

# Kununurra Water Ski Club

## 45<sup>th</sup> Annual Dam 2 Dam 2026

### 15hp, 25hp & 30hp Standard Motor Rules

1. All drivers are to have a current WA 'Recreational Skippers Ticket' or equivalent and be a minimum of 16 years of age. All race participants under 18 must have signed consent to enter from parent/legal guardian
2. All boats are to have a current 'Western Australian Department of Transport' registration (unless registered interstate and within WA for <3 months (30 days from NT)).
3. **Engine** - Boat shall have only one (1) 'Stock Standard' engine to a maximum HP specified by the class (15, 25 or 30hp). Adjustments or any alterations of any description are not allowed.

#### **15 hp and 25hp must not exceed two cylinders**

#### **30hp maximum cubic capacity of 555cc**

- Engines must retain all original manufacturers' specifications and parts for make & model.
- Engine must be naturally aspirated, no forced induction (turbo/supercharger)
- Restrictor plate must not be removed or modified respective to the engines rated HP and will be checked.
- No porting or polishing, or adjustments to the engine block, manifolds or any other parts permitted. (Exception: Bores can be machined or honed for repair purposes only)
- Timing must be set to manufacturers specifications +/- 1 degree at top dead centre.
- Motor must be secured to transom motors original clamps & using a minimum 2 x M10, Grade 8 bolts.
- Gear box must be to manufacturers specifications with no added nose cones
- Original engines carburettor, reeds, air boxes, head and gaskets, flywheel, electronics and rev limiter.
- Pistons – oversize limit OPEN but MUST be Genuine engine manufacturer's parts (i.e. NO Wiseco or other aftermarket brand)
- **TOP** edge of Cavitation plate must be **NO** higher than the lowest planing surface of the hull.
- No factory parts can be removed except, original engine telltale may be redirected from factory outlet position. Shallow water drive set up, and plastic shroud covering power head bolts may be removed.
- Motor cowling must have, at minimum, one additional latching mechanism
- NO polishing of ports or die grinder blending of engine block casing or other parts permitted.
- Engines can be jetted for tuning purposes (larger only) eg Yamaha 30D, 0.99 or larger jets must be used. R.D.C. has a measured spigot (complies with Yamaha specs for minimum .99 jet) which will be used to check jet size.
- NO nose cones permitted
- NO stabiliser fins permitted on cavitation plate
- Trim pin height is open.
- Aftermarket fuel pumps are NOT permitted.
- Standard Spark Plugs for make and model must be used
- Skegs may be welded for repair but must remain standard shape and thickness ( no sharpening, shaping, or additions)

4. **Boat hulls** -shall be a common mass-produced design.

- Hulls can be aluminium only
- No stabilizing fins, planing planks, trim tabs, turning fins or hydro foils.
- Can be strengthened for safety
- Bow must remain enclosed with sufficient flotation.
- Engine trim shall remain fixed. No use of hydraulic cylinders or trim & tilt plates.
- Transom may be modified to raise or lower motor, but must be in a fixed position – no jacking plates
- Custom seats permitted, bench seats may be removed
- Can be fitted with a centrally mounted keel
- Sides of hull may be lowered or replaced

5. **Propellers**

- Aluminium, through hub exhaust only
- Must be of original manufacturers specification for make and model of engine or aftermarket equivalent
- Propeller may be modified
- Rebushing of propeller allowed for repair purposes only

6. **Cavitation Plate**

- Cavitation plate height is measured by placing a 1200mm straight edge 600mm forward of transom (as in picture).



# Kununurra Water Ski Club

## 45<sup>th</sup> Annual Dam 2 Dam 2026

- Cavitation plate must be lower than the top of the straight edge, on at least one side of the cavitation plate, when the cavitation plate is parallel with the hull.



7. **Fuel** – only high octane 98, Premium ULP or Standard ULP. **NO** AV Gas or additives.
8. **Safety requirements & equipment**
  - All boats must comply with 'Western Australian Department of Transport' safety requirements.
  - All boats must carry a minimum of 3 meters of 6mm tow rope and bailing device.
  - All competitors must wear an 'Australian Standard' AS/NZS 1698, Motorcycle helmet
  - All competitors must wear enclosed footwear, i.e. – deck shoes
  - All competitors must wear a non-self-inflating Australian Standards-approved PFD 3 life vest/jacket.
  - Engines must have a full functioning kill switch with wrist lanyard. Kill switch lanyards must be worn at all times whilst engine is running.
  - Minimum age of navigator/swinger/deckhand is 10. All race participants under 18 must have signed consent to enter from parent/legal guardian
9. All competitors will be required to sign a statutory declaration that their boat abides by the above rules to the best of their knowledge.
10. All competitors agree that the Kununurra Water Ski Club reserves the right to challenge an entered boat at any time. If the competitor is found in breach to the above rules, they will be disqualified from the event and bare any costs to re-assemble the engine.

