

BOAT Name WB SEVEN Sail Nr ITA-4486	GPH 546.6	HULL Length Overall 13.305m Maximum Beam 4.054m Displacement 9,095kg Draft 2.676m IMS Reg. Division Cruiser/Racer Dynamic Allowance 0.076% Fwd Accommodation Yes Hull Construction Light Carbon Rudder No Crew Arm Extension
GENERAL Class Xp 44 SPORT Designer JEPPESEN Builder X-YACHTS Series 06/2010 Age 04/2015 Age Allowance 0.292% Offset File XP44.OFF - 16/07/2018 17:05:58 Measurement by - 17/04/2019		IMSL 12.256m VCGD -0.212m Sink 27.07kg/mm RL 11.097m VCGM -0.178m WS 36.90m² LSM0 12.025m Displacement/Length ratio 5.2306



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SCORING OPTIONS						
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time on Distance	531.9			598.9		
Time on Time	1.1281			1.1270		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	622.9	484.4	435.9	806.8	598.6	530.3
Time on Time	1.0836	1.3935	1.5486	0.8366	1.1276	1.2729

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	923.7	757.5	668.9	633.9	619.4	612.9	596.8
52°	604.7	505.5	459.7	443.7	437.7	434.7	427.5
60°	571.0	483.6	447.1	432.1	425.5	422.0	416.1
75°	545.1	468.9	438.4	421.3	409.1	401.5	394.7
90°	551.1	463.2	438.9	420.6	404.3	389.1	368.6
110°	543.0	455.1	422.7	405.3	392.9	381.4	358.2
120°	556.5	461.4	426.0	400.9	378.7	364.2	340.4
135°	625.6	499.4	444.2	417.4	392.3	366.7	314.7
150°	744.7	594.2	500.1	448.6	426.6	408.0	364.6
Run VMG	859.9	686.2	577.5	517.8	490.9	462.1	416.1

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Number **44861**
ORC Ref **ITA00051879**
Issued On **18/04/2019**
VPP Ver. **2019 1.01**
Valid until **31/12/2019**

Crew Weight

Default **895kg**
Maximum **945kg**
Minimum* **709kg**
**when applied by the NoR and SI*
Non Manual Pwr **No**

Special Scoring

	ToD	ToT
Double H.GPH	555.6	1.0800
Double H.OSN	542.1	1.1068
Non Spin GPH	586.1	1.0237
Non Spin OSN	570.8	1.0511

Selected Courses							
Windward / Leeward	891.8	721.8	623.2	575.8	555.2	537.5	506.5
Circular Random	749.8	606.1	530.2	487.1	461.0	443.3	417.6
Coastal / Long Distance	888.6	677.6	563.2	502.1	471.5	445.6	400.6
Non Spinnaker	822.2	657.4	567.7	514.8	481.7	459.6	430.6

Sails Limitations

Headsails	Spinnakers
7	5

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	42.9°	41.3°	40.3°	38.9°	38.2°	38.5°	38.1°
Beat VMG	3.90	4.75	5.38	5.68	5.81	5.87	6.03
52°	5.95	7.12	7.83	8.11	8.23	8.28	8.42
60°	6.30	7.44	8.05	8.33	8.46	8.53	8.65
75°	6.60	7.68	8.21	8.54	8.80	8.97	9.12
90°	6.53	7.77	8.20	8.56	8.90	9.25	9.77
110°	6.63	7.91	8.52	8.88	9.16	9.44	10.05
120°	6.47	7.80	8.45	8.98	9.51	9.88	10.58
135°	5.75	7.21	8.10	8.63	9.18	9.82	11.44
150°	4.83	6.06	7.20	8.02	8.44	8.82	9.87
Run VMG	4.19	5.25	6.23	6.95	7.33	7.79	8.65
Gybe Angles	142.9°	145.5°	147.3°	151.0°	151.9°	175.2°	177.3°

Class Division Length

CDL = 11.677

Storm Sails Areas

Heavy Weather Jib **44.94**
Storm Jib (JL=11.86) **16.65**
Storm Trysail **18.60**

