

BOAT Name TYPHOON Sail Nr CYP-25	GPH 594.0	HULL Length Overall 11.960m Maximum Beam 3.258m Displacement 5,659kg Draft 2.044m IMS Reg. Division Cruiser/Racer Dynamic Allowance 0.000% Fwd Accommodation Yes Hull Construction Cored Carbon Rudder No Crew Arm Extension
GENERAL Class X-119 Designer N.JEPESEN Builder X-YACHTS Series 01/1990 Age 09/1992 Age Allowance 0.487% Offset File GR0041.BOF - 11/02/1994 13:41:38 Measurement by TSALTAS/APOSTOLID - 03/09/1992		IMSL 10.409m VCGD 0.160m Sink 19.37kg/mm RL 9.484m VCGM 0.092m WS 26.91m² LSM0 10.325m Displacement/Length ratio 5.1413



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SCORING OPTIONS						
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time on Distance	578.7			647.0		
Time on Time	1.0367			1.0433		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	674.5	527.5	473.3	874.4	650.2	567.1
Time on Time	1.0007	1.2795	1.4263	0.7720	1.0381	1.1902

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	951.6	786.0	714.6	685.7	671.3	667.9	655.3
52°	625.9	527.2	493.6	483.0	477.8	474.7	469.1
60°	593.5	508.4	480.6	470.6	465.3	462.2	457.0
75°	571.0	497.1	470.6	455.7	447.1	441.6	436.4
90°	579.0	499.6	469.6	450.6	434.5	421.4	408.7
110°	613.7	506.6	466.7	442.4	423.0	409.7	387.9
120°	634.1	519.5	473.1	446.1	420.2	395.9	367.4
135°	709.2	571.0	497.8	465.3	440.4	414.3	362.1
150°	850.2	674.0	564.0	497.8	466.9	443.5	395.6
Run VMG	981.8	778.2	651.2	568.6	515.7	478.4	431.8

Certificate
Number **05/18**
ORC Ref **CYP00000799**
Issued On **08/09/2018**
VPP Ver. **2018 1.00**
Valid until **31/12/2018**

Crew Weight
Default 721kg
Maximum **750kg**
Minimum* **563kg**
**when applied by the NoR and SI*
Non Manual Pwr **No**

Special Scoring
ToD ToT
Non Spin GPH **616.7 0.9729**
Non Spin OSN **600.9 0.9985**

Selected Courses							
Windward / Leeward	966.7	782.1	682.9	627.1	593.5	573.1	543.6
Circular Random	813.4	658.4	576.5	529.6	501.0	481.8	455.8
Coastal / Long Distance	968.2	735.8	616.2	548.2	511.6	482.8	436.1
Non Spinnaker	854.0	687.2	597.8	546.1	514.3	493.0	464.2

Sails Limitations
Headsails **6** Spinnakers **4**

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	42.6°	41.3°	40.1°	38.8°	38.1°	38.5°	38.1°
Beat VMG	3.78	4.58	5.04	5.25	5.36	5.39	5.49
52°	5.75	6.83	7.29	7.45	7.54	7.58	7.67
60°	6.07	7.08	7.49	7.65	7.74	7.79	7.88
75°	6.30	7.24	7.65	7.90	8.05	8.15	8.25
90°	6.22	7.21	7.67	7.99	8.29	8.54	8.81
110°	5.87	7.11	7.71	8.14	8.51	8.79	9.28
120°	5.68	6.93	7.61	8.07	8.57	9.09	9.80
135°	5.08	6.31	7.23	7.74	8.17	8.69	9.94
150°	4.23	5.34	6.38	7.23	7.71	8.12	9.10
Run VMG	3.67	4.63	5.53	6.33	6.98	7.53	8.34
Gybe Angles	139.6°	148.2°	148.9°	155.9°	172.0°	180.0°	180.0°

Class Division Length
CDL = **9.947**

Storm Sails Areas
Heavy Weather Jib **25.96**
Storm Jib (JL=9.01) **9.62**
Storm Trysail **13.80**

