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2020
Club
Double Handed

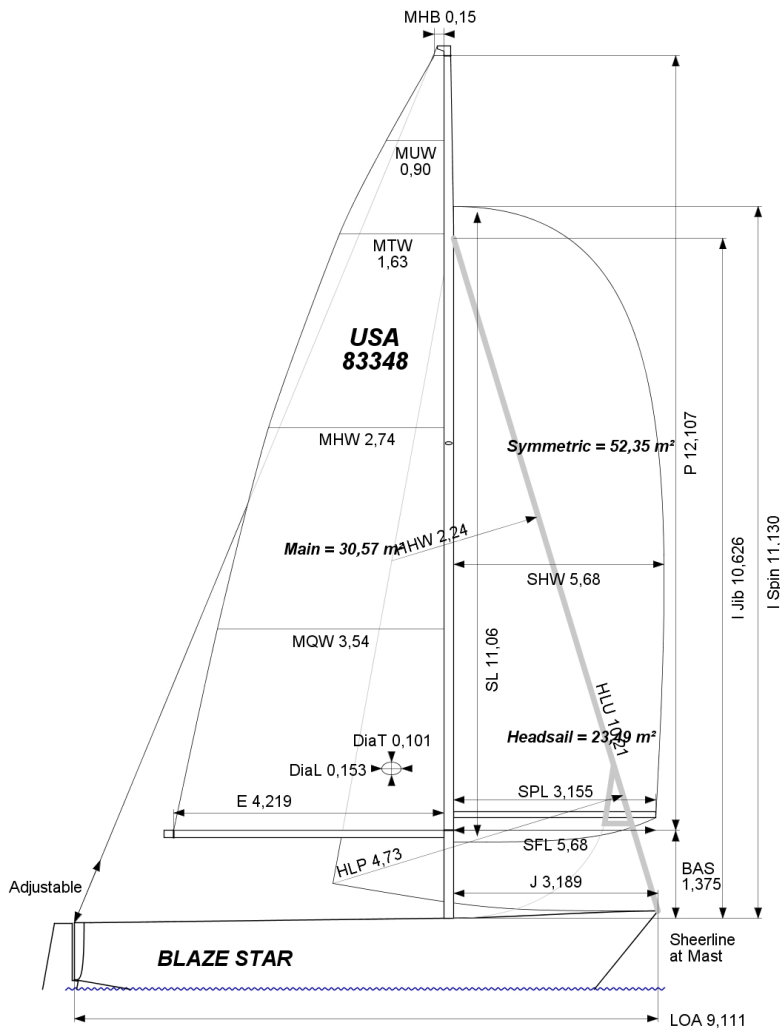
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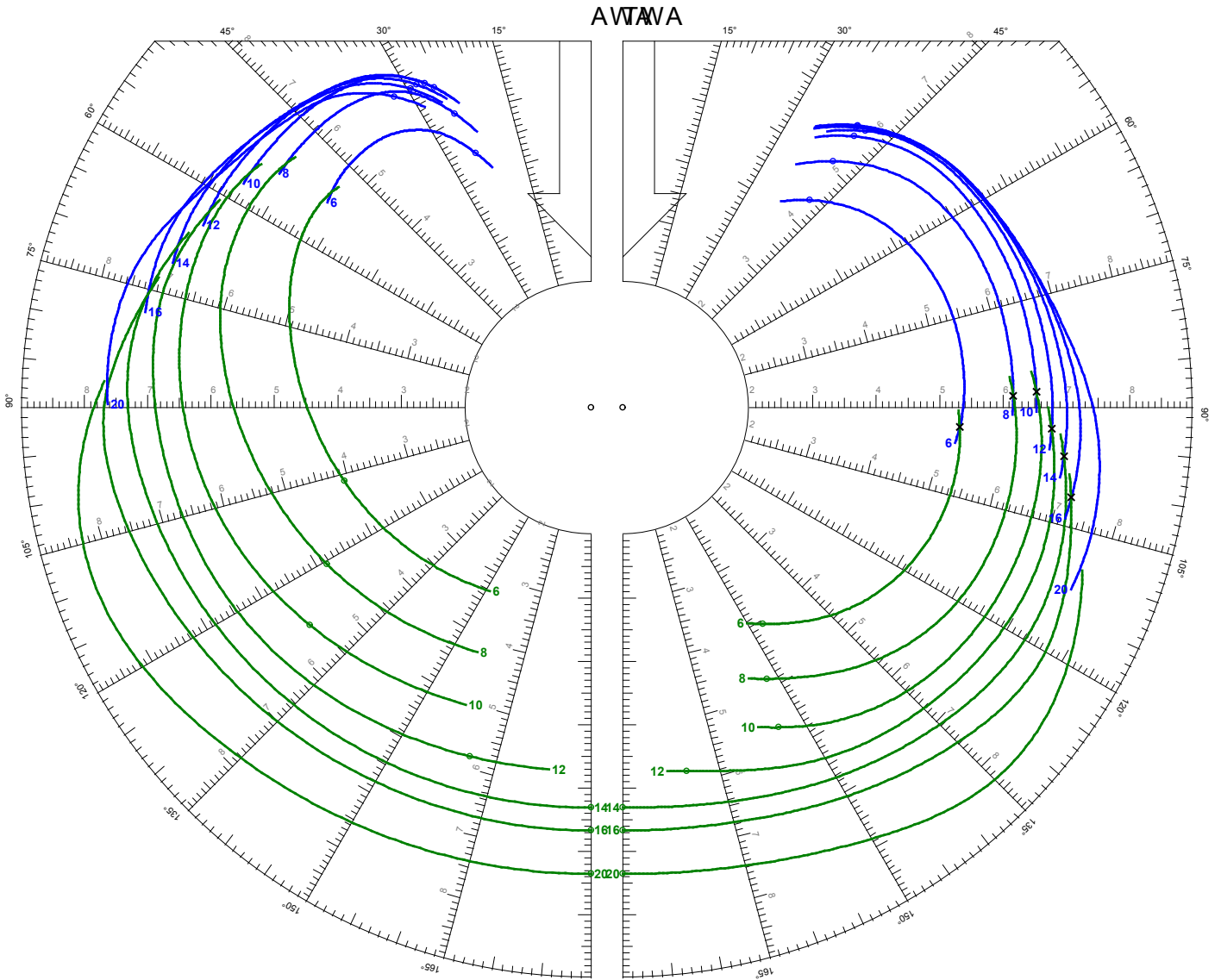


