

Asymmetric: 8000819 Keith Dufour 410 Grand Large Asy spi A2-colorsV2

Design Info
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Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\8000819 Keith Dufour

Initial Design Date: 7/9/2024
Boat:
Dufour 410 Grand Large
Client:

Comments:

Design Data
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Asymmetric

Measurements

Luff length (SLU):	17.200m	
Leech length (SLE):	15.879m	
Foot length (SFL):	10.080m	
Headboard Width:	0.020m	
Three-quarter width:	6.335m	Closest Pt: 4.956m
Half width (SHW):	10.328m	Closest Pt: 9.441m
Quarter width:	11.209m	Closest Pt: 11.550m
ORC Area:	141.662m ²	
IRC Area:	141.095m ²	
Surface Area:	150.819m ²	
Hoist height:	16.350m	
J:	5.600m	

Luff Curve

			Fanned Luff (@ 5.00% [0.440m])	Before BSeam
15.500m,	0.000m		100% (17.176m) :	0.000m
11.625m,	0.000m		86% (14.706m) :	-0.451m
7.750m,	0.000m		74% (12.713m) :	0.998m
3.875m,	0.000m		64% (10.960m) :	0.857m
0.000m,	0.000m		54% (9.319m) :	2.177m
			45% (7.734m) :	2.319m
			36% (6.178m) :	-0.380m
			27% (4.633m) :	1.799m
			18% (3.091m) :	1.294m
			9% (1.547m) :	0.680m
			0% (0.000m) :	0.000m

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Seam Allowances

	Split	Radial	Cross
Zone: 1/a	0.030m	0.016m	0.040m
Zone: 1/b	0.030m	0.016m	0.040m
Zone: 2/a	0.030m	0.016m	0.040m
Zone: 2/b	0.030m	0.016m	0.040m
Zone: 3/a	0.030m	0.016m	0.040m
Zone: 3/b	0.030m	0.016m	0.040m
Zone: 4/a	0.030m	0.016m	0.040m
Zone: 4/b	0.030m	0.016m	0.040m

Edge Excesses

Sail:	Luff	Leech	Foot
	0.000m	0.000m	0.000m

Total Seam Lengths (m)

Horizontal	32.53
Radial/Vertical	305.33
Bi-Radial Split	18.26

Materials

Material	Area (m ²)	Panels
Black	65.19	1\1,1\4,1\7,1\10,1\13 1b\1,1b\4,1b\7,1b\10,1b\13 2\1,2\4,2\5,2\8,2b\1 2b\5,2b\6,2b\9,3\1,3\2 3\3,3\6,3\7,3b\1,3b\2 3b\3,3b\6,3b\7,3b\8,4\1 4\4,4b\1,4b\4,4b\7
Grey	55.97	1\2,1\6,1\8,1\11,1\14 1b\2,1b\5,1b\8,1b\11,1b\14 2\2,2\3,2\6,2\7,2b\2 2b\3,2b\4,2b\7,2b\8,3\4 3\5,3b\4,3b\5,4\3,4\6 4b\3,4b\6
white	29.55	1\3,1\5,1\9,1\12,1\15 1b\3,1b\6,1b\9,1b\12,1b\15 4\2,4\5,4b\2,4b\5

