle. Max kart width of 48 inches.
9/10. SINGLE 6.1 FOREIGN 8.2 AMERICAN SW	Pre-1980 sidewinder with American fan cooled engines, 8.2 c.i. (135cc) max displacement or Foreign or American engines, 6.1 c.i. (100cc) max displacement produced before 1980;; engine clutches only; pipes allowed; modern tires allowed; one-inch axle. Max kart width of 48 inches.
11. SINGLE 8.2 S/W FOREIGN	Pre-1980 sidewinder with Foreign or American engines, 8.2 c.i. (135cc) max displacement produced before 1980; engine clutches only; pipes allowed; modern tires allowed; one-inch axle. Max kart width of 48 inches.
12. OVER-60	Drivers 60yrs +; Rear or pre-1980 sidewinder karts; American, fan-cooled, 6.1 c.i. (100cc) max displacement engines; pipes allowed; oil clutches allowed; no disc clutches; vintage tires; any carburetor combinations. Promoters should consider separating the sidewinder and rear engine karts for scoring purposes when participation is sufficient to do so. Allow sidewinders to start in the front. Max kart width of 48 inches.

13. DUAL SIDEWINDER	Sidewinder with Foreign or American engines, 16.5 c.i. (270cc) max displacement; engine clutches only; pipes allowed; modern tires allowed. Tire compound durometer minimum of 48. Bridgestone YLC and MG tires allowed. May use any approved single sidewinder tire (see par. 6b); 1¼" axle allowed if original; karts and engines must be manufactured prior to '83.
14. 80-87 SIDEWINDER	1980 – 1987 sidewinder with Foreign or American engines, 6.1 c.i. (100cc) max displacement; pipes allowed; engine clutches only; modern tires allowed; 1¼" axle allowed; kart and engine must be manufactured prior to 1988 – see Engine Schedule. (Para. 6c) Max kart width of 50 inches.
15. SPORTSMAN S/W (STOCK APPEARING)	Sidewinder (pre-1980) with 6.1 c.i. (100cc) max displacement, American fan cooled engine; single carburetor (Mikuni, Tillotson, or McCulloch), any size throttle bore; Factory V4 intake; modern tires allowed until 12/31/2018; box muffler; vintage-style dry clutch (Horstman Rev Grip or Max-Torque). Effective 2019: Vintage tires only. West Bend-Only Class- Stock appearing West Bend 820 with stock bore and stroke (fan cooled), box muffler, small, single West Bend factory manifold and V4 reed cage with a 1" max throttle bore, HL carb, modern style tires, pre-1980 sidewinder with 1" axle, OEM Max-Torque dry clutch with no add-ons. To be run in concert with Sportsman S/W, but scored separately. For drivers 15 years or older. Max kart width of 48 inches.
16. YAMAHA PISTON PORT	Sidewinder karts (thru 1987) with single 100cc (KT100S), 1975 to present; piston port only; max. bore - 2.090"; max. stroke - 1.816"; "stock appearing" - internal modifications allowed; factory ignition system only (exception- "RVL" TCI replacement module OK); Walbro WB3A carburetor only; pipe allowed; Horstman DXL wet disc, Hartman, L & T wet disc, Burco, Max Torque clutches only (no modern clutches); Third bearing support required; 1" or 1¼" axle; modern tires; gasoline only. Max kart width of 50 inches. 219-chain allowed.
17. YAMAHA LIMITED	Sidewinder karts (thru 1987) with single KT100s, piston-port engine, max bore – 2.090" – max stroke = 1.816" – WKA stock specification guidelines to apply; factory ignition systems only (exception- RLV TCI replacement module allowed); Walbro WB3A carb with max 0.950" venturi; "limited" pipe (FY-Sr/K1/K2) at 12" minimum length (piston to start of first cone); Horstman DXL, Hartman, L+T, Burco, Max-Torque clutches only; no modern clutches; no direct drive or Tomar clutches; 3 rd bearing support required; Max kart width of 50 inches. 219-chain allowed.

OPTIONAL 4-CYCLE STOCK DIVISION; 1987 or older; 16 or older; catch tank required; chain guard.

ENGINES	Briggs & Stratton; 5hp; Raptor-style Flathead; stock carb & gas tank; Carb max dia. 0.695" "no-go" measured from engine side; bore 2.625" "no-go"; stroke 2.440 "no-go"; intake valve 1.065" "no-go"; exhaust 0.945" "no-go"; max cam lift 0.234" (check as run); flywheel stock B&S (#555667) no modifications (min. wt. 6#-4oz.)						
TIRES	Modern tires OK						
CLUTCHES	Dry only						
EXHAUST	RLV B91						
REAR AXLE	1" or 1 ¼" OK						
FUEL	Gas or alky OK; no performance enhancing additive (e.g. nitro)						
WEIGHT	No weight restrictions	→	→	TECH	Yes	CHAIN	#35

OPTIONAL 4-CYCLE MODIFIED DIVISION; 1987 or older; 16 or older; catch tank required; chain guard.

ENGINES	Briggs & Stratton; 5hp; Raptor-style Flathead; Tillotson carb allowed; 0.900" "no-go" venturi max; any manifold; external fuel pump allowed (must be pulsed from manifold; bore 2.625" "no-go"; stroke 2.440 "no-go"; intake valve 1.065" "no-go"; exhaust 0.945" "no-go"; no cam check; no stock flywheels; billet flywheel mandatory (min. wt. 4#-12oz.)						
TIRES	Modern tires OK						
CLUTCHES	Dry only						
EXHAUST	RLV B91 (outlet holes 0.1285" "no-go")						
REAR AXLE	1" or 1 ¼" OK						
FUEL	Gas or alky OK; no performance enhancing additive (e.g. nitro)						
WEIGHT	No weight restrictions	→	→	TECH	Yes	CHAIN	#35