



SPECIFICATIONS

TEAM PARTNERS

New York Yacht Club
Melges Performance Sailboats
Mills Design
Westerly Marine
FIBRE Mechanics
North Sails
Harken
Southern Spars
Garmin
Yanmar

PRINCIPLE DIMENSIONS

LOA	37.06 ft	11.30 m
LWL	34.78 ft	10.60 m
BEAM	11.97 ft	3.65 m
DRAFT	8.20 ft	2.50 m
BALLAST	3,373 lb	1,530 kg
DISPLACEMENT	7,793 lb	3,535 kg
DISP/LEN RATIO	83	

SAIL DIMENSIONS

JIB	376.74 ft ²	35 m ²
MAINSAIL	522.05 ft ²	48.5 m ²
SPINNAKER	1,657.64 ft ²	154 m ²
SAIL AREA UPWIND	924.6 ft ²	85.9 m ²
SAIL AREA DOWN (EST)	2093.6 ft ²	194.5 m ²
SA / WEIGHT UPWIND	36	
SA / WEIGHT DOWNWIND	76	
I	50.68 ft	15.45 m
J	14.39 ft	4.39 m
P	48.51 ft	14.79 m
E	16.40 ft	5.00 m

STL	22.27 ft	6.79 m
IRC RATING EST:	1.175	
ORC RATING EST:	543.120	

DESIGN & ENGINEERING

Design: Mills Design No.102
CFD and VPP Analysis: KND Sailing Performance
Structural Engineering: SDK Structures
ISO 12215 ISAF Plan Approval
ISO 12217 Category A

STRUCTURE

Hull, Deck, Interior Grid / Gelcoat Surface
Multiaxial E-glass and uni-directional carbon fiber
Foam core with vacuum wet-preg epoxy resin
Secondary bonds hi-strength structural adhesive

KEEL AND RUDDER

Carbon keel fin with lead bulb
Race faired to class templates – standard
Carbon rudder stock w/ blade faired to templates
Jeffa self-aligning rudder bearings top and bottom
Carbon tiller with an adjustable hiking stick
Twin composite steering wheels – optional
Single point lift padeyes

DECK GEAR BY HARKEN

Winches:	Primary	2 x H 46.2PTP
	Mainsheet	2 x H 46.2 STP
	Pit	1 x H 40.2 STP
	Backstay	2 x H 46.2 STP
	Handles	4 x H B10HOT S/G
		2 x H B8HOT S/G

Traveler track 6:1 cross-haul lead to trimmer
Transverse jib tracks: pin stop w / up/down purchase
3 Rope clutches Spinlock XTS0610/1c (main, jib halyard, tack)
Aluminum jib sheet fairleads
Black stainless steel stanchions and pulpits
Life lines s/s 1 x 19 wire
Foredeck hatch Lewmar #65 Trapezoidal

DECK HARDWARE

Stainless Steel chainplates
1.25 inch molded foredeck toe rail
Recessed plexiglass sliding hatch
Ritchie Venture SR-2 compass – in cockpit face

MECHANICAL

Yanmar 3YM20CE21 hp Diesel with SD 25 Saildrive
Gori 2- blade folding race prop
Molded 15-gallon fuel tank w/ deck fill
Primary fuel/water filter
Spinlock single lever throttle/clutch control

ELECTRICAL

12 VDC system
125-amp alternator with voltage charge balancer
2 X 12 VDC Group 27 batteries
1 X Dual main battery switch
1 X 30-amp main circuit breaker
1 X Blue Seas 4376 switch panel 6 circuit breakers
L.E.D. Navigation lights
Compass light switched on with Navigation lights
1 X 12 VDC L.E.D. overhead light
5 X L.E.D. AA battery interior lights
2 X 12 VDC / USB charger outlets near switch panel

PLUMBING

1 X Manual diaphragm bilge pump – below deck
1 X Electric bilge pump with extended pick up
Raske manual head with integral holding tank
Waste deck pump out
¾" Marelon flush mount seacock seawater intake

MAST, BOOM STANDING & RUNNING RIGGING

MAST

Southern Spars carbon w/ regatta splice
2 sets carbon swept spreaders
Integral mast jack cylinder & hydraulic pump
Aluminum mainsail track for slides: full battens & slides
2:1 Main halyard exits below to Spinlock clutch on mast
Provision for 2 jib halyards – 1 halyard standard
Provision for 2 spinnaker halyards – 1 halyard standard

BOOM

Southern Spars aluminum

16:1 outhaul lead to forward end of boom

Provision for single reef w/ Constrictor Clutch in boom (second reef optional)

SPRIT

Retractable carbon sprit

2:1 In /Out purchase lead to H-280 & H-150 Cams

Single tack-line lead to Spinlock XTS 0610/1C Clutch

STANDING RIGGING

S/S rod headstay & shrouds

2 X Dyneema topmast backstays 3:1 to winches

RUNNING RIGGING

1 x Main halyard, 2:1 lead to Spinlock rope clutch below deck

1 x Jib halyard standard (2cnd option) w/ soft shackle

1 x Spinnaker halyard standard (2cnd option) w/ soft shackle

1 x Mainsheet w / provision for continuous lead

2 x Jib sheets with soft shackles

2 x Spinnaker sheets w / soft shackles

1 x Spinnaker tack-line w / soft shackle

1 x Spinnaker retrieving line

2 x Traveler cross-haul 6:1 lead forward to main trimmer

2 x Jib pin stop cars

2 x Jib lead up / down

1 x Cunningham 6:1 lead to pit

1 x Quick Vang purchase lead aft to centerline of pit

1 x Outhaul, 16:1 lead to forward end of boom

1 x Jib Hobble Lead Aft

1 x Spinnaker Takedown System

INTERIOR & FIT OUT

Structural carbon reinforced grid

Gelcoat structural bulkheads

2 x Storage / seat modules amidships

Engine box with gas spring steps

Interior hull surfaces epoxy satin clear coat

Under deck surfaces epoxy satin clear coat

Textured composite covering walk surfaces amidships

Flush fasteners – companionway to forward hatch

ONE DESIGN

One Design corrector weight installed

Complete One Design measurement

One Design certificate issued