

BOAT Name CHOSI VI Sail Nr GER 4187	GPH 618.0	HULL Length Overall 10.790m Maximum Beam 3.639m Displacement 4,497kg Draft 2.106m IMS Reg. Division Cruiser/Racer Dynamic Allowance 0.000% Fwd Accommodation No Hull Construction Cored Carbon Rudder No Crew Arm Extension 0.00
GENERAL Class J-35 Designer JOHNSTONE Builder J-BOATS Series 01/1983 Age 01/1988 Age Allowance 0.487% Offset File US17521.BOF - 07/05/1987 13:00:56 Measurement by - 23/09/1995		IMSL 9.112m VCGD -0.051m Sink 17.27kg/mm RL 8.967m VCGM -0.019m WS 23.21m² LSM0 9.041m Displacement/Length ratio 6.0852



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SCORING OPTIONS						
Time on Distance	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
	601.9			667.3		
Time on Time	0.9969			1.0115		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	694.7	551.3	497.6	890.6	669.4	590.0
Time on Time	0.9716	1.2243	1.3564	0.7579	1.0083	1.1440

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	975.7	814.6	733.7	705.2	692.2	685.6	681.0
52°	647.0	553.9	521.3	509.7	504.0	501.1	499.4
60°	615.2	538.2	511.1	498.0	491.4	487.6	484.9
75°	591.7	528.2	502.6	485.4	472.5	464.9	458.0
90°	598.8	528.9	501.4	481.9	464.0	449.2	431.8
110°	641.2	536.6	498.3	472.6	450.9	438.2	418.4
120°	658.1	545.8	502.6	474.6	448.2	426.3	399.1
135°	723.9	588.6	523.0	492.0	465.0	438.8	390.6
150°	854.1	680.7	577.1	521.2	492.8	467.9	420.5
Run VMG	986.2	786.0	665.5	589.9	537.3	504.2	456.3

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Number **99273**
ORC Ref **GER20040589**
Issued On **15/04/2019**
VPP Ver. **2019 1.01**
Valid until **01/01/2020**

Crew Weight
Default **596kg**
Maximum **560kg**
Minimum* **420kg**
**when applied by the NoR and SI*
Non Manual Pwr **No**

Special Scoring

	ToD	ToT
Double H.GPH	627.0	0.9570
Double H.OSN	612.5	0.9796
Non Spin GPH	642.6	0.9337
Non Spin OSN	625.9	0.9587

Selected Courses							
Windward / Leeward	980.9	800.3	699.6	647.6	614.8	594.9	568.6
Circular Random	838.5	682.5	600.4	553.6	525.2	506.4	481.6
Coastal / Long Distance	981.5	754.9	636.5	572.3	536.6	507.9	463.1
Non Spinnaker	881.5	713.3	623.6	571.9	540.2	519.5	493.1

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	41.8°	40.8°	38.9°	37.3°	36.9°	36.8°	36.3°
Beat VMG	3.69	4.42	4.91	5.11	5.20	5.25	5.29
52°	5.56	6.50	6.91	7.06	7.14	7.18	7.21
60°	5.85	6.69	7.04	7.23	7.33	7.38	7.42
75°	6.08	6.82	7.16	7.42	7.62	7.74	7.86
90°	6.01	6.81	7.18	7.47	7.76	8.01	8.34
110°	5.61	6.71	7.23	7.62	7.98	8.21	8.60
120°	5.47	6.60	7.16	7.59	8.03	8.45	9.02
135°	4.97	6.12	6.88	7.32	7.74	8.20	9.22
150°	4.22	5.29	6.24	6.91	7.30	7.69	8.56
Run VMG	3.65	4.58	5.41	6.10	6.70	7.14	7.89
Gybe Angles	145.6°	149.5°	151.0°	158.5°	180.0°	180.0°	180.0°

Class Division Length
CDL = **9.040**

Storm Sails Areas
Heavy Weather Jib **28.70**
Storm Jib (JL=9.48) **10.63**
Storm Triesail **9.45**

