Saronic Custom options 2026 version

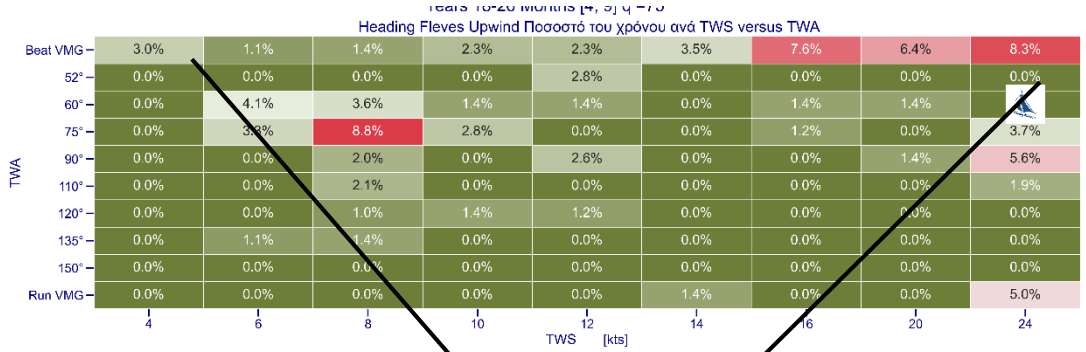
Γιαννης Καρυωτάκης

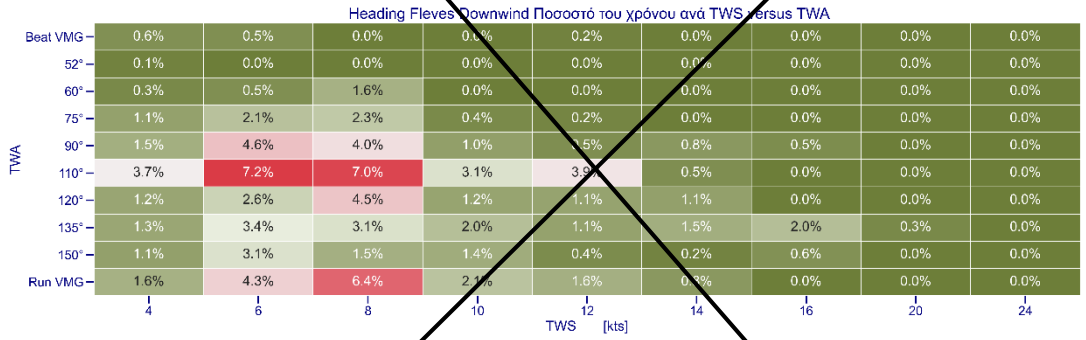
Οκτώβριος 2026

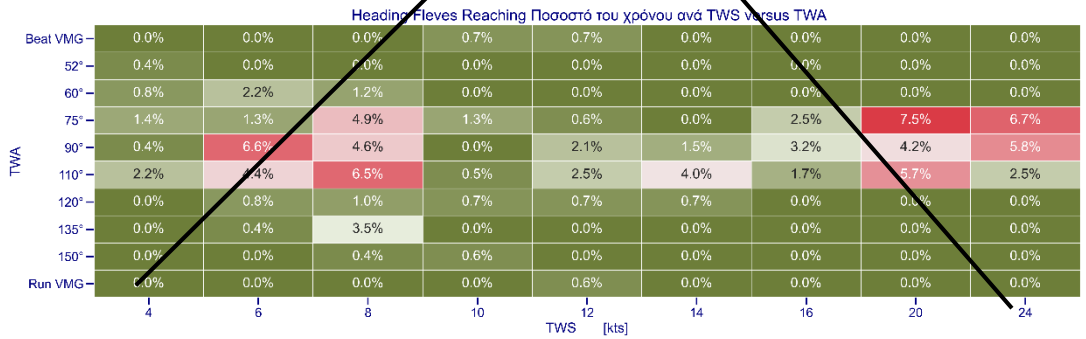
Βελτιώσεις

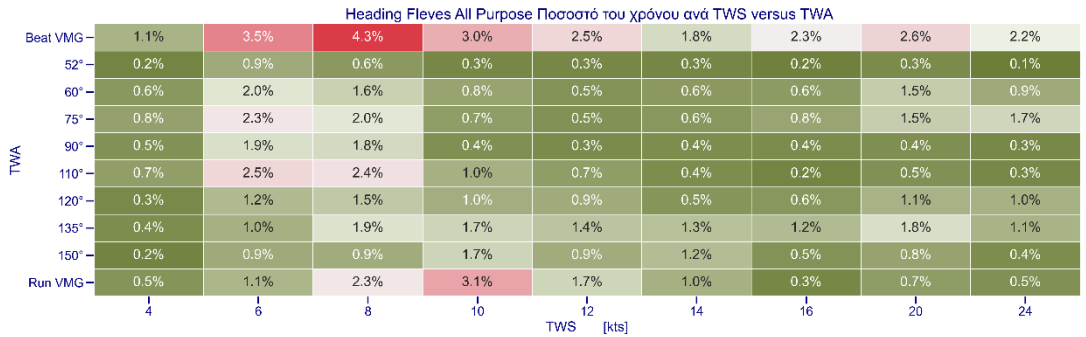
- *Δεδομένα από μήνες Απρίλιο, Μάιο, Σεπτέμβριο, από το 2018 – 2026, 9 χρόνια, 3 μήνες*
  - *Είχαμε από 2020-2025 και μόνο Μάιο Σεπτέμβριο, 6 χρόνια, 2 μήνες*
- *Δύο νέες, πήγαινε έλα, διαδρομές, Φλέβες (Φλέβες, Κασίδης) και Λαγούσες (Λαγούσες, Τούρλος)*
- *Είχαμε 3 επιλογές, UpWind, DownWind, AllPurpose. Προστέθηκε Reaching πλαγιοδρομία (σπάνια)*
