

Genoa: 8000238 LAURENT-3 hanks heavy jib 1 reef V1.des

Design Info
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Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\8000238 LAURENT-3 hanks heavy jib 1 reef V1.des

Initial Design Date: 1/3/2024
Boat:

Comments:
1 reefed 8.17m2

Client:

Design Data
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Genoa

Measurements	
Luff geodesic:	7.180m
Leech geodesic:	6.000m
Foot geodesic:	3.700m
Headboard width:	0.065m
Luff perpendicular (HLP):	3.119m
Upper width (HUW):	0.384m
Three-quarter width (HTW):	0.725m
Half width (HHW):	1.463m
Quarter width (HQW):	2.270m
Foot median:	6.437m
ORC Headsail area:	10.888m²
IRC Headsail area:	10.859m²
Surface area:	11.015m²
Forestay height:	10.550m
J:	3.950m

Reefing Points
1, Luff: 0.722m ; Leech: 0.950m ; Offset: 0.000m ; Number Eyelets: 3

Draft Stripes
1, Luff: 2.382m ; Leech: 1.406m ;
2, Luff: 4.760m ; Leech: 3.659m ;

Luff Slides
1, Position: 0.450m
2, Position: 1.170m
3, Position: 1.890m
4, Position: 2.610m
5, Position: 3.330m
6, Position: 4.050m
7, Position: 4.770m
8, Position: 5.490m
9, Position: 6.210m
10, Position: 6.930m

Luff Curve		Fanned Luff (@ 5.00% [0.179m])		Before BSeam
7.178m,	0.000m	100% (7.179m) :	-0.000m	-0.000m
6.582m,	0.024m	90% (6.461m) :	-0.028m	-0.003m
5.922m,	0.044m	80% (5.743m) :	-0.048m	-0.002m
5.341m,	0.054m	70% (5.026m) :	-0.059m	0.003m
4.666m,	0.058m	60% (4.308m) :	-0.061m	0.011m
3.572m,	0.051m	50% (3.590m) :	-0.057m	0.018m
2.333m,	0.035m	40% (2.872m) :	-0.048m	0.024m
1.213m,	0.017m	30% (2.154m) :	-0.037m	0.025m
0.000m,	0.000m	20% (1.436m) :	-0.025m	0.023m
		10% (0.717m) :	-0.013m	0.013m
		0% (0.000m) :	0.000m	0.000m

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Seam Allowances			
Zone: 1	Split	Radial	Cross
	0.035m	0.035m	0.035m

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

Total Seam Lengths (m)

Horizontal	8.92
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (m²)	Panels
Material 1	11.03	1,2,3,4,5 6

