

Asymmetric: 8000209 Anders Bavaria46 Top-down Asy spinnaker.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\8000209 Anders B

Initial Design Date: 19/2/2024
Boat:
Bavaria 46 Cr
Client:
Fareast/ Michael,

Comments:
Bavaria 46 Cr, 136.75 m2
Isp = 17.56m, Jsp = 4.90 m + 50 cm sprit =5.4 m
Luff = 18.110 m
Leech = 15.55 m
foot = 10m
smw = 9.46 m
radial seams = 15 mm, zone seams = 25 mm

Design Data
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Asymmetric

Measurements

Luff length (SLU):	18.110m	
Leech length (SLE):	15.550m	
Foot length (SFL):	10.000m	
Headboard Width:	0.020m	
Three-quarter width:	5.562m	Closest Pt: 4.452m
Half width (SHW):	9.465m	Closest Pt: 8.479m
Quarter width:	10.701m	Closest Pt: 10.579m
ORC Area:	134.246m?	
IRC Area:	133.709m?	
Surface Area:	136.753m?	
Hoist height:	17.560m	
J:	5.400m	

Luff Curve

		Fanned Luff (@ 5.00% [0.429m])	Before BSeam
15.500m,	0.000m	100% (18.109m) :	0.000m
11.625m,	0.000m	85% (15.310m) :	1.091m
7.750m,	0.000m	71% (12.917m) :	1.894m
3.875m,	0.000m	60% (10.927m) :	2.375m
0.000m,	0.000m	51% (9.170m) :	2.551m
		42% (7.545m) :	2.493m
		33% (5.997m) :	2.255m
		25% (4.490m) :	1.860m
		17% (2.997m) :	1.319m
		8% (1.500m) :	0.677m
		0% (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	29.82
Radial/Vertical	317.37
Bi-Radial Split	10.90

Materials

Material	Area (m ²)	Panels
Material 1	136.90	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

