

Selection Criteria based on 2012 Survey	Crew				Draft										
	1	2 - 3	4	5	6	7	8	9	10	11	12	13	14	15	
	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
GYA Proposed Boats - Required Information Needed	Melges 20	J 70	VX One	Viper 640	K6	Sea Scape 18	Elliott 6m Sport	Elliott 7m	Ultimate 20	Open 5.7	Melges 24	E Scow	Fareast 18R	RS Venture	Topaz Omega
Length Overall	20'	22.75'	19'	21.1'	19.1'	18'	20.27'	22.97'	20.83'	18.9'	24'	28'	18.5'	16.4'	15.4'
Beam	7'	7.38'	7.17'	8.2'	6.5'	7.9'	7.5'	8.3'	8.6'	8.3'	8.2'	6.9'	7.2'	6.8'	6.1'
Draft	4' - 6"	4.75"	4.33"	4' 6"	4.7"	4.10"	5'	5.2"	5'	5.74"	5'	3.9"	3' 9"	3' 9"	
Underwater Appendage Type: (centerboard, fixed or retractable keel)	retractable keel	retractable keel	retractable keel	retractable keel	retractable keel	centerboard	retractable keel	retractable keel	retractable keel	Lifting Keel	retractable	dual centerboard/ rudders	retractable keel	Ballasted Centerboard	centerboard
Weight/ Displacement	1146 lbs.	1750 lbs	1400 lbs	749 lbs	848 lbs	1100 lbs	1323 lbs	1874 lbs	1260 lbs	1100 lbs	1783 lbs	965 lbs	1433 lbs	693 lbs	hull weight 353 lbs
Ballast	630 lbs	630 lbs	630 lbs	271 lbs	275 lbs	275 lbs	n/a	n/a	450 lbs	397 lbs	n/a	617 lbs	n/a	n/a	n/a
Main sail area	172 sqf	Main + Jib - 226 sqf	Main + Jib - 215 sqf	Main + Jib - 252 sqf	Main & Jib - 210 sq. ft.	156 sqf	171.15 sqf	216.4 sqf	205 sqf	129.69 sqf	264 sqf	228 sqf	141 sqf	118.4 sqf	111 sqf
Main: square top or pin head	square top	pin head	square top	pin head	pin head	square top	square top	pin top	full battan round top	square top	pin head	pin head	square top	pin head	pin head
Sail area: Jib	88 sqf	see above	see above	see above	see above	82 sqf	82.9 sqf	108.8 sqf	100 sqf	78.55 sqf	95 sqf	126 sqf	35.8 sqf	41 sqf	40.3 sqf
Sail area: Spinnaker	430 sqf	491 sqf	280 sqf	425 sqf	310 sqf	366 sqf	381.39 sqf	484.4 sqf	452 sqf	670 sqf	550 sqf	303.5 sqf	150 sqf/ 113 sqf	158 sqf	158 sqf
Do class rules have annual sail limitation card	yes	no	yes	yes	yes	no	yes	yes	yes	yes	yes	none	none	none	none
Type Spinnaker: (symmetric or asymmetric)	asymmetric	asymmetric	asymmetric	asymmetric	asymmetric	asymmetric	asymmetric	asymmetric	asymmetric	asymmetric	asymmetric	asymmetric	asymmetric	asymmetric	asymmetric
Spinnaker Hoist	masthead	masthead	fractional	fractional	fractional	fractional	fractional	masthead	masthead	fractional	masthead	masthead	masthead	fractional	fractional
Spinnaker Pole Type: (traditional, fixed/ retractable)	retractable	retractable	retractable	retractable	retractable	retractable	retractable	retractable	retractable	retractable	retractable	retractable	retractable	retractable	retractable
Spinnaker Pole: Alum. or composite	carbon	carbon	carbon	carbon	carbon	carbon	carbon	carbon	carbon	carbon	carbon	carbon	aluminum	aluminum	aluminum
Hull / Deck Construction Materials	VE resin/ core/ infused	E Glass/ Balsa/ Corecell	VE resin/ E glass/ PVC core	carbon	carbon	sprint-epoxy-pvc foam	GRP	infused glass	E Glass/ PVC core	hand laved / core/ vacuum	fiberglass	E Glass	M-preg, SP core	Fiberglass	fiberglass construction
Can repairs be made locally (or are special skills/ materials required)	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
Boom: alum. or composite	Alum	carbon	carbon	Alum	carbon	carbon	carbon	carbon	Alum	carbon	Alum	Alum	aluminum	aluminum	aluminum
