

Asymmetric: 8000436 Duane CORSAIR 24MK1 CodezeroV1.des

Design Info

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Initial Design Date: 14/5/2024
Boat:
CORSAIR 24MK1
Client:

Design File:

\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\8000436 Duane co

Comments:

Design Data

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Asymmetric

Measurements

Luff length (SLU): 9.300m
Leech length (SLE): 8.460m
Foot length (SFL): 6.480m
Headboard Width: 0.015m
Three-quarter width: 2.232m
Half width (SHW): 4.076m
Quarter width: 5.431m
ORC Area: 33.723m?
IRC Area: 33.588m?
Surface Area: 32.374m?
Hoist height: 9.510m
J: 3.930m

Closest Pt: 1.833m
Closest Pt: 3.499m
Closest Pt: 4.844m

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% [0.310m])

100% (9.287m) : 0.000m
90% (8.358m) : -0.084m
80% (7.429m) : -0.149m
70% (6.501m) : -0.194m
60% (5.572m) : -0.213m
50% (4.644m) : -0.209m
40% (3.715m) : -0.191m
30% (2.787m) : -0.160m
20% (1.858m) : -0.117m
10% (0.929m) : -0.061m
0% (0.000m) : 0.000m

Before BSeam

0.000m
0.074m
0.135m
0.187m
0.228m
0.241m
0.228m
0.191m
0.147m
0.086m
0.000m

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Seam Allowances

Zone:	Split	Radial	Cross
Zone: 1/a	0.025m	0.014m	0.025m
Zone: 1/b	0.025m	0.014m	0.025m
Zone: 2/a	0.025m	0.014m	0.025m
Zone: 2/b	0.025m	0.014m	0.025m
Zone: 3/a	0.025m	0.014m	0.025m
Zone: 3/b	0.025m	0.014m	0.025m

Edge Excesses

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

Total Seam Lengths (m)

Horizontal	8.55
Radial/Vertical	117.96
Bi-Radial Split	8.87

Materials

Material	Area (m ²)	Panels
purple	21.18	1\1,1\2,1\3,1\8,1\9 1\10,1\11,1\12,1b\1,1b\2 1b\3,1b\8,1b\9,1b\10,1b\11 1b\12,2\1,2\2,2\3,2b\3 2b\4,2b\5,3\1,3\2,3\3 3b\2,3b\3,3b\4
white	6.82	1\4,1\7,1b\4,1b\7,2\4 2b\2,3\4,3b\1
yellow	4.43	1\5,1\6,1b\5,1b\6,2\5 2b\1

