



KARTSPORT NEW ZEALAND MANUAL

SECTION E – CLASSES

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E CLASSES

E1/E2 SUPERKART CLASSES

See Section S.

E3 CHAMPIONSHIP SPRINT CLASSES

Notes:

- If a class is not contested for two consecutive years at the National Sprint Championships it will become a Non-Championship class. **Exception:** Any class superseding another is to have four years not contested before becoming Non-Championship.
- Maximum of 10 Championship Sprint Classes at any one time. **Exception: Maximum of 12 Championship classes only if Junior 100cc Yamaha/ Vortex ROK DVS Junior and 100cc Yamaha/ Vortex ROK DVS are running together respectively.**

E3.1 JUNIOR CHAMPIONSHIP CLASSES (For age limits see Section D)

E3.1.1 CADET ROK:

Drivers: 6 years and under 11 years. Drivers under 7 years can only hold an Unrated Licence.

Chassis: (Rule K3)

Eligible engine: Vortex Kiwi Mini ROK to KartSport New Zealand specs. (Rule N10)

MAW: 99kg.

Clutch: Obligatory. Must be original Vortex clutch (Rule M2)

Fuel: Pump petrol (Rule L4.1)

Oil: Motul Grand Prix 2T only

Brakes: Front wheel brakes not permitted.

Tyre restricted class. (Rule L3.5)

E3.1.2 VORTEX MINI ROK

Drivers: 9 years and under 13 years.

Eligible engine: Vortex Kiwi Mini ROK to KartSport New Zealand specs. (Rule N10)

Clutch: Obligatory Must be original Vortex clutch (Rule M2)

MAW: 120kg.

Fuel: Pump petrol (Rule L4.1)

Oil: Motul Grand Prix 2T only

Brakes: Front wheel brakes not permitted.

Tyre restricted class. (Rule L3.5)

E3.1.4 JUNIOR 100cc YAMAHA

Drivers 12 years and under 17 years.

Eligible engine: 100cc Yamaha KT100S piston port to KartSport New Zealand specs. (Rule N1)

Clutch Optional (Rule M2)

MAW: 133kg.

Fuel: Pump petrol (Rule L4.1)

Brakes: Front wheel brakes not permitted.

Tyre restricted class. (Rule L3.5)

E3.1.5 VORTEX ROK DVS JUNIOR

Drivers 12 years and under 17 years

Eligible Engine: Vortex ROK DVS (Rule N2)

MAW 140kg

Fuel: Pump petrol (Rule L4.1) 98 octane recommended, 95 octane minimum.

Oil: Motul Grand Prix 2T only

Tyre restricted class. (Rule L3.5)

Brakes: Front wheel brakes not permitted.

No carbon fibre/kevlar nor composite materials are permitted except for seat and undertray.

To be run off the front of the Junior 100 Yamaha field at Championship events and classified separately.

E3.1.6 125cc ROTAX MAX JUNIOR

Drivers 12 years and under 17 years

Eligible Engine: Rotax FR125 Max Junior (Rule N14)

MAW 145kg

Clutch: Obligatory Must be original Rotax clutch (Rule M2)

Fuel: Pump petrol (Rule L4.1).

Tyre restricted class. (Rule L3.5) (Refer Supplementary Rules for NZRMC Rounds)

Brakes: Front wheel brakes not permitted.

No carbon fibre/kevlar nor composite materials are permitted except for seat and undertray.

E3.2 SENIOR CHAMPIONSHIP CLASSES

E3.2.1 100cc YAMAHA

Eligible engine: 100cc Yamaha KT100S piston port to KartSport New Zealand specs. (Rule N1)

Clutch Optional (Rule M2)

MAW: 155kg.

Fuel: Pump petrol (Rule L4.1)

Brakes: Front wheel brakes not permitted.

Tyre restricted class. (Rule L3.5)

E3.2.2 ROTAX DD2

Eligible engine: Bombardier Rotax 125 Max DD2 to KartSport New Zealand specs.

MAW 173kg.

Clutch: Obligatory Must be original Rotax clutch (Rule M2)

Fuel: Pump petrol (Rule L4.1)

Tyre restricted class: (Rule L3.5)

Brakes: operating on front and rear wheels mandatory.

No carbon fibre/kevlar nor composite materials are permitted except for seat and undertray.

