

Genoa: 8000505 Ryan-2 Merit 25 135% headsailV1.des

Design Info
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Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\8000505 Ryan Me

Initial Design Date: 18/5/2024
Boat:
Merit 25
Client:

Comments:
135%%

Design Data
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Genoa

Measurements

Luff geodesic: 29.429Ft
Leech geodesic: 26.672Ft
Foot geodesic: 13.840Ft
Headboard width: 0.115Ft
Luff perpendicular (HLP): 12.621Ft
Upper width (HUW): 1.483Ft
Three-quarter width (HTW): 2.902Ft
Half width (HHW): 5.970Ft
Quarter width (HQW): 9.219Ft
Foot median: 27.641Ft
ORC Headsail area: 180.481Ft?
IRC Headsail area: 180.211Ft?
Surface area: 182.081Ft?
Forestay height: 30.050Ft
J: 9.350Ft

Draft Stripes

1, Luff: 9.756Ft ; Leech: 7.516Ft ;
2, Luff: 19.474Ft ; Leech: 16.920Ft ;

Luff Curve

		Fanned Luff (@ 5.00% [0.675Ft])	Before BSeam
29.426Ft,	0.000Ft	100% (29.426Ft) :	-0.000Ft
23.525Ft,	0.126Ft	90% (26.484Ft) :	0.046Ft
17.628Ft,	0.173Ft	80% (23.542Ft) :	0.076Ft
11.742Ft,	0.158Ft	70% (20.599Ft) :	0.105Ft
5.866Ft,	0.099Ft	60% (17.656Ft) :	0.130Ft
0.000Ft,	0.000Ft	50% (14.713Ft) :	0.145Ft
		40% (11.770Ft) :	0.142Ft
		30% (8.827Ft) :	0.119Ft
		20% (5.886Ft) :	0.090Ft
		10% (2.939Ft) :	0.058Ft
		0% (0.000Ft) :	0.000Ft

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Seam Allowances

Zone:	Split	Radial	Cross
Zone: 1/a	0.082Ft	0.049Ft	0.082Ft
Zone: 1/b	0.082Ft	0.049Ft	0.082Ft
Zone: 2/a	0.082Ft	0.049Ft	0.082Ft
Zone: 2/b	0.082Ft	0.049Ft	0.082Ft
Zone: 3/a	0.082Ft	0.049Ft	0.082Ft
Zone: 3/b	0.082Ft	0.049Ft	0.082Ft
Zone: 4	0.082Ft	0.049Ft	0.082Ft

Edge Excesses

Sail:	Luff	Leech	Foot
Sail:	0.000Ft	0.000Ft	0.000Ft

Total Seam Lengths (Ft)

Horizontal	20.42
Radial/Vertical	240.89
Bi-Radial Split	20.77

Materials

Material	Area (Ft ²)	Panels
Material 1	182.26	1\1,1\2,1\3,1\4,1\5 1\6,1\7,1\8,1\9,1\10 1b\1,1b\2,1b\3,1b\4,1b\5 1b\6,1b\7,1b\8,1b\9,1b\10 2\1,2\2,2\3,2\4,2b\1 2b\2,2b\3,2b\4,3\1,3\2 3\3,3b\1,3b\2,3b\3,4\1 4\2,4\3,4\4,4\5

