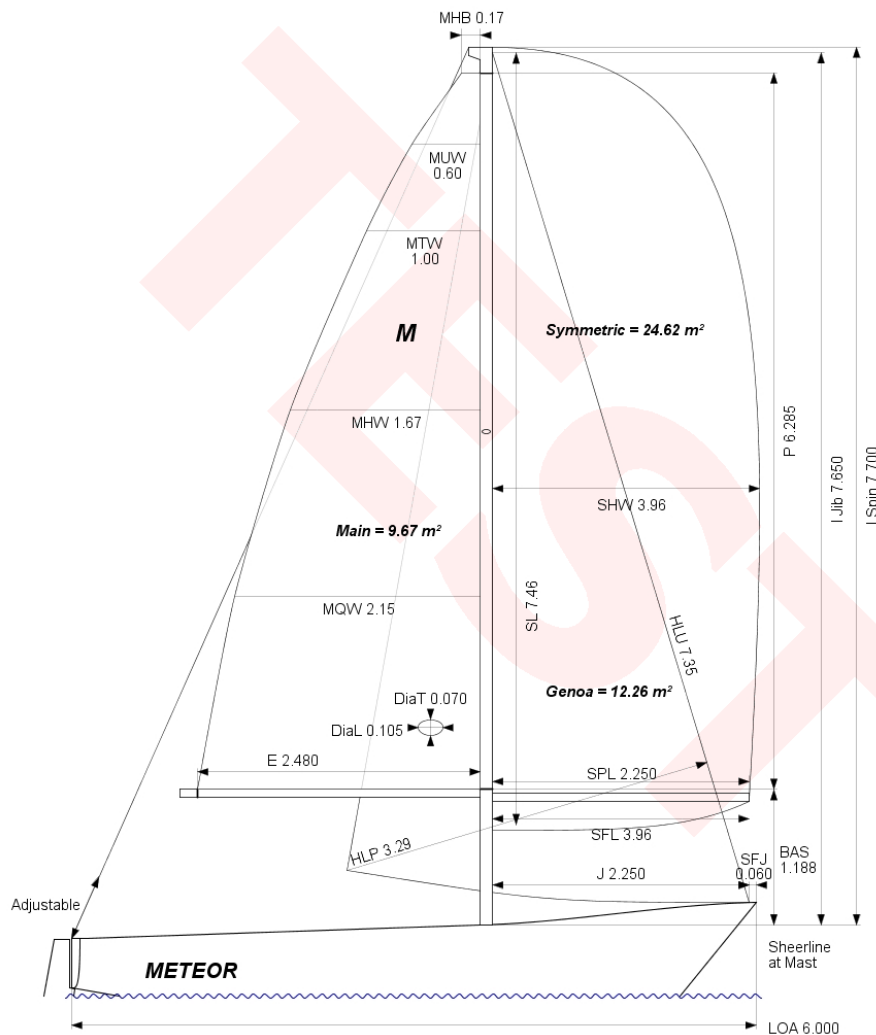




World Leader in Rating Technology

2019 (Test) ORC Club One Design Certificate



Rating Office

Certificate

Number **METEOR**
Issued On **15/01/2019**
ORC Ref **N/A**
VPP Ver. **2019 1.01**

Invalid for Racing

Crew Weight

Default 272kg
Maximum **270kg**
Minimum* **185kg**
**when applied by the NoR and SI*
Non Manual Pwr **No**

Special Scoring

	ToD	ToT
Non Spin GPH	838.3	0.7157
Non Spin OSN	810.8	0.7400

Sails Limitations

Headsails **5** Spinnakers **3**

Spinnaker configuration

Symmetric: **Yes 24.62**
Asymmetric: **No**
Flying H/S: **No**
Spin. Pole: **Yes**

Class Division Length

CDL = 5.139

Stability (Estimated)