Mast: alum. or composite	carbon	carbon	carbon	carbon	carbon	carbon	carbon	carbon	Alum	carbon	carbon	Alum	aluminum	aluminum	aluminum
Mast manufacturer	Southern Spar	Southern Spar	Southern Spar	Super Spars	Super Spars	Comptech	Southern Spar	Southern Spar	Southern Spar	Southern Spar	Melges Wedge Spar	Fareast/ China	n/a	n/a	
Mast: if composite is mast clear coated or painted matte black	clear coat	clear coat	clear coat	clear coat	clear coat	clear coat	clear coat	clear coat	clear coat	clear coat	clear coated or painted	anodized	deck	deck	deck
Is Mast deck stepped	yes	yes	yes	yes	yes	deck	yes w/ compression post	?	?	?	deck	deck	deck	deck	deck
Are halyards of wire or composite construction	?	?	synthetic	synthetic	synthetic	synthetic	synthetic	synthetic	?	synthetic	synthetic; jib = wire	synthetic	synthetic	synthetic	synthetic
Roller Furling Jib	yes	yes	yes	no	yes	yes	yes	no	yes	yes	yes	no	yes	yes	yes
Does rig have spreaders	yes	yes	yes	yes	yes	yes	no	yes	yes	yes	no	yes	yes	yes	yes
Are spreaders adjustable	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no
Does rig require jumpers	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no
Are shrouds of wire or composite construction	wire	wire	wire	wire	wire	1 x 19 wire	1 x 19 wire	1 x 19 wire	wire	wire	wire	wire	wire	wire	wire
Does rig have an adjustable head stay	yes, not during racing	yes, not during racing	yes, not during racing	?	yes	yes	?	?	Permanent	yes	yes; not during racing	?	yes	n/a	n/a
Does rig require running back stay	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no
Does rig require constant tuning in varying conditions	yes	yes	yes	yes	yes	yes	yes	yes	yes	no	yes	yes	yes	no	no
Do class rules allow rig adjustment during racing	2 - 4	2 - 4	2 - 3	2 - 3	2	3	3	3 - 4	41674	2 to 3	3 - 5	3 - 4	2 to 3	7-Feb	
Recommended # of Crew	500 - 600 lbs	617 max limit	380 - 450	500 - 580	595 - 772 lbs	500 - 600 lbs	Max 680 lbs	794 lbs max	4	Max 680 lbs	794 lbs max	3 - 4	2 to 3		
Optimum Crew Weight	Legs in w/ no hiking	2 legs inboard; 2 legs over side	straps	straps	straps	straps	straps	straps	Leg in w/ no hiking	straps	legs over side	straps	stations/life line	straps or trapeze package	straps
Stability of craft? Does boat capsize easily?	no	no	no	no	no	no	no	no	no	maybe	no	yes, in a breeze	no	stable but can flip over	stable but can flip over
Self Bailing	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
Boat Self Righting	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	no	yes	no	no
Can Boat be transported via Trailer	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
Can the boat be transported by a small SUV	yes	yes	yes	yes	yes	maybe	yes	yes	yes	yes	yes	yes	yes	yes	yes
What is the estimated height of the boat while on trailer	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	23' top of mast to waterline
Easily launched by hoist or ramp	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
Degree of difficulty rigging boat (scale 1 - 10 w/ 10 being very difficult)	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
# of people needed to step mast?	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Easy to maintain (standing and running rigging)	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
Cockpit large enough for training	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
