

Asymmetric: 8000905 Roelof Dufour1800 cableless code0.des

Design Info

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Initial Design Date: 13/9/2024
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

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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	0.000m
89% (7.652m) :	-0.058m	0.128m
78% (6.739m) :	-0.120m	0.247m
68% (5.856m) :	-0.170m	0.343m
58% (4.993m) :	-0.193m	0.391m
48% (4.141m) :	-0.186m	0.399m
38% (3.302m) :	-0.168m	0.367m
29% (2.470m) :	-0.138m	0.302m
19% (1.642m) :	-0.095m	0.222m
10% (0.819m) :	-0.046m	0.122m
0% (0.000m) :	0.000m	0.000m

Before BSeam

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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	94.09
Bi-Radial Split	2.59

Materials

Material	Area (m ²)	Panels
Material 1	26.46	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

