

## 2022 PHRF-NB Membership/Rating Certificate

This certificate expires on April 30, 2023, or upon change of ownership, whichever comes first.

**Certificate status: Renewed**

Ratings	
53	66
Spinnaker	Non-Spinnaker

### Administrative Data

<b>Name:</b>	Balloch, Hugh
<b>Address:</b>	Privacy Protected
<b>Email:</b>	
<b>Primary Phone:</b>	
<b>Secondary Phone:</b>	
<b>Yacht Club:</b>	Conanicut YC

### Yacht

<b>Yacht Name:</b> Dragon	<b>Sail Number:</b> 52948
<b>Designer:</b> Frers	
<b>Manufacturer:</b> Nautor Swan	<b>Model:</b> Swan 48 -2
<b>Hull Serial Number:</b> 156	<b>Date Manufactured:</b> 2003
<b>Other Ratings:</b> IRC 1.07	<b>Date Last Rated:</b>

### Boat Measurements

<b>I:</b> 64.8	<b>J:</b> 18.2	<b>LOA:</b> 48.5
<b>P:</b> 59.22	<b>E:</b> 19	<b>LWL:</b> 41
<b>ISP:</b> 66.65	<b>SPL:</b> 18.2	<b>Draft:</b> Max 7.8
<b>Py:</b>	<b>Ey:</b>	
<b>Beam:</b> 14.1	<b>Displacement:</b> 30900	
<b>Rig Type:</b> Sloop	<b>Rig:</b> Masthead	
<b>Keel Weight:</b> 12100	<b>Keel Material:</b> Lead	
<b>Composite Rigging:</b> no	<b>Other Ballast:</b> None	
<b>Mast Material:</b> Carbon	<b>Spinnaker Type(s):</b> Asymmetrical	
<b>Asymmetrical Spinnaker Tacked To:</b> fsprit		

### Sails

Headsails to be used (LP%)		Mainsail Measurements	
<b>Headsail 1</b>	135	<b>MHB</b>	
<b>Headsail 2</b>	100	<b>MUW</b>	
<b>Headsail 3</b>	0	<b>MTW</b>	
<b>Headsail 4</b>	0	<b>MHW</b>	
		<b>MQW</b>	

### Spinnakers to be used

Spin #	JC	SMG	Foot	Luff	Leech
<b>Spin 1</b>	20.47	35.5	31.69	70.8	58.33
<b>Spin 2</b>	20.47	24.6	32.81	65.62	64.8
<b>Spin 3</b>					
<b>Code 0</b>					

**Headsail Credit:** Roller Furling

### Variables

<b>Engine:</b> Inboard	<b>Prop. Type:</b> Feathering
<b>Prop. Install:</b> Exposed Shaft	<b>Rudder:</b> Spade
<b># of Blades:</b> 3	<b>Keel:</b> Fin Keel

### Comments/Modifications

2009: Weight for IRC =35,126 empty & 37,154 loaded..Equipment includes bow thruster, power winches, etc. -- No change in rating. 2015:Changed to 134.9% genoa by Z Sails 2016: New mainsail by Doyle - No change in rating  
2019- Minus 4 distance forward of the headstay  
2019-Revision#1 remove symmetrical spinnakers from sail inventory. Asym adjustment +9 minus distance forward -4 = +5  
2020-Asym reto area -2 plus asym retro install +9 = +7.  
2021: -2 for Carbon mast addition.

### Committee Use Only

PHRF #: 16909		
<b>Base Rating</b>	39	<b>Non-Spin Adj.</b> 20
<b>Genoa Spin Adj.</b>	6	<b>Genoa Non-Spin Adj.</b> 6
<b>Mainsail Adj.</b>	0	<b>Furling Adj.</b> 3
<b>Spin. Area Adj.</b>	7	<b>Whisker Pole Adj.</b> 0
<b>Prop. Adjustment</b>	0	
<b>Mast Adj.</b>	0	<b>Misc. Adj.</b> -2
<b>Committee Signature</b>	<b>Date</b>	
Museler, William	07/15/2021	