LIFTINSTITUUT

PRODUCTS
RvA C 067

EU-TYPE EXAMINATION CERTIFICATE

Issued by Liftinstituut B.V.
identification number Notified Body 0400,
commissioned by Decree no. 2018-0000125182

Certificate no.	: NL07-400-1002-100-01	Revision no.: 6
Description of the product	: Progressive safety gear for cold drawn and machined guide rails with dry or lubricated surface; up, down or bi-directional	
Trademark	: Cobianchi	
Type no.	: PC24DA / PC24DO / PC24UP / PC24GA / PC24GO, PC24GU, PC24GA-F, PC24GO-F und PC24GU-F	
Name and address of the manufacturer	: Cobianchi Liftteile AG Weststrasse 16 CH-3672 Oberdiessbach, Switzerland	
Name and address of the certificate holder	: Cobianchi Liftteile AG Weststrasse 16 CH-3672 Oberdiessbach, Switzerland	
Certificate issued on the following requirements	: Lifts Directive 2014/33/EU	
Certificate based on the following standard	: EN 81-20:2014, EN 81-50:2014 EN 81-1:1998 + A3:2009, EN 81-2:1998 + A3:2010	
Test laboratory	: Testtower Cobianchi Liffteile AG Thun, Switzerland	
Date and number of the laboratory report	: December 10, 2010 / Test report NL 07-400-1002-100-01	
Date of EU-type examination	: August 2010 – December 2010, October 2013, September 2015, March 2016, November 2019 – May 2020	
Additional document with this certificate	: Annex belonging to the EU-type examination certificate no.: NL07-400-1002-100-01 Rev. 6	
Additional remarks	: See Annex. This revision replaces certificate NL07-400-1002-100-01 rev. 5 of 31-3-2016	
Conclusion	: The safety component meets the requirements of the Lifts Directive 2014/33/EU taking into account any additional remarks mentioned above.	

Amsterdam

Date : 27-05-2020
Valid until : 27-05-2025

ing. P.J. Peeters
Manager Certification

Certification decision by

Annex of EU-type examination certificate NL07-400-1002-100-01

Date of original certificate : October 11th, 2007
Revision number / date : 6 / May 27th, 2020
Project number : P190357

1. Description

1.1 General:

maximum tripping speed	:	3.5 m/s
guide rails	:	Machined / cold drawn
guide rail thickness	:	9 – 20 mm
minimum gripping width on guide rail	:	30 mm
lubrication means (oil) of quality	:	HLP-oils, (DIN 51524, Part 2)
Standard safety gear	:	PC24DA / PC24DO / PC24UP / PC24GA / PC24GO / PC24GU,
Freeze safety gear (-40°C)	:	PC24GA-F / PC24GO-F / PC24GU-F

1.2 Permissible total mass for safety gear operation:

		Min. – max. total mass	
Guide rail surface		**Standard**	**Freeze -40°C**
Dry cold drawn guide rails	:	1201 – 4100 kg	1201 – 3000 kg
Oiled cold drawn guide rails	:	1192 – 3700 kg	
Dry machined guide rails	:	1169 – 5498 kg	1169 – 4000 kg
Oiled machined guide rails	:	1118 – 5300 kg	

1.3 Brake force allowed for ascending car overspeed protection:

		Min. – max. brake force	
Guide rail surface		**Standard**	**Freeze -40°C**
Dry cold drawn guide rails	:	19216 – 65600 N	19216 – 48000 N
Oiled cold drawn guide rails	:	19072 – 59200 N	
Dry machined guide rails	:	18704 – 87968 N	18704 – 64000 N
Oiled machined guide rails	:	17888 – 84800 N	

See annex 1 for a general overview of the product.

2. Conditions

Additional to, or in deviation of the applicable demands in the considered requirements / standards (see certificate and/or page 1 of this report), the following conditions shall be taken into account:

- The safety gear and/or ascending safety device shall be adjusted according the specific load graphs related to μ-factor, bending of the housing and spring compression.
- The safety gear shall be activated by an overspeed governor fulfilling the requirements of EN 81-20 chapter 5.6.2.2.1 (e.g. max. nominal speed 2.7 m/s).
- The mass stated may differ 7.5% from the mass adjustment (EN 81-50 5.3.4).

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- The braking force for the lift shall be adjusted in such a way that it will not allow a retardation of the empty car up in excess of 1 g_n during the stopping phase.
- In case of upward braking it must be assured that the construction of the guide rails is capable to withstand the forces applied.
- The maintenance instructions shall be provided with the safety component.

The safety gear can be used as stopping element as part of a protection means against unintended car movement.