# Kununurra Water Ski Club

## 45<sup>th</sup> Annual Dam 2 Dam 2026

### 30hp Super Standard Class Rules

1. All drivers are to have a current WA 'Recreational Skippers Ticket' or equivalent and be a minimum of 16 years of age. All race participants under 18 must have signed consent to enter from parent/legal guardian
2. All boats are to have a current 'Western Australian Department of Transport' registration (unless registered interstate and within WA for <3 months (30 days from NT)).
3. **Engine** - Boat shall have only one 'Stock Standard' engine to a maximum of 30hp – 555cc. Adjustments or any alterations of any description are not allowed.
  - Engines must retain all original manufacturers' specifications and parts for make & model.
  - No factory parts can be removed except:
    - Shallow water drive setup may be removed
    - Spark plug boots may be replaced with aftermarket boots (lead and coil pack must remain original for make and model)
    - Original fuel fitting from fuel tank to factory fuel filter may be removed
    - Plastic shroud covering power head bolts may be removed
  - No porting or polishing, or adjustments to the engine block, manifolds or any other parts permitted.
  - Timing must be set to manufacturers specifications +/- 1 degree at top dead centre.
  - Rev limiter may be disconnected or bypassed.
  - Motor must be secured to transom motors original clamps & using a minimum 2 x M10, Grade 8 bolts.
  - Gear box must be to manufacturer's specifications with no added nose cones.
  - Original engines carburettor, reeds, air boxes, head and gaskets, flywheel, electronics.
  - Heads & Bore may be machined for repair purpose only. Heads to have a maximum of 5 Thou removed.
  - Piston over size limit is open but must be genuine not aftermarket.
  - Yamaha outboards may use pre-2009 carburettors on 2009 to current motors.
  - Minimum jet size of 0.99mm. Engines can be jetted larger for tuning purposes.
  - Original tell-tale may be redirected from factory outlet position.
  - TOP edge of Cav plate must be NO higher than the lowest planing surface of the hull.
  - Must not be able to start in gear
4. **Boat hulls** - shall be a common mass-produced design.
  - Hulls can be constructed of wood, aluminium, fibreglass or rubberized.
  - Custom seat(s) are permitted, front seat may be removed
  - Engine trimming devices may be fitted
  - Can be strengthened for safety and must retain sufficient flotation.
  - NO stabiliser fins permitted on cavitation plate.
  - Engine trimming devices permitted.
  - Transom may be modified to raise or lower motor, but must be in a fixed position – no jacking plates
  - Can be fitted with a central mounted keel
5. **Propellers** - Any through hub propeller may be used open to all and any modification. No Brass propellers allowed.
6. **Fuel** – Only high octane 98, Premium ULP or Standard ULP. NO AV Gas or additives.
7. **Safety requirements & equipment**
  - All boats must comply with 'Western Australian Department of Transport' safety requirements.
  - All competitors must wear an 'Australian Standard' AS/NZS 1698 Motorcycle helmet.
  - All boats must carry a minimum of 3 meters of 6mm tow rope and bailing device.
  - All competitors must wear enclosed foot wear, i.e. – deck shoes
  - All competitors must wear a non-self-inflating Australian Standards approved PFD 3 life vest/jacket.
  - Engines must have a full functioning kill switch with wrist lanyard. Kill switch lanyards must be worn at all times whilst engine is running.
  - Minimum age of navigator/ swinger/ deck hand is 14 Years. All race participants under 18 must have signed consent to enter from parent/legal guardian



# Kununurra Water Ski Club

## 45<sup>th</sup> Annual Dam 2 Dam 2026

8. All competitors will be required to sign a statutory declaration that their boat abides by the above rules to the best of their knowledge.
9. All competitors agree that the Kununurra Water Ski Club reserves the right to challenge an entered boat at any time. If the competitor is found in breach to the above rules, they will be disqualified from the event and bare any costs to re-assemble the engine.

### 30hp Modified Motor Class Rules

10. All drivers are to have a current WA 'Recreational Skippers Ticket' or equivalent and be a minimum of 16 years of age. All race participants under 18 must have signed consent to enter from parent/legal guardian
11. All boats are to have a current 'Western Australian Department of Transport' registration (unless registered interstate and within WA for <3 months (30 days from NT)).
12. **Engine** - Boat shall have only one engine to a maximum of 30hp, **3 cylinders**.
  - Pistons, rings, reeds must be original manufacturer specified for engine make & model or mass produced, aftermarket equivalent e.g. – Wiseco & Boysen.
  - Engines can be internally modified e.g.-Porting & polishing, or adjustments to the engine block, manifolds, head shaving, pistons, flywheel, exhaust and cylinder boring.
  - Engines original parts e.g. – Carburettor, crank case, rods, reed block, Flywheel, head, **MUST BE USED** and be original '**manufacturer's specified**' for engine make and model, but **CAN** be modified.
  - No factory parts can be removed except:
    - Shallow water drive setup may be removed
    - Spark plug boots may be replaced with aftermarket boots (lead and coil pack must remain original for make and model)
    - Original fuel fitting from fuel tank to factory fuel filter may be removed
    - Plastic shroud covering power head bolts may be removed
    - Airbox and foam around pull cord
    - Neutral throttle stop linkage
    - Pull cord assembly
    - Head and head water jacket
  - No 'one off' custom manufactured parts to replace genuine parts.
  - Exhaust – engines exhaust passage must remain inside the mid-section casing and engine cowling.
  - All exhaust gases must exit via factory gearbox/mid-section/passages.
  - Engine must be naturally aspirated, with **NO** forced induction permitted.
  - Original tell-tale may be redirected from factory outlet position.
  - Motor must be secured to transom motors using a minimum of 2 x M10, Grade 8 bolts
  - **TOP** of Cav plate must be **NO** higher than the lowest planing surface of the hull.

