

Asymmetric: 8000103 Kjetil Bavaria46 AspinV2.des Fareast/ Michael,

Design Info
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Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\8000103 Kjetil\800

Initial Design Date: 20/2/2024
Boat:
Bavaria 46 Cr
Client:
Fareast/ Michael,

Comments:
Bavaria 46 Cr, 9/10 rig, 135.2 m2
Isp = 17.34m, Jsp = 5.350 m + 50 cm sprit =5.85 m
Luff = 18.650 m
Leech = 15.75 m
foot = 10.33 m
smw = 9.05 m
radial seams = 15 mm, zone seams = 25 mm

Design Data
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Asymmetric

Measurements

Luff length (SLU):	18.650m	
Leech length (SLE):	15.753m	
Foot length (SFL):	10.330m	
Headboard Width:	0.020m	
Three-quarter width:	5.365m	Closest Pt: 4.410m
Half width (SHW):	9.048m	Closest Pt: 8.119m
Quarter width:	10.492m	Closest Pt: 10.222m
ORC Area:	133.376m?	
IRC Area:	132.843m?	
Surface Area:	136.153m?	
Hoist height:	17.570m	
J:	5.850m	

Luff Curve

		Fanned Luff (@ 5.00% [0.443m])	Before BSeam
15.500m,	0.000m	100% (18.649m) :	0.000m
11.625m,	0.000m	85% (15.773m) :	1.085m
7.750m,	0.000m	72% (13.394m) :	1.797m
3.875m,	0.000m	61% (11.386m) :	2.196m
0.000m,	0.000m	51% (9.566m) :	2.342m
		42% (7.871m) :	2.280m
		34% (6.254m) :	2.049m
		25% (4.677m) :	1.682m
		17% (3.116m) :	1.209m
		8% (1.558m) :	0.637m
		0% (0.000m) :	0.000m

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Seam Allowances

	Split	Radial	Cross
Zone: 1/a	0.025m	0.015m	0.025m
Zone: 1/b	0.025m	0.015m	0.025m
Zone: 2/a	0.025m	0.015m	0.025m
Zone: 2/b	0.025m	0.015m	0.025m
Zone: 3/a	0.025m	0.015m	0.025m
Zone: 3/b	0.025m	0.015m	0.025m
Zone: 4	0.025m	0.015m	0.025m

Edge Excesses

Sail:	Luff	Leech	Foot
	0.000m	0.000m	0.000m

Total Seam Lengths (m)

Horizontal	28.65
Radial/Vertical	324.86
Bi-Radial Split	11.10

Materials

Material	Area (m ²)	Panels
light blue	136.35	1\1,1\2,1\3,1\4,1\5 1\6,1\7,1\8,1\9,1\10 1\11,1\12,1\13,1\14,1\15 1\16,1b\1,1b\2,1b\3,1b\4 1b\5,1b\6,1b\7,1b\8,1b\9 1b\10,1b\11,1b\12,1b\13,1b\14 1b\15,1b\16,2\1,2\2,2\3 2\4,2\5,2\6,2\7,2\8 2\9,2b\9,2b\8,2b\7,2b\6 2b\5,2b\4,2b\3,2b\2,2b\1 3\1,3\2,3\3,3\4,3\5 3\6,3\7,3\8,3b\8,3b\7 3b\6,3b\5,3b\4,3b\3,3b\2 3b\1,4\1,4\2,4\3,4\4 4\5,4\6,4\7,4\8,4\9 4\10,4\11,4\12

