

Troller Hybride trans-océaniques

Naval Designer - Hydrostatic calculations
 ECOTROLL 49
 Architecte : Jean-Pierre BROUNS
 25 / 02 / 2010

Immerged hull
 Immerged volume [m3] 16.740
 Displacement in fresh water [Kg] 16 740
 Displacement in salt water [Kg] 17 178
 CB x [m] 0.0000
 CB y [m] 6.6420
 CB z [m] -0.265
 Sinkage (Volume for 1cm draught) [m3] 0.409

Wetted area
 Wetted area [m²] 130.00

Coefficients
 Prismatic Coeff 0.5200
 Block Coeff 0.3015
 Volumic Coeff (V/L sqr(3)) 0.0062
 Global fineness Coeff (L/V sqr(1/3)) 5.4513

Length Water Line LWL
 Length [m] 13.940
 Width [m] 3.9800
 Area [m²] 111.00
 Centre Area x [m] 0.0000
 Centre Area y [m] 5.8650
 Centre Area z [m] 0.0000

Master station
 Area [m²] 2.4500
 Centre Area x [m] 0.0000
 Centre Area y [m] 5.9100
 Centre Area z [m] -0.2160
 Max ratio [%] 40.076

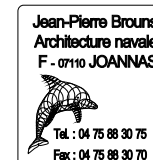
Drift area
 Area [m²] 13.4000
 Centre Area y [m] 6.7400
 Centre Area z [m] -0.5000



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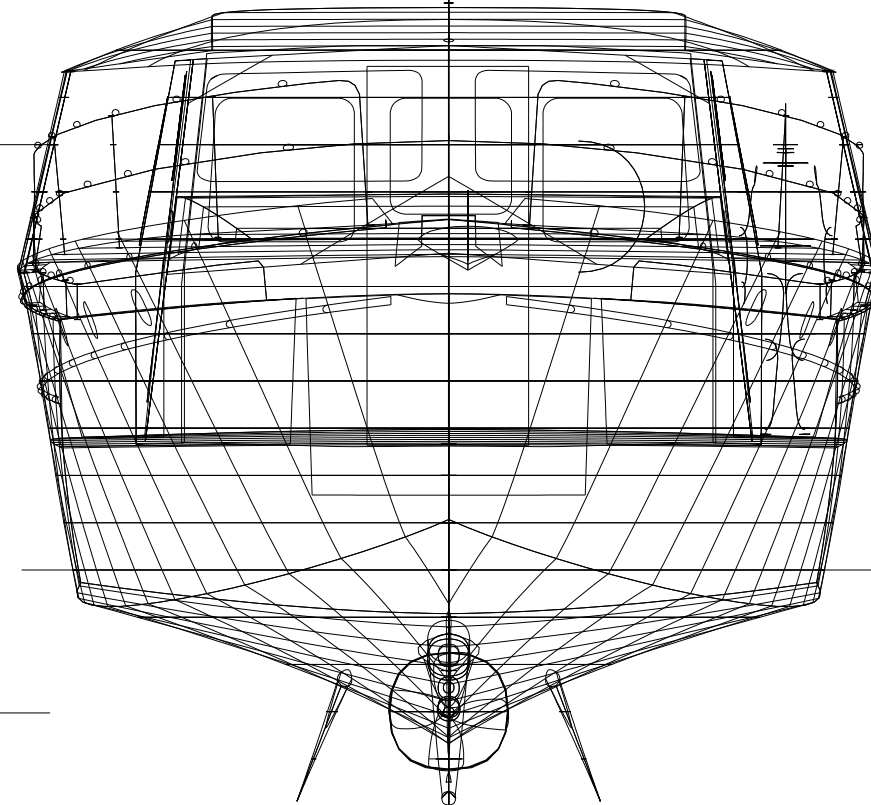
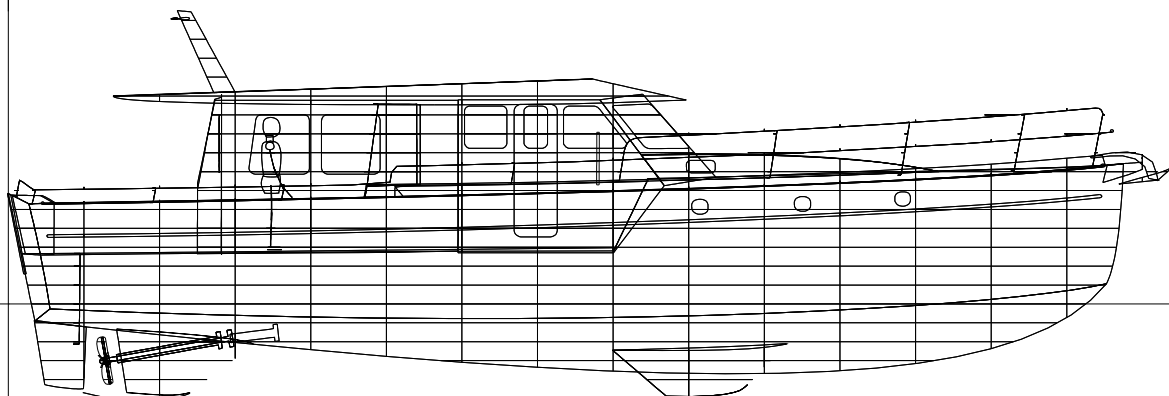
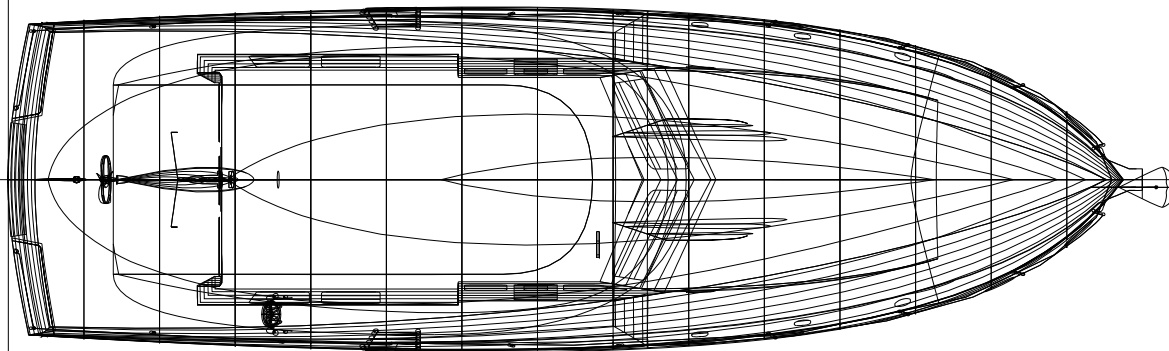
Avant-projet V.9

