

**GPH = 793.2**      **CDL = 5.745**

**BOAT**

Class **Westerly GK24**  
Designer **Laurent Giles**  
Builder **Westerly Marine**  
Age Date **01/1976**  
Series Date **01/1976**  
Offset File **gr0072.off**

**HULL**

Length Overall **7.270 m**  
Maximum Beam **2.764 m**  
Draft **1.553 m**  
Displacement **2,099 kg**  
DLR **7.6832**  
IMS Division **Performance**  
Dynamic Allowance **0.452%**  
Age Allowance **0.487%**

**PROPELLER**

Installation **Strut**  
Type **Folding 2 blades**  
Diameter **0.350m**

**CREW**

Maximum weight **300 kg**  
Minimum weight **215 kg \* when applied**  
Non Manual Power  
Crew Arm Extension

**SAIL AREAS (m²)**

	Measured	Rated
Mainsail	<b>12.07</b>	<b>12.26</b>
Headsail Luffed	<b>18.73</b>	<b>18.73</b>
Headsail Flying		
Symmetric	<b>37.88</b>	<b>37.88</b>
Asymmetric		

**SAIL LIMITATIONS**

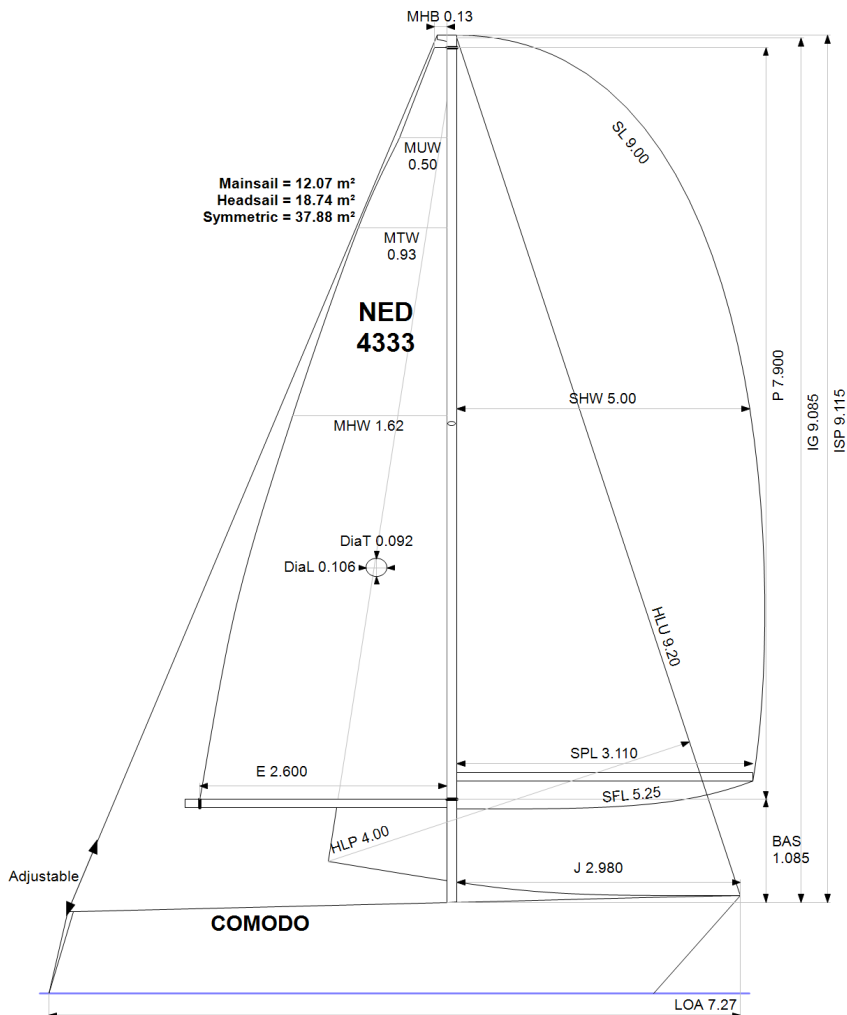
Headsails **5**  
Spinnakers **4**

**STABILITY**

Righting Moment **31.2 kg·m**  
Stability Index **N/A**

**OWNER**

*The owner certifies that he/she understands his/her responsibilities under ORC Rule and Regulations.*



Rated boat velocities in knots

Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat Angles	42.4°	41.3°	41.3°	39.8°	39.0°	38.6°	39.4°
Beat VMG	2.68	3.19	3.58	3.90	4.06	4.11	4.06
52°	4.07	4.78	5.29	5.56	5.71	5.77	5.78
60°	4.28	5.03	5.46	5.69	5.84	5.93	5.97
75°	4.43	5.20	5.59	5.81	5.98	6.14	6.33
90°	4.38	5.27	5.73	5.98	6.14	6.23	6.58
110°	4.47	5.37	5.80	6.10	6.40	6.67	6.96
120°	4.35	5.26	5.75	6.04	6.35	6.66	7.17
135°	3.97	4.85	5.53	5.87	6.15	6.46	7.06
150°	3.45	4.31	5.05	5.60	5.89	6.15	6.73
Run VMG	2.99	3.75	4.41	5.03	5.53	5.84	6.36
Gybe Angles	149.0°	153.0°	154.5°	172.0°	180.0°	180.0°	180.0°



