

Genoa: 8000806 Ryan J80 135% genoa.des

Design Info =====

Design File: \\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\8000806 Ryan J80

Initial Design Date: 28/9/2010
Boat:
J 80
Client:

Comments:

Design Data =====

Genoa

Measurements

Luff geodesic: 9.280m
Leech geodesic: 8.963m
Foot geodesic: 4.061m
Headboard width: 0.050m
Luff perpendicular (HLP): 3.909m
Upper width (HUW): 0.464m
Three-quarter width (HTW): 0.897m
Half width (HHW): 1.848m
Quarter width (HQW): 2.872m
Foot median: 9.180m
ORC Headsail area: 17.669m?
IRC Headsail area: 17.599m?
Surface area: 18.118m?
Forestay height: 9.601m
J: 2.896m

Draft Stripes

1, Luff: 3.073m ; Leech: 2.950m ;
2, Luff: 6.228m ; Leech: 5.993m ;

Luff Curve

9.280m, 0.000m
6.960m, 0.029m
4.640m, 0.038m
2.320m, 0.029m
0.000m, 0.000m

Fanned Luff (@ 5.00% [0.201m])

100% (9.279m) : 0.000m
90% (8.351m) : -0.012m
80% (7.424m) : -0.023m
70% (6.496m) : -0.033m
60% (5.568m) : -0.039m
50% (4.640m) : -0.042m
40% (3.712m) : -0.042m
30% (2.784m) : -0.039m
20% (1.856m) : -0.032m
10% (0.927m) : -0.018m
0% (0.000m) : -0.000m

Before BSeam

0.000m
0.017m
0.033m
0.045m
0.055m
0.061m
0.064m
0.059m
0.045m
0.022m
0.000m

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Seam Allowances			
Zone:	Split	Radial	Cross
1	0.038m	0.015m	0.038m

Edge Excesses			
Sail:	Luff	Leech	Foot
	0.000m	0.000m	0.000m

Total Seam Lengths (m)

Horizontal	12.57
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (m ²)	Panels
8oz p	18.18	1,2,3,4,5 6,7,8