Year of Design	2007	2012	2010	2002	2008	2000, Mod 2008 (sport)	China	China	China	2002	1993	80 years old; design modernized 2008	2013		
Builder Name	McConaghy Boats	C&K Composites/ CF Watercraft	Ovinton Boats, Ltd	Rondar Raceboats, UK	Rondar Raceboats, UK	Seascope - Slovenia	China	China	China	Phileas Boats (FRA)	Melges Performance Sailboats	Melges Performance Sailboats	Far East	RS Sailing	Topper
Boat Designer	Reichel Pugh	Johnstone	Weene/ Marlin	Brian Bennett	Paul Handley	Samuel Manuard	Greg Elliott - NZ	Greg Elliott - NZ	Jim Antrim	Group Finot	Reichel Pugh	Melges Performance Sailboats	Simonis/ Voogd	Phil Morrison	
# Years Builder has been in operation	1980	1980	2003	1980	2003	2003	2003	2003	since 1993	long time	since 1993	long time	since 1993	long time	
Probability of builder being in existence for next 10 years	good	good	good	good	yes	yes	yes	yes	good	good	good	good	yes	good	
# Hulls built per year	a lot	a lot	~ 100 boats world wide	a lot	over 300 boat built world wide	over 300 boat built world wide	over 300 boat built world wide	over 300 boat built world wide	over 850 boats built	a lot over the years	a lot over the years	a lot over the years	?	?	
Does builder support class	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	n/a	n/a
Strict one-design boat/ rules	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
Is Class Nationally Recognized (USA)	yes	yes	yes	yes	yes	n/a	yes	yes	yes	yes	yes	yes	yes	yes	yes
Class Association (size) in USA	yes	yes	yes	yes	yes	n/a	yes	yes	yes	yes	yes	yes	yes	yes	yes
Is Class International Sailing Federation Recognized (ISAF)	yes	yes	ISAF guidelines	yes	yes	n/a	yes	yes	yes	yes	yes	yes	yes	yes	yes
Class Association size World Wide	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	n/a	n/a
Does Class support National/ International Regattas	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	n/a	n/a
Can boat be competitively raced by all men/women/juniors of varying ages	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
Are used boats available for purchase	yes	yes	yes	yes	yes	not yet	yes	yes	yes	yes	yes	yes	yes	no	some
Are replacement/repair parts readily available	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
Can boat withstand impact with docks/other boats with minimal damage	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
Are competitive sails made by a variety of sail makers	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	not yet	no
Are 'exotic' sails permitted	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	no	no
Speed at 10 knots of wind															
Are multi-Boat purchasing program available	yes	yes	yes	yes	yes	yes	5% discount on 8 or more boats purchased at one time	yes	yes	yes	yes	yes	pricing based on purchasing 8 boats	yes	
Point of Contact	Andy Burdick	Stanton Murray	Brian Bennett	Drew, Chris or Tim	Paul Young	Rob Rogers	Elliott Marine Ltd (Greg)	Elliott Marine Ltd (Greg)	Don Corey	n/a	Andy Burdick	Andy Burdick	Matt Wake (STURGIS BOAT WORKS)	KO Sailing, TX	
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** Approximate retail cost, fully rigged, sails & trailer (no extras)	\$ 58,420.00	\$ 50,000.00	\$ 35,300.00	\$ 34,995.00	\$ 27,995.00	\$ 27,300.00	\$ 37,929.00	\$ 57,039.00	\$ 41,365.00	used boat \$25.50	\$ 74,935.00	\$ 52,675.00	\$ 26,569.00	\$ 21,400.00	TBD

** Bare minimum - no extras like covers, outboard motors, ect....