

BOAT	GPH	HULL
Name AFTER MIDNIGHT Sail Nr USA 1201	518.8	Length Overall 12.530m Maximum Beam 3.866m Displacement 5,892kg Draft 2.890m IMS Reg. Division Performance Dynamic Allowance 0.000% Fwd Accommodation No Hull Construction Carbon Carbon Rudder Yes Crew Arm Extension
GENERAL		IMSL 11.198m VCGD -0.791m Sink 22.59kg/mm RL 12.223m VCGM -0.776m WS 29.88m² LSM0 10.832m Displacement/Length ratio 4.6359
Class Tripp 40 ILC Modif Designer TRIPP Builder GOETZ Series 01/1995, CIN 1 Age 01/1995 Age Allowance 0.487% Offset File AM-2018.off - 17/05/2018 12:49:18 Measurement by - 23/01/2018		



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SCORING OPTIONS						
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time on Distance	505.6			566.5		
Time on Time	1.1866			1.1916		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	576.2	466.5	415.0	735.9	570.1	502.1
Time on Time	1.1715	1.4471	1.6264	0.9173	1.1840	1.3443

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	826.1	683.3	626.3	604.0	592.7	580.2	572.9
52°	546.2	472.2	450.9	441.9	436.3	431.7	421.2
60°	517.8	460.5	439.8	428.8	421.7	417.2	403.8
75°	499.3	452.4	427.9	409.0	397.9	390.8	380.9
90°	505.4	455.3	428.8	403.8	383.4	368.8	354.1
110°	509.5	447.6	417.0	397.9	380.6	364.4	330.3
120°	524.8	451.8	416.1	385.7	366.4	349.0	316.0
135°	580.3	476.8	437.3	402.8	368.9	335.3	284.4
150°	689.0	552.8	476.4	439.4	412.8	383.8	319.4
Run VMG	795.6	638.3	551.1	506.8	476.6	443.2	368.8
Selected Courses							
Windward / Leeward	810.9	660.8	588.7	555.4	534.7	511.7	470.8
Circular Random	698.0	571.2	504.8	466.4	441.4	422.6	392.6
Coastal / Long Distance	809.3	624.7	536.1	485.7	455.5	426.5	376.9
Non Spinnaker	760.0	615.3	537.5	491.4	461.7	440.8	411.4

Certificate

Number **US6296**
ORC Ref **USAX019D1BA**
Issued On **17/05/2018**
VPP Ver. **2018 1.00**
Valid until **31/12/2018**

Crew Weight

Default **771kg**
Maximum **771kg**
Minimum* **578kg**
**when applied by the NoR and SI*
Non Manual Pwr **No**

Special Scoring

	ToD	ToT
Non Spin GPH	553.3	1.0844
Non Spin OSN	540.5	1.1102

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	41.9°	40.2°	37.3°	35.8°	35.1°	34.3°	34.2°
Beat VMG	4.36	5.27	5.75	5.96	6.07	6.20	6.28
52°	6.59	7.62	7.98	8.15	8.25	8.34	8.55
60°	6.95	7.82	8.19	8.40	8.54	8.63	8.92
75°	7.21	7.96	8.41	8.80	9.05	9.21	9.45
90°	7.12	7.91	8.40	8.92	9.39	9.76	10.17
110°	7.07	8.04	8.63	9.05	9.46	9.88	10.90
120°	6.86	7.97	8.65	9.33	9.83	10.31	11.39
135°	6.20	7.55	8.23	8.94	9.76	10.74	12.66
150°	5.22	6.51	7.56	8.19	8.72	9.38	11.27
Run VMG	4.52	5.64	6.53	7.10	7.55	8.12	9.76
Gybe Angles	143.2°	145.0°	151.2°	152.7°	149.4°	147.0°	141.7°

Class Division Length

CDL = 11.711

Storm Sails Areas

Heavy Weather Jib **41.01**
Storm Jib (JL=11.33) **15.19**
Storm Trysail **19.34**

Owner

BOAT							
Name	AFTER MIDNIGHT			Sail Nr	USA 1201		
File	US6296			Data in	meters/kilograms		
RIG							
Forestay Tension	Aft				Spreaders	2	
Inner Stay	None Fitted				Runners	0	
Carbon Mast	Yes				Jumper Struts	Yes	
Taper Hollows	No				Jib Furler	No	
Fiber Rigging	No				Main Furler	No	
Lenticular Rigging	No				Without Backstay	No	
Articulated Bowsprit							
P	17.950	E	6.154	MDT1	0.142	MW	0.270
IG	17.341	J	4.946	MDL1	0.264	GO	0.295
ISP	19.778	SFJ	0.000	MDT2	0.090	BD	0.285
BAS	1.635	SPL	0.000	MDL2	0.190	MWT	151.50
FSP	0.088	TPS	7.320	TL	0.930	MCG	6.205

MIZZEN RIG AND SAILS	
	N/A

COMMENTS	

SAILS (Maximum Areas)									
Mainsail	MHB	MUW	MTW	MHW	MQW	Area	Area (r)	Formula	
	1.160	1.80	2.61	4.00	5.15	68.99	70.46	$P/8 \cdot (E + 2 \cdot MQW + 2 \cdot MHW + 1.5 \cdot MTW + MUW + 0.5 \cdot MHB)$	
Symmetric									
Not Available									
Asymmetric on centerline	SLU	SLE	SL	SHW	SFL				
	22.30	18.22	20.26	11.01	10.87	185.41		$AS \cdot (SFL + 4 \cdot SHW) / 6$	