Owner

BOAT	
Name TYPHOON	Sail Nr CYP-25
File MIMA	Data in meters/kilograms

INCLINING TEST AND FREEBOARDS			
Inclining Test Current Inclining			
Flotation date 02/06/1995		SG 1.0300	
FFM 1.047	FF 1.054	SFFP 0.670	
FAM 0.902	FA 0.897	SAFP 11.050	
W1 10.0	PD1 29.0	WD 11.468	
W2 20.0	PD2 58.0	GSA 28.3	
W3 30.0	PD3 87.0	RSA 5674.5	
W4 40.0	PD4 116.0	PLM 1650.0	
LCF from stem on CL / on sheer		6.701 / 6.865	
Maximum beam station from stem		7.885	
RM Measured		113.6kg-m	
RM Default		139.4kg-m	
Limit of positive stability / Stab.Index		109.0° / 113.2	
Freeboard at mast at 4.325		1.012	

RIG			
Forestay Tension Forward	Spreaders 2		
Inner Stay None Fitted	Runners 2		
Carbon Mast No	Jumper Struts Yes		
Taper Hollows No	Jib Furler No		
Fiber Rigging No	Main Furler No		
Lenticular Rigging No	Without Backstay No		
Articulated Bowsprit No			
P 15.030	E 5.245	MDT1 0.115	MW 0.168
IG 13.807	J 4.325	MDL1 0.168	GO 0.187
ISP 13.859	SFJ 0.000	MDT2 0.093	BD 0.200
BAS 1.912	SPL 4.310	MDL2 0.118	MWT
FSP 0.065	TPS	TL 1.800	MCG



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IMS Measurement Certificate

Certificate	
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MIZZEN RIG AND SAILS	
N/A	

PROPELLER			
Installation Strut	PRD 0.400		
Type Folding 2 blades	PBW 0.110		
Twin Screw No	PIPA 0.0032		
ST1 0.047	ST3 0.170	ST5 0.315	
ST2 0.170	ST4 0.097	EDL 1.380	

COMMENTS	
EX "BRAVO BOUBI" EX "MIMA"	

MOVABLE BALLAST	
N/A	



Invalid for Racing

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CENTERBOARD	
N/A	

SAILS (Maximum Areas)									
Mainsail	MHB	MUW	MTW	MHW	MQW	Area	Area (r)	Formula	
	0.150	1.04	1.88	3.20	4.26	45.28	46.01	P/8 · (E + 2·MQW + 2·MHW + 1.5·MTW + MUW + 0.5·MHB)	
Symmetric	SLU	SLE	SL	SHW	SFL	92.29		SL · (SFL + 4·SHW) / 6	
	14.35	14.35	14.35	7.73	7.67				
Asymmetric Not Available									

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
0.06	0.79	1.52	3.06		6.25	14.10	43.86			08/03/2018	Unknow	
0.08	0.73	1.39	2.77	4.22	5.71	14.00	39.51			17/08/2018	Unknow	
0.10	0.68	1.19	2.08	2.94	3.88	14.05	28.70	Y		18/01/2017	Unknow	