  - The safety gear and overspeed governor combination shall ensure that the values required by EN 81-20 clauses 5.6.7.5 are not exceeded.
  - The operation distance of the safety gear is 13.7 mm maximum and the maximum tripping speed is 2.0 m/s.
  - These values shall be verified by the installer of the complete lift.
  - The safety gear will activate even with very low speeds.
- The safety gear can be adopted for the use on EN 81-77 compliant lifts, to comply with 5.4.2 of the EN 81-77 the safety gear shall be fitted with additional retainer on each housing to prevent accidental tripping.
- For low temperatures indicated with an F in the type indication an other housing is used this will be indicated with the words Freeze on the housing. The safety gear can only be used on dry guide rails and within the range as indicated in chapter 1. The safety gear is safe to use up to -40°C.

3. Conclusions

Based upon the results of the EU-type examination Liftinstituut B.V. issues an EU-type examination certificate.

The EU-type examination certificate is only valid for products which are in conformity with the same specifications as the type certified product. The EU-type examination certificate is issued based on the requirements that are valid at the date of issue. In case of changes of the product specifications, changes in the requirements or changes in the state of the art, the certificate holder shall request Liftinstituut B.V. to reconsider the validity of the EU-type examination certificate.

4. CE marking and EU Declaration of conformity

Every product that is placed on the market in complete conformity with the examined type must be provided with a CE marking according to art. 18 of the Lift directive 2014/33/EU under consideration that conformity with eventually other applicable Directives is proven. Also every product must be accompanied by an EU declaration of conformity according to annex II of the Directive in which the name, address and the Notified Body identification number of Liftinstituut B.V. shall be included as well as the number of the EU type-examination certificate.

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An EU-type certified safety component shall be random checked, for example according to annex IX of the Lift directive 2014/33/EU before these safety components may be CE-marked and may be placed on the market. For further information on random checking by Liftinstituut, see regulation 2.0.1 'Regulations for product certification' on www.liftinstituut.com.

Prepared by:

R.E. Kaspersma
Product Specialist Certification
Liftinstituut

Certification decision by:

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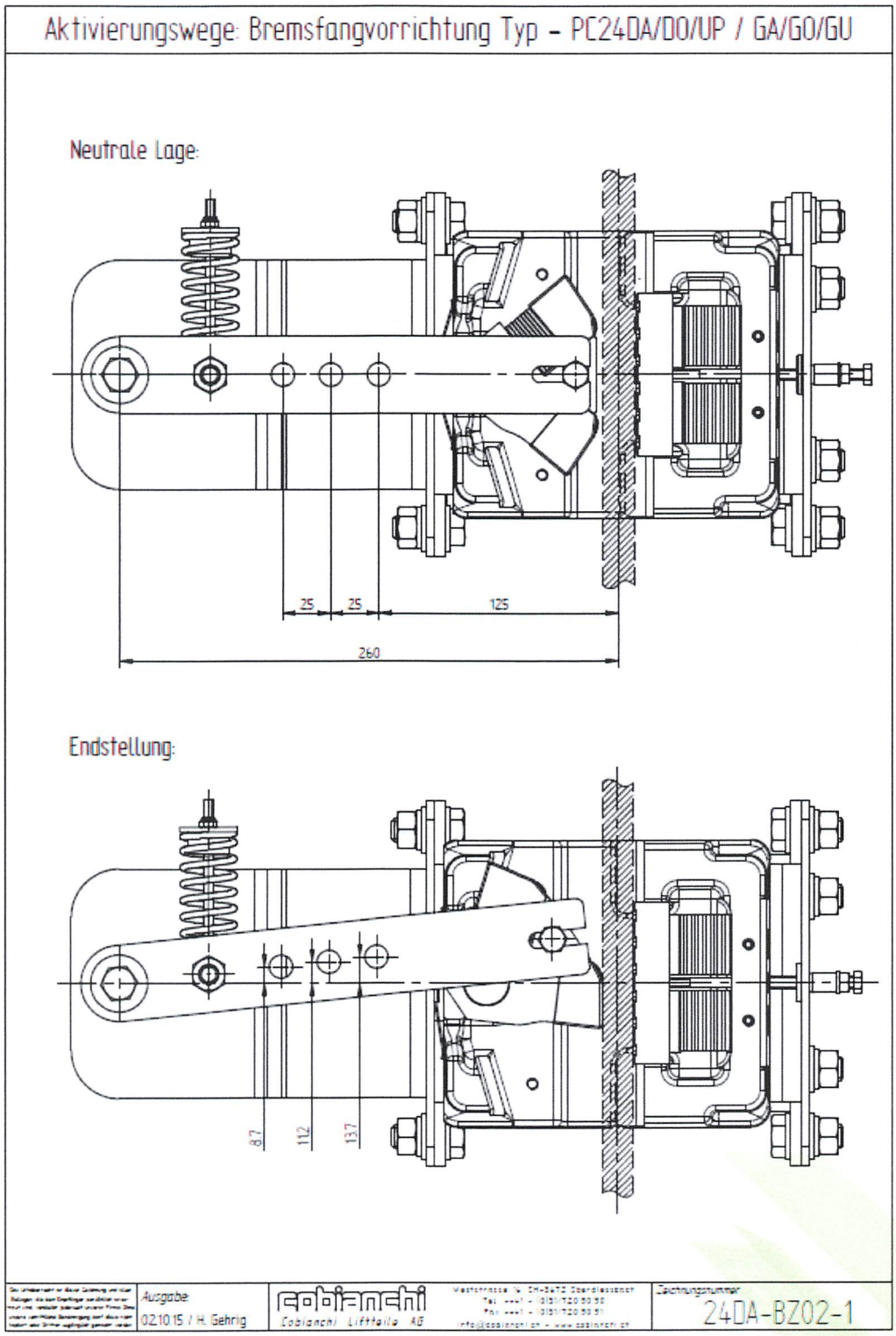
Annex 1. General overview of the product



