

Tuning guide – PKSC Flying Ants

This is meant to be a guide to setting up your boat for different conditions – use this as a base setting and then vary to what works best for you. Absolute wind speed are not mentioned as the heavier the crew the higher the windspeed for changing from Light/Medium/Strong. This guide will be added to over time.

Light breeze

Flat water

- Vang off for upwind – mainsheet controls the leech of the sail
- Vang on enough to control leech downwind but no more
- Luff tension off – even with creases showing – moves deepest point of the sail back allowing for higher pointing
- Foot tension of main reasonably flat upwind and out reaching and reasonably flat square running
- Jib sheeting slightly forward from your normal setting – make sure you don't have it pulled on too tight – just enough to point well.
- Weight forward upwind
- Centreboard down fully upwind
- Stay tensions looser than normal

Choppy water (more than normal for the breeze)

- Luff tensions on a bit to move sail deepest point forward – this also frees up the leech a bit on the main
- Vang same as for flat water
- Foot tension out a bit on main upwind to help with power
- Jib eased from flat water setting by a small amount
- Sail for speed rather than pointing within reason
- Weight reasonably forward upwind but don't dig the bow in too much
- Keep boat flat

Medium breeze

Flat water

- Vang off for upwind – mainsheet controls the leech of the sail – until you are easing main – then vang on enough to control leech with main eased
- Vang on enough to control leech downwind but no more
- Luff tension only on enough to remove most creases – moves deepest point of the sail back allowing for higher pointing
- Foot tension of main reasonably flat upwind and out reaching and reasonably flat square running
- Jib sheeting neutral setting – sheeted on tight enough to point well.
- Weight forward to neutral
- Centreboard down fully upwind until fully powered up then raise slightly

Choppy water

- Luff tensions on a bit more to move sail deepest point forward – this also frees up the leech a bit on the main
- Vang same as for flat water
- Foot tension out a bit on main upwind to help with power
- Jib eased from flat water setting by a small amount
- Sail for speed rather than pointing within reason
- Weight neutral
- Keep boat flat

Strong breeze

Flat water

- Vang on to depower upwind
- Vang on enough to control leech downwind but no more
- Luff tension on to depower as required
- Foot tension of main flat
- Jib sheeting slightly aft from your normal setting – on tight
- Weight neutral to slightly aft upwind depending on wind strength
- Centreboard up 10-20 cms
- Use stronger gusts to sail higher rather than easing main too much
- Keep boat FLAT

Choppy water

- Luff tensions basically as per flat water
- Vang same as for flat water
- Foot tension of main flat
- Jib sheeting aft from your normal setting
- Jib eased from flat water setting
- Sail for speed rather than pointing within reason
- Weight slightly aft of neutral upwind
- Centreboard up more than for flat water
- Keep boat FLAT
- Ease main in gusts to keep boat flat rather than pointing too high

NOTES

- Sailing in choppy water is not the same as flat water – you have to sail upwind for speed rather than absolute pointing and set up sails accordingly
- In choppy water use the waves downwind to help plane quicker
- Don't start depowering your rig until you are overpowered !!
- When you find a setting that works, make a note of it or mark on the boat what the setting was – this way you can instantly go back to that setting in the future.