

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-R1329-001-I-03-00		
Importer	Carlo Lupi Gound Floor, The Custom House, The Strand Barnstaple, Devon EX39 2DS UK		
Watercraft Model	Hydrus 400		
Description	Inflatable, Inflatable - Motor - Outboard		
No. of Hulls	1		
Design Category	C		
Length (m)	Max. (L_{MAX}):	4.00	Hull (L_H): 4.00
Beam (m)	Max. (B_{MAX}):	1.70	Hull (B_H): 1.70
Maximum Load (kg)	M_{ML}	500	
Load on Builder's Plate	Category	People	Mass (m_{MBP} kg)
	C	6	500
Max. mass of motor (kg)	71.5		
Displacement (kg)	Empty Craft Condition	m_{EC}	82
	Light Craft Condition	m_{LC}	182
	Minimum Operating Condition	m_{MO}	257
	Loaded Arrival Condition	m_{LA}	732
	Maximum load Condition	m_{LDC}	732
Location of Testing	Newhaven, UK		
Date of Inspection	15-Jun-22		
Assessment Standard(s)	EN ISO 6185-3:2018 Inflatable boats with hull length < 8 m with a motor \geq 15 kW		
ISO 6185 Type of Inflatable	Type VII		



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Assessment Results

Project Manager's Verdict I have completed an evaluation of the stability and buoyancy characteristics of the Hydrus 400 and find that it/they satisfy the referenced requirements.

Bas Edmonds

07 July 2022

Project Reviewer's Verdict The Hydrus 400 meets the relevant Essential Requirements of the RCR as shown above and Stability Report no. HPiUK-R1329-001-I-03-00 has been issued.

Alasdair Reay

07 July 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.