

Spinnaker: 8001031 Jonathan Davidson 28 sym spi V2.des

Design Info
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Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\8001031 Jonathan

Initial Design Date: 7/11/2024
Boat:
Davidson 28
Client:

Comments:

Design Data
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Spinnaker

Measurements

Leech length (SLE): 10.600m
Foot length (SFL): 6.240m
Headboard Width: 0.005m
Maximum width (20.2%): 6.300m
Three-quarter width: 3.569m
Half width (SHW): 5.766m
Quarter width: 6.300m
Foot median: 11.554m
ORC Spinnaker Area: 51.767m?
IRC Spinnaker Area: 51.560m?
Surface Area: 55.116m?
Hoist height: 10.668m
Pole Length: 3.505m

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% [0.253m])

100% (10.528m) : 0.000m -0.000m
79% (8.362m) : -1.460m 1.073m
58% (6.090m) : -2.104m 1.491m
42% (4.447m) : -1.060m 1.653m
54% (5.648m) : -0.743m 1.638m
41% (4.287m) : -1.322m 1.504m
30% (3.159m) : -0.609m 1.295m
26% (2.711m) : 0.249m 1.026m
17% (1.806m) : 0.344m 0.708m
9% (0.941m) : 0.176m 0.359m
0% (0.000m) : 0.000m 0.000m

Before BSeam

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Seam Allowances

Zone:	Split	Radial	Cross
Zone: 1/a	0.025m	0.013m	0.025m
Zone: 1/b	0.025m	0.013m	0.025m
Zone: 2/a	0.025m	0.013m	0.025m
Zone: 2/b	0.025m	0.013m	0.025m
Zone: 3/a	0.025m	0.013m	0.025m
Zone: 3/b	0.025m	0.013m	0.025m

Edge Excesses

Sail:	Luff	Leech	Foot
Sail:	0.000m	0.000m	0.000m

Total Seam Lengths (m)

Horizontal	11.85
Radial/Vertical	171.87
Bi-Radial Split	11.67

Materials

Material	Area (m ²)	Panels
Material 1	55.05	1\1, 1\2, 1\3, 1\4, 1\5 1\6, 1\7, 1\8, 1\9, 1\10 1\11, 1\12, 1\13, 1b\1, 1b\2 1b\3, 1b\4, 1b\5, 1b\6, 1b\7 1b\8, 1b\9, 1b\10, 1b\11, 1b\12 1b\13, 2\1, 2\2, 2\3, 2\4 2\5, 2\6, 2\7, 2b\7, 2b\6 2b\5, 2b\4, 2b\3, 2b\2, 2b\1 3\1, 3\2, 3\3, 3\4, 3\5 3\6, 3b\6, 3b\5, 3b\4, 3b\3 3b\2, 3b\1