Owner

BOAT	
Name WB SEVEN	Sail Nr ITA-4486
File I4486	Data in meters/kilograms

RIG	
Forestay Tension Aft	Spreaders 2
Inner Stay None Fitted	Runners 0
Carbon Mast Yes	Jumper Struts None
Taper Hollows No	Jib Furler No
Fiber Rigging No	Main Furler No
Lenticular Rigging No	Without Backstay No
Articulated Bowsprit No	
P 17.920	E 5.930 MDT1 0.133 MW 0.272
IG 18.170	J 4.930 MDL1 0.272 GO 0.292
ISP 19.860	SFJ 0.350 MDT2 0.118 BD 0.300
BAS 1.750	SPL 0.000 MDL2 0.205 MWT 293.00
FSP 0.084	TPS 5.840 TL 1.120 MCG 6.630

INCLINING TEST AND FREEBOARDS		
Inclining Test Current Inclining		
Flotation date 09/04/2019	SG 1.0100	
FFM 1.506	FF 1.516	SFFP 0.744
FAM 1.224	FA 1.228	SAFP 13.259
W1 110.0	PD1 429.4	WD 12.980
W2 110.0	PD2 429.9	GSA 1.0
W3 110.0	PD3 432.0	RSA 1.0
W4 110.0	PD4 431.2	PLM 9000.0
LCF from stem on CL / on sheer	7.399 / 7.657	
Maximum beam station from stem	9.119	
RM Measured	261.1kg-m	
RM Default	259.8kg-m	
Limit of positive stability / Stab.Index	129.9° / 134.2	
Freeboard at mast at 5.280	1.354	



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MIZZEN RIG AND SAILS	
N/A	

PROPELLER		
Installation Strut	PRD 0.457	
Type Folding 3 blades	PBW 0.120	
Twin Screw No	PIPA 0.0041	
ST1 0.060	ST3 0.180	ST5 0.270
ST2 0.180	ST4 0.112	EDL 2.750

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COMMENTS	
FFM= TOGLIERE 48 m/m DALLA SHEERLINE FAM= TOGLIERE 21 m/m DALLA SHEERLINE	

MOVABLE BALLAST	
N/A	



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CENTERBOARD	
N/A	

SAILS (Maximum Areas)									
Mainsail	MHB	MUW	MTW	MHW	MQW	Area	Area (r)	Formula	
	0.150	1.26	2.25	3.83	4.98	63.30	64.47	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			AS · (SFL + 4·SHW) / 6	
	21.00	19.25	20.13	11.20	11.70	189.51			

HEADSAILS												
Area = 0.1125·HLU · (1.445·HLP + 2·HQW + 2·HHW + 1.5·HTW + HUW + 0.5·HHB)												
HBB	HUW	HTW	HHW	HQW	HLP	HLU	Area	Btn	Fly	Meas.Date	Material	Comment
0.13	0.84	1.53	2.78	4.02	5.17	17.90	48.87	Y	N	17/04/2019	Carbon	J1

MEASUREMENT INVENTORY				
Measurer 120				
Date 09/04/2019				
Comment				
<i>Id</i>	<i>Item</i>	<i>Weight</i>	<i>Distance</i>	<i>VCG Description</i>
<i>Id</i>	<i>Item</i>	<i>Maker</i>	<i>Model</i>	
A	Engine	YANMAR	4HJ5E	
<i>Id</i>	<i>Item</i>	<i>Weight Description</i>		