Rotax rear tyre protection system must be fitted (ref Rule K1.6)

Chassis: 125-MAX-DD2 specific

E3.2.3 125cc ROTAX MAX LIGHT

Eligible engine: Bombardier Rotax FR125 Max to KartSport New Zealand specs.
MAW 165kg.
Clutch: Obligatory Must be original Rotax clutch (Rule M2)
Fuel: Pump petrol (Rule L4.1)
Tyre restricted class. (Rule L3.5) (Refer Supplementary Rules for NZRMC Rounds)
Brakes: Front wheel brakes not permitted.
No carbon fibre/kevlar nor composite materials are permitted except for seat and undertray.

E3.2.4 125cc ROTAX MAX HEAVY

Eligible engine: Bombardier Rotax FR125 Max to KartSport New Zealand specs.
MAW 185kg.
Fuel: Pump petrol (Rule L4.1)
Clutch: Obligatory Must be original Rotax clutch (Rule M2)
Tyre restricted class. (Rule L3.5)
Brakes: Front wheel brakes not permitted.
No carbon fibre/kevlar nor composite materials are permitted except for seat and undertray.
(**Note:** A competitor is not permitted to compete in more than one 125cc Rotax Max class at any one event.)

E3.2.5 KZ2

125cc reed valve engine as homologated by the CIK for the KZ2 class with the homologated gearbox ratios, homologated exhaust pipe and a CIK homologated inlet silencer and exhaust silencer for the respective engine.
MAW: 175 kg.
Fuel: Pump petrol (Rule L4.1)
Tyre restricted class. (Rule L3.5)
For further information (Rule N3, N4, N5 and N6)

E3.2.6 OPEN

Maximum capacity 250cc.
Fuel: Category 1 (Rule L4.1)
Tyre restricted class. (Rule L3.5) (from 1-2-17)
This class is controlled by the listed MAW weights.
Single Raket 120 and Briggs & Stratton LO206 powered karts not permitted.

NON GEARBOX

100cc rotary or reed	130 kg.
Over 100cc and up to 150cc	140 kg.
Over 150cc and up to 250cc	160 kg.
Up to 250cc Four Stroke Wankel Rotary Engine	160 kg.

GEARBOX

Up to 125cc motorcycle engine	170 kg.
Up to 125cc non-motorcycle engine	170 kg.
Over 125cc and up to 250cc	170 kg.

E3.2.7 VORTEX ROK DVS

Eligible engine: Vortex ROK DVS (Rule N2)

MAW: 158kg.

Fuel: Pump petrol (Rule L4.1) 98 octane recommended, 95 octane minimum.

Oil: Motul Grand Prix 2T only

Brakes: Front wheel brakes not permitted.

Tyre restricted class. (Rule L3.5)

No carbon fibre/kevlar nor composite materials are permitted except for seat and undertray.

To be run off the front of the 100cc Yamaha field at Championship events and classified separately.

E4 NON CHAMPIONSHIP CLASSES

E4.1 JUNIOR NON CHAMPIONSHIP CLASSES (For age limits see Section D)

E4.1.1 FORMULA JUNIOR

Drivers 12 years and under 17 years.

Eligible engines:

Any stock, purpose built kart engine up to 125cc Non gearbox and fitted with an engine clutch to the manufacturer's specifications. No power valves permitted.

Approved engines are:

Rotax FR125 Max Junior (Rule N14)

MAW: 145kg

Clutch: Obligatory. (Rule M2) Original as supplied with engine.

Fuel: Pump petrol (Rule L4.1)

Brakes: Front wheel brakes not permitted.

Tyre restricted class. (Rule L3.5)

E4.1.2 JUNIOR CLUBSPORT 120

Drivers with a Junior ClubSport Licence, minimum age 11 years, are also eligible to compete in this class.

Maximum licence rating 'Tier 2'.

Eligible engine: Raket 120 to KartSport New Zealand specs.

MAW 133kg

Fuel: Pump petrol (Rule L4.1)

Brakes: Front wheel brakes not permitted.

Tyre restricted class. (Rule L3.5)

Clutch: Obligatory. Must be the clutch as originally supplied with the Raket 120 engine. (Rule M2)

Chassis: Exactly as per KartSport New Zealand chassis sprint unless otherwise specified. (Rule K1)

Telemetry: No data acquisition systems or telemetry devices other than rev counter and or lap timer with or without memory. No temperature measuring or recording devices allowed.

