

APH: **547.1** CDL: **9.553**

GPH: **619.8** CertNo:

BOAT

Class **SUN ODYSSEY 410 Pe**
Designer **Lombard MARC**
Builder **Jeanneau**
Age date **01/2020**
Series date **01/2019**
Offset file **Sun Odyssey 410_DV.off**
Data file **PER410**

HULL

Length Overall **11.985 m**
Maximum Beam **3.996 m**
Draft **2.171 m**
Displacement **8,701 kg**
DLR **6.8055**
IMS Division **Cruiser/Racer**
Dynamic Allowance **0.278%**
Age Allowance **0.098%**

PROPELLER

Installation **Shaft exposed**
Type **Folding 3 blades**
Diameter **0.410m**

CREW

Maximum weight **520 kg**
Minimum weight **390 kg * when applied**
Non Manual Power **No**
Crew Arm Extension

SAIL AREAS (m²)

	Measured	Rated
Mainsail	42.32	42.92
Headsail Luffed	34.18	34.18
Headsail Flying		
Symmetric		
Asymmetric	146.87	146.87

(1 asymmetric(s) with SHW/SFL < 85%)

STORM SAIL AREAS (m²)

Trysail **12.40**
Storm Jib **11.00**
Heavy Weather Jib **29.70**

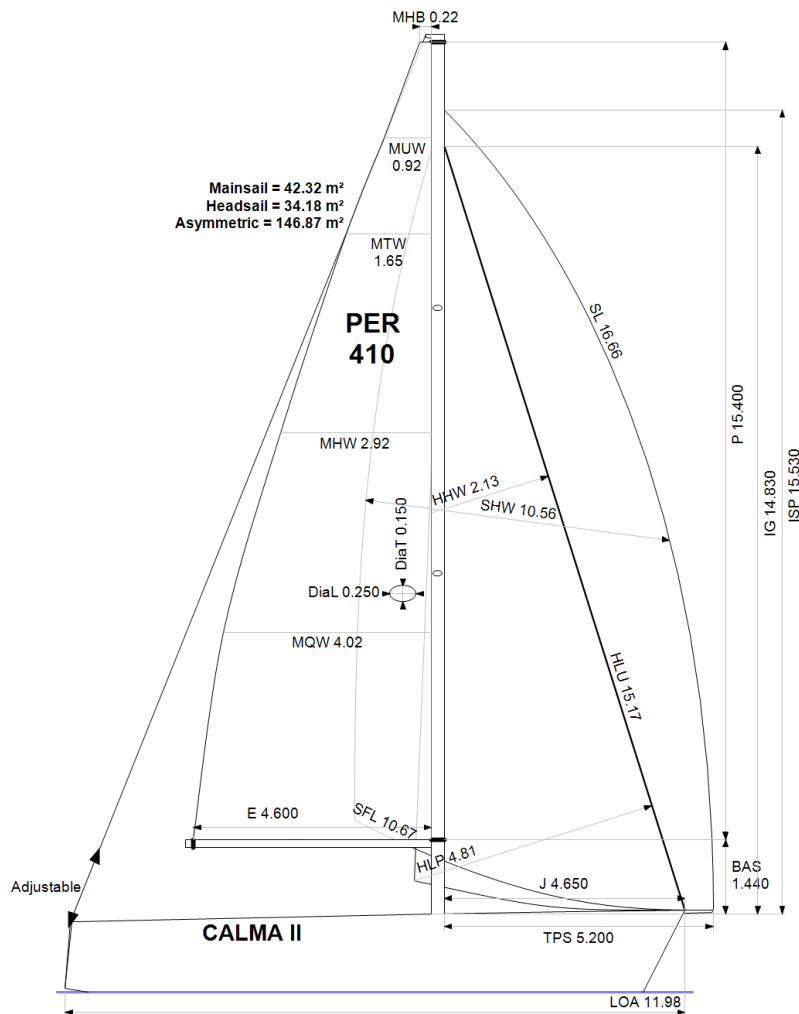
SAIL LIMITS

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

STABILITY

Righting Moment **261.8 kg·m**
Stability Index **N/A**

The owner and any other person in charge is responsible that boat is complying with her certificate in accordance with RRS 78.1 and ORC Rule 304.



Rated boat velocities in knots

Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat Angles	45.4°	43.6°	42.4°	41.8°	40.8°	40.2°	40.8°
Beat VMG	3.06	3.78	4.36	4.84	5.18	5.29	5.29
52°	4.79	5.80	6.58	7.20	7.56	7.70	7.75
60°	5.13	6.16	7.00	7.46	7.77	7.94	8.01
75°	5.67	6.79	7.53	7.91	8.08	8.18	8.46
90°	5.91	7.06	7.74	8.13	8.45	8.69	8.95
110°	5.91	7.18	7.90	8.34	8.72	8.96	9.61
120°	5.78	7.05	7.82	8.28	8.77	9.25	9.90
135°	5.09	6.46	7.46	8.01	8.45	8.94	10.01
150°	4.31	5.47	6.58	7.41	7.84	8.14	8.78
Run VMG	3.74	4.74	5.70	6.41	6.79	7.16	8.00
Gybe Angles	144.2°	147.4°	146.0°	149.2°	150.5°	169.4°	176.3°



Time Allowances in secs/NM

Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1176.9	951.8	825.7	743.8	695.5	680.1	681.0
52°	751.9	620.8	547.0	500.3	476.4	467.4	464.8
60°	702.4	584.8	514.2	482.8	463.3	453.4	449.2
75°	635.2	530.2	478.0	455.3	445.7	440.1	425.6
90°	609.0	510.0	465.0	442.8	426.2	414.2	402.4
110°	608.8	501.2	455.9	431.9	413.0	401.7	374.6
120°	623.3	510.5	460.6	434.5	410.7	389.1	363.6
135°	707.4	557.3	482.3	449.7	426.1	402.9	359.6
150°	834.3	657.9	547.0	486.0	459.3	442.2	409.8
Run VMG	963.4	759.7	631.6	561.2	530.2	502.8	450.1
Selected Courses							
Windward / Leeward	1070.1	855.8	728.7	652.5	612.8	591.5	565.6
All purpose	808.7	654.9	570.4	522.8	495.9	480.1	461.3

Single Number Scoring Options

Course	Time On Distance	Time On Time
Windward / Leeward	690.6	0.8689
All purpose	547.1	1.0967