

MP:n Kilpakoulu 7.2.2022


Veikko Mäkipää

MP:n kilpakoulu 2022

- **Osa 1: Maanantaina 7.2.2022 klo 18:00 - 19:00**
- FinRating mittalukutilanne 2022 ja DH-mittakirja.
- Juhani Lehtonen kertoo s/y Xanadun valmistautumisesta ORC Double Handed MM-kilpailuun, joka pidetään Gotland Runtin yhteydessä 2022.
- Juhani Koistinen kertoo pariskunnan kokemuksia DH-kilpailuista GUY33-veneellä.
- Keskustelua ajankohtaisista aiheista: koulutuksesta, varusteista.
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- **Osa 2: Maanantaina 21.2.2022 klo 18:00 - 19:00**
- Karl-Johan Furustam: Veneen parantaminen Double Handed -kilpailuja varten, esimerkkinä itse suunniteltu ja rakennettu s/y Vivace.
- Kamu Stråhlmann: Mihin purjevenesuunnittelu on menossa.
- Keskustelua em. aiheista.
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FinRating muutoksia 2022

- Tarkennuksia kölin, miehistöpainon, tuulen jakautuman suhteen
- Lisätty foilaavien veneiden laskenta
- GPH lukujen lisäksi APH (All-Purpose Handicap) luvuilla.
Luvut sekuntia/maili. Noin 10 pros nopeampia.
- Finrating luvut ovat käänteisiä: $= (600 / \text{Aikojen painotettu arvo})$, kun referenssi on 6 solmua
- Todistuksia:
 1. Normaali, vain yksi kerrallaan voimassa,
 2. NS Non Spin -todistus,
 3. DH Double Handed -todistus
 4. DH NS Double Handed Non Spin
- Jos todistukset tilataan samaan aikaan ne saa samaan hintaan.
Todistuskauppa aukeaa maaliskuussa.





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ORC Rating Systems

Why do we need rating systems?

To allow boats of different sizes and characteristics to race each other with an equal chance to win. Rating or handicaps correct their elapsed time difference and put them on the same level.

What is an ideal rating system?

The search for a perfect rating system is as old as sailboat racing itself. Boat owners, sailors, designers and handicappers are always looking for solutions that work as boat designs change with time. However, regardless of what rating system is actually in use, an ideal rating system should have the following features:

- be fair to all boats, from cruisers to racers, with no strong typeforms in design
- be open, transparent and freely available

RATING

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Search for Certificates

Fill in the following fields to provide criteria for your search. All fields are optional, however entering more information will give more accurate results.

The certificates to be returned are limited to 500. If the search results exceed this limit repeat the search entering more criteria.

Bear in mind that the search is performed among data which are the **exact** ones submitted to the ORC by the rating offices worldwide.

Country:

If you know the country of origin (rating office) of the certificate select it from the list, otherwise select "* Any *".

Year:

Narrow your search by selecting the certificate issue year.

ORC Reference #:

Although not mandatory, a search by the reference number will locate a single certificate. Fill this in only if you know the **exact** reference number.

Yacht Name:

Fill in the name of the boat or part of it.

Sail Number:

Fill in the sail number or part of it. Avoid using delimiters (such as "-"). Instead, entering just the number without the country abbreviation (eg. "12345" instead of "FRA-12345") will give better results.

Yacht Class:

Fill in the yacht make/model or part of it. The "Class" field of the certificate is searched. If you're not sure about the definition or spelling of the class, it's better to input less but more characteristic information. For example, the "Beneteau First 40.7" is usually recorded as "First 40.7" so the search for "Beneteau 40.7" will yield an empty result set. However searching for "40.7" will produce the desired result.

It is also possible to use the "%" symbol as a wildcard. For example, a search for "J-105" will yield some results but not all of them, because this boat is spelled sometimes as "J/105" or "J 105", depending on the originating rating office.

Searching for "J%105" will give the full results.

[Search](#)

Time Allowances in secs/NM							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1025.4	839.6	739.0	700.0	684.6	677.6	662.7
52°	666.7	557.3	506.8	489.0	482.5	479.2	471.6
60°	627.9	532.5	492.9	476.2	468.7	464.6	458.0
75°	599.5	515.8	483.0	463.9	449.7	440.6	432.6
90°	599.9	504.8	476.7	461.1	442.1	425.0	403.3
110°	589.2	495.9	461.2	436.3	421.1	407.8	384.4
120°	603.4	502.7	464.6	434.7	407.9	389.7	362.1
135°	673.8	540.9	482.7	452.2	422.4	394.4	335.0
150°	794.5	631.5	534.3	486.1	463.0	442.4	400.7
Run VMG	917.4	729.3	616.9	560.9	534.4	498.3	450.6
Selected Courses							
Windward / Leeward	971.4	784.4	678.0	630.4	609.5	588.0	556.6
All purpose	746.0	612.6	546.6	515.3	497.2	482.0	457.0

Single Number Scoring Options		
Course	Time On Distance	Time On Time
Windward / Leeward	660.3	0.9087
All purpose	533.0	1.1258

Custom scoring options for Finland

Single Number	Time On Distance	Time On Time
FinRating (Coastal/Long Distance)	580.5	1.0336
Triple Number Coastal/Long Distance Low	679.3	0.8833
Triple Number Coastal/Long Distance Medium	529.3	1.1335
Triple Number Coastal/Long Distance High	476.4	1.2594
Triple Number Windward/Leeward Low	878.0	0.6834
Triple Number Windward/Leeward Medium	653.9	0.9176
Triple Number Windward/Leeward High	581.6	1.0316

Performance Curve	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Coastal/Long Distance	966.0	736.1	613.2	549.8	516.1	486.3	437.1

DH-Todistus / Normaali FinRating todistus

- Todistus 4 hengen miehistölle 340 kg 4300 kg vene 702 sec/maili
- Todistus 2 hengen miehistölle 170 kg 4300 kg vene 707 sec/maili
ero 0,7 prosenttia, 20 mailin kilpailussa 100 sekuntia.

- Todistus 8 hengen miehistölle 510 kg First 31.7 666 sec/maili
- Todistus 2 hengen miehistölle 170 kg First 31.7 674-686 sec/maili
ero 1,2 (normaali) -3,0 (eri keulapurje) prosenttia

Yksilöllinen / Taulukko FinRating todistus

- Albin Express ja Finn Express 83 taulukkoluvut ovat kunnollisia
- Muilla yksityyppi-veneillä taulukkoluvut liian korkeita, koska kaikki haluavat mahduttaa veneensä taulukkomittoihin

Vene	FinRating	sakkoPros	Ahvonselkä ¾ korkeus	Spinnun Leveys	Miehistön Paino
Todistus 1	0,8807	0,00	1,31m	6,49m	320kg
Todistus 2	0,8921	1,29	1,42m	6,32m	430kg
Todistus 3	0,9088	3,19	1,50m	6,90m	430kg
Taulukkovene	0,9119	3,54	1,50m	6,90m	502kg

- Sopikaa yksityyppiveneille taulukkomitat !!!
Sama 1980 -luvun sarjatuotantoveneille !!!

Veneen runkotiedosto - offset tiedosto

runkotiedosto.off 4000 pistettä

Tarkista erityisesti mitä kölivaihtoehtoa tiedosto vastaa.

Veneen syrjäyttämä vesimäärä lasketaan varalaitakorkeudesta edessä ja takana.

Punnitus antaa Club tason tiedon, mutta ei keula / peräpainoisuutta.

Vanhemmille veneille voidaan laatia likimääräinen tiedosto valokuvien perusteella.

