

Genoa: 7000608 Magnus 707radialhankjib.des

Fareast / Michael Job Number:

Design Info

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Design File:

\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2023 Order\Need Confrim Order\7000608 Magnus\700

Job No:
Initial Design Date: 13/6/2023
Boat:
707
Client:
Fareast / Michael

Comments:

Design Data

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Genoa

Measurements

Luff geodesic:	7.880m
Leech geodesic:	7.638m
Foot geodesic:	3.850m
Headboard width:	0.040m
Luff perpendicular (HLP):	3.710m
Upper width (HUW):	0.453m
Three-quarter width (HTW):	0.881m
Half width (HHW):	1.793m
Quarter width (HQW):	2.755m
Foot median:	7.759m
ORC Headsail area:	14.408m?
IRC Headsail area:	14.355m?
Surface area:	14.855m?
Forestay height:	8.000m
J:	2.500m

Luff Slides

- 1, Position: 0.500m
- 2, Position: 1.203m
- 3, Position: 1.906m
- 4, Position: 2.609m
- 5, Position: 3.312m
- 6, Position: 4.015m
- 7, Position: 4.718m
- 8, Position: 5.421m
- 9, Position: 6.124m
- 10, Position: 6.827m
- 11, Position: 7.530m

Luff Curve

7.879m,	0.000m
7.101m,	0.014m
5.910m,	0.031m
3.940m,	0.041m
1.970m,	0.030m
0.000m,	0.000m

Fanned Luff (@ 5.00% [0.190m])

100% (7.879m) :	0.000m	0.000m
90% (7.091m) :	-0.013m	0.010m
80% (6.304m) :	-0.026m	0.021m
70% (5.516m) :	-0.035m	0.032m
60% (4.728m) :	-0.041m	0.042m
50% (3.940m) :	-0.043m	0.050m
40% (3.152m) :	-0.041m	0.055m
30% (2.364m) :	-0.037m	0.055m
20% (1.576m) :	-0.027m	0.048m
10% (0.787m) :	-0.015m	0.030m
0% (0.000m) :	-0.000m	0.000m

Before BSeam

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Seam Allowances

	Split	Radial	Cross
Zone: 1/a	0.025m	0.014m	0.025m
Zone: 1/b	0.025m	0.014m	0.025m
Zone: 2	0.025m	0.014m	0.025m
Zone: 3	0.025m	0.014m	0.025m
Zone: 4	0.025m	0.014m	0.025m

Edge Excesses

Sail:	Luff	Leech	Foot
	0.000m	0.000m	0.000m

Total Seam Lengths (m)

Horizontal	5.67
Radial/Vertical	50.06
Bi-Radial Split	2.20

Materials

Material	Area (m ²)	Panels
Material 1	14.88	1\1,1\2,1\3,1\4,1\5 1\6,1\7,1b\1,1b\2,1b\3 1b\4,1b\5,1b\6,1b\7,2\1 2\2,2\3,2\4,2\5,2\6 3\1,3\2,3\3,3\4,3\5 4\1,4\2,4\3,4\4

