

GPH = 592.1 **CDL = 8.755**

BOAT

Class **Corsa 915**
Designer **Polli**
Builder **Life Yacht**
Age Date **07/2021**
Series Date **06/2020**
Offset File **CORSA915+.off**

HULL

Length Overall **9.149 m**
Maximum Beam **2.980 m**
Draft **2.002 m**
Displacement **2,122 kg**
DLR **3.8267**
IMS Division **Performance**
Dynamic Allowance **0.000%**
Age Allowance **0.033%**

PROPELLER

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

CREW

Maximum weight **580 kg**
Minimum weight **435 kg * when applied**
Non Manual Power **No**
Crew Arm Extension

SAIL AREAS (m²)

	Measured	Rated
Mainsail	29.72	30.28
Headsail Luffed	25.43	25.43
Headsail Flying		
Symmetric		
Asymmetric	93.17	93.17

** 1 asymmetric(s) with SHW/SFL < 85%*

SAIL LIMITATIONS

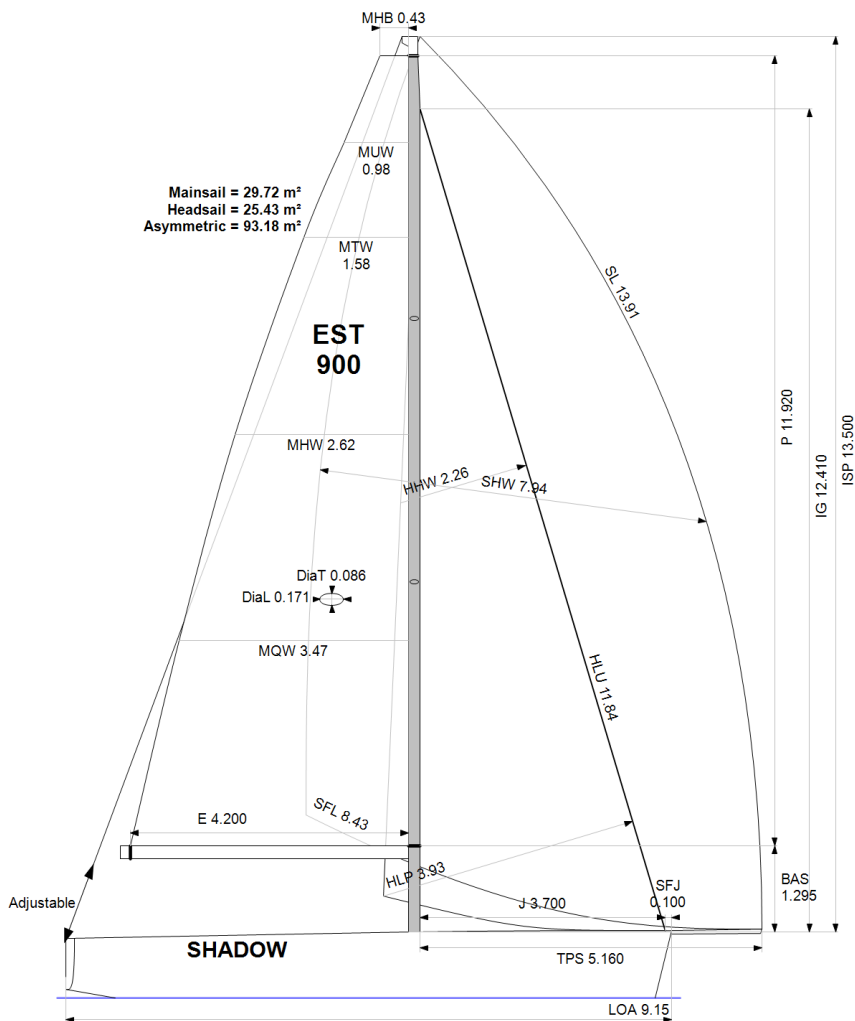
Headsails **5**
Spinnakers **4**

STABILITY

Righting Moment **56.3 kg·m**
Stability Index **115.1**

OWNER

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



Rated boat velocities in knots

Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat Angles	42.8°	41.3°	39.0°	38.3°	37.9°	37.5°	38.3°
Beat VMG	3.68	4.45	4.93	5.08	5.14	5.20	5.20
52°	5.61	6.56	6.98	7.15	7.22	7.26	7.42
60°	5.95	6.76	7.17	7.43	7.56	7.62	7.86
75°	6.21	6.91	7.36	7.84	8.13	8.28	8.46
90°	6.13	7.01	7.41	7.91	8.49	8.95	9.35
110°	6.24	7.14	7.86	8.40	8.86	9.35	10.18
120°	6.09	7.06	7.78	8.60	9.27	9.91	11.07
135°	5.41	6.66	7.33	8.06	8.96	10.02	12.44
150°	4.55	5.72	6.67	7.25	7.83	8.60	10.99
Run VMG	3.94	4.96	5.78	6.28	6.78	7.45	9.52
Gybe Angles	143.0°	145.8°	150.3°	150.3°	147.0°	144.5°	140.5°