Owner

BOAT	
Name CHOSI VI	Sail Nr GER 4187
File GER4187	Data in meters/kilograms

INCLINING TEST AND FREEBOARDS			
Inclining Test Current Inclining			
Flotation date 02/04/2006		SG 1.0000	
FFM 1.171	FF 1.187	SFFP 0.582	
FAM 0.853	FA 0.859	SAFP 10.519	
W1 15.0	PD1 56.0	WD 12.360	
W2 35.0	PD2 130.5	GSA 50.0	
W3 55.0	PD3 205.0	RSA 11310.	
W4 70.0	PD4 261.0	PLM 2003.0	
LCF from stem on CL / on sheer		6.158 / 6.401	
Maximum beam station from stem		5.950	
RM Measured		115.7kg·m	
RM Default		108.0kg·m	
Limit of positive stability / Stab.Index		112.5° / 108.6	
Freeboard at mast at 4.435		0.986	



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RIG			
Forestay Tension Aft	Spreaders 2		
Inner Stay None Fitted	Runners 1		
Carbon Mast No	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 12.650	E 4.265	MDT1 0.102	MW 0.165
IG 14.376	J 4.435	MDL1 0.188	GO 0.227
ISP 14.296	SFJ 0.000	MDT2 0.102	BD 0.132
BAS 1.552	SPL 4.440	MDL2 0.168	MWT 142.00
FSP 0.064	TPS 0.000	TL 0.730	MCG 4.808

MIZZEN RIG AND SAILS	
N/A	

PROPELLER			
Installation Shaft exposed	PRD 0.408		
Type Folding 2 blades	PBW 0.104		
Twin Screw No	PIPA 0.0026		
PSA 17.000	PHL 0.150	ST3 0.081	ESL 0.780
PSD 0.025	ST1 0.021	ST4 0.038	
PHD 0.045	ST2 0.081	ST5 0.158	

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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	
	0.150	0.90	1.60	2.76	3.55	32.04	32.63	P/8 · (E + 2·MQW+ 2·MHW + 1.5·MTW + MUW + 0.5·MHB)	
Symmetric	SLU	SLE	SL	SHW	SFL				
	14.05	14.05	14.05	7.96	7.99	93.27		SL · (SFL + 4·SHW) / 6	
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
0.08	0.82	1.61	3.24	4.92	6.64	14.57	47.84			24/03/2016	Carbon	3DL

MEASUREMENT INVENTORY				
Measurer				
Date 02/04/2006				
Comment				
Id	Item	Weight	Distance	VCG Description
4	Anchor	5.0	4.70	ANCHOR 1
4	Chain	7.0	4.70	
4	Feels	15.0	5.00	
Id	Item	Maker	Model	
1	Engine	YANMAR	3GM	
Id	Item	Weight	Description	
4	Deck-Gear	27.0		

