

Genoa: 8000328 Michael CT41 Ketch Headsail.des

Design Info
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Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\8000328 Michael C

Initial Design Date: 27/3/2024
Boat:
CT41 Ketch
Client:

Comments:

Design Data
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Genoa

Measurements

Luff geodesic: 43.065Ft
Leech geodesic: 40.250Ft
Foot geodesic: 24.000Ft
Headboard width: 0.164Ft
Luff perpendicular (HLP): 22.278Ft
Upper width (HUW): 2.485Ft
Three-quarter width (HTW): 4.940Ft
Half width (HHW): 10.446Ft
Quarter width (HQW): 16.282Ft
Foot median: 40.631Ft
ORC Headsail area: 463.298Ft?
IRC Headsail area: 461.823Ft?
Surface area: 467.366Ft?
Forestay height: 47.506Ft
J: 16.502Ft

Luff Curve

43.056Ft, 0.000Ft
39.478Ft, 0.146Ft
35.521Ft, 0.264Ft
32.038Ft, 0.325Ft
27.988Ft, 0.348Ft
21.427Ft, 0.305Ft
13.993Ft, 0.207Ft
7.278Ft, 0.104Ft
0.000Ft, 0.000Ft

Fanned Luff (@ 5.00% [1.177Ft])

100% (43.057Ft) : -0.000Ft
90% (38.747Ft) : -0.169Ft
80% (34.453Ft) : -0.308Ft
70% (30.142Ft) : -0.362Ft
60% (25.837Ft) : -0.354Ft
50% (21.530Ft) : -0.317Ft
40% (17.224Ft) : -0.262Ft
30% (12.917Ft) : -0.199Ft
20% (8.613Ft) : -0.134Ft
10% (4.303Ft) : -0.069Ft
0% (0.000Ft) : 0.000Ft

Before BSeam

-0.000Ft
-0.045Ft
-0.060Ft
0.008Ft
0.110Ft
0.181Ft
0.216Ft
0.221Ft
0.186Ft
0.102Ft
0.000Ft

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Seam Allowances

Zone:	Split	Radial	Cross
Zone: 1	0.131Ft	0.131Ft	0.131Ft
Cover 1	0.082Ft	0.082Ft	0.082Ft
Cover 2	0.082Ft	0.082Ft	0.082Ft
Cover 3	0.000Ft	0.000Ft	0.000Ft
Cover 4	0.000Ft	0.000Ft	0.000Ft

Edge Excesses

Sail:	Luff	Leech	Foot
Sail:	0.000Ft	0.000Ft	0.000Ft
Cover 0	0.230Ft	0.328Ft	0.230Ft
Cover 1	0.230Ft	0.230Ft	0.328Ft
Cover 2	0.000Ft	0.230Ft	0.230Ft
Cover 3	0.000Ft	0.230Ft	0.230Ft

Total Seam Lengths (Ft)

Horizontal	126.98
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (Ft ²)	Panels
Material 1	468.60	1,2,3,4,5 6,7,8,9,10 11

