



NavCad Premium 2023

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标签

HydroComp NavCad 2023 [Premium] - [ROPAK80m.hcnc]

File Edit View Analysis Tools Help

Mode: Resistance

Edit: Condition

Vessel drag

Calc

ITTC-78 (CT)

Technique:

Aligned prediction

Prediction:

Holtrop

Reference ship:

ModelTestForAlign...

Model LWL:

(m)

2.206

Viscous

Expansion:

Standard

Friction line:

ITTC-57

Hull form factor:

On

1.274

Speed corr:

Off

Spray drag corr:

Off

Corr allowance:

ITTC-78 (v2008)

Roughness (mm):

Off

Catamaran

Interference:

Off

Added drag

Appendage:

Calc

Holtrop (Compon...

Wind:

Calc

Taylor

Seas:

Off

Shallow/channel:

Off

Towed:

Off

Design margin

Basis:

Off

Percentage:

Off

Sinkage & trim

Prediction:

Off

Project

Project ID:

Sample tutorial

Description:

63 m Offshore Su...

Summary

Scope:

ITTC-78 (CT)

Configuration:

Monohull

Chine type:

Single/hard

Length on WL:

58.757

m

Displacement:

4.562

[CVOL]

Propulsor type:

Propeller

Count:

2

Resistance

of the ship

HydroComp NavCad 2023 [Premium]

Resistance parameters

Project ID: Sample tutorial

Description: 63 m Offshore Supply Vessel

File name: ROPA80m.hcnc

Model type: ITTC-78 (CT)

Configuration: Monohull

Chine type: Single/hard

Length on WL: 58.757 m

Displacement: 4.562 CVOL

Propulsor type: Propeller

Count: 2

Speed: 13.00 kt

Resistance: 130.49 kN

Effective power: 1.69 MW

Resistance coefficient: 0.000658

Effective power coefficient: 0.0005720

Resistance margin: 0.00

Effective power margin: 0.00

About HydroComp NavCad 2023 [Premium]

HydroComp NavCad 2023 [Premium]

Build code: 23.02.0110.1000.U1000

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OK

Task list

01. Create new project

02. Configure units

03. Prepare supporting data

04. Enter Condition data

05. Enter Hull data

06. Enter Appendage data

07. Enter Environment data

08. Enter Margin data

09. Set Resistance parameters

Speed Coeffs

ITTC-78 Coeffs

Resistance and Effective Power

SPEED [kt]	FN	FV	RN	CF	[CV/CF]	CR	dCF	CA	CT	RBARE [kN]	RAPP [kN]	RWIND [kN]	RSEAS [kN]	RCHAN [kN]	RTOWED [kN]	RMARGIN [kN]
13.00	0.279	0.595	3.30e8	0.001765	1.274	0.002814	0.0000000	0.000658	0.005720	130.49	7.17	1.69	0.00	0.00	0.00	0.00

HydroComp NavCad 2021 [Premium] - [DownLoadLy.iR.hcnc]

File Edit View Analysis Tools Help

Mode: Resistance

Edit: Condition

Vessel drag

Calc

Planing

Technique:

Planing

Prediction:

Savitsky

Reference ship:

Model LWL:

(ft)

Custom

Options

Expansion:

ITTC-57

Friction line:

Custom

Speed hump corr:

Off

Propulsor lift corr:

Off

Spray drag corr:

Off

Corr allowance:

0.000000

Roughness (mm):

Off

Catamaran

Interference:

Off

Added drag

Appendage:

Off

Wind:

Calc

Taylor

Seas:

Off

Shallow/channel:

Off

Towed:

Off

Design margin

Basis:

Off

Percentage:

Off

Sinkage & trim

Prediction:

Off

Project

Project ID:

Description:

Summary

Scope:

Planing

Configuration:

Monohull

Resistance

of the ship

HydroComp NavCad 2021 [Premium]

Resistance parameters

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About HydroComp NavCad 2021 [Premium]

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Build code: 21.01.0094.1000.U1000

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09. Set Resistance parameters

Speed Coeffs

Planing Coeffs

Resistance and Effective Power

SPEED [kt]	FV	FNB	RN	CF	TRIM [deg]	LK/LP	HUMP	LIFTC	RBARE [lbf]	RAPP [lbf]	RWIND [lbf]	RSEAS [lbf]	RTOWED [lbf]	RMARGIN [lbf]
20.00	4.229	3.426	1.77e7	0.002724	3.20	0.782	1.000	0.048	84.38	0.00	3.88	0.00	0.00	0.00



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