

Asymmetric: 8000905 Roelof Dufour1800 cableless code0 V1.des

Design Info =====

Initial Design Date: 20/9/2024
Boat:
Dufour1800 code0
Client:

Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\8000905 Roelof D

Comments:

Design Data =====

Asymmetric

Measurements

Luff length (SLU): 8.600m
Leech length (SLE): 7.987m
Foot length (SFL): 4.930m
Headboard Width: 0.015m
Three-quarter width: 2.150m
Half width (SHW): 3.678m
Quarter width: 4.494m
ORC Area: 27.149m?
IRC Area: 27.040m?
Surface Area: 26.426m?
Hoist height: 8.400m
J: 2.900m

Closest Pt: 1.801m
Closest Pt: 3.300m
Closest Pt: 4.216m

Luff Curve

15.500m, 0.000m
11.625m, 0.000m
7.750m, 0.000m
3.875m, 0.000m
0.000m, 0.000m

Fanned Luff (@ 5.00% [0.238m])

100% (8.590m) : 0.000m
89% (7.652m) : -0.058m
78% (6.739m) : -0.120m
68% (5.856m) : -0.170m
58% (4.993m) : -0.193m
48% (4.141m) : -0.186m
38% (3.302m) : -0.168m
29% (2.470m) : -0.138m
19% (1.642m) : -0.095m
10% (0.819m) : -0.046m
0% (0.000m) : 0.000m

Before BSeam

0.000m
0.128m
0.247m
0.343m
0.391m
0.399m
0.367m
0.302m
0.222m
0.122m
0.000m

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Seam Allowances

	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	11.59
Radial/Vertical	94.11
Bi-Radial Split	2.59

Materials

Material	Area (m ²)	Panels
red	19.10	1\2,1\3,1\4,1\5,1\6 1\7,1\8,1\9,1b\2,1b\3 1b\4,1b\5,1b\6,1b\7,1b\8 1b\9,2\2,2\3,2\4,2\5 2\6,2\7,2\8,2\9,3\2 3\3,3\4,3\5,3\6,3\7 4\2,4\3,4\4,4\5
Grey	4.39	1\10,1\11,1b\1,1b\10,1b\11 2\10,3\8,4\6
Grey Laminat	2.96	1\1,2\1,3\1,4\1