- *Όλοι οι πίνακες TWA versus TWS, καλύπτουν TWA από 0°– 180° είναι σωστότερο μαθηματικά*
  - *UpWind : >75% χρόνου του αγώνα είχαμε 0°< TWA <90°*
  - *DownWind : >75% χρόνου του αγώνα είχαμε 90°< TWA <180°*
  - *Reaching : >75% χρόνου του αγώνα είχαμε 70°< TWA <110°*
  - *All Purpose : All TWAs*
- *Καλύτερη επεξεργασία των TWS > 24 Kts*
- *Νέοι πίνακες σελίδες 3-5 και διαφορά των σημερινών συντελεστών TOD με τους νέους, σελίδα 6*

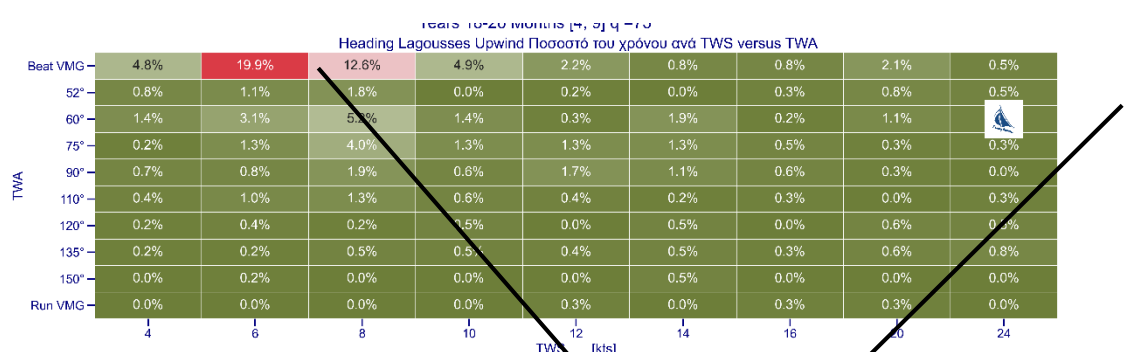
Φλέβες, Λαγούσες, πήγαινε έλα, μόνο All Purpose