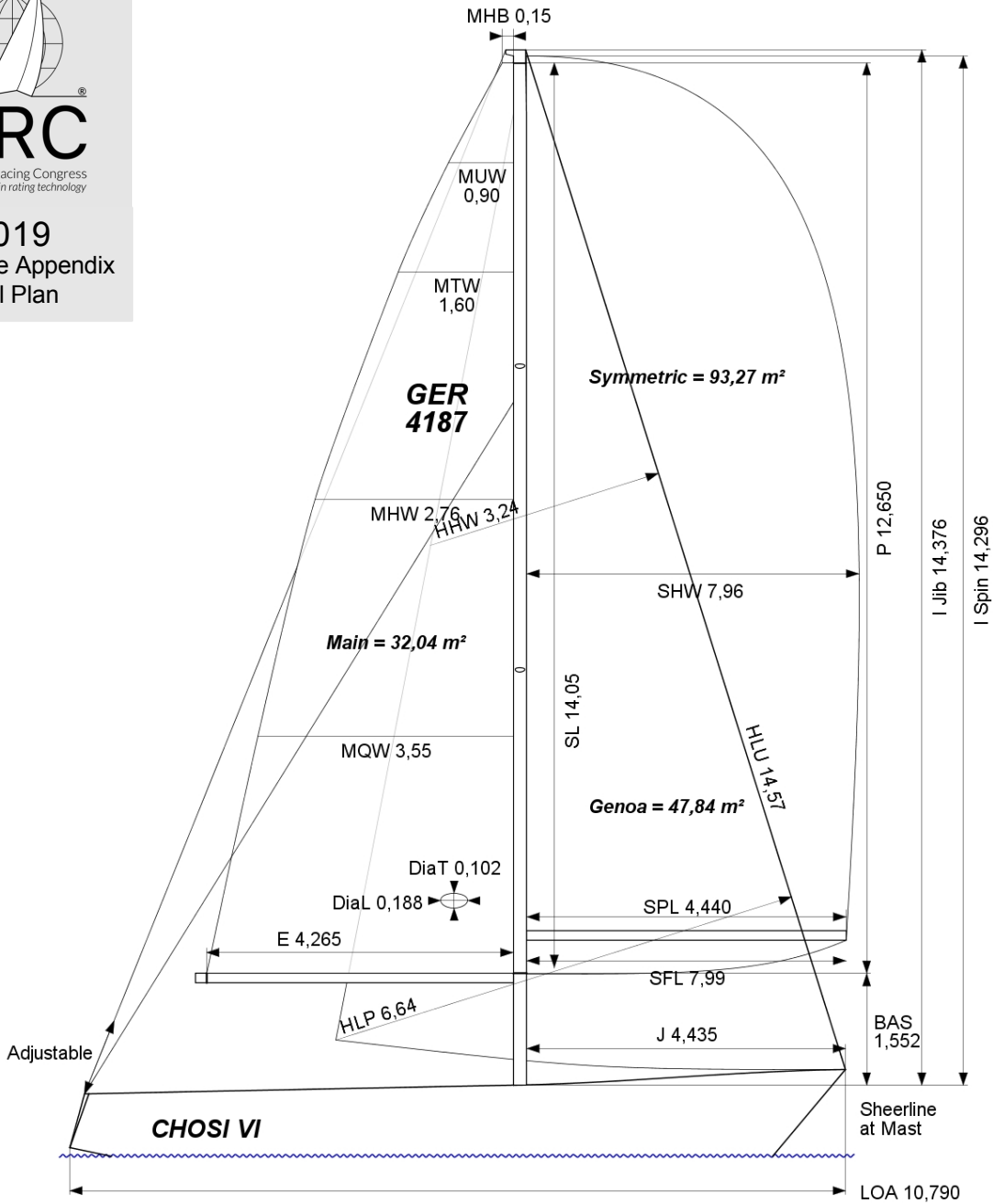
MEASUREMENT INVENTORY								
Id	Item	Tank Use	Tank Type	Capcty	Dist.	VCG	Condtn	Description
1	Tank	WATER	FIX	90.0	5.95			0-0
2	Tank	FUEL	FIX	70.0	6.05			0-0
3	Tank	LPG	BOTTLE	5.0	10.15			5-0
Id	Item	Weight	Distance	VCG Description				
1	Battery		7.70	1x 108AH				
2	Battery		8.00	1x 108AH				



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Sail Plan



SAILS INVENTORY

MAINSAIL (2)																
Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
145023	0.15	0.90	1.60	2.76	3.55	32.04		24/03/2016	NORTH	Carbon	3DL					
1	0.13	0.88	1.62	2.71	3.57	31.95		21/01/2015	NORTH	Spectra						
HEADSAILS (1)																
Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Fly	Measurer	Meas.Date	Manufacture	Material	Comment
156676	0.08	0.82	1.61	3.24	4.92	6.64	14.57	150%	47.84				24/03/2016	NORTH	Carbon	3DL
SYMMETRIC SPINNAKERS (1)																
Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
0	14.05	14.05	14.05	7.96	0.00	93.28					generated_from_old_dataset					
ASYMMETRIC SPINNAKERS (0)																
Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment				