

**DANCERT****DANISH TECHNOLOGICAL
INSTITUTE**

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CVR no. DK-29512094

EU-notified body No. 1073

EC Type-examination Certificate

No. DAN-25-MD-0528

In compliance with Directive 2006/42/EC of the European Parliament and of the Council of 17 May 2006 as amended (the Machinery Directive, MD) this EC Type-examination Certificate applies for

Machine type: ActSafe Ascender TCXII
Model: POA-011, POA-013
Designated standard: DS/EN 1808:2015
Manufacturer: Skylotec Nordic AB
Sagbäckvägen 13, 43731, Lindome
Sweden

This EC Type-examination Certificate attests that a representative model of the above-mentioned machinery type has been found to be covered by Annex IV of the Machinery Directive and to satisfy the provisions of the Essential Health and Safety Requirements of the Machinery Directive, Annex I, applicable to the machinery type.

This EC Type-examination Certificate, which has been issued in compliance with the provisions of Annex IX, article 12, 3b and 4a of the Machinery Directive, will remain valid until the date below, provided that neither the machinery type nor the provisions of the Machinery Directive are modified significantly, unless suspended or withdrawn by Dancert.

The Type-examination Certificate is valid from 2025-10-03 through 2030-10-02

The Type-examination Certificate was first issued on 2025-10-03

The validity of the Type-examination Certificate can be verified by contacting Dancert A/S

Dancert, Lars Bennedsen, CEO

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Appendix to EC Type-examination Certificate nr. DAN-25-MD-0528

Essential Health and Safety Requirements

The ActSafe Ascenders TCXII Seal Assault and TCXII Urban Assault have passed the review of documentation in the Technical File, evaluation of the Machinery Directive EHSR and relevant part of EN 1808 along with execution of tests and the result of those.

Used parts of EN 1808:2015: 8.1.2, 8.1.4, 8.1.5, 8.1.6, 8.3.2, 8.3.4, 8.5.1, 8.9.1. Static test, dynamic test, and strength test according to DS/EN 1808:2015 Annex B.

Report Number

Assessment report DAN-25-MD-0528

Machinery Directive Annex IV Category

17. Devices for the lifting of persons or of persons and goods involving a hazard of falling from a vertical height of more than three meters.

Machinery - Technical specifications:						
Model (s)	TCXII Seal Assault POA-011	TCXII Urban Assault POA-013				
MD Annex IV Category	17					
Machine classification	-					
Required marking and/or specifikation						[unit]
Non-loaded mass	14.7	14.7				kg
Platform Capacity (SWL/WLL)/Number of persons	150 / 1	150 / 1				kg/person
Maximum allowable wind speed	12	12				m/s
Max chassis inclination (forward/back - sideways)	-	-				Degrees
Electric system	54	54				Volt DC
Temperature range	-10 to +40	-10 to +40				°C
Ascent speed	0-100	0-100				m/min
Descent speed	0-100	0-100				m/min
Emergency descent speed	0-100	0-100				m/min
IP-rating	IP68	IP67				

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Equipment & accessories	
Remote Control	Range up to 150m - Radio frequency 2.4 GHz
Rope ¹⁾	The ActSafe Ascenders TCXII Seal Assault and TCXII Urban Assault must only be used with ropes approved according to EN1891A or approved for use with the Ascender by SKYLOTEC. The backup system must fulfill the respective requirements for backup systems.
PPE	The TCXII Seal Assault and TCXII Urban Assault Ascenders, when used to lift people, must be used with personal protective equipment approved for work at height, rope access and/or rope rescue
Limitations in use	
Lightning	Not to be used in weather conditions with risk for lightning
Potentially explosive atmospheres	Not ATEX approved to be used Potentially explosive atmospheres (Ex area)
Under ground	Not to be used in mines or underground quarries
Police and military	The ActSafe Ascenders TCXII Seal Assault and TCXII Urban Assault are specially developed for use by police and military personnel. According to Article 1(2)(a) of the Machinery Directive 2006/42/EC, "machinery specially designed and constructed for military or police purposes" is excluded from the scope of the directive. Therefore, this EC Type Examination Certificate does not apply to the equipment when used in such police or military operations. However, the equipment is also used in contexts such as training, controlled rescue scenarios, and similar applications that fall within the scope of the Machinery Directive. In these circumstances, it is considered appropriate and relevant to affix the CE marking. The design of the equipment includes deviations from harmonized standards, including the omission of an emergency stop function, the ability to deactivate the power indicator, the ability to use a wider selection of ropes and an extended travel speed capability. These features are aligned with operational requirements for specialized field use and are considered in the scope of this certification solely in the context of training and rescue operations under the Machinery Directive.

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1) Ropes tested and approved by SKYLOTEC to be used with TCXII

Rope	Manufacturer	Sheath	Core	Approval	MBS [kN]	Diameter [mm]	Restrictions for use
Generic EN1891A				EN1891A			No
Ocean Vectran	Teufelberger	Polyester/ Twaron	Vectran		22.0	6	WLL 150 kg
Escape Line	Teufelberger	Technora	Technora	NFPA 1983:2012	27.8	7.5	WLL 150 kg
ActSafe Assault	Blue Water	Polyamide	Dyneema		36.0	9.0	WLL 150 kg
Vulcanus	Teufelberger	Technora	Polyamide	EN 1891B	21.0	9	WLL 150 kg
Vulcanus	Teufelberger	Technora	Nylon	EN 1891A	32.0	10.5	No
Patron+	Teufelberger	Polyamide	Polyamide	EN 1891A	33.0	11	No

Revisions EC Type-examination Certificate

Project No.	Description	Revision No.	INT.	Date
-	DAN-25-MD-0528 is a prolongation of the DTI Type-examination certificate TI-19-MD-0484 rev 03	00	FFY	010925