

Commodore
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Member at Large

<http://wlsc.lizards.net> – <http://groups.yahoo.com/WataugaLakeSailingClub>

WLSC 2010 PHRF Rating Adjustments

Item	Adjustment
Propulsion	
No motor	-3
Feathering prop in aperture	-3
Feathering prop on exposed shaft, retractable outboard or fixed, 2 blade propeller in aperture	0
Fixed propeller, 3 blade, in aperture	+3
Fixed propeller, 2 blade, not in aperture	+6
Non-retractable outboard, submerged on both tacks (well or bracket)	+6
Fixed propeller, 3 blade, not in aperture	+9
Genoa (assumes standard of 136% - 150%; adjust according if rated size is smaller or larger)	
Genoa > 165%	-6
Genoa 156 – 165%	-3
Genoa 135%-155%	0
Genoa 111 – 134%	+3
Genoa < 111%	+6
Whisker pole greater than the rated LP (usually -3 for each 0.5 to 10% increase)	Calc
Spinnaker	
No flying sails of any kind (includes spinnaker, reacher, drifter, etc)	+10
Asymmetric luff attachment point in excess of $1.15 * J$ or end of pulpit, which ever is shorter (usually -3 for each additional 10% J increase), unless standard for rated config (J-105, etc)	Calc
Oversized spinnaker – midgirth > 180% of J or luff > $.95 * \sqrt{J^2 + J^2}$. Adjust in increments of -3 per 0.5 - 5% increase	Calc
Spinnaker Pole > J, unless standard (usually -3 for each 10% increase). Don't double penalize for both oversized pole and oversized midgirth, so long as pole length doesn't exceed midgirth / 1.8	Calc
Roller furling / reefing (not applicable to boats with roller furling as standard equipment)	
Jib - drum above deck, drum not removed, sail always reefable/furlable, UV cover on leech	+6
Notes & Miscellaneous adjustments	
The PHRF philosophy is to adjust ratings for race-ready, self-righting boats based on variations from standard equipment, not for lack of preparation, equipment quality or differences in sailing skills.	Varies
One Design boats sailing in the one-design configuration will not have the O.D. (one design) PHRF rating altered.	
Other parameters (dry-sailed boats, stripped interiors, conversion to inboard or outboard, hull modifications, rigging dimension changes, etc) will considered on a case-by-case basis at the discretion of the race committee.	