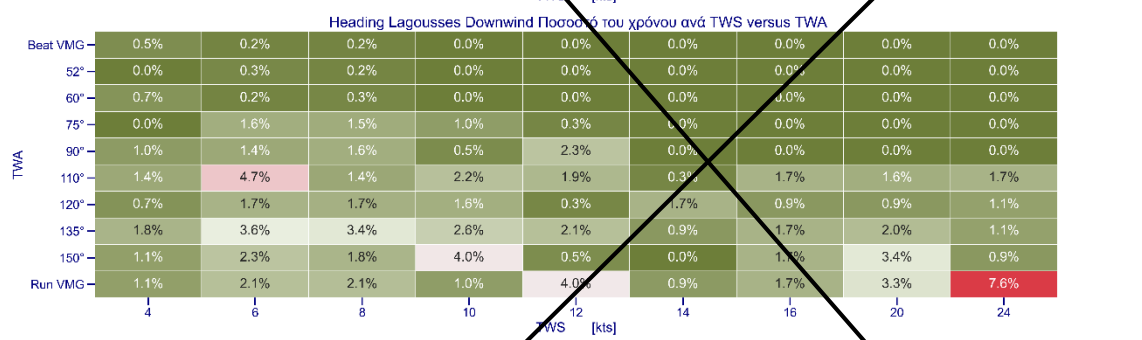


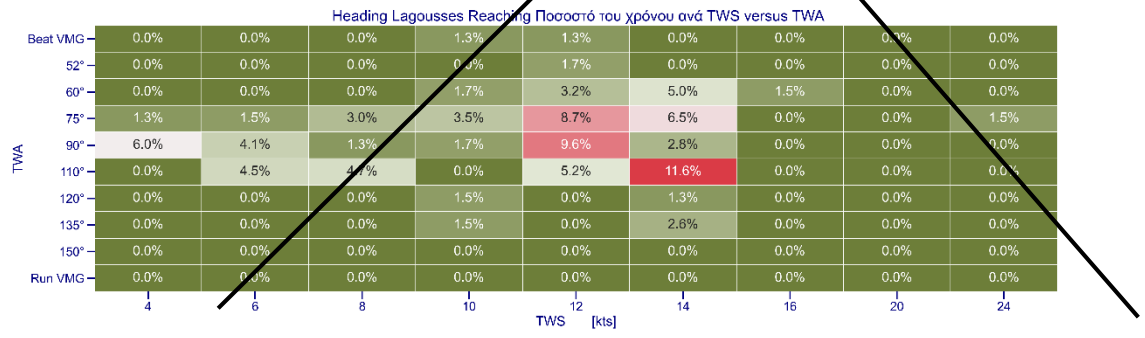


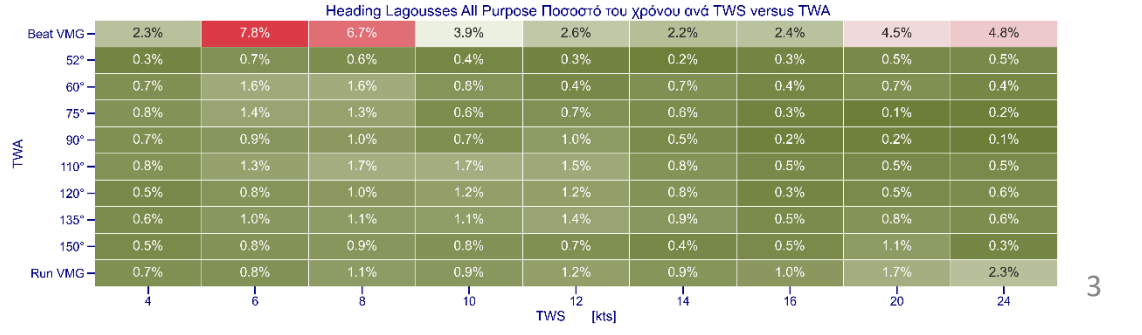












Heading South

Years 10-20 Months [4, 5, 9] q =75

Heading South Upwind Ποσοστό του χρόνου ανά TWS versus TWA

TWA	4	6	8	10	12	14	16	20	24
Beat VMG	2.5%	9.5%	14.1%	12.1%	7.7%	4.1%	1.4%	1.0%	0.5%
52°	0.4%	1.7%	2.7%	2.9%	2.2%	1.1%	0.4%	0.1%	0.1%
60°	1.3%	4.5%	5.2%	4.0%	2.2%	1.5%	0.7%	0.4%	0.2%
75°	0.5%	2.1%	2.3%	1.8%	1.4%	0.6%	0.3%	0.3%	0.2%
90°	0.3%	0.9%	0.7%	0.8%	0.3%	0.4%	0.2%	0.2%	0.1%
110°	0.2%	0.4%	0.3%	0.2%	0.1%	0.1%	0.0%	0.0%	0.0%
120°	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
135°	0.1%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
150°	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Run VMG	0.1%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

TWS [kts]

Heading South Downwind Ποσοστό του χρόνου ανά TWS versus TWA

TWA	4	6	8	10	12	14	16	20	24
Beat VMG	0.1%	0.1%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
52°	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
