

BOAT Name Jackpot Sail Nr ROU-272	GPH 661.5	HULL Length Overall 8.032m Maximum Beam 2.488m Displacement 1,438kg Draft 1.501m IMS Reg. Division Sportboat Dynamic Allowance 0.150% Fwd Accommodation No Hull Construction Cored Carbon Rudder No Crew Arm Extension 0.00
GENERAL Class J-80 OD Designer JOHNSTONE Builder J-COMPOSITE Series 01/1995 Age 01/2010 Age Allowance 0.487% Offset File j80.OD - 11/04/2019 22:12:01 Measurement by - 02/09/2002		IMSL 7.237m VCGD -0.150m Sink 8.99kg/mm RL 7.210m VCGM -0.076m WS 11.89m² LSM0 6.967m Displacement/Length ratio 4.2523



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SCORING OPTIONS						
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time on Distance	644.9			726.7		
Time on Time	0.9303			0.9288		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	741.1	592.1	526.8	951.6	726.7	640.3
Time on Time	0.9108	1.1400	1.2814	0.7093	0.9288	1.0542

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1117.4	921.4	817.5	786.4	775.9	768.9	763.8
52°	730.0	619.6	577.9	563.3	557.1	554.3	545.3
60°	689.5	598.1	564.3	546.7	538.2	533.7	522.0
75°	661.6	583.3	551.9	526.3	507.3	497.6	490.2
90°	645.6	568.9	547.2	520.7	492.6	470.4	447.7
110°	631.3	555.4	514.7	488.5	472.0	452.9	419.3
120°	647.0	560.5	514.8	473.9	446.9	425.8	389.0
135°	722.9	592.1	539.6	495.0	452.1	408.6	332.6
150°	851.3	679.7	588.8	546.2	514.0	473.1	371.9
Run VMG	983.0	784.9	679.9	630.0	584.0	546.3	429.5

Certificate
Number **017/19**
ORC Ref **ROU10025302**
Issued On **27/05/2019**
VPP Ver. **2019 1.01**
Valid until **31/12/2019**

Crew Weight
Default **411kg**
Maximum **350kg**
Minimum* **263kg**
**when applied by the NoR and SI*
Non Manual Pwr **No**

Special Scoring

	ToD	ToT
Double H.GPH	675.7	0.8880
Double H.OSN	661.1	0.9076
Non Spin GPH	707.5	0.8481
Non Spin OSN	686.0	0.8747

Selected Courses							
Windward / Leeward	1050.2	853.2	748.7	708.2	680.0	657.6	596.6
Circular Random	895.7	730.1	643.1	592.9	560.5	536.3	496.5
Coastal / Long Distance	1043.5	802.9	680.9	617.5	578.1	541.8	473.8
Non Spinnaker	982.5	789.6	685.9	625.3	587.5	561.7	525.7

Sails Limitations

Headsails	Spinnakers
5	3

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	42.5°	41.2°	38.9°	37.8°	37.5°	37.2°	38.1°
Beat VMG	3.22	3.91	4.40	4.58	4.64	4.68	4.71
52°	4.93	5.81	6.23	6.39	6.46	6.49	6.60
60°	5.22	6.02	6.38	6.59	6.69	6.75	6.90
75°	5.44	6.17	6.52	6.84	7.10	7.24	7.34
90°	5.58	6.33	6.58	6.91	7.31	7.65	8.04
110°	5.70	6.48	6.99	7.37	7.63	7.95	8.59
120°	5.56	6.42	6.99	7.60	8.06	8.45	9.25
135°	4.98	6.08	6.67	7.27	7.96	8.81	10.82
150°	4.23	5.30	6.11	6.59	7.00	7.61	9.68
Run VMG	3.66	4.59	5.29	5.71	6.16	6.59	8.38
Gybe Angles	144.7°	147.8°	149.9°	150.7°	176.3°	144.2°	140.7°

Class Division Length
CDL = **7.224**

Storm Sails Areas

Heavy Weather Jib	12.35
Storm Jib (JL=6.22)	4.58
Storm Trysail	6.10

Owner

BOAT	
Name Jackpot	Sail Nr ROU-272
File ROU272	Data in meters/kilograms

INCLINING TEST AND FREEBOARDS	
Inclining Test Enter VCG directly	
Flotation date 31/03/2016	SG 1.0250
VCGDe -0.150	
FFM 0.877	FF 0.877 SFFP 0.177
FAM 0.627	FA 0.627 SAFP 8.015
LCF from stem on CL / on sheer 4.276 / 4.432	
Maximum beam station from stem 4.712	
RM Measured 27.0kg-m	
RM Default 27.7kg-m	
Limit of positive stability / Stab.Index 111.7° / 104.9	
Freeboard at mast at 2.895 0.744	

RIG	
Forestay Tension Aft	Spreaders 2
Inner Stay None Fitted	Runners 0
Carbon Mast No	Jumper Struts None
Taper Hollows No	Jib Furler Yes
Fiber Rigging No	Main Furler No
Lenticular Rigging No	Without Backstay No
Articulated Bowsprit No	
P 9.144	E 3.810 MDT1 0.082 MW 0.133
IG 9.563	J 2.895 MDL1 0.133 GO 0.133
ISP 10.073	SFJ 0.000 MDT2 0.063 BD 0.094
BAS 1.300	SPL 0.104 MWT 33.10
FSP 0.054	TPS 4.800 TL 0.380 MCG 3.210



