

Mainsail: 8000314 Attila Bavaria 32 Farr fullbattmain.des

Design Info

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Design File:

\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\8000314 Attila Bavaria

Initial Design Date: 27/3/2024

Boat:

Bavaria 32 Farr

Client:

Comments:

Design Data

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Main

Measurements

Luff geodesic:	11.670m
Leech geodesic:	12.220m
Foot geodesic:	4.040m
Head geodesic:	0.115m
Upper width (MUW):	0.773m
Three-quarter width (MTW):	1.405m
Half width (MHW):	2.484m
Quarter width (MQW):	3.352m
Foot median:	11.904m
ORC Mainsail area:	27.202m ²
Surface area:	27.859m ²
Clew height:	0.176m
Mast rake:	0.000m

Battens

Position	Length	Roach	Angle	Luff	Leech	Full
82.000%	1.115m	0.207m	73.716°	9.562m	9.985m	Full
62.000%	2.049m	0.295m	73.716°	7.228m	7.549m	Full
42.000%	2.818m	0.265m	73.716°	4.896m	5.114m	Full
22.000%	3.457m	0.163m	73.716°	2.564m	2.679m	Full

Reefing Points

1, Luff: 1.423m ; Leech: 1.469m ; Offset: 0.000m ; Number Eyelets: 3
2, Luff: 3.091m ; Leech: 3.186m ; Offset: 0.000m ; Number Eyelets: 3

Draft Stripes

1, Luff: 3.849m ; Leech: 3.833m ;
2, Luff: 7.699m ; Leech: 7.879m ;

Luff Curve

		Fanned Luff (@ 5.00% [0.201m])	Before BSeam
11.669m,	0.000m	100% (11.670m) :	0.000m
10.215m,	-0.031m	90% (10.503m) :	0.049m
8.752m,	-0.053m	80% (9.336m) :	0.091m
7.285m,	-0.063m	70% (8.169m) :	0.120m
5.835m,	-0.064m	60% (7.002m) :	0.136m
4.348m,	-0.059m	50% (5.835m) :	0.139m
2.917m,	-0.047m	40% (4.668m) :	0.133m
1.454m,	-0.027m	30% (3.501m) :	0.113m
0.000m,	0.000m	20% (2.334m) :	0.082m
		10% (1.167m) :	0.040m
		0% (0.000m) :	0.000m

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Seam Allowances

Zone:	Split	Radial	Cross
Zone: 1/a	0.026m	0.016m	0.035m
Zone: 1/b	0.026m	0.016m	0.035m
Zone: 2/a	0.026m	0.016m	0.035m
Zone: 2/b	0.026m	0.016m	0.035m
Zone: 3	0.026m	0.016m	0.035m

Edge Excesses

Sail:	Luff	Leech	Foot
Sail:	0.000m	0.000m	0.000m

Total Seam Lengths (m)

Horizontal	4.91
Radial/Vertical	121.88
Bi-Radial Split	8.38

Materials

Material	Area (m ²)	Panels
Material 1	27.88	1\1,1\2,1\3,1\4,1\5 1\6,1\7,1\8,1\9,1\10 1\11,1\12,1b\1,1b\2,1b\3 1b\4,1b\5,1b\6,1b\7,1b\8 1b\9,1b\10,1b\11,1b\12,2\1 2\2,2\3,2\4,2\5,2b\1 2b\2,2b\3,2b\4,2b\5,3\1 3\2,3\3,3\4,3\5,3\6

