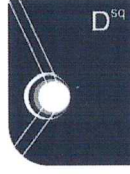


# RESULTS OF CONFORMITY TO TYPE WITH RANDOM CHECKING FOR SAFETY COMPONENTS FOR LIFTS



Report Nr: LDsq09-0405-0145-22

File Nr: LD.IX.0032



## D KARE GÖZETİM TEST VE BELGELENDİRME TİC. LTD. ŞTİ.

Cevizli Mah. Hızır Reis Sk. Dragos Park Plaza No:10 D:19 Maltepe - İSTANBUL  
Tel: 0216 290 1678 Fax: 0216 290 16 79 Web: [www.dsq.com.tr](http://www.dsq.com.tr)

### 2014/33/EU LIFT DIRECTIVE 2014/33/ EU ANNEX IX

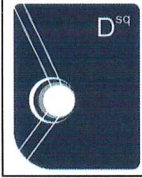
COMPANY INFORMATION	
Title of Applicant	MKL ASANSÖR OTOMOTİV İNŞAAT NAKLİYE SANAYİ VE TİCARET LİMİTED ŞİRKETİ
Address of Applicant	FEVZİÇAKMAK MAH. 10728. SOK. NO:4/1 – KARATAY / KONYA
Title of Manufacturer	MKL ASANSÖR OTOMOTİV İNŞAAT NAKLİYE SANAYİ VE TİCARET LİMİTED ŞİRKETİ
Address of Manufacturer	FEVZİÇAKMAK MAH. 10728. SOK. NO:4/1 – KARATAY / KONYA

INFORMATION OF OVERSPEED GOVERNORS	
EU Type Examination Certificate Nr.	LDsq08-0724-0035-20
Product Description	Overspeed limitation devices
Rated Speed (m/s)	0.63 - 0.80 - 1.00 - 1.20 - 1.60 - 2.00 - 2.50
Tensile Force in the Rope Produced by the Overspeed Governor (N)	>300 N
Serial Numbers	MKL-A3-1 (1040), MKL-CH-2 (0038), MKL-MD-3 (0402), MKL-A3-5 (1333)
Types	MKL-CH / MKL-A3 / MKL-MD
Models	MKL-CH-1, MKL-CH-2, MKL-CH-3, MKL-CH-4, MKL-CH-5, MKL-CH-6, MKL-CH-7 MKL-A3-1, MKL-A3-2, MKL-A3-3, MKL-A3-4, MKL-A3-5, MKL-A3-6, MKL-A3-7 MKL-MD-1, MKL-MD-2, MKL-MD-3, MKL-MD-4, MKL-MD-5, MKL-MD-6, MKL-MD-7

CONFORMITY ASSESSMENT INFORMATION			
Conformity Assessment Date	04.04.2022	Conformity Assessment Standards	EN 81-20:2020 EN 81-50:2020

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Sayfa 1 / 6



# RESULTS OF CONFORMITY TO TYPE WITH RANDOM CHECKING FOR SAFETY COMPONENTS FOR LIFTS



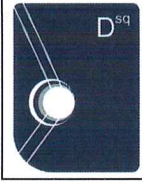
Report Nr: LDsq09-0405-0145-22

ELECTRICAL SAFETY DEVICE INFORMATION			
Type	MLP 25212 / MLC 25100		
Manufacturer	MOMENTUM	Number of Certificate / Test Report	---
Current / Voltage	240 V / 3A / 240 V / 4A	Protection of Electrical Safety Device	IP 66 / IP 50

