

Mainsail: 8000228 Nicolas Jeanneau Melody fullbattmain.des

Design Info =====

Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\8000228 Nicolas J

Initial Design Date: 22/3/2024
Boat:
Jeanneau Melody
Client:

Comments:

Design Data =====

Main

Measurements

Luff geodesic: 12.632m
Leech geodesic: 13.077m
Foot geodesic: 3.603m
Head geodesic: 0.115m
Upper width (MUW): 0.740m
Three-quarter width (MTW): 1.328m
Half width (MHW): 2.296m
Quarter width (MQW): 3.042m
Foot median: 12.841m
ORC Mainsail area: 26.950m?
Surface area: 27.498m?
Clew height: 0.100m
Mast rake: 0.000m

Battens

Position	Length	Roach	Angle	Luff	Leech	Full
82.000%	1.055m	0.227m	76.061?	10.352m	10.694m	Full
62.000%	1.909m	0.323m	76.061?	7.825m	8.086m	Full
42.000%	2.586m	0.290m	76.061?	5.299m	5.477m	Full
22.000%	3.130m	0.179m	76.061?	2.773m	2.869m	Full

Reefing Points

1, Luff: 1.541m ; Leech: 1.574m ; Offset: 0.000m ; Number Eyelets: 0
2, Luff: 3.346m ; Leech: 3.417m ; Offset: 0.000m ; Number Eyelets: 0

Draft Stripes

1, Luff: 4.167m ; Leech: 4.184m ;
2, Luff: 8.335m ; Leech: 8.491m ;

Luff Slides

1, Position: 0.924m
2, Position: 1.925m
3, Position: 3.693m
4, Position: 4.504m
5, Position: 6.141m
6, Position: 6.983m
7, Position: 8.667m
8, Position: 9.509m
9, Position: 11.112m
10, Position: 11.872m

Luff Curve

		Fanned Luff (@ 5.00% [0.179m])	Before BSeam
12.631m,	0.000m	100% (12.632m) :	0.000m
11.057m,	-0.034m	90% (11.369m) :	0.050m
9.474m,	-0.058m	80% (10.106m) :	0.092m
7.886m,	-0.068m	70% (8.843m) :	0.120m
6.316m,	-0.069m	60% (7.579m) :	0.135m
4.707m,	-0.064m	50% (6.316m) :	0.138m
3.158m,	-0.051m	40% (5.053m) :	0.131m
1.574m,	-0.029m	30% (3.790m) :	0.113m
0.000m,	0.000m	20% (2.526m) :	0.082m
		10% (1.263m) :	0.041m
		0% (0.000m) :	0.000m

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Seam Allowances			
Zone:	Split	Radial	Cross
1	0.025m	0.025m	0.025m

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

Total Seam Lengths (m)

Horizontal	23.75
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (m ²)	Panels
Material 1	27.52	1,2,3,4,5 6,7,8,9,10 11