60°	0.1%	0.2%	0.1%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%
75°	0.0%	0.1%	0.1%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%
90°	0.2%	0.7%	0.5%	0.2%	0.2%	0.3%	0.3%	0.2%	0.2%
110°	0.3%	1.1%	1.2%	0.9%	0.6%	0.5%	0.5%	0.3%	0.6%
120°	0.3%	0.6%	1.1%	1.2%	0.6%	0.7%	0.4%	0.5%	0.3%
135°	0.2%	0.7%	1.6%	2.2%	2.2%	2.3%	1.8%	2.5%	2.3%
150°	0.2%	0.4%	0.8%	1.9%	2.2%	1.9%	2.3%	2.8%	3.2%
Run VMG	0.4%	0.6%	1.7%	3.1%	5.1%	7.6%	8.2%	15.3%	10.5%

TWS [kts]

Heading South Reaching Ποσοστό του χρόνου ανά TWS versus TWA

TWA	4	6	8	10	12	14	16	20	24
Beat VMG	0.0%	0.0%	1.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
52°	0.0%	0.0%	0.0%	1.5%	0.0%	0.0%	0.0%	0.0%	0.0%
60°	0.7%	0.0%	0.0%	0.0%	1.5%	0.0%	0.0%	0.0%	0.0%
75°	0.0%	0.0%	1.3%	2.6%	6.7%	5.3%	3.0%	1.6%	0.8%
90°	1.6%	4.9%	5.4%	1.3%	4.5%	5.5%	5.3%	7.1%	1.7%
110°	2.0%	5.3%	3.7%	2.9%	4.7%	3.8%	6.8%	1.5%	0.0%
120°	0.0%	0.7%	0.0%	0.7%	1.3%	0.6%	0.0%	0.0%	0.0%
135°	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
150°	0.0%	0.0%	0.7%	0.6%	0.0%	0.0%	0.0%	0.0%	0.0%
Run VMG	0.7%	0.0%	0.0%	0.7%	0.0%	0.0%	0.0%	0.0%	0.0%

TWS [kts]