A. CONFORMITY OF TECHNICAL DOCUMENTATION AND TYPE TO TECHNICAL DOCUMENTATION	
Technical file content	Results on the compliance of the inspected safety component with the technical file criteria (Type Examination)
Evidence documents showing equivalent solutions in case of deviation from the harmonized standard. If necessary, these documents should also show the results of the experiment.	Deviation does not exist
General description of the lift safety component, including possible limits for the area of use, especially speed, load and power, and explosive environmental and hazard exposure conditions.	KALKAN Overspeed Governer Assemblt Manuel and User Manuel
Design and manufacturing drawing or scheme.	The following technical drawings have been examined <ul style="list-style-type: none"><li>• General technical drawings</li><li>• Detailed draewings of compenents</li><li>• Drawing of coil</li><li>• Kalkan Overspeed Governer assembly and quality records</li></ul>
Necessary explanation for understanding the drawings and diagrams of the lift safety components.	KALKAN Overspeed Governer Assemblt Manuel and User Manuel
Descriptions of the solutions adopted to meet the requirements mentioned in Annex I of 2014/33 / EU, including a list of harmonized standards and a list of other relevant technical specifications applied when harmonized standards are not applied. If the harmonized standards are partially applied, the parts applied in the technical file are indicated.	Deviation does not exist.
Design calculations made or made by the manufacturer.	See. experiment results Kalkan Overspeed Governer assembly and quality records
Test Results	It is given in part B of this report.
A copy of the installation instruction that belongs to the lift safety assembly.	KALKAN Overspeed Governer Assemblt Manuel and User Manuel
Measures taken at the manufacturing stage to ensure that the lift safety assembly manufactured in series conforms to the lift safety component examined.	Production control records
Eu Declaration of Conformity sample	Sample declaration of conformity was seen.

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# RESULTS OF CONFORMITY TO TYPE WITH RANDOM CHECKING FOR SAFETY COMPENENTS FOR LIFTS



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## B. CONTROLS, TESTS AND RESULTS

### 1- TEST OF TRIPPING SPEED (TS EN 81-50 / 5.4.2.2)

At least twenty tests have been made in the speed range for tripping corresponding to the range of rated speeds of the lift. The majority of tests have been made at the extreme values of the range. The acceleration to reach the tripping speed of the overspeed governor has been as low as possible, in order to eliminate the effects of inertia.

TYPE		SERIAL NR		RATED SPEED	
MKL-A3-1		1040		0,63 m/s	
Number of Test	Tripping Speed (Up and Down - m/s)	Operation of Electrical Safety Device	Number of Test	Tripping Speed (Up and Down - m/s)	Operation of Electrical Safety Device
1	0,88	OK	11	0,92	OK
2	0,88	OK	12	0,92	OK
3	0,91	OK	13	0,92	OK
4	0,85	OK	14	0,91	OK
5	0,86	OK	15	0,91	OK
6	0,88	OK	16	0,94	OK
7	0,90	OK	17	0,93	OK
8	0,89	OK	18	0,92	OK
9	0,90	OK	19	0,91	OK
10	0,89	OK	20	0,94	OK

TYPE		SERIAL NR		RATED SPEED	
MKL-CH-2		0038		0,80 m/s	
Number of Test	Tripping Speed (Up and Down - m/s)	Operation of Electrical Safety Device	Number of Test	Tripping Speed (Up and Down - m/s)	Operation of Electrical Safety Device
1	1,10	OK	11	1,03	OK
2	1,08	OK	12	1,04	OK
3	1,11	OK	13	1,05	OK
4	1,05	OK	14	1,04	OK
5	1,04	OK	15	1,06	OK
6	1,10	OK	16	1,05	OK
7	1,07	OK	17	1,03	OK
8	1,10	OK	18	1,06	OK
9	1,09	OK	19	1,03	OK
10	1,08	OK	20	1,03	OK

TYPE		SERIAL NR		RATED SPEED	
MKL-MD-3		0402		1,00 m/s	
Number of Test	Tripping Speed (Up and Down - m/s)	Operation of Electrical Safety Device	Number of Test	Tripping Speed (Up and Down - m/s)	Operation of Electrical Safety Device

