

Mainsail: 8000808 Jeff-1 Flicka 20 Mainsail.des

Design Info
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Initial Design Date: 14/8/2024
Boat:
Flicka 20
Client:

Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\8000808 Jeff Pacif

Comments:

Design Data
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Main

Measurements

Luff geodesic: 22.106Ft
Leech geodesic: 23.560Ft
Foot geodesic: 8.573Ft
Head geodesic: 0.338Ft
Upper width (MUW): 1.590Ft
Three-quarter width (MTW): 2.867Ft
Half width (MHW): 5.118Ft
Quarter width (MQW): 7.005Ft
Foot median: 22.708Ft
ORC Mainsail area: 107.422Ft?
Surface area: 110.400Ft?
Clew height: 0.328Ft
Mast rake: 0.000Ft

Battens

Position	Length	Roach	Angle	Luff	Leech	Full
80.000%	1.804Ft	0.566Ft	68.663?	17.730Ft	18.794Ft	
60.000%	2.493Ft	0.648Ft	68.663?	13.353Ft	14.095Ft	
40.000%	2.493Ft	0.552Ft	68.663?	8.977Ft	9.397Ft	
20.000%	2.165Ft	0.311Ft	68.663?	4.600Ft	4.698Ft	

Reefing Points

1, Luff: 2.476Ft ; Leech: 2.592Ft ; Offset: 0.000Ft ; Number Eyelets: 2
2, Luff: 4.974Ft ; Leech: 5.199Ft ; Offset: 0.000Ft ; Number Eyelets: 2

Draft Stripes

1, Luff: 7.295Ft ; Leech: 7.457Ft ;
2, Luff: 14.590Ft ; Leech: 15.226Ft ;

Luff Slides

1, Position: 2.023Ft
2, Position: 4.500Ft
3, Position: 6.853Ft
4, Position: 9.032Ft
5, Position: 11.211Ft
6, Position: 13.390Ft
7, Position: 15.569Ft
8, Position: 17.748Ft
9, Position: 19.927Ft

Luff Curve

		Fanned Luff (@ 5.00% [0.427Ft])	Before BSeam
22.106Ft,	0.000Ft	100% (22.106Ft) :	0.000Ft
19.351Ft,	-0.052Ft	90% (19.896Ft) :	0.032Ft
16.579Ft,	-0.088Ft	80% (17.685Ft) :	0.058Ft
13.801Ft,	-0.104Ft	70% (15.475Ft) :	0.073Ft
11.053Ft,	-0.106Ft	60% (13.264Ft) :	0.077Ft
8.237Ft,	-0.098Ft	50% (11.053Ft) :	0.076Ft
5.526Ft,	-0.079Ft	40% (8.843Ft) :	0.070Ft
2.755Ft,	-0.045Ft	30% (6.632Ft) :	0.059Ft
0.000Ft,	0.000Ft	20% (4.421Ft) :	0.042Ft
		10% (2.211Ft) :	0.020Ft
		0% (0.000Ft) :	0.000Ft

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Seam Allowances			
Zone: 1	Split	Radial	Cross
	0.082Ft	0.082Ft	0.082Ft

Edge Excesses			
Sail:	Luff	Leech	Foot
	0.000Ft	0.000Ft	0.000Ft

Total Seam Lengths (Ft)

Horizontal	33.96
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (Ft ²)	Panels
Material 1	110.06	1,2,3,4,5 6,7