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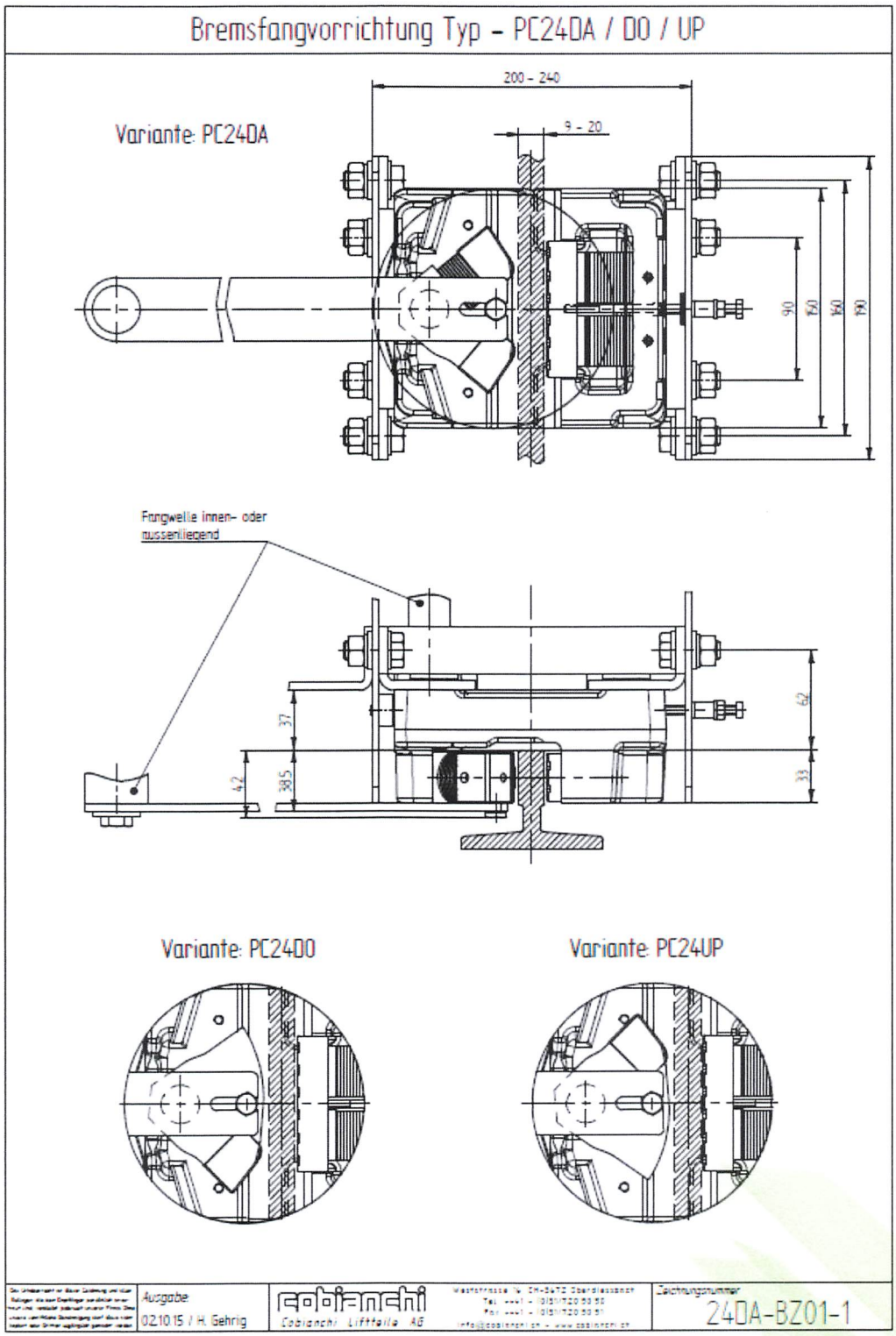