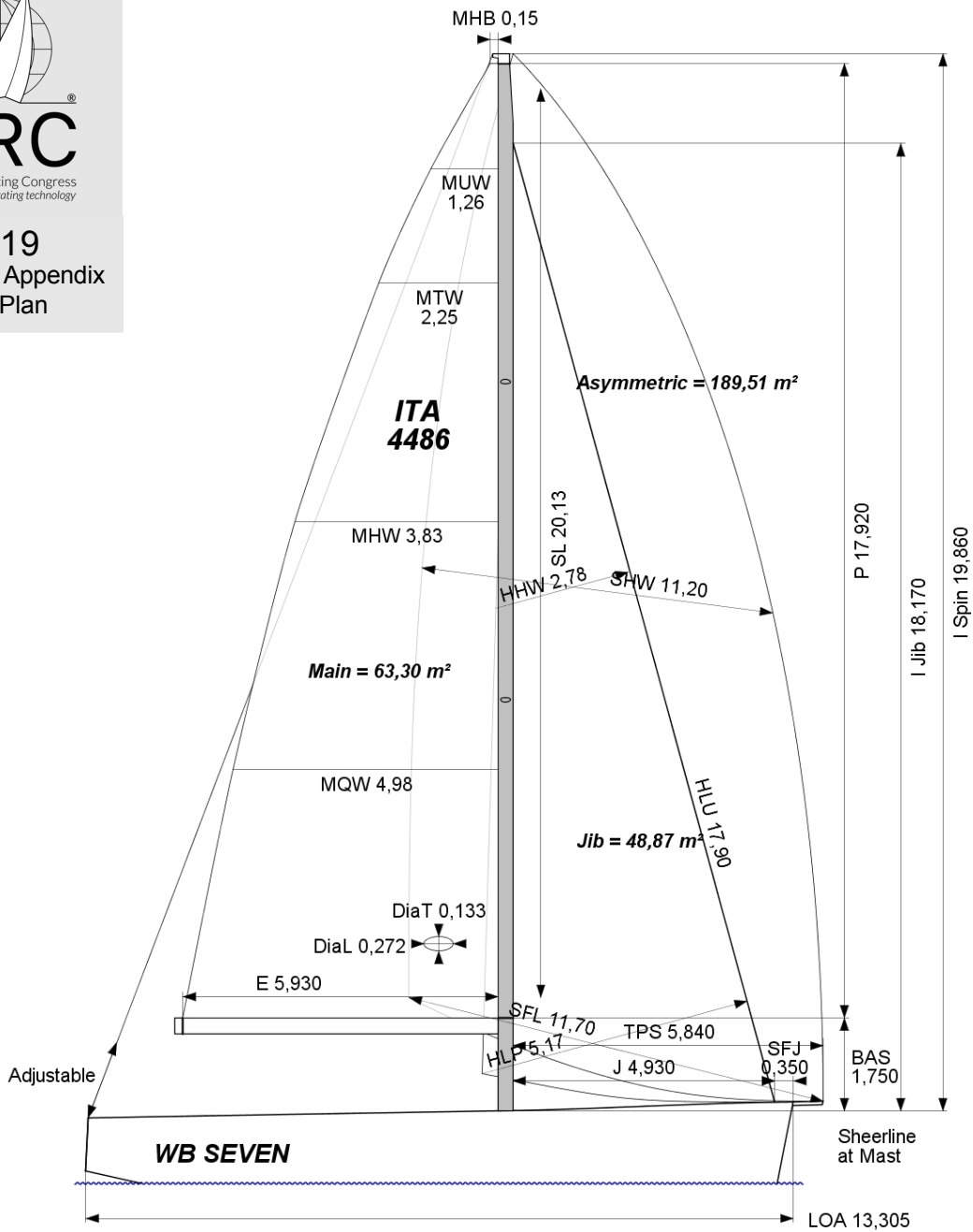
MEASUREMENT INVENTORY							
<i>Id</i>	<i>Item</i>	<i>Tank Use</i>	<i>Tank Type</i>	<i>Capcty</i>	<i>Dist.</i>	<i>VCG</i>	<i>Condtn Description</i>
A	Tank	ACQUA	PVC	300.0	6.00	0.00	0-0 EMPTY
B	Tank	GASOLIO	INOX	230.0	6.00	0.00	50-0 L
C	Tank	GREY	PVC	60.0	4.50	0.00	0-0 EMPTY
D	Tank	GREY	SOLID	60.0	8.00	0.00	0-0 EMPTY
<i>Id</i>	<i>Item</i>	<i>Weight</i>	<i>Distance</i>	<i>VCG Description</i>			
A	Battery		2.30	0.00 1 x 120 Ah			
B	Battery		4.40	0.00 2 x 120 Ah			
A	Misc		9.50	WATER HEATER 30L			
B	Misc		1.00	ANCHOR WINDLASS 900W			
C	Misc		13.30	INOX STERN LADDER			



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Sail Plan**



SAILS INVENTORY

MAINSAIL (1)																
Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
A	0.15	1.26	2.25	3.83	4.98	63.31		27/06/2016		Unknown						
HEADSAILS (1)																
Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Fly	Measurer	Meas.Date	Manufacture	Material	Comment
A	0.13	0.84	1.53	2.78	4.02	5.17	17.90	105%	48.87	Y	N		17/04/2019		Carbon	J1
SYMMETRIC SPINNAKERS (0)																
Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
ASYMMETRIC SPINNAKERS (3)																
Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment				
B	21.00	19.25	20.13	11.20	11.70	189.52	asym		09/04/2019	NORTH	Nylon	A1				
A	21.75	17.10	19.43	10.04	11.70	167.90	asym		09/04/2019		Nylon	A0				
C	21.20	18.10	19.65	8.77	11.05	151.08	asym		09/04/2019	MURPHY&N	Nylon	A3				