

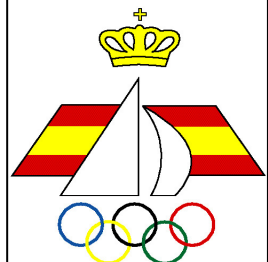


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2020
International
Double Handed

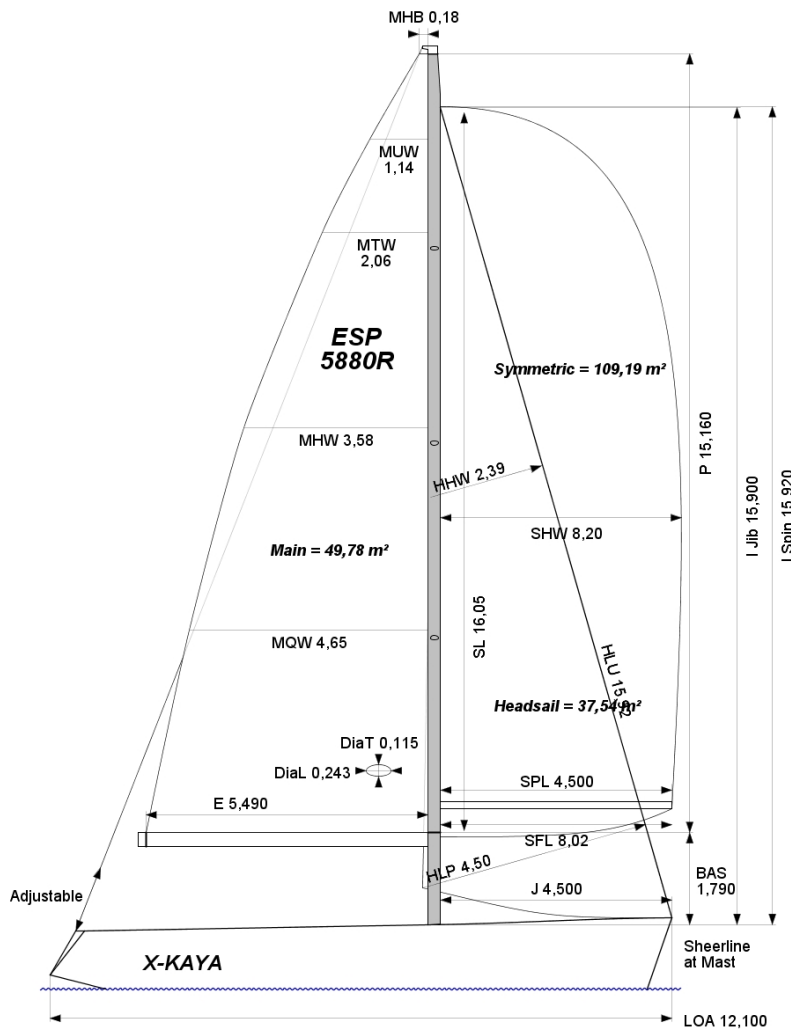
Rating Office

R.F.E.V.
c/Gamazo s/n
Santander
crucero@rfev.es

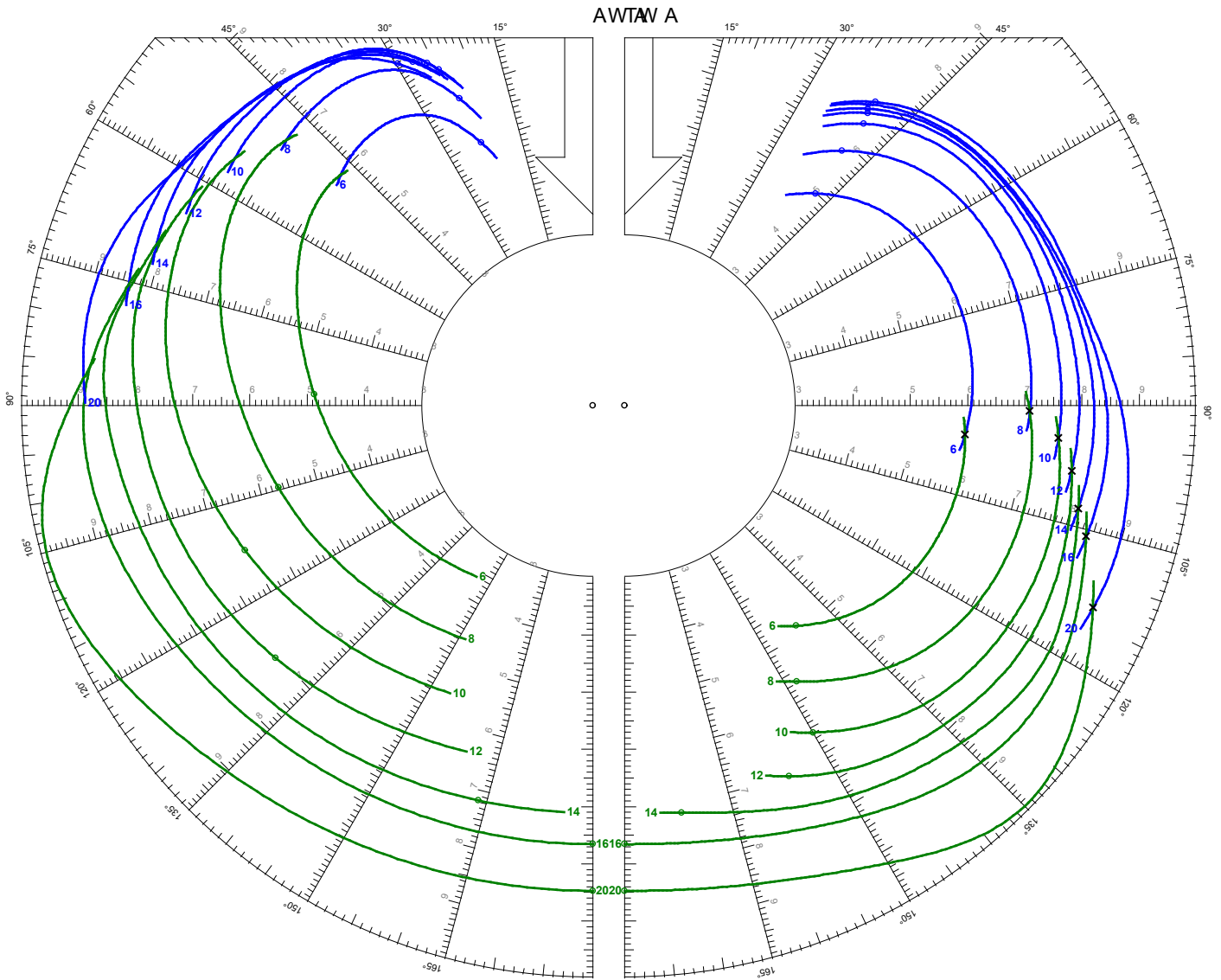


Certificate

Number **5880R1**
Issued On **02/07/2020**
ORC Ref **03510000LRE**
VPP Ver. **2020 1.02**
Valid until **31/12/2020**



| | | | | | |
|---|------------------|----------------------------|--|--|--|
| BOAT Name X-KAYA Sail Nr ESP-5880_R | | GPH 598,1 | HULL Data File E5880_R LOA 12,100m Offset File IMX40.OFF MB 3,780m Displacement 6.702kg Draft 2,417m | | Crew Weight Default 170kg Maximum 170kg Non Manual Pwr No |
| CLASS Class IMX 40 Designer JEPPESEN Builder X YACHTS Series 01/2000 Age Date 05/2001 Age Allowance 0,487% | | | IMS Division Cruiser/Racer Dynamic All. 0,078% Fwd Accom. Yes Construction Cored Fiber Rigging No Aramid Core No Crew Arm Ex Carbon Rudder No Light Stanchions | | Sails Limitations Headsails 6 Spinnakers 4 |
| COMMENTS 193 KG PLOMO ALREDEDOR QUILLA. SOLO VALIDO TRIP.REDUCIDA | | | IMSL 10,722m VCGD 0,055m Sink 22,02kg/mm RL 8,876m VCGM 0,060m WS 29,46m² LSM0 10,648m Displacement/Length ratio | | Spinnaker configuration Symmetric: Yes 109,19 Asymmetric: No Flying H/S: No Spin. Pole: Yes |
| PROPELLER Installation Strut PRD 0,400 Type Folding 2 blades PBW 0,108 PIPA 0,0031 | | | CENTERBOARD Water Ballast Trim Tab No BLR Index 0,0000 N/A | | Stability (Measured) Limit Positive Stab.: 117,1° Stability Index: 118,7 |
| SCORING OPTIONS | | | | | |
| | Time on Distance | Time on Time | | | |
| Coastal or Long Distance | 583,0 | 1,0292 | | | |
| Circular Random | 598,1 | 1,0032 | | | |
| Predominantly Upwind | 580,6 | 1,0334 | | | |
| Predominantly Downwind | 539,3 | 1,1125 | | | |
| Owner | | | | | |



| Polar Plot for Boat | |
|---------------------|-----------------------------------|
| Name | X-KAYA |
| Sail Number | ESP-5880_R |
| Class | IMX 40 |
| Designer | JEPPESEN |
| Builder | X YACHTS |
| Issued On | 02/07/2020 - VPP 2020 1.02 |

| BOAT | |
|---------------------------|----------------------------------|
| Name X-KAYA | Certificate Number 5880R1 |
| Sail Nr ESP-5880_R | Issued On 02/07/2020 |

| TIME ALLOWANCES | | | | | | | |
|-------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Wind Velocity | 6 kt | 8 kt | 10 kt | 12 kt | 14 kt | 16 kt | 20 kt |
| Beat VMG | 978,4 | 814,5 | 736,1 | 708,8 | 698,4 | 687,5 | 681,8 |
| 52° | 647,5 | 545,8 | 502,6 | 489,7 | 484,6 | 482,3 | 474,5 |
| 60° | 615,4 | 522,6 | 486,8 | 474,7 | 469,8 | 467,6 | 460,0 |
| 75° | 591,0 | 507,2 | 475,0 | 459,8 | 451,4 | 447,0 | 443,4 |
| 90° | 596,9 | 509,6 | 473,7 | 454,9 | 440,6 | 429,1 | 416,9 |
| 110° | 606,2 | 502,9 | 464,1 | 446,2 | 434,4 | 423,5 | 403,8 |
| 120° | 622,5 | 513,1 | 468,0 | 443,1 | 421,9 | 408,9 | 388,7 |
| 135° | 687,5 | 558,2 | 489,8 | 458,6 | 434,6 | 410,5 | 365,7 |
| 150° | 815,1 | 649,9 | 549,0 | 489,6 | 460,0 | 437,2 | 392,2 |
| Run VMG | 941,2 | 750,4 | 634,0 | 558,9 | 508,8 | 472,4 | 427,0 |
| Selected Courses | | | | | | | |
| Windward / Leeward | 959,8 | 782,5 | 685,0 | 633,8 | 603,6 | 580,0 | 554,4 |
| Circular Random | 815,7 | 661,5 | 580,4 | 534,6 | 507,1 | 489,2 | 465,9 |
| Coastal / Long Distance | 957,9 | 735,7 | 617,9 | 553,1 | 518,3 | 490,0 | 445,7 |
| Non Spinnaker | 871,6 | 700,8 | 609,2 | 556,2 | 523,8 | 502,7 | 476,0 |

| Velocity Prediction in Knots for True Wind Speeds | | | | | | | |
|--|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Wind Velocity | 6 kt | 8 kt | 10 kt | 12 kt | 14 kt | 16 kt | 20 kt |
| Beat Angles | 42,0° | 40,5° | 40,3° | 39,8° | 39,4° | 39,0° | 39,6° |
| Beat VMG | 3,68 | 4,42 | 4,89 | 5,08 | 5,15 | 5,24 | 5,28 |
| 52° | 5,56 | 6,60 | 7,16 | 7,35 | 7,43 | 7,46 | 7,59 |
| 60° | 5,85 | 6,89 | 7,39 | 7,58 | 7,66 | 7,70 | 7,83 |
| 75° | 6,09 | 7,10 | 7,58 | 7,83 | 7,98 | 8,05 | 8,12 |
| 90° | 6,03 | 7,06 | 7,60 | 7,91 | 8,17 | 8,39 | 8,63 |
| 110° | 5,94 | 7,16 | 7,76 | 8,07 | 8,29 | 8,50 | 8,92 |
| 120° | 5,78 | 7,02 | 7,69 | 8,12 | 8,53 | 8,80 | 9,26 |
| 135° | 5,24 | 6,45 | 7,35 | 7,85 | 8,28 | 8,77 | 9,85 |
| 150° | 4,42 | 5,54 | 6,56 | 7,35 | 7,83 | 8,23 | 9,18 |
| Run VMG | 3,82 | 4,80 | 5,68 | 6,44 | 7,08 | 7,62 | 8,43 |
| Gybe Angles | 142,0° | 148,0° | 150,0° | 156,0° | 172,0° | 180,0° | 180,0° |