

1979

International 5.5 Metre Class Certificate of Rating

| | |
|---|---|
| Yacht's name <i>Pacha V</i> | Classification society <i>Veritas</i> No. <i>900467</i> |
| Sail number <i>Z 103</i> | Expiration date of classification certificate |
| Owner <i>J.P. Clerc</i> | Measurements or partial remeasurements by N.A. Measurer, signature & date |
| Owner's club <i>CVL</i> | <i>4.4.1982</i> |
| Designer <i>Ohlson</i> | USY.-Verm. <i>[Signature]</i> |
| Date completed <i>1967</i> | O. Weber <i>[Signature]</i> |
| Condition of water when marks were sighted State fresh or salt | CH-8802 Kilchberg/ZH |

Im USY-Register
eingetragen am
27. APR. 1982

Difference in immersion (class rule 5) *0.005* (metres)

Has designer's or builder's declaration been supplied

I declare that the particulars given on this certificate are correct at this date

Signature of measurer *3.4.1984*

Signature of designer or builder *Carie Pat.*

Signature of owner or representative

Re-rated

Certificate authorised by Date for
(National Authority)

| | Actual ^(x) | Rule limits | Rule No. |
|---|-----------------------|----------------------------|----------|
| .L | | | |
| Immersion checked in salt/fresh water | date | | 5;27 |
| Weight of inside ballast placed at | | xx) | 6;33 |
| Beam | 1.900 | min. 1.90 m | 7;9 |
| Draft | 1.345 | max. 1.35 m | 7 |
| Freeboard at bow girth station | .695 | | |
| " at stern girth station | .601 | | |
| " at midship mark | .600 | | |
| " average | .632 | min. 0.63 m | |
| Keel, ballast material | lead | lead or iron | 10 |
| " ht. of round at bottom | .050 | max. 75mm | 10 |
| " width at max. section 1 metre below L.W.L. | .155 | min. 150mm | 10 |
| Stern angle | 0.323 | min. 1 in 5.5 = 0.182 | 12 |
| Round of beams | none | max. 7mm in 305mm | 13 |
| Tumble home | .050 | | 14 |
| 2% of max. beam | .038 | | |
| Excess tumble home | subtract | 3 x excess added to rating | 14 |
| Area of deck openings | 2.1 m ² | max. 2.25 m ² | 24 |
| Cockpit forward of Ll mark | 7.175 | min. 1.75 m | 25 |
| Breadth of side decks | .350 | 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 | 1.700 | max. 0.85 m | 17 |
| " " fore triangle above covering board level (1) | 8.830 | max. 8.88 m | 16 |
| Base of fore triangle (J) (Deck black band to be checked) | 2.667 | max. 0.50 x S | 16 |
| Min. headsail for measurement purposes = 0.5 x l x J x 80% | 9.420 | | 15 |
| Spinnaker, halliard above forestay | 1100 | max. 10 cm | 20 |
| " " out from mast | 100.5 | max. 3 cm | 20 |
| " breadth of halt the foot | 3.334 | max. 1.25 x J | 20 |
| Storm spinnaker, breadth of halt the foot | 2.667 | max. J | 20 |
| Spinnaker boom length | 2.667 | max. J | 21 |
| Mast diameter at 1/3 ht. of fore triangle, round mast | 148x106 | min. 11.5 cm | 22 |
| " " at deck | 148x106 | min. 10.9 cm | 22 |
| " " at jib halliards | 136x104 | min. 9.2 cm | 22 |
| " " at top | 66x54 | 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 | 45 kg | min. 40 kgs | 22 |
| Centre of gravity of mast above covering board level | 78% | min. 38% of mast ht. | 22 |
| Boom depth | 140 | max. 15.2 cm | 23 |
| Boom width | 15 | min. 3.8 cm | 23 |
| MISCELLANEOUS | | | |
| Weight of anchor | 13 kg | 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 | | | 5 |

| | Actual measures | | Rule limits |
|---|-----------------|----------|-----------------------------------|
| LENGTH L FOR RATING | | | |
| Overall length L.O.A. | | 9.420 | |
| Bow overhang to L ₁ | 1.040 | | |
| Stern overhang to L ₁ | 0.856 | | |
| Total overhang | add | 1.896 | |
| Measured length L ₁ | | subtract | |
| Girth at bow | 0.708 | 7.524 | |
| Twice vertical height at bow (=0.550 m) | 1.100 | | |
| Bow girth difference | subtract | 1.665 | min. 0.165 m (rule 3) |
| Girth at stern | 1.584 | | |
| Twice vertical height at stern | 1.076 | | |
| Stern girth difference | subtract | | |
| 1/3 stern girth difference | div. by 3 | 0.234 | min. 0.234 m (rule 3) |
| Length L for rating formula | add | 7.923 | |
| SAIL AREA FOR RATING | | | |
| Largest headsail = 0.5 x _____ (luff) x _____ (perp) | | | min. see next page |
| Mainsail = 0.5 x _____ (H) x _____ (B) | | | min. 26.5 m ² (rule 7) |
| Total sail area S | add | 28.461 | max. 29.0 m ² |
| \sqrt{S} | | 5.335 | |
| DISPLACEMENT | | | |
| Weight of yacht (date when weighed <u>Mar 1967</u>) | | 2050 | |
| Displacement D = weight div. by 1025.21 kg/m ³ | | 2.000 | min. 1.7 m ³ (rule 7) |
| $\sqrt[3]{D}$ | | 1.260 | max. 2.0 m ³ |
| RATING | | | |
| Rating calc'd according to formula | | 5.499 | |
| 3 x tumble home excess | - | | (rule 14) |
| FINAL RATING | add | 5.499 | |

