

1979

International 5.5 Metre Class Certificate of Rating

Yacht's name <i>FLIRT</i>	Classification society <i>Bureau Veritas</i>
Sail number <i>Z 80</i>	Expiration date of classification certificate <i>mai 1984</i>
Owner <i>E. Ruffly</i>	Measurements or partial remeasurements by N.A. Measurer, signature & date <div style="border: 1px solid black; padding: 5px; display: inline-block;"> Im USY-Register eingetragen am 27. APR. 1982 </div>
Owner's club <i>CVL</i>	
Designer <i>Ohlsen</i>	
Date completed <i>19.6.7</i>	
Condition of water when marks were sighted State fresh or salt <i>frisch</i>	
Difference in immersion (class rule 5)	<i>6.68</i> (metres)
Has designer's or builder's declaration been supplied <i>Cornis Post</i>	
I declare that the particulars given on this certificate are correct at this date	Expiration date of rating certificate
Signature of measurer <i>USY-Verm.</i>	<i>19. Juni 1984</i>
Signature of designer or builder <i>J. Weber</i> CH-8802 Kitchberg/ZH	
Signature of owner or representative	Re-rated

Certificate authorised by Date for
(National Authority)

	Actual ^{N)}	Rule limits	Rule No.
HULL			
Immersion checked in salt/fresh water	date		5:27
Weight of inside ballast placed at _____	40210	xx)	6:33
Beam	1.915	min. 1.90 m	7:9
Draft	1.550	max. 1.35 m	7
Freeboard at bow girth station	0.740		
" at stern girth station	0.600		
" at midship mark	0.575		
" average	0.638	min. 0.63 m	
Keel, ballast material	lead	lead or iron	10
" ht. of round at bottom	0.050	max. 75mm	10
" width at max. section 1 metre below L.W.L.	0.150	min. 150mm	10
Stern angle	0.268	min. 1 in 5.5 = 0.182	12
Round of beams	= 7	max. 7mm in 305mm	13
Tumble home	0.075		14
2% of max. beam	0.076		
Excess tumble home	subtract	3 x excess added to rating	14
Area of deck openings	2.25 m ²	max. 2.25 m ²	24
Cockpit forward of L1 mark		min. 1.75 m	25
Breadth of side decks		min. 35 cm	24
SAILS & RIGGING			
Height of sailplan above covering board level	11.100	max. 11.10 m	16
" " boom (black band) above covering board level	0.500	max. 0.85 m	17
" " fore triangle above covering board level (1)	8.880	max. 8.88 m	16
Base of fore triangle (J) (Deck black band to be checked)	2.642	max. 0.50 x S	16
Min. headsail for measurement purposes = 0.5 x 1 x J x 80%	9.562		15
Spinnaker, halliard above forestay	0.100	max. 10 cm	20
" " out from mast	0.005	max. 3 cm	20
" breadth of half the foot	3.365	max. 1.25 x J	20
Storm spinnaker, breadth of half the foot	2.692	max. J	20
Spinnaker boom length	2.692	max. J	21
Mast diameter at $\frac{1}{3}$ ht. of fore triangle, round mast	125 x 105	min. 11.5 cm	22
" " at deck	125 x 105	min. 10.9 cm	22
" " at jib halliards	125 x 105	min. 9.2 cm	22
" " at top	80 x 90	min. 5.8 cm	22
(The athwartship diameter of oval masts may be reduced by 10% of the above, but the sectional areas shall not be less)			
Weight of mast with fixed fittings	42	min. 40 kgs	22
Centre of gravity of mast above covering board level	74%	min. 38% of mast ht.	22
Boom depth	.105	max. 15.2 cm	23
Boom width	0.30	min. 3.8 cm	23
MISCELLANEOUS			
Weight of anchor	12 kg.	max. 13kgs min. 11kgs	26
Length of warp	30 m	min. 30 m	26
Top of 1 marks above water with yacht in racing trim	18		5

	Actual measures		Rule limits
<u>LENGTH L FOR RATING</u>			
Overall length L.O.A.		9.394	
Bow overhang to L ₁	0.965		
Stern overhang to L ₁	0.989		
Total overhang	add	1.954	
Measured length L ₁		subtract	
Girth at bow	0.661	7.440	
Twice vertical height at bow (=0.550 m)	0.550		
Bow girth difference	subtract	0.165	min. 0.165 m (rule 3)
Girth at stern	1.633		
Twice vertical height at stern	0.986		
Stern girth difference	subtract		
1/3 stern girth difference	0.647	0.234	min. 0.234 m (rule 3)
Length L for rating formula	div. by 3	add	
		7.839	
<u>SAIL AREA FOR RATING</u>			
Largest headsail = 0.5 x _____ (luff) x _____ (perp)		9.602	min. see next page
Mainsail = 0.5 x 3.660 (H) x 10.600 (B)		19.398	min. 26.5 m ² (rule 7)
Total sail area S		add	max. 29.0 m ²
\sqrt{S}		5.381	
<u>DISPLACEMENT</u>			
Weight of yacht (date when weighed _____)		2035	
Displacement D = weight div. by 1025.21 kg/m ³			min. 1.7 m ³ (rule 7)
$\sqrt[3]{D}$		1.985	max. 2.0 m ³
		1.257	
<u>RATING</u>			
Rating calc'd according to formula		5.495	
3 x tumble home excess		-	(rule 14)
FINAL RATING	add	5.495	

