

Genoa: 5000804 Larry.des

Design Info
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Design File:
C:\Users\Administrator\Desktop\5000804 Larry\5000804 Larry.des

Initial Design Date: 9/9/2021
Boat:

Comments:

Client:

Design Data
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Genoa

Measurements

Luff geodesic: 16.100m
 Leech geodesic: 15.480m
 Foot geodesic: 7.082m
 Headboard width: 0.035m
 Luff perpendicular (HLP): 6.750m
 Upper width (HUW): 0.793m
 Three-quarter width (HTW): 1.572m
 Half width (HHW): 3.236m
 Quarter width (HQW): 4.978m
 Foot median: 15.640m
 ORC Headsail area: 53.126m?
 IRC Headsail area: 53.043m?
 Surface area: 53.865m?
 Forestay height: 16.700m
 J: 5.000m

Luff Curve

16.099m, 0.000m
 12.074m, 0.069m
 8.050m, 0.091m
 4.025m, 0.069m
 0.000m, 0.000m

Fanned Luff (@ 5.00% [0.351m])

Percentage	Length (m)	Offset (m)	Before BSeam (m)
100%	(16.099m)	-0.000m	-0.000m
90%	(14.487m)	-0.028m	0.004m
80%	(12.880m)	-0.055m	0.008m
70%	(11.269m)	-0.075m	0.012m
60%	(9.659m)	-0.088m	0.016m
50%	(8.049m)	-0.093m	0.020m
40%	(6.439m)	-0.091m	0.020m
30%	(4.829m)	-0.081m	0.015m
20%	(3.220m)	-0.062m	0.010m
10%	(1.608m)	-0.033m	0.007m
0%	(0.000m)	0.000m	0.000m

Section Data

Position	Camber	Draft	Twist	Entry	Exit	Roach	Fwd Camb	Aft Camb
100.00%	11.280%	40.000%	15.000?	43.957?	-22.993?	0.000m	9.200%	8.600%
80.00%	11.200%	39.600%	12.000?	44.117?	-23.616?	-0.129m	9.172%	8.646%
60.00%	10.800%	39.200%	9.000?	43.951?	-23.036?	-0.191m	8.911%	8.376%
40.00%	9.608%	38.800%	6.000?	42.865?	-20.462?	-0.174m	8.073%	7.477%
20.00%	7.554%	38.400%	3.000?	36.624?	-16.730?	-0.106m	6.471%	5.934%
10.00%	6.436%	38.200%	1.500?	30.838?	-14.414?	-0.057m	5.513%	5.074%
4.00%	5.620%	38.080%	0.600?	25.827?	-12.483?	-0.023m	4.780%	4.432%
0.00%	4.800%	37.393%	0.000?	21.643?	-10.958?	0.000m	4.081%	3.819%

Chord Data

Luff LL : 16.0985m
 Leech : 15.4302m
 Luff Perpendicular : 6.6724m
 Clew Height : 0.1800m
 Headboard width : 0.0350m

Fanned Foot Curve Depths

25.0% 50.0% 75.0%
 0.1456m 0.2064m 0.1606m

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Seam Allowances

Zone:	Split	Radial	Cross
Zone: 1	0.000m	0.000m	0.035m
Cover 1	0.025m	0.025m	0.025m
Cover 2	0.025m	0.025m	0.025m

Edge Excesses

	Luff	Leech	Foot
Sail:	0.000m	0.000m	0.000m
Cover 0	0.050m	0.050m	0.050m
Cover 1	0.050m	0.050m	0.050m

Total Seam Lengths (m)

Horizontal	39.51
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (m ²)	Panels
Material 1	53.93	1,2,3,4,5 6,7,8,9,10 11,12

