

# Asymmetric: Arcona 400 codezero cablelessV1.des

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

Initial Design Date: 5/3/2024  
Boat:  
Arcona 400 code zero cableless

Comments:

Client:

Design Data  
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## Asymmetric

### Measurements

Luff length (SLU):	16.300m	
Leech length (SLE):	14.424m	
Foot length (SFL):	8.085m	
Headboard Width:	0.015m	
Three-quarter width:	2.931m	Closest Pt: 2.547m
Half width (SHW):	5.256m	Closest Pt: 4.700m
Quarter width:	6.896m	Closest Pt: 6.298m
ORC Area:	74.525m?	
IRC Area:	74.227m?	
Surface Area:	72.176m?	
Hoist height:	15.920m	
J:	4.900m	

### Luff Curve

15.500m,	0.000m
11.625m,	0.000m
7.750m,	0.000m
3.875m,	0.000m
0.000m,	0.000m

Fanned Luff (@ 5.00% [0.388m])	Before BSeam
100% (16.272m) :	0.000m
90% (14.565m) :	-0.142m
79% (12.883m) :	-0.280m
69% (11.232m) :	-0.381m
59% (9.597m) :	-0.426m
49% (7.978m) :	-0.417m
39% (6.371m) :	-0.380m
29% (4.771m) :	-0.322m
20% (3.177m) :	-0.231m
10% (1.587m) :	-0.115m
0% (0.000m) :	0.000m

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## Seam Allowances

Zone:	Split	Radial	Cross
Zone: 1/a	0.025m	0.015m	0.025m
Zone: 1/b	0.025m	0.015m	0.025m
Zone: 2/a	0.025m	0.015m	0.025m
Zone: 2/b	0.025m	0.015m	0.025m
Zone: 3/a	0.025m	0.015m	0.025m
Zone: 3/b	0.025m	0.015m	0.025m
Zone: 4	0.025m	0.015m	0.025m

## Edge Excesses

Sail:	Luff	Leech	Foot
Sail:	0.000m	0.000m	0.000m

## Total Seam Lengths (m)

Horizontal	16.77
Radial/Vertical	278.60
Bi-Radial Split	9.51

## Materials

Material	Area (m <sup>2</sup> )	Panels
spin	72.30	1\1,1\2,1\3,1\4,1\5 1\6,1\7,1\8,1\9,1\10 1\11,1\12,1\13,1\14,1\15 1\16,1b\1,1b\2,1b\3,1b\4 1b\5,1b\6,1b\7,1b\8,1b\9 1b\10,1b\11,1b\12,1b\13,1b\14 1b\15,1b\16,2\1,2\2,2\3 2\4,2\5,2\6,2\7,2\8 2\9,2b\9,2b\8,2b\7,2b\6 2b\5,2b\4,2b\3,2b\2,2b\1 3\1,3\2,3\3,3\4,3\5 3\6,3\7,3\8,3b\8,3b\7 3b\6,3b\5,3b\4,3b\3,3b\2 3b\1,4\1,4\2,4\3,4\4 4\5,4\6,4\7,4\8,4\9 4\10,4\11,4\12