Certificate

Number **US6462**
Issued On **28/09/2020**
ORC Ref **03410000QWA**
VPP Ver. **2020 1.02**
Valid until **31/12/2020**



| | | | | | | |
|--|-------------------------|----------------------------|---|--|---|--|
| BOAT Name BLAZE STAR Sail Nr USA 83348 | | GPH 688.3 | HULL Data File US6462 DH LOA 9.111m Offset File US9220c.off MB 3.402m Displacement 3,079kg Draft 1.769m | | Crew Weight Default 170kg Maximum 170kg Non Manual Pwr No | |
| CLASS Class PEARSON FLYER Designer Bill Shaw Builder Pearson Series 01/1981 Age Date 01/1981 Age Allowance 0.487% | | | IMS Division Performance Dynamic All. 0.020% Fiber Rigging No Construction Cored Crew Arm Ex 0.00 Aramid Core No Carbon Rudder No Light Stanchions | | Sails Limitations Headsails 1 Spinnakers 4 | |
| COMMENTS | | | IMSL 7.835m VCGD 0.073m Sink 13.45kg/mm RL 6.662m VCGM 0.046m WS 17.95m² LSM0 7.955m Displacement/Length ratio 6.1163 | | Spinnaker configuration Symmetric: Yes 52.35 Asymmetric: No Flying H/S: No Spin. Pole: Yes | |
| PROPELLER Installation Shaft exposed PRD 0.333 Type Folding 2 blades PBW 0.089 PIPA 0.0025 | | | CENTERBOARD N/A | | Stability (Estimated) Limit Positive Stab.: 117.8° Stability Index: 112.0 | |
| SCORING OPTIONS | | | | | | |
| | Time on Distance | Time on Time | | | | |
| Coastal or Long Distance | 672.2 | 0.8926 | | | | |
| Circular Random | 688.3 | 0.8717 | | | | |
| Predominantly Upwind | 671.8 | 0.8932 | | | | |
| Predominantly Downwind | 621.3 | 0.9657 | | | | |
| Owner | | | | | | |



| |
|---|
| Polar Plot for Boat |
| Name BLAZE STAR |
| Sail Number USA 83348 |
| Class PEARSON FLYER |
| Designer Bill Shaw |
| Builder Pearson |
| Issued On 28/09/2020 - VPP 2020 1.02 |