Limit Positive Stab.: **108.2°**
Stability Index: **99.8**

Owner

ASSOMETEOR

I certify that I understand my responsibilities under ORC Rules and Regulations

Signature

BOAT		GPH		HULL		
Name	METEOR		808.2	Data File	meteor LOA 6.000m	
Sail Nr	M-			Offset File	meteor.od MB 2.052m	
				Displacement	802kg Draft 0.966m	
CLASS						
Class	METEOR	IMS Division	Cruiser/Racer	Dynamic All.	0.262%	
Designer	VAN DE STADT	Fwd Accom.	Yes	Construction	Solid	
Builder	NAUTICALODI	Fiber Rigging	No	Aramid Core	No	
Series	01/1968	Crew Arm Ex		Carbon Rudder	No	
Age Date	01/1968			Light Stanchions	No	
Age Allowance	0.487%	IMSL	5.272m VCGD	-0.150m Sink	5.88kg/mm	
		RL	5.005m VCGM	-0.081m WS	7.93m²	
		LSMO	5.210m Displacement/Length ratio		5.6710	
COMMENTS		Water Ballast	0 Trim Tab	No		
CLASS RULES		BLR Index	0.0000			
PROPELLER		CENTERBOARD				
Type No Propeller		N/A				
SCORING OPTIONS						
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time on Distance	785.1			870.2		
Time on Time	0.7642			0.7757		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	910.8	720.5	650.6	1163.0	870.9	781.4
Time on Time	0.7411	0.9369	1.0375	0.5804	0.7751	0.8638



World Leader in Rating Technology

2019 (Test)

ORC Club Certificate Appendix

BOAT		Certificate Number	METEOR
Name	METEOR		
Sail Nr	M-	Issued On	15/01/2019

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1340.5	1129.7	1008.2	943.8	927.8	927.1	959.1
52°	878.9	747.9	697.8	673.3	661.1	657.4	661.2
60°	829.7	719.3	681.1	657.7	640.9	634.1	634.9
75°	798.6	703.7	667.2	640.9	616.3	597.3	585.7
90°	807.0	698.0	653.5	622.1	603.7	582.8	548.1
110°	808.4	692.5	646.7	606.6	571.2	544.0	514.5
120°	832.9	703.4	654.5	614.4	576.9	543.2	489.1
135°	912.0	748.6	677.9	639.0	600.8	565.8	500.5
150°	1050.1	841.1	722.4	670.3	634.9	599.6	536.9
Run VMG	1212.5	969.1	822.5	724.4	673.8	639.5	574.3

Selected Courses							
Windward / Leeward	1276.5	1049.4	915.4	834.1	800.8	783.3	766.7
Circular Random	1097.6	893.3	785.1	723.1	685.6	661.8	634.0
Coastal / Long Distance	1270.1	987.6	833.9	745.4	700.0	662.2	597.6
Non Spinnaker	1150.1	930.5	813.4	746.0	705.4	680.1	652.6

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	42.3°	41.8°	40.8°	39.0°	38.8°	39.0°	41.4°
Beat VMG	2.69	3.19	3.57	3.81	3.88	3.88	3.75
52°	4.10	4.81	5.16	5.35	5.45	5.48	5.44
60°	4.34	5.00	5.29	5.47	5.62	5.68	5.67
75°	4.51	5.12	5.40	5.62	5.84	6.03	6.15
90°	4.46	5.16	5.51	5.79	5.96	6.18	6.57
110°	4.45	5.20	5.57	5.93	6.30	6.62	7.00
120°	4.32	5.12	5.50	5.86	6.24	6.63	7.36
135°	3.95	4.81	5.31	5.63	5.99	6.36	7.19
150°	3.43	4.28	4.98	5.37	5.67	6.00	6.71
Run VMG	2.97	3.71	4.38	4.97	5.34	5.63	6.27
Gybe Angles	149.3°	152.9°	158.0°	180.0°	180.0°	180.0°	180.0°