

Asymmetric: 8000126 Marko Beneteau First35 Drifter170 V4.des

Design Info
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Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\8000126 Marko he

Initial Design Date: 5/3/2024
Boat:
Beneteau First 35 Drifter100%%
Client:

Comments:

Design Data
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Asymmetric

Measurements

Luff length (SLU):	15.000m	
Leech length (SLE):	13.148m	
Foot length (SFL):	5.350m	
Headboard Width:	0.020m	
Three-quarter width:	1.251m	Closest Pt: 1.081m
Half width (SHW):	2.613m	Closest Pt: 2.259m
Quarter width:	3.983m	Closest Pt: 3.470m
ORC Area:	37.065m?	
IRC Area:	36.917m?	
Surface Area:	34.810m?	
Hoist height:	14.380m	
J:	4.700m	

Luff Curve		Fanned Luff (@ 5.00% [0.257m])	Before BSeam
15.500m,	0.000m	100% (14.980m) :	0.000m
11.625m,	0.000m	90% (13.480m) :	0.460m
7.750m,	0.000m	80% (11.982m) :	0.415m
3.875m,	0.000m	70% (10.484m) :	0.389m
0.000m,	0.000m	60% (8.986m) :	0.364m
		50% (7.489m) :	0.333m
		40% (5.992m) :	0.293m
		30% (4.495m) :	0.237m
		20% (2.997m) :	0.177m
		10% (1.499m) :	0.101m
		0% (0.000m) :	0.000m

Section Data

Position	Camber	Draft	Twist	Entry	Exit	Roach	Luff Off	Luff Roach	Fwd Camb	Aft Camb
100.00%	0.000%	38.211%	15.000?	0.743?	-0.348?	0.000m	0.000m	0.000m	0.000%	0.000%
87.47%	13.251%	38.569%	13.125?	46.181?	-23.331?	-0.079m	0.181m	0.000m	10.980%	10.225%
74.97%	17.141%	38.927%	11.250?	55.642?	-29.539?	-0.146m	0.324m	0.000m	14.084%	13.104%
62.47%	18.811%	39.286%	9.375?	59.105?	-30.708?	-0.183m	0.396m	0.000m	15.368%	14.252%
49.93%	18.528%	39.644%	7.500?	59.868?	-30.463?	-0.192m	0.395m	0.000m	15.144%	14.034%
37.49%	17.472%	40.002%	5.625?	58.067?	-29.455?	-0.181m	0.351m	0.000m	14.280%	13.286%
25.00%	15.852%	40.360%	3.750?	54.984?	-27.592?	-0.143m	0.267m	0.000m	12.988%	12.152%
12.50%	14.397%	40.719%	1.875?	50.811?	-24.599?	-0.075m	0.146m	0.000m	11.793%	11.089%
0.00%	11.537%	41.077%	0.000?	45.955?	-20.369?	0.000m	0.000m	0.000m	9.605%	9.009%

Chord Data

Luff : 14.9721m
Leech : 13.0358m
Foot : 5.1392m
Headboard width : 0.0200m

Fanned Foot Curve Depths

25.0%	50.0%	75.0%
0.0830m	0.0897m	0.0588m

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Seam Allowances

Zone:	Split	Radial	Cross
Zone: 1/a	0.025m	0.014m	0.025m
Zone: 1/b	0.025m	0.014m	0.025m
Zone: 2/a	0.025m	0.014m	0.025m
Zone: 2/b	0.025m	0.014m	0.025m
Zone: 3	0.025m	0.014m	0.025m

Edge Excesses

Sail:	Luff	Leech	Foot
	0.000m	0.000m	0.000m

Total Seam Lengths (m)

Horizontal	5.28
Radial/Vertical	144.70
Bi-Radial Split	8.98

Materials

Material	Area (m ²)	Panels
Material 1	34.89	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