2020

Double Handed Certificate Appendix

| BOAT | | | |
|-------------|-------------------|--------------------|-------------------|
| Name | BLAZE STAR | Certificate Number | US6462 |
| Sail Nr | USA 83348 | Issued On | 28/09/2020 |

| TIME ALLOWANCES | | | | | | | | |
|-------------------------|---------------|--------------|--------------|--------------|--------------|--------------|--------------|--|
| Wind Velocity | 6 kt | 8 kt | 10 kt | 12 kt | 14 kt | 16 kt | 20 kt | |
| Beat VMG | 1104.2 | 929.8 | 844.8 | 818.1 | 811.7 | 813.9 | 828.4 | |
| 52° | 732.8 | 625.4 | 583.1 | 570.8 | 566.6 | 565.6 | 565.5 | |
| 60° | 696.9 | 602.0 | 567.9 | 555.2 | 550.4 | 548.7 | 548.2 | |
| 75° | 668.9 | 586.7 | 555.9 | 539.2 | 528.5 | 523.3 | 521.6 | |
| 90° | 673.4 | 584.5 | 550.4 | 533.3 | 516.1 | 501.9 | 487.3 | |
| 110° | 682.7 | 580.8 | 543.0 | 516.6 | 496.0 | 484.0 | 468.1 | |
| 120° | 705.5 | 592.8 | 548.9 | 521.0 | 493.9 | 469.9 | 446.1 | |
| 135° | 781.4 | 642.2 | 571.8 | 539.4 | 512.0 | 484.5 | 436.0 | |
| 150° | 919.5 | 733.2 | 626.2 | 567.3 | 537.6 | 511.5 | 460.9 | |
| Run VMG | 1061.8 | 846.5 | 718.0 | 631.5 | 574.0 | 542.9 | 492.3 | |
| Selected Courses | | | | | | | | |
| Windward / Leeward | 1083.0 | 888.1 | 781.4 | 724.8 | 692.8 | 678.4 | 660.4 | |
| Circular Random | 928.5 | 757.5 | 668.5 | 619.1 | 590.5 | 573.0 | 552.4 | |
| Coastal / Long Distance | 1080.9 | 836.1 | 708.7 | 640.0 | 602.6 | 572.8 | 524.2 | |
| Non Spinnaker | 970.3 | 786.6 | 689.9 | 635.5 | 603.5 | 583.8 | 561.1 | |

| 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° | 40.5° | 39.8° | 39.8° | 39.8° | 41.3° | |
| Beat VMG | 3.26 | 3.87 | 4.26 | 4.40 | 4.44 | 4.42 | 4.35 | |
| 52° | 4.91 | 5.76 | 6.17 | 6.31 | 6.35 | 6.36 | 6.37 | |
| 60° | 5.17 | 5.98 | 6.34 | 6.48 | 6.54 | 6.56 | 6.57 | |
| 75° | 5.38 | 6.14 | 6.48 | 6.68 | 6.81 | 6.88 | 6.90 | |
| 90° | 5.35 | 6.16 | 6.54 | 6.75 | 6.98 | 7.17 | 7.39 | |
| 110° | 5.27 | 6.20 | 6.63 | 6.97 | 7.26 | 7.44 | 7.69 | |
| 120° | 5.10 | 6.07 | 6.56 | 6.91 | 7.29 | 7.66 | 8.07 | |
| 135° | 4.61 | 5.61 | 6.30 | 6.67 | 7.03 | 7.43 | 8.26 | |
| 150° | 3.92 | 4.91 | 5.75 | 6.35 | 6.70 | 7.04 | 7.81 | |
| Run VMG | 3.39 | 4.25 | 5.01 | 5.70 | 6.27 | 6.63 | 7.31 | |
| Gybe Angles | 147.0° | 152.0° | 154.0° | 170.0° | 180.0° | 180.0° | 180.0° | |