

# Mainsail: 7000907 Jens-1 Kirie Feeling 326 Mainsail.des Fareast Sail/ Michael,

Design Info  
=====

Design File:  
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2023 Order\Need to be Confirmed\7000907 Jens\7000

Initial Design Date: 14/9/2023  
Boat:  
Kirie Feeling 326  
Client:  
Fareast Sail/ Michael,

Design Data  
=====

Main

Measurements

Luff geodesic: 10.650m  
Leech geodesic: 11.072m  
Foot geodesic: 3.421m  
Head geodesic: 0.115m  
Upper width (MUW): 0.684m  
Three-quarter width (MTW): 1.247m  
Half width (MHW): 2.161m  
Quarter width (MQW): 2.869m  
Foot median: 10.782m  
ORC Mainsail area: 21.423m?  
Surface area: 21.787m?  
Clew height: 0.100m  
Mast rake: 0.000m

Comments:  
Kirie Feeling 326, Masthead rig, radial cut.  
P=10.76m, E=3.456m Bolt rope on foot.  
Luff=10.65m, leech=11.072m foot=3.421m,  
tack angel 88.5 dgree.  
1st reef 1.23m @above tack,2nd reef 2.5m@above tack  
4full batten, length from top:  
1.085m, 1.866m, 2.496m, 2.997m  
headwidth = 11.5cm  
radial seam = 15mm, zone seams = 30mm  
radial patches

Battens

Position	Length	Roach	Angle	Luff	Leech	Full
80.000%	1.088m	0.235m	72.656?	8.538m	8.840m	Full
60.000%	1.871m	0.305m	72.656?	6.429m	6.630m	Full
40.000%	2.502m	0.269m	72.656?	4.319m	4.420m	Full
20.000%	3.002m	0.155m	72.656?	2.210m	2.210m	Full

Reefing Points

1, Luff: 1.224m ; Leech: 1.257m ; Offset: 0.000m ; Number Eyelets: 3  
2, Luff: 2.502m ; Leech: 2.564m ; Offset: 0.000m ; Number Eyelets: 2

Draft Stripes

1, Luff: 3.513m ; Leech: 3.524m ;  
2, Luff: 7.028m ; Leech: 7.186m ;

Luff Slides

1, Position: 1.105m  
2, Position: 3.264m  
3, Position: 5.374m  
4, Position: 7.484m  
5, Position: 9.594m

Luff Curve

		Fanned Luff (@ 5.00% [0.170m])	Before BSeam
10.650m,	0.000m	100% (10.650m) :	0.000m -0.000m
9.323m,	-0.025m	90% (9.585m) :	0.013m 0.034m
7.987m,	-0.042m	80% (8.520m) :	0.026m 0.070m
6.649m,	-0.050m	70% (7.455m) :	0.033m 0.097m
5.325m,	-0.051m	60% (6.390m) :	0.036m 0.112m
3.968m,	-0.047m	50% (5.325m) :	0.035m 0.116m
2.662m,	-0.037m	40% (4.260m) :	0.033m 0.111m
1.327m,	-0.021m	30% (3.195m) :	0.028m 0.095m
0.000m,	0.000m	20% (2.130m) :	0.020m 0.068m
		10% (1.065m) :	0.010m 0.033m
		0% (0.000m) :	0.000m 0.000m

# Mainsail: 7000907 Jens-1 Kirie Feeling 326 Mainsail.des Fareast Sail/ Michael,

## Seam Allowances

Zone:	Split	Radial	Cross
Zone: 1/a	0.030m	0.015m	0.030m
Zone: 1/b	0.030m	0.015m	0.030m
Zone: 2/a	0.030m	0.015m	0.030m
Zone: 2/b	0.030m	0.015m	0.030m
Zone: 3/a	0.030m	0.015m	0.030m
Zone: 3/b	0.030m	0.015m	0.030m
Zone: 4	0.030m	0.015m	0.030m

## Edge Excesses

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

## Total Seam Lengths (m)

Horizontal	6.70
Radial/Vertical	83.95
Bi-Radial Split	8.06

## Materials

Material	Area (m <sup>2</sup> )	Panels
Material 1	21.80	1\1,1\2,1\3,1\4,1\5 1\6,1\7,1\8,1\9,1\10 1\11,1b\1,1b\2,1b\3,1b\4 1b\5,1b\6,1b\7,1b\8,1b\9 1b\10,1b\11,2\1,2\2,2\3 2\4,2b\1,2b\2,2b\3,2b\4 3\1,3\2,3\3,3b\1,3b\2 3b\3,4\1,4\2,4\3,4\4 4\5

