

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-02-00		
Importer	Carlo Lupi Groud Floor, The Custom House, The Strand Barnstaple, Devon EX39 2DS United Kingdom		
Watercraft Model	Hydrus 420		
Description	Inflatable, Inflatable - Motor - Outboard		
No. of Hulls	1		
Design Category	C		
Length (m)	Max. (L _{MAX}): 4.25	Hull (L _H): 4.20	
Beam (m)	Max. (B _{MAX}): 2.02	Hull (B _H): 2.02	
Maximum Load (kg)	M _{ML}	600	
Load on Builder's Plate	Category	People	ISO 14945:2021 Mass (m _{MBP} kg)
	C	7	600
			ISO 14945:2004 Mass (m _L kg)
			678
Max. mass of O/B motor			78
			m _L includes O/B
Displacement (kg)	Load Condition		ISO 14945:2021 Mass (kg)
	Empty Craft	m _{EC}	88
	Light Craft	m _{LC}	193
	Minimum Operating	m _{MO}	268
	Loaded Arrival	m _{LA}	793
	Maximum load	m _{LDC}	793
			ISO 14945:2004 Mass (kg)
			88
			193
			268
			793
			793
Location of Testing	Newhaven, UK		
Date of Inspection	29-Nov-22		
Assessment Standard(s)	EN ISO 6185-3:2018 Inflatable boats with hull length < 8 m with a motor ≥ 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 420 and find that it/they satisfy the referenced requirements.

Bas Edmonds

06 December 2022

Project Reviewer's Verdict The Hydrus 420 meets the relevant Essential Requirements of the RCR as shown above and Stability Report no. HPIUK-R1329-002-I-02-00 has been issued.

Alasdair Reay

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.

