

1979

International 5.5 Metre Class Certificate of Rating

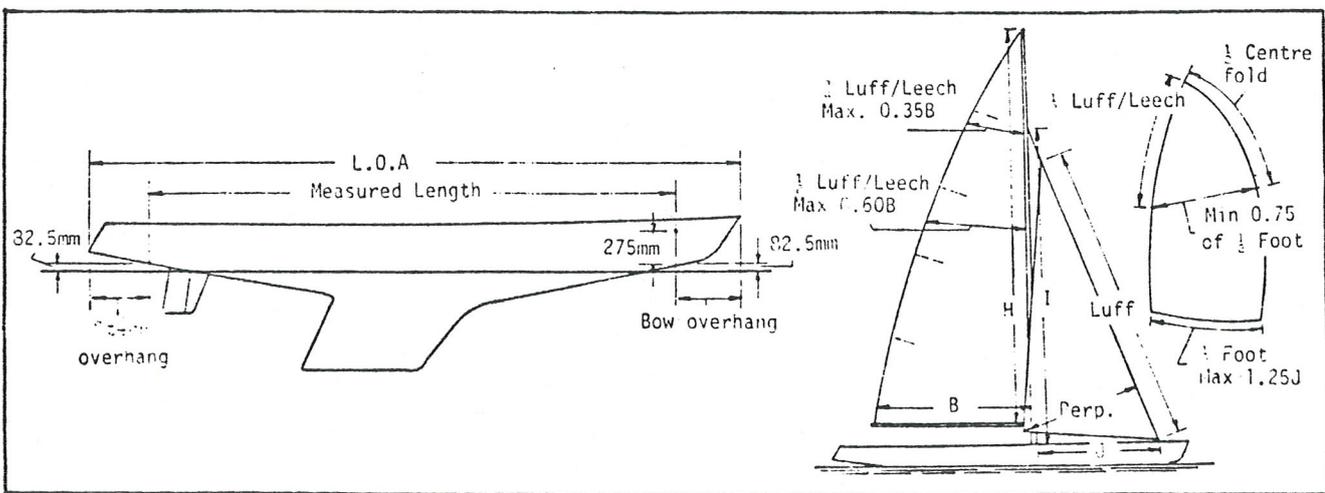
Yacht's name <i>Joker VII</i> Sail number <i>Z 148</i> Owner <i>Thomas Sprecher</i> Owner's club <i>SCE / ZYC</i> Designer <i>Th. Sprecher</i> Date completed <i>9.8.85</i> Condition of water when marks were sighted State fresh or salt	Classification society <i>Bureau Veritas Paris</i> Expiration date of classification certificate Measurements or partial remeasurements by N.A. Measurer, signature & date <i>USY - ...</i> <i>O. W. ...</i> <i>CH-8502 Kilchberg/ZH</i>
Difference in immersion (class rule 5) <i>0.007</i> (metres)
Has designer's or builder's declaration been supplied	<i>Yes</i>
I declare that the particulars given on this certificate are correct at this date Signature of measurer <i>[Signature]</i> Signature of designer or builder Signature of owner or representative	Expiration date of rating certificate <i>8.8.1987</i> Re-rated

Certificate authorised by Date for

(National Authority)
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	Actual measures		Rule Limit
LENGTH L FOR RATING			
Overall length L.O.A.		9.200	
Bow overhang to L ₁	.902		
Stern overhang to L ₁	1.006		
Total overhang	add	1.908	
Measured length L ₁		subtract	
Girth at bow	.683	7.292	
Twice vertical height at bow (=0.530 m)	.550		
Bow girth difference	subtract	.165 = min	min. 0.165 m (rule 3)
Girth at stern	1.692		
Twice vertical height at stern	.964		
Stern girth difference	subtract		
1/3 stern girth difference	.727		
Length L for rating formula	div. by 3	.242	min. 0.234 m (rule 3)
	add	7.699	
SAIL AREA FOR RATING			
Largest headsail = 0.5 x _____ (luff) x _____ (perp)		9.551	min. see next page
Mainsail = 0.5 x 10.25 (H) x 3.794 (B)		17.449	min. 26.5 m ² (rule 7)
Total sail area S		add	max. 29.0 m ²
\sqrt{S}		5.385	
DISPLACEMENT			
Weight of yacht (date when weighed 26.6.85)		1865	
Displacement D = weight div. by 1025.21 kg/m ³			min. 1.7 m ³ (rule 7)
$\sqrt[3]{D}$		1.221	max. 2.0 m ³
RATING			
Rating calc'd according to formula		6.101	
3 x tumble home excess		--	(rule 14)
FINAL RATING		add	
		5.491	

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	Actual ^{x)}	Rule Limits	Rule No.
HULL			
Immersion checked in salt/fresh water	date 9.8.85		5;27
Weight of inside ballast placed at _____	NONE	xx)	6;33
Beam	1.950	min. 1.90 m	7;9
Draft	1.844	max. 1.35 m	7
Freeboard at bow girth station	1.712		
" at stern girth station	1.65		
" at midship mark	1.571		
" average	1.629	min. 0.638m	
Keel, ballast material	lead	lead or iron	10
" ht. of round at bottom	nil	max. 75mm	10
" width at max. section 1 metre below L.W.L.	1.15	min. 150mm	10
Stern angle	0.218	min. 1 in 5.5 = 0.182	12
Round of beams	nil	max. 7mm in 305mm	13
Tumble home	-		14
2% of max. beam	-		
Excess tumble home	subtract	3 x excess added to rating	14
Area of deck openings	2.21m ²	max. 2.25 m ²	24
Cockpit forward of L1 mark	2.350	min. 1.75 m	25
Breadth of side decks	0.860	min. 35 cm	24
SAILS & RIGGING			
Height of sailplan above covering board level	11.090	max. 11.10 m	16
" " boom (black band) above covering board level	0.840	max. 0.85 m	17
" " fore triangle above covering board level (1)	8.870	max. 8.88 m	16
Base of fore triangle (J) (Deck black band to be checked)	2.692	max. 0.50 x S	16
Min. headsail for measurement purposes = 0.5 x l x J x 80%	9.577		15
Spinnaker, halliard above forestay	0.070	max. 10 cm	20
" " out from mast	-	max. 3 cm	20
" breadth of halt the foot	3.365	max. 1.25 x J	20
Storm spinnaker, breadth of halt the foot	2.692	max. J	20
Spinnaker boom length	2.692	max. J	21
Mast diameter at 1/2 ht. of fore triangle, round mast	17.6 x 10.2	min. 11.5 cm	22
" " at deck	17.6 x 10.2	min. 10.9 cm	22
" " at jib halliards	12.7 x 8.1	min. 9.2 cm	22
" " at top	7.0 x 5.7	min. 5.8 cm	22
(The athwartships 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	41	min. 40 kgs	22
Centre of gravity of mast above covering board level	43.9%	min. 38% of mast ht.	22
Boom depth	12.4 cm	max. 15.2 cm	23
Boom width	10.7 cm	min. 3.8 cm	23
MISCELLANEOUS			
Weight of anchor	12	max. 13kgs min. 11kgs	26
Length of warp	30 m	min. 30 m	26
Top of l marks above water with yacht in racing trim	1		