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
0.11	0.84	1.52	2.81	4.04	5.19	17.21	47.19					LT JIB

MEASUREMENT INVENTORY				
Measurer				
Date				
Comment				
<i>Id</i>	<i>Item</i>	<i>Weight</i>	<i>Distance</i>	<i>VCG Description</i>
a	Anchor	0-0	0-00	

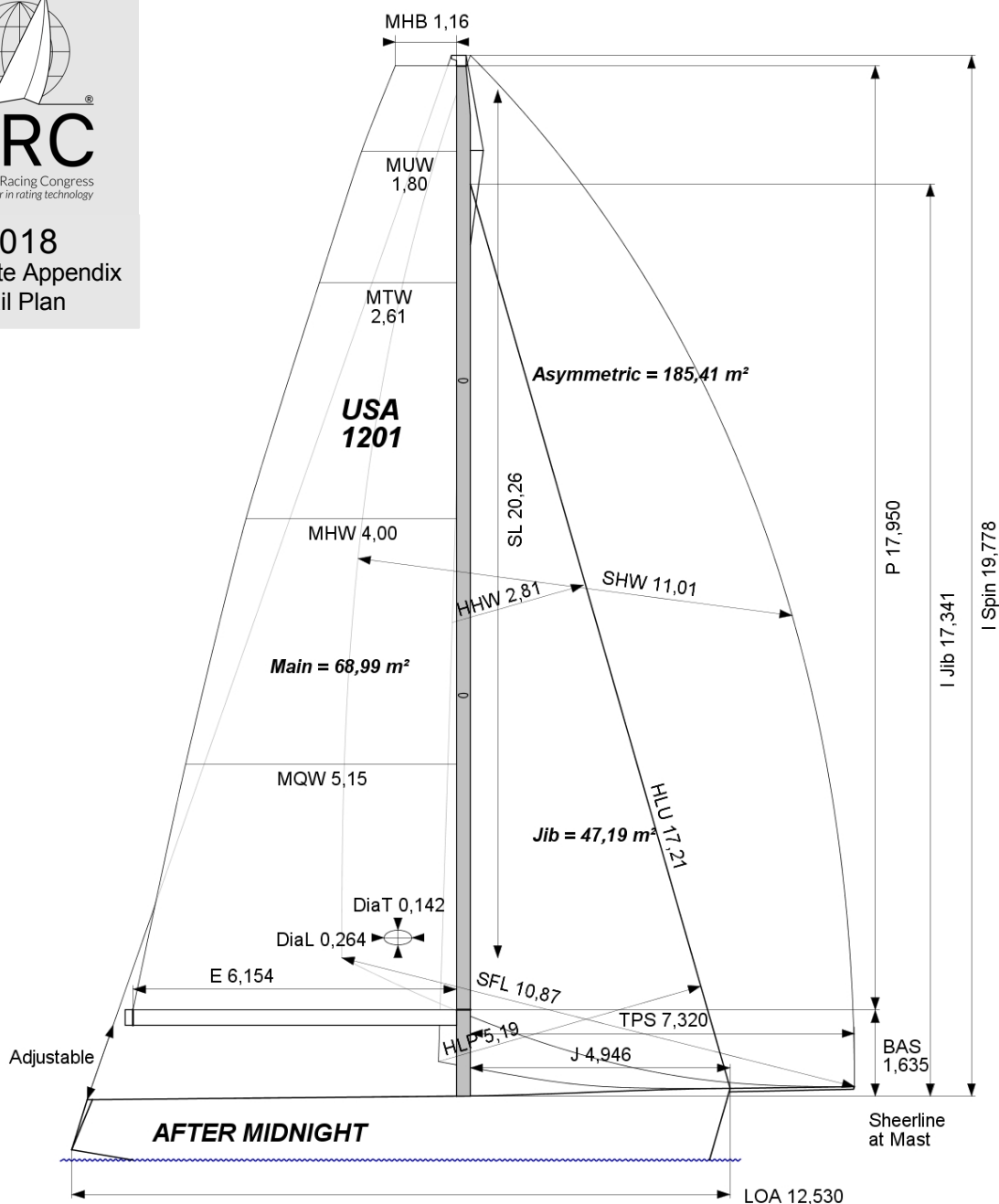
MEASUREMENT INVENTORY								
<i>Id</i>	<i>Item</i>	<i>Tank Use</i>	<i>Tank Type</i>	<i>Capcty</i>	<i>Dist.</i>	<i>VCG</i>	<i>Condtn</i>	<i>Description</i>
		Tank			0.00	0.00	1-0	
<i>Id</i>	<i>Item</i>	<i>Weight</i>	<i>Distance</i>	<i>VCG</i>	<i>Description</i>			



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Sail Plan



SAILS INVENTORY

MAINSAIL (1)

Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment
1779127	1.16	1.80	2.61	4.00	5.15	69.00			North		

HEADSAILS (1)

Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Fly	Measurer	Meas.Date	Manufacture	Material	Comment
1784772	0.11	0.84	1.52	2.81	4.04	5.19	17.21	105%	47.19					MARK		LT JIB

SYMMETRIC SPINNAKERS (0)

Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment
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ASYMMETRIC SPINNAKERS (1)

Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment
1784784	22.30	18.22	20.26	11.01	10.87	185.42	asym					