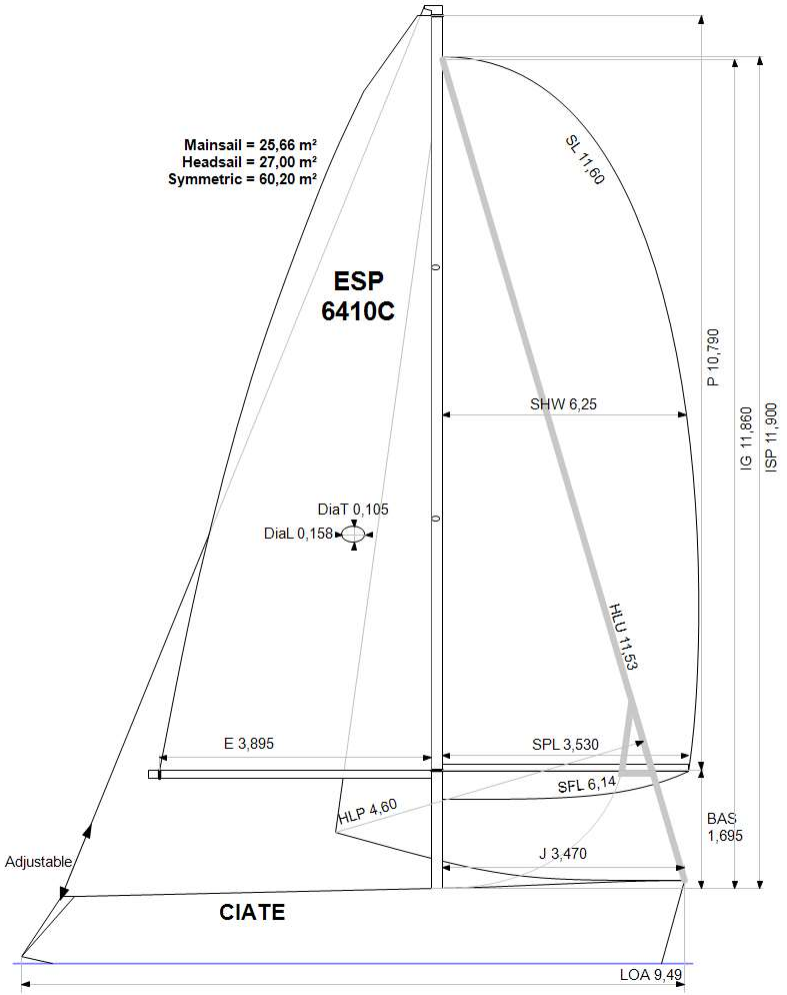
# Club Certificate Double Handed 2021

Boat
**CIATE**
ESP-6410_C

R.F.E.V.
c/Gamazo s/n
39004 Santander - España
crucero@rfev.es

Certificate number: 6410R1

**GPH = 673,0** **CDL = 8,147**




| Rated boat velocities in knots | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Velocidad del viento** | **6 kt** | **8 kt** | **10 kt** | **12 kt** | **14 kt** | **16 kt** | **20 kt** |
| Beat Angles | 42,8° | 41,3° | 40,5° | 39,8° | 39,6° | 39,8° | 40,1° |
| Beat VMG | 3,17 | 3,84 | 4,33 | 4,60 | 4,69 | 4,71 | 4,69 |
| 52° | 4,84 | 5,75 | 6,37 | 6,65 | 6,74 | 6,78 | 6,79 |

## BARCO

| | |
|---|---|
| Modelo | **FIRST 31.7** |
| Diseñador | **FINOT** |
| Constructor | **BENETEAU** |
| fecha de Botadura | **08/2002** |
| Series Date | **09/1998** |
| Fichero Casco | **FIRST317.off** |

## casco

| | |
|---|---|
| Length Overall | **9,490 m** |
| Maximum Beam | **3,212 m** |
| Calado | **1,924 m** |
| Desplazamiento | **3.712 kg** |
| DLR | **5,2142** |
| Division IMS | **Crucero/regata** |
| Dynamic Allowance | **0,306%** |
| Bonificación Antiguedad | **0,487%** |

## Helice

| | |
|---|---|
| Instalación | **Z Sumergida** |
| Tipo | **Plegable 2 palas** |
| Diameter | **0,300m** |

## CREW

| | |
|---|---|
| Maximum weight | **170 kg** |
| Minimum weight | **120 kg** ** when applied* |
| Non Manual Power | **No** |
| Crew Arm Extension | |

## SAIL AREAS (m²)

| | Measured | Rated |
|---|---|---|
| Mainsail | **25,66** | **26,46** |
| Headsail Luffed | **27,00** | **27,00** |
| Headsail Flying | | |
| Symmetric | **60,20** | **60,20** |
| Asymmetric | | |

## SAIL LIMITATIONS

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 60° | 5,12 | 6,03 | 6,59 | 6,84 | 6,95 | 6,99 | 7,00 |
| 75° | 5,35 | 6,26 | 6,76 | 7,02 | 7,21 | 7,32 | 7,40 |
| 90° | 5,30 | 6,24 | 6,80 | 7,08 | 7,33 | 7,57 | 7,92 |
| 110° | 5,21 | 6,31 | 6,92 | 7,29 | 7,64 | 7,88 | 8,25 |
| 120° | 5,05 | 6,16 | 6,84 | 7,24 | 7,63 | 8,05 | 8,65 |
| 135° | 4,56 | 5,63 | 6,49 | 6,98 | 7,36 | 7,78 | 8,73 |
| 150° | 3,85 | 4,90 | 5,80 | 6,55 | 6,99 | 7,34 | 8,16 |
| Run VMG | 3,34 | 4,24 | 5,03 | 5,75 | 6,38 | 6,86 | 7,56 |
| Gybe Angle | 146,0° | 150,0° | 152,0° | 157,0° | 180,0° | 180,0° | 180,0° |

Velas proa 1
Spinanker 4

## STABILITY

Righting Moment **90,0 kg·m**
Stability Index **N/A**

## OWNER

*The owner certifies that he/she understands his/her responsibilities under ORC Rule and Regulations.*

ORC Ref **03510001BH8** Issued on **08/06/2021** Valid until **31/12/2021**

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ORC

Club
Certificate
**Double Handed**
**2021**

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| Time Allowances in secs/NM | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Velocidad del viento** | **6 kt** | **8 kt** | **10 kt** | **12 kt** | **14 kt** | **16 kt** | **20 kt** |
| Beat VMG | 1133,9 | 936,6 | 831,5 | 782,4 | 767,2 | 763,6 | 766,9 |
| 52° | 743,5 | 626,0 | 564,9 | 541,4 | 533,9 | 531,1 | 530,2 |
| 60° | 703,6 | 596,7 | 546,3 | 526,2 | 518,2 | 514,7 | 514,3 |
| 75° | 673,2 | 575,3 | 532,9 | 512,7 | 499,5 | 491,5 | 486,2 |
| 90° | 678,9 | 577,0 | 529,1 | 508,5 | 491,3 | 475,8 | 454,3 |
| 110° | 691,5 | 570,9 | 520,4 | 493,9 | 471,1 | 457,1 | 436,6 |
| 120° | 712,2 | 584,7 | 526,2 | 497,4 | 471,9 | 447,4 | 416,0 |
| 135° | 788,6 | 639,5 | 554,5 | 515,4 | 489,4 | 462,9 | 412,2 |
| 150° | 934,2 | 734,7 | 620,5 | 549,9 | 515,1 | 490,6 | 441,2 |
| Run VMG | 1078,7 | 848,4 | 715,3 | 626,6 | 564,6 | 524,7 | 476,2 |
| **Recorridos** | | | | | | | |
| Barlovento/Sotavento | 1106,3 | 892,5 | 773,4 | 704,5 | 665,9 | 644,2 | 621,5 |
| All purpose | 850,7 | 698,1 | 618,1 | 576,5 | 551,6 | 536,9 | 516,9 |

| Single Number Scoring Options | | |
|---|---|---|
| **Course** | **Time On Distance** | **Time On Time** |
| Barlovento/Sotavento | 739,3 | 0,8116 |
| All purpose | 598,8 | 1,0020 |

## Custom scoring options for Spain

| Single Number | Time On Distance |
|---|---|
| Coastal/Long Distance | 653,1 |
| Triple Number Coastal/Long Distance Low | 774,4 |
| Triple Number Coastal/Long Distance Medium | 594,3 |
| Triple Number Coastal/Long Distance High | 533,1 |
| Triple Number Windward/Leeward Low | 999,3 |
| Triple Number Windward/Leeward Medium | 733,5 |
| Triple Number Windward/Leeward High | 641,1 |

| Performance Curve | 6 kt | 8 kt | 10 kt | 12 kt | 14 kt | 16 kt | 20 kt |
|---|---|---|---|---|---|---|---|
| Coastal/Long Distance | 1103,5 | 838,7 | 696,7 | 615,6 | 574,3 | 542,6 | 491,9 |