

TRANSLATION

(1) **EC-Type Examination Certificate**

(2) Directive 2006/42/EC of the European Parliament and of the Council on Machinery

(3) No. of EC-Type Examination Certificate: **ZP/C028/19 R1**(4) Product: **Ladder-guided service lift type TOPlift L+ edition**(5) Manufacturer: **Hailo Wind Systems GmbH & Co. KG**(6) Address: **Kalteiche-Ring 18, 35708 Haiger, Germany**

(7) The design and construction of this machine and any acceptable variation thereto are specified in the schedule to this type examination certificate.

(8) The certification body of DEKRA Testing and Certification GmbH, Notified Body No. 0158 according to Article 14 of Directive 2006/42/EC of the European Parliament and the Council of 17 Mai 2006, certifies that this machine has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of machinery, given in Annex I to the Directive. The examination and test results are recorded in the test and assessment report 20190144 and 20190812.

(9) The Essential Health and Safety Requirements are assured by compliance with

DIN EN ISO 12100:2011 DIN EN 349:1993 + A1:2008 DIN EN ISO 13857:2008**DIN EN ISO 13849-1:2016 DIN EN ISO 13849-2:2013 DIN EN ISO 13850:2016****DIN EN 1808:2015****and under consideration of****DIN EN 81-43:2009**

(10) This EC-Type Examination Certificate relates only to the design, examination and tests of the specified equipment in accordance to Directive 2006/42/EC. Further requirements of the Directive apply to the manufacturing process and supply of this equipment. These are not covered by this certificate.

(11) The manufacturer is authorised to apply the CE Marking to the machines that conform to the types examined.



(12) This EC-Type Examination certificate is valid until 2024-08-29.

DEKRA Testing and Certification GmbH
Bochum, 2019-10-28

signed: Kilisch
Managing Director

We confirm the correctness of the translation from the German original. In the case of arbitration only the German wording shall be valid and binding.

Managing Director

TRANSLATION

- (13) Appendix to
- (14) **EC-Type Examination Certificate**
ZP/C028/19 R1
- (15) 15.1 Subject and Type

Ladder-guided service lift type TOPlift L+ edition

15.2 Description

The ladder-guided service lift is used exclusively for the transport of persons including working material or for the transport of material to the higher workplace inside tower-like enclosed structures.

15.3 Parameters**Fall arrester**

Manufacturer:	Hailo Windsystems GmbH & Co. KG Kalteiche-Ring 18 35708 Haiger, Germany
Type:	HWL608CE
Year of manufacture:	07/2018
Release speed:	42 m/min
Load capacity:	up to 600 kg
Manufacturer wire rope type 1:	Pfeifer Drako 5 x 19S SFC 1960 B sZ with blue strand / fibre core, cross lay right
Manufacturer wire rope type 2:	DWH Drahtseilwerk Hemer 5 x K19S SFC 1960 B sZ Cross section compacted (hammering method) with green strand
Rope diameter:	8.4 mm
Manufacturer wire rope type 3:	DWH Drahtseilwerk Hemer DWH 8,2 5x26WS SFC 2400 B sZ
Breaking load:	56.35 kN
Rope diameter:	8.2 mm

Wire rope hoist

Manufacturer:	Hailo Windsystems GmbH & Co. KG Kalteiche-Ring 18 35708 Haiger
Type:	HW608CE18
Labelling:	Electric wire rope hoist
Max. operating load:	600 kg
Safeguard:	Overload limitation

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This certificate may only be published in its entirety and without any change.



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TRANSLATION

Working speed:	50/60 Hz 18/22 m/min
Manufacturer wire rope type 1:	Pfeifer Drako 5 x 19S SFC 1960 B sZ with blue strand / fibre core, cross lay right
Manufacturer wire rope type 2:	DWH Drahtseilwerk Hemer 5 x K19S SFC 1960 B sZ Cross section compacted (hammering method) with green strand
Rope diameter:	8.4 mm
Manufacturer wire rope type 3:	DWH Drahtseilwerk Hemer DWH 8,2 5x26WS SFC 2400 B sZ
Breaking load:	56.35 kN
Rope diameter:	8.4 mm
Electrical power:	2.2 kW
Rated current:	4.5 A
Rated voltage /frequency:	400 V AC / 50/60 Hz

Service lift variant 1

Manufacturer:	Hailo Windsystems GmbH & Co. KG Kalteiche-Ring 18 35708 Haiger, Germany
Type:	TOPlift L3+ edition
Load capacity:	300 kg
Passenger service:	max. 3 persons
Control system:	by push-button on/in cabin
Temperature range at work:	-20°C to +50°C
Protection class:	IP 54
Measurements (corpus):	2790 x 1200 x 962 mm
Min. space required to drive through the cabin at the platform:	1300 mm x 1080 mm
Dimensioning of the suspension structure:	27 kN

Service lift variant 2

Manufacturer:	Hailo Windsystems GmbH & Co. KG Kalteiche-Ring 18 35708 Haiger, Germany
Type:	TOPlift L2+ edition
Load capacity:	250 kg
Passenger service:	max. 2 persons
Control system:	by push-button on/in cabin
Temperature range at work:	-20°C to +50°C

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TRANSLATION

Protection class:	IP 54
Measurements (corpus):	2790 x 800 x 962 mm
Min. space required to drive through the cabin at the platform:	930 mm x 1080 mm
Dimensioning of the suspension structure:	27 kN

Service lift variant 3

Manufacturer:	Hailo Windsystems GmbH & Co. KG Kalteiche-Ring 18 35708 Haiger, Germany
Type:	TOPlift L1+ edition
Load capacity:	250 kg
Passenger service:	max. 2 persons
Control system:	by push-button on/in cabin
Temperature range at work:	-20°C to +50°C
Protection class:	IP 54
Measurements (corpus):	2790 x 950 x 962 mm
Min. space required to drive through the cabin at the platform:	1080 mm x 1080 mm
Dimensioning of the suspension structure:	27 kN

(16) 20190144, 30.08.2019
20190812, 25.10.2019

(17) Special Conditions for Safe Use

The service lift may only be placed on the market with valid certificates for the fall arrester (certificate number ZP/C035/16) and the wire rope hoist (certificate number ZP/C034/16).