

GPH = 718.4 **CDL = 6.419**

BOAT

Class **J-24**
Designer **JOHNSTONE**
Builder **J-Boats**
Age Date
Series Date **01/1977**
Offset File **J24.OD**

HULL

Length Overall **7.318 m**
Maximum Beam **2.692 m**
Draft **1.225 m**
Displacement **1,271 kg**
DLR **5.6590**
IMS Division **Sportboat**
Dynamic Allowance **0.000%**
Age Allowance **0.487%**

PROPELLER

Installation **No Propeller**
Type **N/A**
Diameter **N/A**

CREW

Maximum weight **400 kg**
Minimum weight **300 kg * when applied**
Non Manual Power **No**
Crew Arm Extension

SAIL AREAS (m²)

	Measured	Rated
Mainsail	15.66	16.03
Headsail Luffed	18.78	18.78
Headsail Flying		
Symmetric	35.34	35.34
Asymmetric		

SAIL LIMITATIONS

Headsails **5**
Spinnakers **4**

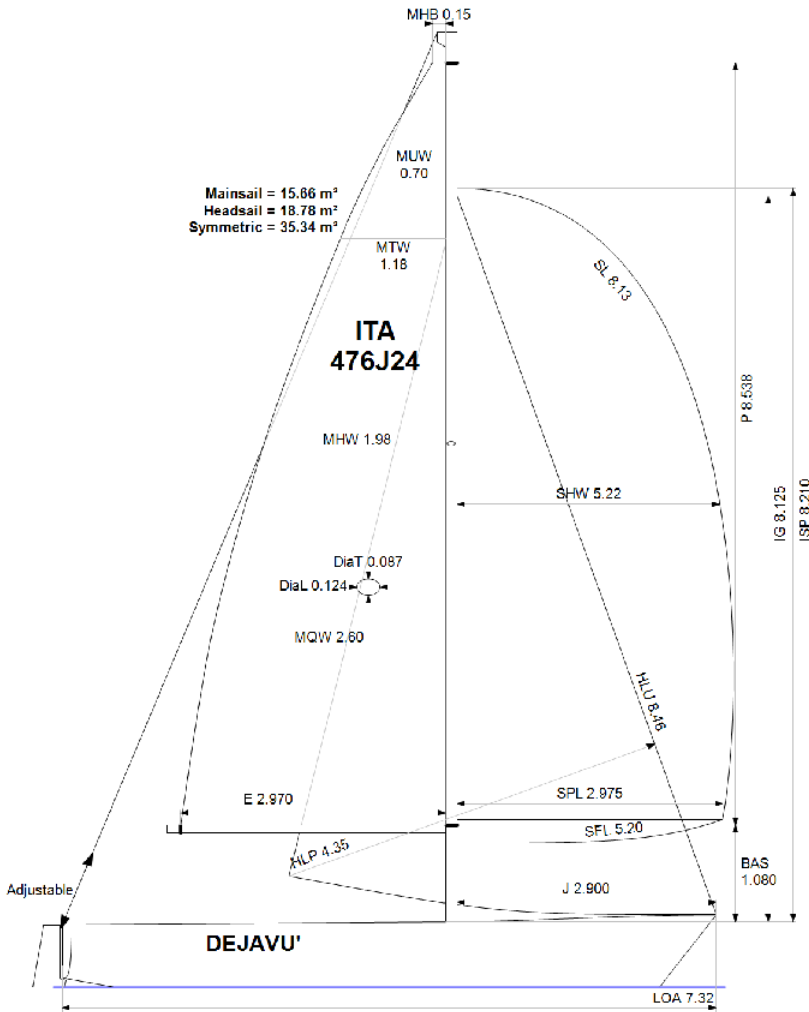
STABILITY

Righting Moment **27.0 kg·m**
Stability Index **95.3**

COMMENTS

Intestatario: Spreafico Ruggero

OWNER



Rated boat velocities in knots

Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat Angles	43.1°	42.0°	40.7°	39.4°	39.0°	39.0°	40.9°
Beat VMG	3.04	3.63	4.05	4.30	4.38	4.39	4.27
52°	4.63	5.43	5.85	6.07	6.17	6.21	6.18
60°	4.93	5.67	6.01	6.24	6.40	6.48	6.50
75°	5.16	5.81	6.14	6.44	6.74	6.93	7.06
90°	5.12	5.81	6.23	6.62	6.86	7.19	7.66
110°	4.97	5.84	6.30	6.79	7.28	7.77	8.57
120°	4.83	5.74	6.21	6.67	7.16	7.74	9.36
135°	4.36	5.28	5.95	6.35	6.80	7.28	8.63
150°	3.68	4.64	5.45	6.00	6.37	6.79	7.74
Run VMG	3.19	4.02	4.75	5.43	5.93	6.28	7.07
Gybe Angles	148.0°	152.0°	154.0°	174.0°	180.0°	180.0°	180.0°

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

Time Allowances in secs/NM							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1184.2	992.1	889.1	836.3	822.4	820.3	843.2
52°	776.8	662.5	615.2	592.8	583.6	579.8	582.5
60°	730.6	634.7	599.4	576.7	562.2	555.5	553.9
75°	698.2	620.1	586.3	558.6	534.3	519.7	510.2
90°	703.5	619.6	577.6	543.9	524.8	500.5	469.9
110°	723.7	616.6	571.2	530.3	494.2	463.2	420.0
120°	745.7	627.6	579.8	539.6	502.8	465.4	384.8
135°	826.4	681.6	605.6	566.9	529.4	494.6	417.2
150°	978.4	776.1	661.1	600.0	564.7	530.0	464.9
Run VMG	1129.8	895.6	757.2	662.5	607.3	572.8	509.1
Selected Courses							
Windward / Leeward	1157.0	943.8	823.1	749.4	714.8	696.6	676.1
All purpose	888.4	742.8	667.4	621.3	593.4	573.6	546.4

Single Number Scoring Options		
Course	Time On Distance	Time On Time
Windward / Leeward	788.1	0.7613
All purpose	641.9	0.9347

Custom scoring options for Italy

Single Number	Time On Distance	Time On Time
Coastal/Long Distance	698.1	0.8595
Triple Number Coastal/Long Distance Low	815.5	0.7357
Triple Number Coastal/Long Distance Medium	639.8	0.9378
Triple Number Coastal/Long Distance High	568.3	1.0557
Triple Number Windward/Leeward Low	1050.4	0.5712
Triple Number Windward/Leeward Medium	781.6	0.7677
Triple Number Windward/Leeward High	693.5	0.8652

Performance Curve	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Coastal/Long Distance	1154.3	888.0	746.7	662.1	618.2	580.1	510.4