

Genoa: 8000906 Jurgen HeadsailV1.des

Design Info
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Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\8000906 Jurgen h

Initial Design Date: 9/10/2024
Boat:

Comments:

Client:

Design Data
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Genoa

Measurements

Luff geodesic: 13.920m
Leech geodesic: 13.268m
Foot geodesic: 6.902m
Headboard width: 0.045m
Luff perpendicular (HLP): 6.539m
Upper width (HUW): 0.717m
Three-quarter width (HTW): 1.445m
Half width (HHW): 3.063m
Quarter width (HQW): 4.785m
Foot median: 13.345m
ORC Headsail area: 43.930m?
IRC Headsail area: 43.765m?
Surface area: 44.223m?
Forestay height: 14.870m
J: 4.510m

Reefing Points

1, Luff: 0.000m ; Leech: 0.000m ; Offset: 0.000m ; Number Eyelets: 0
2, Luff: 0.000m ; Leech: 0.000m ; Offset: 0.000m ; Number Eyelets: 0
3, Luff: 0.000m ; Leech: 0.000m ; Offset: 0.000m ; Number Eyelets: 0

Draft Stripes

1, Luff: 3.495m ; Leech: 3.037m ;
2, Luff: 6.989m ; Leech: 6.459m ;
3, Luff: 10.470m ; Leech: 9.828m ;

Luff Curve

		Fanned Luff (@ 5.00% [0.339m])	Before BSeam
13.917m,	0.000m	100% (13.917m) :	-0.000m
12.761m,	0.047m	90% (12.524m) :	-0.020m
11.482m,	0.085m	80% (11.136m) :	-0.021m
10.356m,	0.105m	70% (9.743m) :	-0.005m
9.047m,	0.112m	60% (8.351m) :	0.020m
6.926m,	0.099m	50% (6.959m) :	0.043m
4.523m,	0.067m	40% (5.567m) :	0.061m
2.352m,	0.033m	30% (4.175m) :	0.068m
0.000m,	0.000m	20% (2.784m) :	0.057m
		10% (1.391m) :	0.030m
		0% (0.000m) :	0.000m

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Seam Allowances

Zone:	Split	Radial	Cross
Zone: 1/a	0.040m	0.015m	0.040m
Zone: 1/b	0.040m	0.015m	0.040m
Zone: 2/a	0.040m	0.015m	0.040m
Zone: 2/b	0.040m	0.015m	0.040m
Zone: 3/a	0.040m	0.015m	0.040m
Zone: 3/b	0.040m	0.015m	0.040m
Zone: 4	0.040m	0.015m	0.040m

Edge Excesses

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

Total Seam Lengths (m)

Horizontal	10.32
Radial/Vertical	148.02
Bi-Radial Split	10.17

Materials

Material	Area (m ²)	Panels
Contender PV32.44:8		1\1,1\2,1\3,1\4,1\5 1\6,1\7,1\8,1\9,1\10 1b\3,1b\4,1b\5,1b\6,1b\7 1b\8,1b\9,1b\10,1b\11,2\1 2\2,2\3,2\4,2\5,2b\6 2b\5,2b\4,2b\3,3\1,3\2 3\3,3b\4,3b\3,4\1,4\2 4\3
Contender PV11.83:8		1\11,1\12,1b\1,1b\2,1b\12 1b\13,2b\2,2b\1,3b\2,3b\1 4\4,4\5

