

Genoa: 7001203 Phil bombardier 7.6 hanks genoa.des

Design Info
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Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2023 Order\Need to be Confirmed\7001203 Phil\7001203

Initial Design Date: 6/12/2023
Boat:

Comments:

Client:

Design Data
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Genoa

Measurements

Luff geodesic:	26.165Ft
Leech geodesic:	24.501Ft
Foot geodesic:	13.415Ft
Headboard width:	0.174Ft
Luff perpendicular (HLP):	12.545Ft
Upper width (HUW):	1.451Ft
Three-quarter width (HTW):	2.825Ft
Half width (HHW):	5.837Ft
Quarter width (HQW):	9.138Ft
Foot median:	24.871Ft
ORC Headsail area:	158.531Ft?
IRC Headsail area:	157.936Ft?
Surface area:	160.077Ft?
Forestay height:	27.395Ft
J:	8.596Ft

Draft Stripes

- 1, Luff: 8.674Ft ; Leech: 7.393Ft ;
- 2, Luff: 17.333Ft ; Leech: 15.801Ft ;

Luff Slides

- 1, Position: 1.640Ft
- 2, Position: 3.994Ft
- 3, Position: 6.348Ft
- 4, Position: 8.702Ft
- 5, Position: 11.056Ft
- 6, Position: 13.410Ft
- 7, Position: 15.764Ft
- 8, Position: 18.118Ft
- 9, Position: 20.472Ft
- 10, Position: 22.826Ft
- 11, Position: 25.180Ft

Luff Curve

		Fanned Luff (@ 5.00% [0.652Ft])	Before BSeam
26.160Ft,	0.000Ft	100% (26.160Ft) :	-0.000Ft
23.986Ft,	0.089Ft	90% (23.543Ft) :	-0.102Ft
21.582Ft,	0.160Ft	80% (20.931Ft) :	-0.004Ft
19.465Ft,	0.197Ft	70% (18.313Ft) :	0.025Ft
17.004Ft,	0.211Ft	60% (15.697Ft) :	0.065Ft
13.018Ft,	0.186Ft	50% (13.081Ft) :	0.104Ft
8.502Ft,	0.126Ft	40% (10.465Ft) :	0.130Ft
4.422Ft,	0.063Ft	30% (7.848Ft) :	0.137Ft
0.000Ft,	0.000Ft	20% (5.233Ft) :	0.117Ft
		10% (2.614Ft) :	0.070Ft
		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	0.082Ft	0.049Ft	0.082Ft

Edge Excesses

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

Total Seam Lengths (Ft)

Horizontal	14.13
Radial/Vertical	172.44
Bi-Radial Split	15.62

Materials

Material	Area (Ft ²)	Panels
Material 1	160.24	1\1,1\2,1\3,1\4,1\5 1\6,1\7,1\8,1b\1,1b\2 1b\3,1b\4,1b\5,1b\6,1b\7 1b\8,2\1,2\2,2\3,2b\1 2b\2,2b\3,3\1,3\2,3\3 3\4