Heading South All Purpose Ποσοστό του χρόνου ανά TWS versus TWA

TWA	4	6	8	10	12	14	16	20	24
Beat VMG	1.7%	5.7%	8.2%	6.8%	4.3%	2.3%	0.8%	0.6%	0.3%
52°	0.3%	1.0%	1.6%	1.7%	1.3%	0.6%	0.2%	0.1%	0.1%
60°	0.9%	2.7%	3.1%	2.4%	1.4%	0.9%	0.4%	0.2%	0.1%
75°	0.5%	1.5%	1.6%	1.3%	0.9%	0.5%	0.2%	0.2%	0.1%
90°	0.4%	1.1%	0.8%	0.7%	0.3%	0.4%	0.3%	0.3%	0.1%
110°	0.3%	1.0%	1.0%	0.6%	0.4%	0.3%	0.3%	0.2%	0.3%
120°	0.2%	0.4%	0.6%	0.6%	0.4%	0.3%	0.2%	0.2%	0.1%
135°	0.2%	0.4%	0.7%	0.9%	0.9%	0.9%	0.7%	0.9%	0.9%
150°	0.2%	0.2%	0.4%	0.8%	0.9%	0.7%	0.8%	1.0%	1.2%
Run VMG	0.3%	0.3%	0.7%	1.2%	1.9%	2.8%	3.0%	5.6%	3.8%

TWS [kts]

Heading North

Years 10-20 Months [4, 5, 9] q =75

Heading North Upwind Ποσοστό του χρόνου ανά TWS versus TWA

TWA	4	6	8	10	12	14	16	20	24
Beat VMG	2.7%	4.9%	5.7%	6.6%	7.1%	8.1%	7.5%	12.1%	9.0%
52°	0.3%	0.4%	0.8%	1.1%	0.8%	1.0%	1.0%	1.1%	0.7%
60°	1.0%	1.4%	2.1%	1.8%	1.8%	1.7%	1.1%	1.1%	0.8%
75°	1.1%	1.0%	1.5%	1.1%	1.7%	1.0%	0.6%	0.8%	0.8%
90°	0.5%	0.9%	0.8%	0.7%	0.4%	0.2%	0.2%	0.3%	0.3%
110°	0.3%	0.4%	0.1%	0.3%	0.1%	0.2%	0.0%	0.1%	0.0%
120°	0.1%	0.1%	0.1%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%
135°	0.0%	0.1%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
150°	0.0%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Run VMG	0.1%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

TWS [kts]

Heading North Downwind Ποσοστό του χρόνου ανά TWS versus TWA

TWA	4	6	8	10	12	14	16	20	24
Beat VMG	0.2%	0.8%	0.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
52°	0.1%	0.2%	0.6%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%
60°	0.2%	1.0%	1.3%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%
75°	0.4%	1.0%	1.2%	1.1%	0.3%	0.0%	0.1%	0.0%	0.0%
90°	0.3%	0.5%	2.1%	2.0%	1.3%	0.4%	0.2%	0.0%	0.0%
110°	0.9%	1.5%	2.5%	4.7%	3.7%	2.5%	1.3%	0.2%	0.0%
120°	0.5%	1.2%	1.5%	2.0%	3.5%	2.1%	1.5%	0.2%	0.2%
135°	0.5%	1.2%	2.0%	5.3%	5.3%	3.8%	2.7%	1.4%	0.4%
150°	0.1%	0.7%	0.5%	2.3%	3.0%	2.3%	1.6%	1.7%	1.0%
Run VMG	0.5%	0.6%	1.1%	3.0%	2.3%	2.8%	2.9%	3.0%	2.0%

TWS [kts]

Heading North Reaching Ποσοστό του χρόνου ανά TWS versus TWA

TWA	4	6	8	10	12	14	16	20	24
Beat VMG	0.0%	4.4%	0.8%	0.0%	0.8%	0.0%	0.0%	0.0%	0.0%
52°	0.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
60°	0.0%	1.5%	1.5%	3.0%	0.0%	0.0%	0.0%	0.0%	0.0%
75°	2.1%	2.9%	1.0%	3.8%	3.6%	2.9%	1.5%	1.7%	4.4%
90°	0.5%	4.6%	6.3%	5.1%	3.9%	1.0%	3.3%	2.8%	5.3%
110°	3.7%	3.4%	5.3%	5.7%	2.3%	1.5%	2.3%	0.0%	0.0%
120°	0.0%	1.4%	0.0%	0.0%	0.0%	0.8%	0.0%	0.0%	0.0%
135°	0.8%	0.0%	0.0%	0.8%	0.8%	0.0%	0.8%	0.0%	0.0%
150°	0.0%	0.0%	0.0%	0.0%	1.4%	0.0%	0.0%	0.0%	0.0%
Run VMG	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