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Time Allowances in secs/NM							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1342.7	1129.5	1006.0	923.5	886.6	876.3	887.0
52°	884.5	753.2	680.9	647.6	631.0	623.9	623.3
60°	841.8	716.3	659.2	632.8	616.7	606.7	603.1
75°	813.1	692.1	643.5	619.8	601.7	586.5	568.6
90°	822.8	683.2	627.9	601.7	586.4	577.6	547.3
110°	806.1	670.7	620.3	590.4	562.6	539.6	517.2
120°	828.0	684.5	626.3	595.5	567.0	540.3	502.3
135°	907.2	742.1	651.2	613.7	585.5	557.2	510.1
150°	1042.3	834.8	713.0	643.3	611.2	585.2	535.1
Run VMG	1203.5	961.1	816.6	715.0	650.5	617.0	566.4
Selected Courses							
Windward / Leeward	1273.1	1045.3	911.3	819.3	768.5	746.6	726.7
All purpose	992.7	823.1	734.0	681.2	649.8	632.3	611.1

Single Number Scoring Options		
Course	Time On Distance	Time On Time
Windward / Leeward	860.9	0.6969
All purpose	706.9	0.8488

### Custom scoring options for Netherlands

Single Number	Time On Time
Triple Number Coastal/Long Distance Low	0.6608
Triple Number Coastal/Long Distance Medium	0.8538
<del>Triple Number Coastal/Long Distance High</del>	<del>0.0542</del>
Triple Number Windward/Leeward Low	0.5176
Triple Number Windward/Leeward Medium	0.7009
Triple Number Windward/Leeward High	0.8058
Coastal/Long Distance	0.7809
Predominantly Upwind	0.7791
Predominantly Downwind	0.8437



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Data in meters/kilograms (Metric)

#### HULL AND APPENDAGES

Class	<b>Westerly GK24</b>	LOA	<b>7.270</b>	VCGD	<b>-0.046</b>
Measurement	<b>09/06/2020</b>	Max. Beam	<b>2.764</b>	VCGM	<b>0.004</b>
Measurer		Draft	<b>1.553</b>	RM Measured (kg·m)	<b>31.2</b>
HIN		Displacement	<b>2,099</b>	RM Default (kg·m)	<b>30.3</b>
Plan review		IMS L	<b>6.262</b>	Limit of positive stability (°)	<b>N/A</b>
Hull Construction	<b>Solid</b>	LSM0	<b>6.489</b>	Stability Index	<b>N/A</b>
Carbon rudder		Acc. length	<b>7.270</b>		
Light stanchions		Wetted area	<b>13.21</b>		
Trim tab		Sink (kg/mm)	<b>9.06</b>		

#### PROPELLER

Propeller Type	<b>Folding 2 blades</b>	PRD	<b>0.350</b>	EDL	ST3
Installation	<b>Strut</b>	PBW		ST1	ST4
Twin screw				ST2	ST5
PIPA	<b>0.0005</b>				

#### RIG

Forestay tension	<b>Aft</b>	P	<b>7.900</b>	E	<b>2.600</b>
Inner stay	<b>None Fitted</b>	IG	<b>9.085</b>	J	<b>2.980</b>
Carbon mast		ISP	<b>9.115</b>	BAS	<b>1.085</b>
Headsail furler		MDT1	<b>0.092</b>	FSD	
Mainsail furler		MDL1	<b>0.106</b>	SFJ	
Articulated bowsprit		MDT2		SPL	<b>3.110</b>
Non-circular rigging		MDL2		TPS	
Fiber rigging		TL	<b>-3.000</b>	BD	
Runners/Checkstays	<b>0</b>	MW		MWT	
Spreaders	<b>1</b>	GO		MCG	

#### FLOTATION AND STABILITY

Inclining Test	<b>Club Estimated VCG</b>	SFFP	<b>0.434</b>	SAFP	<b>7.010</b>
Flotation Date	<b>18/06/2020</b>	FFM	<b>1.002</b>	FAM	<b>0.822</b>
Measurer		FF	<b>1.017</b>	FA	<b>0.829</b>
Comment		LCFcl	<b>4.309</b>	LCFsh	<b>4.518</b>
		SG	<b>1.0000</b>	HBI	<b>0.957</b>

#### MEASUREMENT INVENTORY

Id	Tank Type	Capacity	LCG	VCG	Condition	Description
1	<b>fuel</b>	<b>40.0</b>	<b>7.00</b>		<b>10.0</b>	
Id	Item Description	Weight	LCG	VCG		
1	<b>Deck Gear (d)</b>	<b>30.0</b>				



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#### **MAINSAIL**

Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Measurement	Manufacturer	Material	Comment
1	0.13	0.50	0.93	1.62		12.07				Unknown	

#### **HEADSAIL**

Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Btn	Flying	Area	Measurer	Measurement	Manufacturer	Material	Comment
1						4.00	9.20	No	No	18.74				Unknown	

#### **SYMMETRIC SPINNAKER**

Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Measurement	Manufacturer	Material	Comment
1	9.00	9.00	9.00	5.00	5.25	37.88				Unknown	

