

EU TYPE-EXAMINATION CERTIFICATE

No. VTT-C-12376-10-Vene-001-18

Boat model	Swan 78										
Boat type	Fully enclosed sailing boat Lh = 23.99 m, fixed keel and telescopic keel versions										
Conformity assessment module used	B (EU type-examination)										
Manufacturer / Orderer and address	Oy Nautor Ab PL 10 68601 Pietarsaari										
Applied rules	Recreational Craft Directive 2013/53/EU, annex I.A, Essential requirements. The extent of the examination and the inspection methods are described on the back page.										
Base documents	VTT-S-02999-18 Swan 78 standard specification, General arrangement drawings, Swan 78 sail plan, Boat Data Form (Type Examination Report)										
Conclusions of the examination	The examined boat type complies with the Essential requirements in the Directive 2013/53/EU, annex I.A, with the following restrictions: <table><tr><td>Boat design category</td><td>A</td></tr><tr><td>Persons max.</td><td>24</td></tr><tr><td>Max. load</td><td>9230 kg</td></tr><tr><td>Max. load on Builder's plate</td><td>5100 kg</td></tr><tr><td>Engine power max.</td><td>170 kW</td></tr></table>	Boat design category	A	Persons max.	24	Max. load	9230 kg	Max. load on Builder's plate	5100 kg	Engine power max.	170 kW
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Espoo, 15.6.2018
VTT Expert Services Ltd
Notified body no. 0537



Markus Laxén
Boat Inspection Manager



Max Johansson
Product Manager

Essential requirements:		Used examination methods 1)	Examined 2)
	General requirements		
	Principal data	EN ISO 8666:2002	X
A2.1	Watercraft identification	ISO 10087:2006	X
A2.2	Builder's plate	EN ISO 14945:2004	X
A2.5	Owner's manual	EN ISO 10240:2004/A1:2015	X
	Arrangement and equipments		
A2.3	Protection from falling overboard	EN ISO 15085:2003/DAM 2.3.2	X
A3.7	Life raft stowage	RSG Guidelines	X
A3.8	Escape	EN ISO 9094:2017	X
A3.9	Anchoring, mooring and towing	EN ISO 15084:2003	X
A5.7	Navigation lights, shapes and sound signals	1972 COLREG	X
A5.8	Discharge prevention	EN ISO 8099:2000	X
	Installations		
A5.1	Engines and engine compartments	EN ISO 11105:2017	X
A5.2	Fuel system	EN ISO 10088:2017, EN ISO 21487:2012 + A2:2015	X
A5.3	Electrical system	EN ISO 10133:2017, EN ISO 13297:2017	X
A5.4	Steering system	ISO 8847:2017	X
A5.5	Gas system		-
A5.6	Fire protection	EN ISO 9094:2017	X
	Structural requirements		
A3.1	Structure	DNV-GL Classifications Rules for Yachts October 2016	X
	Hydrostatic		
A3.2	Stability and freeboard	EN ISO 12217-2:2017	X
A3.3	Buoyancy and flotation	EN ISO 12217-2 :2017	X
A3.6	Manufacturer's max. recommended load	EN ISO 14946:2001/AC 2005	X
A3.4	Openings in hull, deck and superstructure	EN ISO 9093-1:1997, EN ISO 9093-2:2002, EN ISO 12216:2002	X
A3.5	Flooding	EN ISO 11812:2001, EN ISO 15083:2003, ISO 8849:2003	X
	Handling characteristics		
A4	Handling characteristics		-
A2.4	Visibility from the main steering position	ISO/FDIS 11591:2015	X
B1	Exhaust emissions from propulsion engines	Engine CE-marked	X
C1	Noise emissions	RCD Annex IC	X

1) The examinations are carried out by using examination methods and standards that are relevant for the product in question. Later changes due to new standard versions are handled as updates to this Type examination certificate.

2) X = Examined and approved, - = This part of examination is not relevant for the product in question, v = the examination is not included in the conformity assessment module used.

The manufacturer that uses conformity assessment modules B+C, B+D, B+E or B+F shall inform the notified body that holds the technical documentation concerning the EU Type-examination certificate of all modifications to the approved product which must receive additional approval where such changes may affect the conformity with the essential requirements or the prescribed conditions for use of the product.

The manufacturer or his authorized representative shall keep the notified body that has approved the quality system informed of any intended updating of the quality system.

This document relates only to the EU Recreational Craft Directive. Different directives or legislation may apply to other components fitted onboard the watercraft. It is the responsibility of the person signing the declaration of conformity to ensure such components are compliant with all applicable legislation