Time Allowances in secs/NM							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	979.5	808.6	730.4	708.0	700.4	692.8	691.8
52°	641.6	548.5	515.8	503.8	498.3	495.6	485.0
60°	605.5	532.6	502.2	484.7	476.5	472.4	458.3
75°	579.9	521.2	489.0	459.0	442.6	434.6	425.6
90°	587.0	513.2	485.6	454.9	424.0	402.2	384.9
110°	576.6	504.0	458.0	428.5	406.3	385.2	353.7
120°	591.0	509.9	462.6	418.6	388.3	363.3	325.3
135°	666.0	540.6	491.0	446.4	401.8	359.2	289.3
150°	791.4	628.9	539.6	496.8	460.0	418.5	327.5
Run VMG	913.8	726.2	623.3	573.6	531.1	483.2	378.2
Selected Courses							
Windward / Leeward	946.7	767.4	676.8	640.8	615.8	588.0	535.0
All purpose	726.5	606.8	548.8	517.8	494.9	473.7	438.0

Single Number Scoring Options		
Course	Time On Distance	Time On Time
Windward / Leeward	660.4	0.9086
All purpose	530.4	1.1313

Custom scoring options for Estonia

Single Number	Time On Distance	Time On Time
Coastal/Long Distance	577.0	1.0398
Triple Number Coastal/Long Distance Low	666.7	0.9000
Triple Number Coastal/Long Distance Medium	529.8	1.1325
Triple Number Coastal/Long Distance High	465.6	1.2887
Triple Number Windward/Leeward Low	857.0	0.7001
Triple Number Windward/Leeward Medium	657.1	0.9131
Triple Number Windward/Leeward High	575.1	1.0433

Performance Curve	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Coastal/Long Distance	943.4	723.1	613.9	554.0	514.8	477.1	412.6



Data in meters/kilograms (Metric)

HULL AND APPENDAGES

Class	Corsa 915	LOA	9.149	VCGD	-0.160
Measurement	01/07/2021	Max. Beam	2.980	VCGM	-0.172
Measurer		Draft	2.002	RM Measured (kg·m)	56.3
HIN		Displacement	2,122	RM Default (kg·m)	58.0
Plan review		Wetted area	17.09	Limit of positive stability(°)	121.6
Hull construction	Cored	IMS L	8.637	Stability Index	115.1
Carbon Rudder	No	LSM0	8.216		
Light stanchions	No	Acc. length	9.149		
Trim tab	No	Sink (kg/mm)	12.53		

PROPELLER

Propeller Type **No Propeller**
PIPA **0.0000**

RIG

Forestay tension	Aft	P	11.920	E	4.200
Inner stay	None Fitted	IG	12.410	J	3.700
Carbon mast	Yes	ISP	13.500	BAS	1.295
Headsail furler	No	MDT1	0.086	FSD	0.028
Mainsail furler	No	MDL1	0.171	SFJ	0.100
Articulated bowsprit	No	MDT2	0.057	SPL	
Non-circular rigging	No	MDL2	0.140	TPS	5.160
Fiber rigging	No	TL	0.791	BD	0.191
Runners/Checkstays	0	MW	0.171	MWT	80.00
Spreaders	2	GO	0.192	MCG	4.310

FLOTATION AND STABILITY

Inclining Test	Poles Inclining	SFFP	0.142	SAFP	9.143	W1	42.0	PD1	629.3	WD	10.710
Flotation Date	28/07/2021	FFM	1.011	FAM	0.767	W2	42.0	PD2	630.5	PLM	9000.00
Measurer		FF	1.016	FA	0.771	W3	42.0	PD3	628.5	GSA	1.0
Comment		LCFcl	5.082	LCFsh	5.298	W4	42.0	PD4	628.3	RSA	1.0
		SG	1.0000	HBI	0.999						

MEASUREMENT INVENTORY

Id	Item Description	Weight	LCG	VCG
1	Battery 2x65 Ah		5.05	
1	Miscellaneous Yamaha 9,9hp	46.0	6.00	



International
Certificate
2021

Boat
SHADOW
EST900

Offshore
Racing
Congress

Certificate number: 237/21



MAINSAIL

Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Maker	Material	Comment
A	0.43	0.98	1.58	2.62	3.47	29.72		21/06/2020	Onesail	Unknown	

HEADSAIL

Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Btn	Flying	FT	Area	Measurer	Meas.Date	Maker	Material	Comment
3a	0.16	0.74	1.33	2.26	3.04	3.93	11.84	Yes	No		25.43		29/07/2021	One Sails	Unknown	J-1
2a	0.16	0.75	1.35	2.22	3.00	3.92	11.84	Yes	No		25.25		29/07/2021	One Sails	Unknown	J-2
1a	0.13	0.55	1.03	2.00	2.96	3.89	10.92	Yes	No		21.74		29/07/2021	One Sails	Unknown	J-3

ASYMMETRIC SPINNAKER

Id	SLU	SLE	SL	SHW	SFL	Ratio	Area	Measurer	Meas.Date	Maker	Material	Comment
2	15.41	12.41	13.91	7.94	8.43	94%	93.17		21/06/2021	Onesail	Unknown	
4	15.34	12.35	13.85	7.99	8.36	96%	93.04		29/06/2021	Onesail	Unknown	
1	15.07	13.10	14.09	7.75	8.55	91%	92.84		21/06/2021	Onesail	Unknown	
3	13.84	11.05	12.45	6.38	7.63	84%	68.76		21/06/2021	Onesail	Unknown	