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MIZZEN RIG AND SAILS	
N/A	

PROPELLER	
Type No Propeller	

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COMMENTS	

MOVABLE BALLAST	
N/A	

CENTERBOARD	
N/A	



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SAILS (Maximum Areas)									
Mainsail	MHB	MUW	MTW	MHW	MQW	Area	Area (r)	Formula	
	0.160	0.79	1.45	2.48	3.24	20.91	21.53	P/8 · (E + 2·MQW+ 2·MHW + 1.5·MTW + MUW + 0.5·MHB)	
Symmetric Not Available									
Asymmetric on centerline	SLU	SLE	SL	SHW	SFL	Area		Formula	
	12.20	9.90	11.05	6.98	7.37	64.99		AS · (SFL + 4·SHW) / 6	

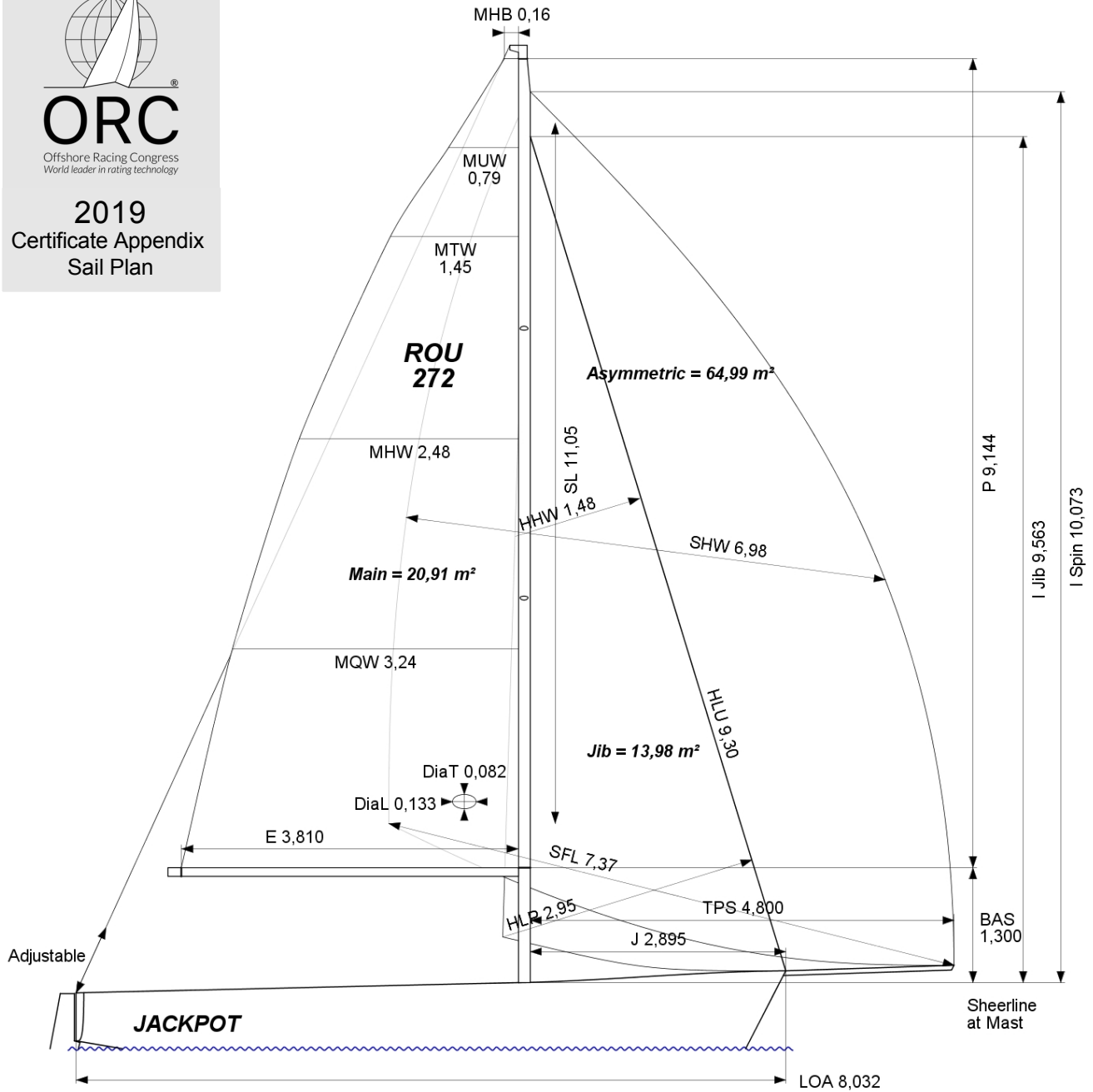
HEADSAILS												
Area = 0.1125·HLU · (1.445·HLP + 2·HQW + 2·HHW + 1.5·HTW + HUW + 0.5·HHB)												
HHB	HUW	HTW	HHW	HQW	HLP	HLU	Area	Btn	Fly	Meas.Date	Material	Comment
0.08			1.48		2.95	9.30	13.98					* Copied from legacy *



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Sail Plan



SAILS INVENTORY																
MAINSAIL (1)																
Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
ORC	0.16	0.79	1.45	2.48	3.24	20.92					* Copied from legacy					
HEADSAILS (1)																
Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Fly	Measurer	Meas.Date	Manufacture	Material	Comment
ORC	0.08			1.48		2.95	9.30	102%	13.98							* Copied from legacy *
SYMMETRIC SPINNAKERS (0)																
Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
ASYMMETRIC SPINNAKERS (1)																
Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment				
ORC	12.20	9.90	11.05	6.98	7.37	65.00	asym	OD			Polyester					