TWS [kts]

Heading North All Purpose Ποσοστό του χρόνου ανά TWS versus TWA

TWA	4	6	8	10	12	14	16	20	24
Beat VMG	3.0%	5.6%	4.6%	3.2%	3.2%	3.5%	3.2%	5.2%	3.9%
52°	0.4%	0.6%	0.7%	0.6%	0.4%	0.5%	0.5%	0.5%	0.3%
60°	1.0%	2.1%	1.7%	1.1%	0.9%	0.8%	0.5%	0.5%	0.3%
75°	1.4%	1.9%	1.6%	0.9%	1.0%	0.5%	0.3%	0.4%	0.4%
90°	1.0%	1.4%	1.7%	1.2%	0.6%	0.3%	0.2%	0.1%	0.1%
110°	1.2%	1.9%	2.2%	2.0%	1.0%	0.6%	0.3%	0.1%	0.0%
120°	0.5%	1.0%	1.1%	1.1%	1.0%	0.5%	0.3%	0.0%	0.0%
135°	0.5%	0.9%	1.5%	2.2%	1.7%	1.1%	0.6%	0.3%	0.1%
150°	0.2%	0.5%	0.6%	1.1%	1.2%	0.8%	0.4%	0.4%	0.2%
Run VMG	0.5%	0.6%	0.7%	1.3%	1.1%	1.0%	0.7%	0.7%	0.4%

TWS [kts]

Heading South West

Heading SouthWest Upwind Ποσοστό του χρόνου ανά TWS versus TWA

TWA	4	6	8	10	12	14	16	20	24
Beat VMG	2.5%	14.1%	17.5%	11.7%	5.6%	2.2%	0.9%	0.9%	0.5%
52°	0.3%	1.7%	2.1%	0.8%	1.0%	0.3%	0.3%	0.2%	0.1%
60°	0.8%	3.7%	3.9%	2.5%	1.3%	0.8%	0.6%	0.3%	
75°	0.7%	3.0%	3.4%	1.7%	1.3%	0.8%	0.4%	0.7%	0.3%
90°	0.5%	1.8%	1.6%	1.2%	0.5%	0.3%	0.0%	0.2%	0.3%
110°	0.3%	0.6%	0.9%	0.4%	0.3%	0.0%	0.1%	0.0%	0.0%
120°	0.2%	0.2%	0.2%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%
135°	0.1%	0.2%	0.0%	0.0%	0.0%	0.1%	0.0%	0.0%	0.0%
150°	0.1%	0.1%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Run VMG	0.2%	0.1%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%

TWS [kts]

Heading SouthWest Downwind Ποσοστό του χρόνου ανά TWS versus TWA

TWA	4	6	8	10	12	14	16	20	24
Beat VMG	0.2%	0.3%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
52°	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
60°	0.1%	0.2%	0.2%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%
75°	0.2%	0.2%	0.3%	0.2%	0.2%	0.1%	0.1%	0.0%	0.1%
90°	0.4%	0.5%	0.5%	0.3%	0.8%	0.7%	0.3%	0.5%	0.4%
110°	0.5%	1.2%	1.3%	2.2%	2.0%	1.6%	1.6%	2.0%	1.4%
120°	0.3%	0.5%	1.1%	1.2%	1.9%	1.9%	1.5%	2.4%	2.4%
135°	0.3%	0.7%	1.3%	2.3%	2.9%	3.6%	4.0%	6.3%	8.0%
150°	0.2%	0.4%	1.3%	1.2%	2.1%	1.9%	2.6%	4.1%	3.5%
Run VMG	0.3%	0.8%	1.1%	1.6%	2.4%	2.7%	3.0%	4.3%	2.7%

