

Asymmetric: 8000103 Kjetil Bavaria46 Aspin.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: 12/1/2024
Boat:
Bavaria 46 Cr
Client:
Fareast/ Michael,

Comments:
Bavaria 46 Cr, 9/10 rig, 135.2 m2
Isp = 17.57, Jsp = 5.50 m + 30 cm sprit =5.80 m
Luff = 18.41 m
Leech = 15.30 m
foot = 10.53 m
smw = 8.96 m
radial seams = 15 mm, zone seams = 25 mm

Design Data
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Asymmetric

Measurements

Luff length (SLU):	18.410m	
Leech length (SLE):	15.300m	
Foot length (SFL):	10.530m	
Headboard Width:	0.020m	
Three-quarter width:	5.271m	Closest Pt: 4.259m
Half width (SHW):	8.963m	Closest Pt: 8.054m
Quarter width:	10.498m	Closest Pt: 11.848m
ORC Area:	130.292m?	
IRC Area:	129.771m?	
Surface Area:	135.284m?	
Hoist height:	17.000m	
J:	5.800m	

Luff Curve

		Fanned Luff (@ 5.00% [0.452m])	Before BSeam
15.500m,	0.000m	100% (18.300m) :	-0.000m 0.000m
11.625m,	0.000m	84% (15.328m) :	-0.319m 1.464m
7.750m,	0.000m	71% (12.920m) :	-0.620m 2.241m
3.875m,	0.000m	60% (10.954m) :	-0.830m 2.493m
0.000m,	0.000m	50% (9.219m) :	-0.931m 2.519m
		42% (7.609m) :	-0.925m 2.390m
		33% (6.061m) :	-0.820m 2.133m
		25% (4.537m) :	-0.646m 1.746m
		17% (3.021m) :	-0.432m 1.251m
		8% (1.508m) :	-0.210m 0.656m
		0% (0.000m) :	0.000m 0.000m

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Seam Allowances

Zone:	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
Sail:	0.000m	0.000m	0.000m

Total Seam Lengths (m)

Horizontal	28.59
Radial/Vertical	325.97
Bi-Radial Split	11.09

Materials

Material	Area (m ²)	Panels
Material 1	135.44	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 1b\1,1b\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