Rules for this class are under the control of KartSport New Zealand Executive. The KartSport New Zealand Executive reserves the right to alter the class specifications to ensure fairness of competition, safety and the wishes of the competitors. Only written submissions from Clubs will be accepted for changes, with the Executive acting on them if considered necessary.

E4.1.3 CADET RAKET

Drivers: 6 years and under 11 years. Drivers under 7 years can only hold an Unrated Licence.

Chassis: (Rule K3)

Eligible engine: Raket 85 to KartSport New Zealand specs. (Rule N11)

MAW: 88kg.

Clutch: Obligatory. Must be original Radne clutch (Rule M2)

Fuel: Pump petrol (Rule L4.1)

Brakes: Front wheel brakes not permitted.

Tyre restricted class. (Rule L3.5)

Club Day only competition.

E4.1.4 JUNIOR CLUBSPORT LO206

Drivers with a Junior ClubSport Licence, minimum age 11 years, are also eligible to compete in this class.

Eligible engine: Briggs & Stratton LO206 to KartSport New Zealand specs.

MAW 137kg

Fuel: Pump petrol (Rule L4.1)

Oil: Amsoil Briggs & Stratton synthetic 4T Racing Oil only

Brakes: Front wheel brakes not permitted.

Tyre restricted class. (Rule L3.5)

Rear rims for Dry tyres: 205mm (8 inch nominal) wide minimum.

Clutch: Obligatory. Must be the Hilliard Inferno Flame to KartSport New Zealand specs.

Telemetry: No data acquisition systems or telemetry devices other than rev counter and or lap timer with or without memory. No temperature measuring or recording devices allowed.

Rules for this class are under the control of KartSport New Zealand Executive. The KartSport New Zealand Executive reserves the right to alter the class specifications to ensure fairness of competition, safety and the wishes of the competitors. Only written submissions from Clubs will be accepted for changes, with the Executive acting on them if considered necessary.

E4.2 SENIOR NON CHAMPIONSHIP CLASSES

E4.2.1 CLUBSPORT LO206 LIGHT

Eligible engine: Briggs & Stratton LO206 to KartSport New Zealand specs.

MAW 157kg. NOTE: Clubs can choose to run a single weight class at 167kg.

Fuel: Pump petrol (Rule L4.1)

Oil: Amsoil Briggs & Stratton synthetic 4T Racing Oil only.

Brakes: Front wheel brakes not permitted.

Tyre restricted class. (Rule L3.5).

Rear rims for Dry tyres: 205mm (8 inch nominal) wide minimum.

Clutch: Obligatory. Must be the Hilliard Inferno Flame to KartSport New Zealand specs.

Telemetry: No data acquisition systems or telemetry devices other than rev counter and or lap timer with or without memory. No temperature measuring or recording devices allowed.

Rules for this class are under the control of KartSport New Zealand Executive. The KartSport New Zealand Executive reserves the right to alter the class specifications to ensure fairness of competition, safety and the wishes of the competitors. Only written submissions from Clubs will be accepted for changes, with the Executive acting on them if considered necessary.

E4.2.2 100cc YAMAHA LIGHT

Eligible engine: 100cc Yamaha KT100S piston port to KartSport New Zealand specs. (Rule N1)

Clutch Optional (Rule M2)

MAW: 144kg.

Fuel: Pump petrol (Rule L4.1)

Brakes: Front wheel brakes not permitted.

Tyre restricted class. (Rule L3.5)

E4.2.3 CLUBSPORT LO206 HEAVY

Eligible engine: Briggs & Stratton LO206 to KartSport New Zealand specs.

MAW 177kg. NOTE: Clubs can choose to run a single weight class at 167kg.

Fuel: Pump petrol (Rule L4.1).

Oil: Amsoil Briggs & Stratton synthetic 4T Racing Oil only.

Brakes: Front wheel brakes not permitted.

Tyre restricted class. (Rule L3.5).

Rear rims for Dry tyres: 205mm (8 inch nominal) wide minimum.

Clutch: Obligatory. Must be the Hilliard Inferno Flame to KartSport New Zealand specs.

Telemetry: No data acquisition systems or telemetry devices other than rev counter and or lap timer with or without memory. No temperature measuring or recording devices allowed.

Rules for this class are under the control of KartSport New Zealand Executive. The KartSport New Zealand Executive reserves the right to alter the class specifications to ensure fairness of competition, safety and the wishes of the competitors. Only written submissions from Clubs will be accepted for changes, with the Executive acting on them if considered necessary.