TWS [kts]

Heading SouthWest Reaching Ποσοστό του χρόνου ανά TWS versus TWA

TWA	4	6	8	10	12	14	16	20	24
Beat VMG	0.2%	0.2%	0.4%	0.2%	0.2%	0.0%	0.0%	0.0%	0.0%
52°	0.0%	0.3%	0.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
60°	0.5%	1.3%	2.2%	0.9%	0.7%	0.0%	0.0%	0.0%	0.0%
75°	0.5%	5.0%	7.9%	3.2%	3.0%	2.0%	1.2%	1.5%	0.0%
90°	0.8%	3.8%	5.9%	4.0%	6.0%	4.3%	1.8%	1.8%	1.9%
110°	0.4%	2.1%	4.9%	4.8%	5.4%	4.5%	4.1%	2.8%	1.0%
120°	0.1%	0.2%	1.3%	1.8%	1.3%	0.9%	0.2%	0.2%	0.0%
135°	0.2%	0.2%	0.4%	0.2%	0.2%	0.3%	0.0%	0.2%	0.0%
150°	0.0%	0.0%	0.0%	0.1%	0.2%	0.0%	0.2%	0.0%	0.0%
Run VMG	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

TWS [kts]

Heading SouthWest All Purpose Ποσοστό του χρόνου ανά TWS versus TWA

TWA	4	6	8	10	12	14	16	20	24
Beat VMG	1.8%	7.5%	8.7%	5.6%	2.7%	1.0%	0.4%	0.4%	0.2%
52°	0.2%	1.0%	1.2%	0.4%	0.5%	0.1%	0.1%	0.1%	0.0%
60°	0.6%	2.6%	2.3%	1.4%	0.7%	0.4%	0.3%	0.2%	0.1%
75°	0.6%	2.4%	2.6%	1.4%	0.9%	0.6%	0.3%	0.3%	0.1%
90°	0.5%	1.7%	1.8%	1.4%	1.2%	0.7%	0.2%	0.4%	0.4%
110°	0.5%	1.3%	1.9%	1.6%	1.4%	0.9%	0.9%	0.9%	0.6%
120°	0.2%	0.5%	0.9%	0.9%	0.9%	0.9%	0.6%	0.8%	0.8%
135°	0.4%	0.6%	0.6%	1.1%	1.2%	1.3%	1.4%	2.2%	2.8%
150°	0.2%	0.2%	0.5%	0.5%	0.8%	0.7%	0.9%	1.4%	1.2%
Run VMG	0.3%	0.5%	0.5%	0.7%	0.9%	1.0%	1.0%	1.5%	0.9%

TWS [kts]

Heading North East

Heading NorthEst Upwind Ποσοστό του χρόνου ανά TWS versus TWA

TWA	4	6	8	10	12	14	16	20	24
Beat VMG	4.0%	4.7%	4.1%	3.3%	3.9%	3.9%	4.5%	6.8%	6.4%
52°	0.7%	0.4%	1.2%	0.9%	1.1%	1.2%	1.3%	2.5%	2.1%
60°	2.0%	2.3%	2.3%	2.4%	2.6%	2.1%	2.5%	3.1%	
75°	2.0%	2.1%	2.2%	2.5%	1.9%	1.9%	1.3%	0.6%	0.6%
90°	0.6%	1.0%	1.7%	1.7%	0.9%	0.5%	0.3%	0.2%	0.0%
110°	0.3%	0.4%	0.7%	0.5%	0.3%	0.1%	0.2%	0.0%	0.0%
120°	0.0%	0.1%	0.1%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%
135°	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
150°	0.0%	0.0%	0.0%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%
Run VMG	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