Coque en STRONGALL® de 12 et 15 mm



ECOTROLL 49
 Esquisse V9
 Présentation
 Synthèse

Formes
 Ecotroll 49
 Plan n° 01 AVF 9
 Le 30/03/2010



Avant-Projet V.8B SECTIONS

Epaisseur des tôles

FONDS	= 15 mm
MURAILLE	= 12 mm
TABLEAU	= 10 mm
PASSAVANTS	= 8 mm
ROOFS	= 6 mm
COCKPIT	= 6 mm
PARE BRISE	= 8 mm
Poids total aluminium	= 6.750 kg

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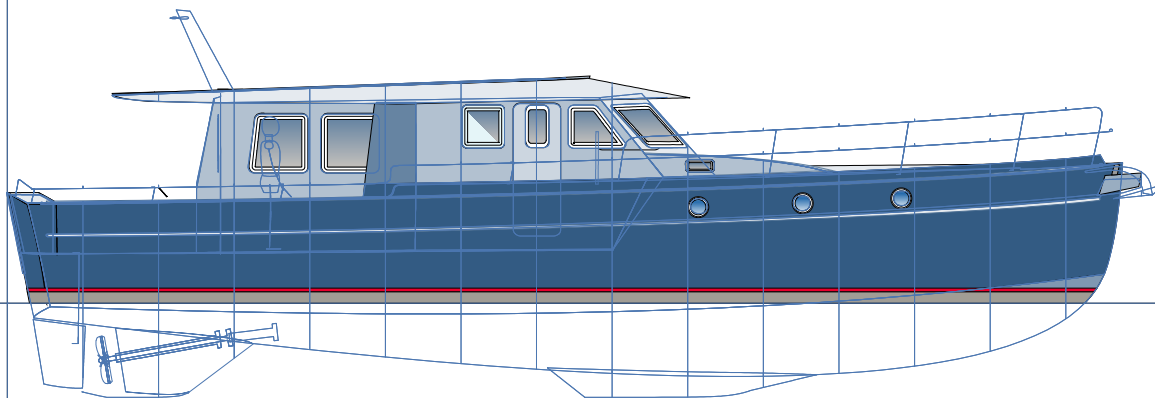
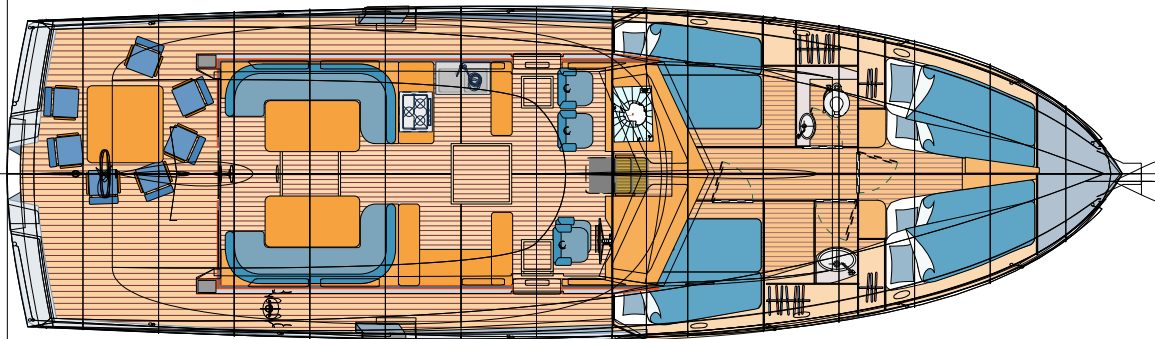
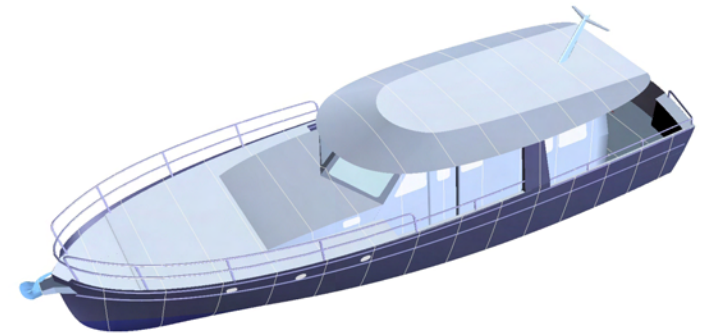
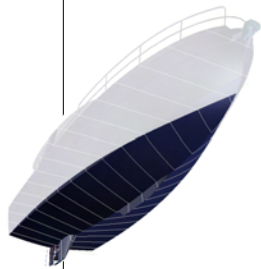


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Avant-Projet V9
Plan échelle
1/40

SECTIONS
Ecotroll 49
Plan n° 02 AVF 9
Le 30/03/2010

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Dimensions principales

Longueur de signalement	= 14 m 99
Largeur de signalement	= 04 m 46
Longueur flottaison statique	= 13 m 93
Largeur flottaison	= 03 m 93
Tirant d'eau aux plans	= 01 m 25
Tirant d'air aux plans	= 02 m 99

Poids et charges

Déplacement en charge moyenne	= 16.500 kg
Déplacement aux plans	= 17.070 kg
Poids approximatif à vide	= 11.900 kg
Déplacement maxi (FI + 100mm)	= 21.000 kg
Poids d'aluminium	= 6.750 kg
Poids du lest ou /et batteries	= 2.000 kg
Capacité GO	= 4.400 litres
Capacité eau douce	= 500 litres

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Esquisse V5 LONGITUDINALES

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Avant-Projet V8B
Plan échelle
1 / 100

Longitudinales
Amenagements
Ecotroll 49
Plan n° P 03 AVF 8B
Le 25 / 02 / 2010