E4.2.4 CLUBSPORT 120

Maximum licence rating 'Tier 2'

Eligible engine: Raket 120 to KartSport New Zealand specs.

MAW: 160kg

Fuel: Pump petrol (Rule L4.1)

Brakes: Front wheel brakes not permitted.

Tyre restricted class. (Rule L3.5)

Clutch: Obligatory. Must be the clutch as originally supplied with the Raket 120 engine. (Rule M2)

Chassis: Exactly as per KartSport New Zealand chassis sprint unless otherwise specified. (Rule K1)

Telemetry: No data acquisition systems or telemetry devices other than rev counter and or lap timer with or without memory. No temperature measuring or recording devices allowed.

Rules for this class are under the control of KartSport New Zealand Executive. The KartSport New Zealand Executive reserves the right to alter the class specifications to ensure fairness of competition, safety and the wishes of the competitors. Only written submissions from clubs will be accepted for changes, with the Executive acting on them if considered necessary.

E4.2.5 KZ2 MASTERS

Also a Challenge Cup class at the CIK Trophy of NZ.

125cc reed valve engine as homologated by the CIK for the KZ2 class with the homologated gearbox ratios, homologated exhaust pipe and a CIK homologated inlet silencer and exhaust silencer for the respective engine.

MAW: 186 kg.

Fuel: Pump petrol (Rule L4.1)

Tyre restricted class. (Rule L3.5)

For further information (Rule N3, N4, N5 and N6)

Eligible age: 40 years and over

Number Plates (Rule L2.9 applies)

E4.2.6 KZ4

Maximum Licence rating 'Tier 2' unless over 30 years of age.

For Rounds of the ProKart Series only.

125cc reed valve engine as homologated by the CIK for the KZ2 class with the homologated gearbox ratios, homologated exhaust pipe and a CIK homologated inlet silencer and exhaust silencer for the respective engine.

Carburettor components limited to: #50 throttle valve, K8 mixture needle, DQ 265 main spray nozzle, CD1 idle diffuser, #50 idle jet, #150 or #155 high speed jet, #300 needle valve

A spec rear axle must be used. Axle must be marked "Prokart".

Carbon fibre hubs prohibited.

MAW: 186 kg.

Fuel: Pump petrol (Rule L4.1)

Tyre restricted class. (Rule L3.5)

For further information (Rule N3, N4, N5 and N6)

Rules for this class are under the control of KartSport New Zealand Executive. The KartSport New Zealand Executive reserves the right to alter the class specifications to ensure fairness of competition, safety and the wishes of the competitors.

E4.2.7 100cc YAMAHA HEAVY

Eligible engine: 100cc Yamaha KT100S piston port to KartSport New Zealand specs. (Rule N1)

Clutch Optional (Rule M2)

MAW: 165kg.

Fuel: Pump petrol (Rule L4.1)

Brakes: Front wheel brakes not permitted.

Tyre restricted class. (Rule L3.5)

(Note: A competitor is not permitted to compete in more than one 100cc Yamaha class at any one event.)

E4.2.8 ROTAX DD2 MASTERS

For Rounds of the NZRMC only

Masters minimum age as set by Rotax.

Eligible engine: Bombardier Rotax 125 Max DD2 to KartSport New Zealand specs.

MAW 180kg.

Clutch: Obligatory Must be original Rotax clutch (Rule M2)

Fuel: Pump petrol (Rule L4.1)

Tyre restricted class: (Rule L3.5)

Brakes: operating on front and rear wheels mandatory.

No carbon fibre/kevlar nor composite materials are permitted except for seat and undertray.

Rotax rear tyre protection system must be fitted (ref Rule K1.6)

Chassis: 125-MAX-DD2 specific

E4.2.9 ROTAX DD2 HEAVY

For Rounds of the NZRMC only

Eligible engine: Bombardier Rotax 125 Max DD2 to KartSport New Zealand specs.
MAW 193kg.

Clutch: Obligatory Must be original Rotax clutch (Rule M2)

Fuel: Pump petrol (Rule L4.1)

Tyre restricted class: (Rule L3.5)

Brakes: operating on front and rear wheels mandatory.

No carbon fibre/kevlar nor composite materials are permitted except for seat and undertray.

Rotax rear tyre protection system must be fitted (ref Rule K1.6)

Chassis: 125-MAX-DD2 specific