#### 4. Boat hulls

- Hulls open in design and construction material
- Custom seat(s) are permitted, front seat may be removed
- Engine trimming devices may be fitted
- No planing planks.
- Central keel and/ or turning fins permitted.
- Chines can be modified and turning fins added
- Can be strengthened for safety and must retain sufficient flotation when fully submerged.
- Engine trimming devices permitted.
- Transom may be modified to raise or lower motor, but must be in a fixed position – no jacking plates

#### 5. Propellers – Can be Aluminium, Stainless steel, through hub only, with modifications and re-bushing permitted. No Brass propellers allowed.

#### 6. Cavitation Plate

- Cavitation plate height is measured by placing a 1200mm straight edge 600mm forward of transom (as in picture).



# Kununurra Water Ski Club

## 45<sup>th</sup> Annual Dam 2 Dam 2026

- Cavitation plate must be lower than the top of the straight edge, on at least one side of the cavitation plate, when the cavitation plate is parallel with the hull.



7. **Fuel** – only high octane 98, Premium ULP or Standard ULP. NO AV Gas or additives.

### 8. Safety requirements & equipment

- All boats must comply with 'Western Australian Department of Transport' safety requirements.
- All boats must carry a minimum of 3 meters of 6mm tow rope and bailing device.
- All competitors must wear an 'Australian Standard' AS/NZS 1698, Motorcycle helmet
- All competitors must wear enclosed foot wear, i.e. – deck shoes
- All competitors must wear a non-self-inflating Australian Standards approved PFD 3 life vest/jacket.
- Engines must have a full functioning kill switch with wrist lanyard. Kill switch lanyards must be worn at all times whilst engine is running.
- Minimum age of navigator/swinger/deckhand is 14. All race participants under 18 must have signed consent to enter from parent/legal guardian

11. All competitors will be required to sign a statutory declaration that their boat abides by the above rules to the best of their knowledge.

12. All competitors agree that the Kununurra Water Ski Club reserves the right to challenge an entered boat at any time. If the competitor is found in breach to the above rules, they will be disqualified from the event and bare any costs to re-assemble the engine.

### ENGINE HEIGHT – ALL OUTBOARD CLASSES

For all classes your engine height on the transom shall be as depicted. The **TOP** edge of the Cav plate must be no higher than the lowest planing surface of the boat. However, if the top edge of your Cav plate sits lower than this then you will not have to adjust it.



# Kununurra Water Ski Club

## 45<sup>th</sup> Annual Dam 2 Dam 2026

### MiniJet Class

1. All drivers are to have a current WA 'Recreational Skippers Ticket' or equivalent and be a minimum of 16 years of age. All race participants under 18 must have signed consent to enter from parent/legal guardian
2. All boats are to have a current 'Western Australian Department of Transport' registration (unless registered interstate and within WA for <3 months (30 days from NT)).
3. **Engine, Hull, and Jet – As per MiniJet WA motor class rules**
4. **Fuel** – only high octane 98, Premium ULP or Standard ULP. **NO** AV Gas or additives.
5. **Safety requirements & equipment**
  - All boats must comply with 'Western Australian Department of Transport' safety requirements.
  - All boats must carry a minimum of 3 meters of 6mm tow rope and bailing device.
  - All competitors must wear an 'Australian Standard' AS/NZS 1698, Motorcycle helmet
  - All competitors must wear enclosed foot wear, i.e. – deck shoes
  - All competitors must wear a non-self-inflating Australian Standards approved PFD 3 life vest/jacket.
  - Engines must have a full functioning kill switch with wrist lanyard. Kill switch lanyards must be worn at all times whilst engine is running.
  - Minimum age of navigator/swinger/deckhand is 10. All race participants under 18 must have signed consent to enter from parent/legal guardian
6. All competitors will be required to sign a statutory declaration that their boat abides by the above rules to the best of their knowledge.
7. All competitors agree that the Kununurra Water Ski Club reserves the right to challenge an entered boat at any time. If the competitor is found in breach to the above rules, they will be disqualified from the event and bare any costs to re-assemble the engine.

