

Mainsail: 7000620 Stéphane Outremer 40 Catamaran MainsailV2.des

Design Info
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Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2023 Order\Need to be Confirmed\7000620 Stéphane

Initial Design Date: 16/8/2023
Boat:

Comments:

Client:

Design Data
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Main

Measurements

Luff geodesic: 13.330m
Leech geodesic: 14.050m
Foot geodesic: 5.030m
Head geodesic: 1.130m
Upper width (MUW): 1.558m
Three-quarter width (MTW): 2.231m
Half width (MHW): 3.356m
Quarter width (MQW): 4.268m
Foot median: 13.618m
ORC Mainsail area: 42.880m?
Surface area: 44.260m?
Clew height: 0.290m
Mast rake: 0.000m

Battens

Position	Length	Roach	Angle	Luff	Leech	Full
100.000%	1.500m	0.000m	113.679°	12.356m	13.966m	Full
85.157%	1.900m	0.120m	73.743°	11.363m	11.893m	Full
67.138%	2.747m	0.191m	73.743°	9.012m	9.377m	Full
44.099%	3.664m	0.172m	73.743°	6.006m	6.159m	Full
21.061%	4.422m	0.085m	73.743°	3.000m	2.941m	Full

Reefing Points

1, Luff: 2.020m ; Leech: 2.078m ; Offset: 0.000m ; Number Eyelets: 0
2, Luff: 4.960m ; Leech: 5.091m ; Offset: 0.000m ; Number Eyelets: 0
3, Luff: 8.000m ; Leech: 8.207m ; Offset: 0.000m ; Number Eyelets: 0

Luff Slides

1, Position: 1.507m
2, Position: 4.516m
3, Position: 7.518m
4, Position: 10.193m
5, Position: 12.346m
6, Position: 13.293m

Luff Curve

		Fanned Luff (@ 5.00% [0.250m])	Before BSeam
13.329m,	0.000m	100% (13.330m) :	0.000m
9.997m,	-0.064m	90% (11.997m) :	0.019m
6.665m,	-0.085m	80% (10.664m) :	0.091m
3.332m,	-0.064m	70% (9.331m) :	0.125m
0.000m,	0.000m	60% (7.998m) :	0.145m
		50% (6.665m) :	0.152m
		40% (5.332m) :	0.147m
		30% (3.999m) :	0.126m
		20% (2.666m) :	0.089m
		10% (1.333m) :	0.042m
		0% (0.000m) :	0.000m