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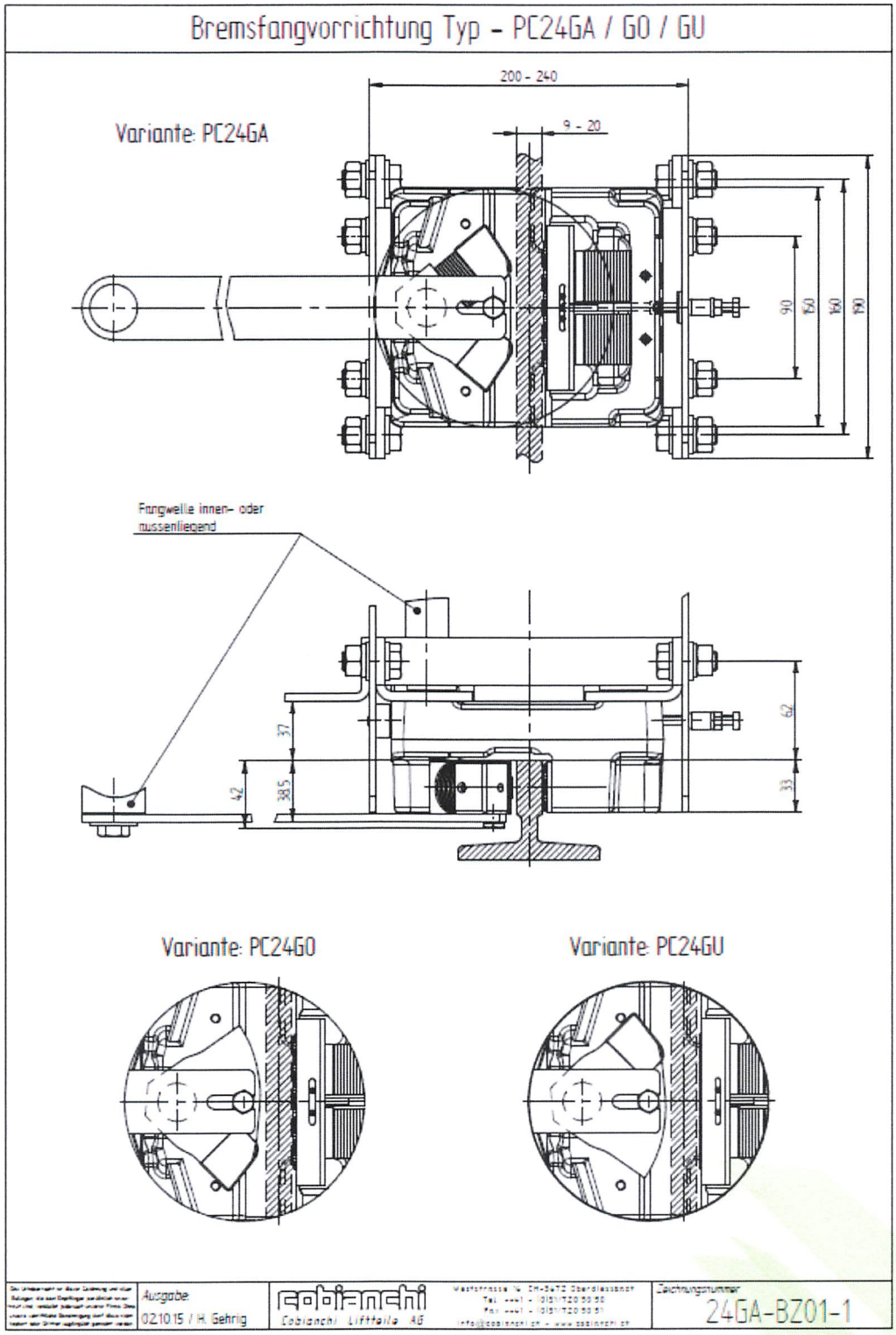

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Annex 2. Revision of the certificate and its annex

Rev.:	Date	Summary of revision
-	October 11th, 2007	Original
1.1	March 25th, 2009	Editorial changes, new report and annex layout and updated drawings and graphs
2	December 10th, 2010	New brake element
3	October 10th, 2013	Introduction of sliding shoe
4	September 25th, 2015	Adoption of EN 81-20/50
5	March 31st, 2016	Update to 2014/33/EU
6	May 27th, 2020	Update to include Freeze version (-40°C)

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