TWS [kts]

Heading NorthEst Downwind Ποσοστό του χρόνου ανά TWS versus TWA

TWA	4	6	8	10	12	14	16	20	24
Beat VMG	0.6%	0.4%	0.2%	0.1%	0.1%	0.0%	0.0%	0.0%	0.0%
52°	0.1%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
60°	0.5%	0.6%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
75°	1.0%	0.7%	0.6%	0.7%	0.2%	0.0%	0.1%	0.0%	0.0%
90°	1.3%	2.3%	1.3%	0.9%	1.0%	0.8%	0.6%	0.5%	0.1%
110°	4.3%	5.8%	3.0%	2.2%	1.8%	1.7%	0.9%	1.8%	0.6%
120°	3.5%	4.6%	2.9%	1.2%	1.2%	0.9%	0.9%	0.7%	0.8%
135°	4.5%	7.2%	4.2%	2.2%	1.2%	1.2%	0.7%	0.7%	0.4%
150°	1.6%	2.3%	1.1%	1.5%	1.3%	0.4%	0.6%	0.3%	0.2%
Run VMG	2.4%	3.8%	2.4%	1.5%	1.6%	1.0%	0.4%	0.8%	0.2%

TWS [kts]

Heading NorthEst Reaching Ποσοστό του χρόνου ανά TWS versus TWA

TWA	4	6	8	10	12	14	16	20	24
Beat VMG	1.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%
52°	0.0%	0.2%	0.1%	0.1%	0.0%	0.1%	0.0%	0.0%	0.0%
60°	1.3%	2.2%	0.9%	0.7%	0.1%	0.3%	0.2%	0.0%	0.0%
75°	7.2%	7.1%	2.1%	1.9%	1.6%	0.8%	1.5%	0.5%	0.1%
90°	7.1%	9.9%	5.4%	1.7%	1.4%	1.9%	1.0%	2.4%	0.0%
110°	6.1%	13.3%	4.4%	3.0%	1.2%	1.4%	0.9%	2.5%	0.2%
120°	1.2%	1.2%	0.6%	0.5%	0.2%	0.0%	0.0%	0.0%	0.2%
135°	0.4%	0.3%	0.1%	0.0%	0.1%	0.1%	0.0%	0.0%	0.0%
150°	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Run VMG	0.0%	0.1%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

TWS [kts]

Heading NorthEst All Purpose Ποσοστό του χρόνου ανά TWS versus TWA

TWA	4	6	8	10	12	14	16	20	24
Beat VMG	3.1%	3.7%	2.5%	1.8%	2.0%	1.9%	2.2%	3.3%	2.9%
52°	0.5%	0.4%	0.7%	0.5%	0.6%	0.6%	0.6%	1.1%	0.9%
60°	1.7%	2.0%	1.6%	1.3%	1.4%	1.1%	1.2%	1.4%	1.1%
75°	2.5%	2.3%	1.7%	1.7%	1.2%	1.0%	0.7%	0.3%	0.3%
90°	1.9%	2.3%	2.0%	1.3%	1.0%	0.6%	0.4%	0.4%	0.0%
110°	2.4%	3.3%	2.1%	1.3%	0.9%	0.7%	0.5%	0.6%	0.2%
120°	1.4%	2.0%	1.2%	0.7%	0.5%	0.3%	0.3%	0.2%	0.2%
135°	1.7%	2.6%	1.7%	0.9%	0.5%	0.4%	0.2%	0.2%	0.1%
150°	0.6%	0.8%	0.5%	0.7%	0.5%	0.2%	0.2%	0.1%	0.1%
Run VMG	1.1%	1.3%	1.0%	0.7%	0.6%	0.4%	0.1%	0.3%	0.1%

TWS [kts]

Διαφορά νέων συντελεστών TOD με αυτούς του 2025 που έχουμε στο πιστοποιητικό μας

- Από 1-2% μέχρι 10-12%

