

Asymmetric: 8000606 Henrik-2 Elan40 code 0 cableless.des

Design Info =====

Initial Design Date: 20/6/2024
Boat:
Elan40 code zero cable less
Client:

Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\8000606 Henrik E

Comments:

Design Data =====

Asymmetric

Measurements

Luff length (SLU): 14.611m
Leech length (SLE): 13.586m
Foot length (SFL): 8.058m
Headboard Width: 0.040m
Three-quarter width: 3.164m
Half width (SHW): 5.454m
Quarter width: 7.037m
ORC Area: 70.201m?
IRC Area: 69.920m?
Surface Area: 71.017m?
Hoist height: 16.150m
J: 4.740m

Closest Pt: 2.792m
Closest Pt: 5.012m
Closest Pt: 6.664m

Luff Curve

17.929m, 0.000m
14.343m, 0.281m
10.757m, 0.375m
5.379m, 0.281m
0.000m, 0.000m

Fanned Luff (@ 5.00% [0.390m])

100% (14.609m) : 0.000m
89% (13.073m) : -0.046m
79% (11.559m) : -0.079m
69% (10.073m) : -0.094m
59% (8.605m) : -0.099m
49% (7.151m) : -0.095m
39% (5.707m) : -0.082m
29% (4.272m) : -0.064m
19% (2.843m) : -0.042m
10% (1.419m) : -0.020m
0% (0.000m) : 0.000m

Before BSeam

0.000m
0.357m
0.536m
0.655m
0.711m
0.710m
0.658m
0.560m
0.418m
0.232m
0.000m

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Seam Allowances

Zone:	Split	Radial	Cross
Zone: 1/a	0.040m	0.015m	0.040m
Zone: 1/b	0.040m	0.015m	0.040m
Zone: 2	0.040m	0.015m	0.040m
Zone: 3	0.040m	0.015m	0.040m
Zone: 4	0.040m	0.015m	0.040m

Edge Excesses

Sail:	Luff	Leech	Foot
	0.000m	0.000m	0.000m

Total Seam Lengths (m)

Horizontal	16.59
Radial/Vertical	159.27
Bi-Radial Split	4.55

Materials

Material	Area (m ²)	Panels
Material 1	70.92	1\1,1\2,1\3,1\4,1\5 1\6,1\7,1\8,1\9,1\10 1\11,1b\1,1b\2,1b\3,1b\4 1b\5,1b\6,1b\7,1b\8,1b\9 1b\10,1b\11,2\1,2\2,2\3 2\4,2\5,2\6,2\7,2\8 2\9,2\10,3\1,3\2,3\3 3\4,3\5,3\6,3\7,3\8 4\1,4\2,4\3,4\4,4\5 4\6