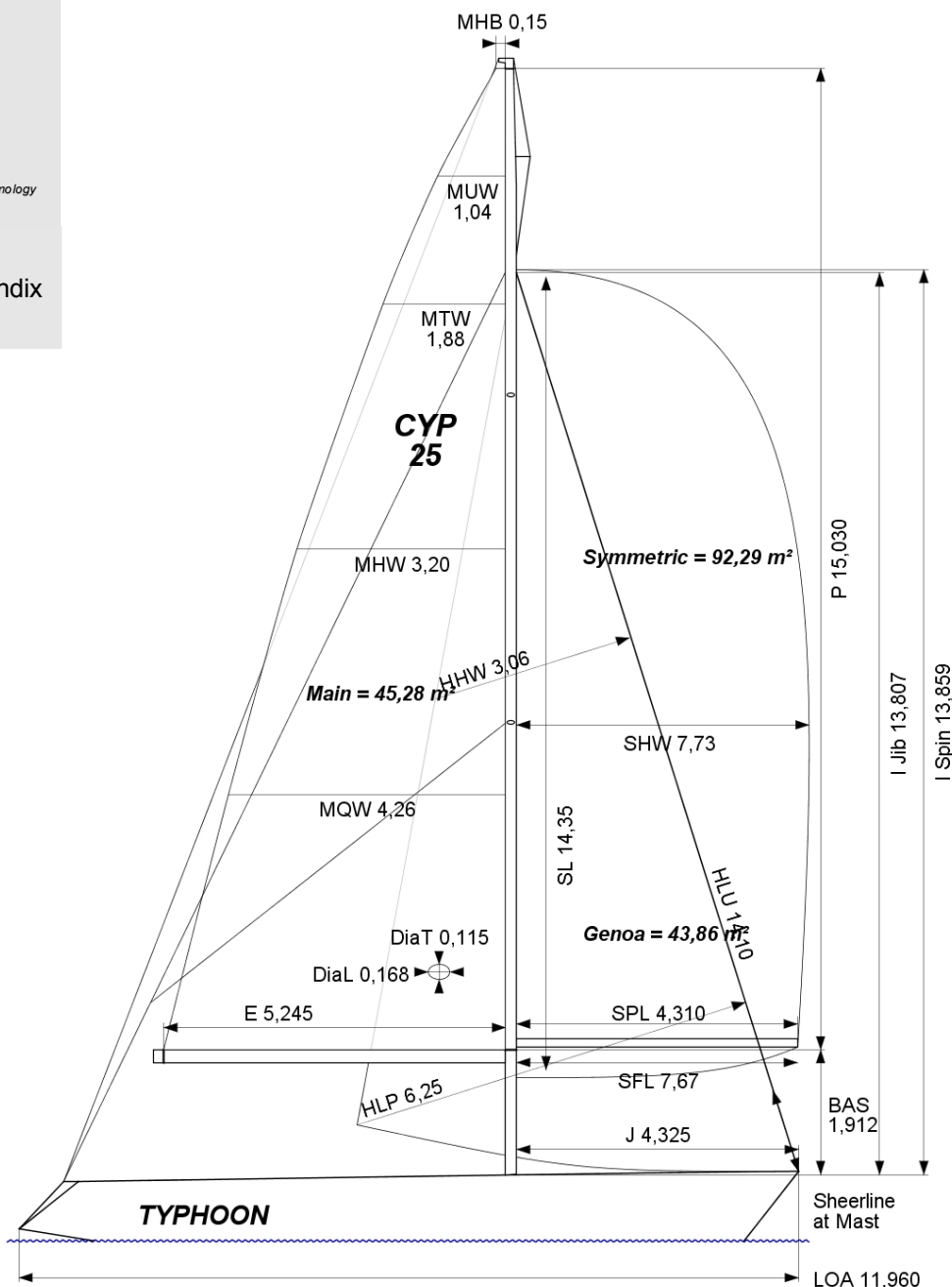
MEASUREMENT INVENTORY				
Measurer				
Date				
Comment				
Id	Item	Weight	Distance	VCG Description
QR	Anchor	22.6	0.97	*Legacy Anchor*
Id	Item	Weight Description		

MEASUREMENT INVENTORY				
Id	Item	Weight	Distance	VCG Description



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Sail Plan



SAILS INVENTORY

MAINSAIL (1)

Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment
ORC3	0.150	1.04	1.88	3.20	4.26	45.28	AVIRAM ISR	08/03/2018	NORTH	Unknown	

HEADSAILS (3)

Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Fly	Measurer	Meas.Date	Manufacture	Material	Comment
ORC4	0.06	0.79	1.52	3.06		6.25	14.10	145%	43.86			AVIRAM	08/03/2018	NORTH	Unknown	
ORC5	0.08	0.73	1.39	2.77	4.22	5.71	14.00	132%	39.51			NS-ISR	17/08/2018	NORTH	Unknown	
ORC3	0.10	0.68	1.19	2.08	2.94	3.88	14.05	90%	28.70	Y		AVIRAM	18/01/2017	NORTH	Unknown	

SYMMETRIC SPINNAKERS (2)

Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment
ORC3	14.35	14.35	14.35	7.73	7.67	92.29	AVIRAM	04/08/2017		Unknown	
ORC2	13.62	13.62	13.62	7.74	7.42	87.12	GEORGAKIS	18/03/2017		Unknown	

ASYMMETRIC SPINNAKERS (0)

Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment
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