

Stability Assessment Report



HPi Verification Services

The Recreational Craft Regulations 2017

Legislation reference SI 2017 no. 737 as amended: Schedule 1 A3.2 & A3.3

Assessment module A1: Internal production control plus supervised product testing

Report number HPIUK-R1329-002-I-01-00

Importer Carlo Lupi
 Ground Floor, The Custom House, The Strand
 Barnstaple, Devon
 EX39 2DS
 United Kingdom

Watercraft Model Hydrus 300

Description Inflatable, Inflatable - Motor - Outboard

No. of Hulls 1

Design Category C

Length (m) Max. (L_{MAX}): 3.08 Hull (L_H): 3.00

Beam (m) Max. (B_{MAX}): 1.55 Hull (B_H): 1.55

Maximum Load (kg) M_{ML} 285

Load on Builder's Plate	Category	Adults + Child	ISO 14945:2021	ISO 14945:2004
			Mass (m_{MBP} kg)	Mass (m_L kg)
	C	3 + 1	285	328

Max. mass of O/B motor 43 m_L includes O/B

Displacement (kg)	Load Condition		ISO 14945:2021	ISO 14945:2004
			Mass (kg)	Mass (kg)
	Empty Craft	m_{EC}	48	48
	Light Craft	m_{LC}	123	123
	Minimum Operating	m_{MO}	198	198
	Loaded Arrival	m_{LA}	408	408
	Maximum load	m_{LDC}	408	408

Location of Testing Newhaven, UK

Date of Inspection 29-Nov-22

Assessment Standard(s) EN ISO 6185-2:2018 Inflatable boats - Part 2: Boats with a maximum motor power rating of 4,5 kW to 15 kW inclusive

ISO 6185 Type of Inflatable Type V



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Assessment Results

Project Manager's Verdict

I have completed an evaluation of the stability and buoyancy characteristics of the Hydrus 300 and find that it/they satisfy the referenced requirements.

Bas Edmonds

Handwritten signature of Bas Edmonds in black ink.

06 December 2022

Project Reviewer's Verdict

The Hydrus 300 meets the relevant Essential Requirements of the RCR as shown above and Stability Report no. HPIUK-R1329-002-I-01-00 has been issued.

Alasdair Reay

Handwritten signature of Alasdair Reay in blue ink.

06 December 2022

Document History

This is the first issue.

Terms and Conditions

This Report can be used for all examples of this model, provided that they are produced in conformity with the specification assessed by HPIVS. HPIVS must be informed of any changes to the product that could invalidate this Report.

Marking of the Product(s)

The manufacturer may affix a UKCA mark to the end products only after they have satisfied themselves that the products have been produced in accordance with all the Essential Requirements of the Regulations. This module A1 Stability Assessment Report permits the manufacturer to show the Approved Body identification (1521) number on the watercraft.