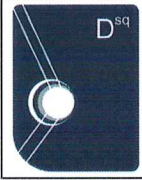
Doküman No: FR.LD.22

Yayın Tarihi: 07.02.2019

Rev. No: 04

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# RESULTS OF CONFORMITY TO TYPE WITH RANDOM CHECKING FOR SAFETY COMPENENTS FOR LIFTS



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1	1,27	OK	11	1,29	OK
2	1,23	OK	12	1,29	OK
3	1,24	OK	13	1,28	OK
4	1,25	OK	14	1,32	OK
5	1,27	OK	15	1,25	OK
6	1,25	OK	16	1,35	OK
7	1,22	OK	17	1,30	OK
8	1,26	OK	18	1,30	OK
9	1,23	OK	19	1,24	OK
10	1,22	OK	20	1,30	OK

TYPE		SERIAL NR		RATED SPEED	
MKL-A3-5		1333		1,60 m/s	
Number of Test	Tripping Speed (Up and Down - m/s)	Operation of Electrical Safety Device	Number of Test	Tripping Speed (Up and Down - m/s)	Operation of Electrical Safety Device
1	2,07	OK	11	2,10	OK
2	2,06	OK	12	2,08	OK
3	2,05	OK	13	2,12	OK
4	1,96	OK	14	2,10	OK
5	2,10	OK	15	2,08	OK
6	2,11	OK	16	2,07	OK
7	2,12	OK	17	2,06	OK
8	2,08	OK	18	2,12	OK
9	2,10	OK	19	2,10	OK
10	2,11	OK	20	2,14	OK

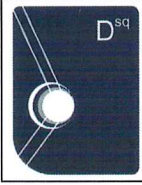
Overspeed governer's siwtch	<input checked="" type="checkbox"/> - POSITIVE	<input type="checkbox"/> - NEGATIVE	<input type="checkbox"/> N/A
Operation of the safety compenent in ase of overspeed governer rope's breakage or excessive	<input checked="" type="checkbox"/> - POSITIVE	<input type="checkbox"/> - NEGATIVE	<input type="checkbox"/> N/A

## 2- TEST OF TENSILE FORCE ( EN 81-50 / 5.4.2.2.3)

The tensile force in the rope produced by the overspeed governor when tripped shall be at least 300 N or any higher value which is specified by the applicant.

TENSİLE FORCE	TEST RESULT	
>300N	<input checked="" type="checkbox"/> - POSITIVE	<input type="checkbox"/> - NEGATIVE

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# RESULTS OF CONFORMITY TO TYPE WITH RANDOM CHECKING FOR SAFETY COMPONENTS FOR LIFTS



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## 3- CONTROL OF UNINTENDED CAR MOVEMENT PROTECTION MEANS

(If this function of overspeed governors has been declared by applicant)

Control Criteria	Inspection Results		
Pulley must be locking by jaw while it working leveling speed	<input checked="" type="checkbox"/> - POSITIVE	<input type="checkbox"/> - NEGATIVE	<input type="checkbox"/> N/A
UCM locking device must ensure that the car stops within one meter of the floor.	<input checked="" type="checkbox"/> - POSITIVE	<input type="checkbox"/> - NEGATIVE	<input type="checkbox"/> N/A
There must be a switch that disables the UCM locking device and it should be able to use the user in the cabin for saving purpose.  This must be defined assembly, use and maintenance instructions	<input checked="" type="checkbox"/> - POSITIVE	<input type="checkbox"/> - NEGATIVE	<input type="checkbox"/> N/A

## 4- CONTROL OF ELECTRICAL SAFETY DEVICE (EN 81-20 / 5.6.2.2.1.6 and 5.11.2.2)

The suitability of these substances has been assessed on the basis of the documents provided by the manufacturer of electrical safety device.

Documents of Electrical Safety Device (Declaration of Conformity, Conformity Certificate, Test Report etc.)		Result of Control	
Document Publication Date	Document		
07.2017	EU DECLARATION OF CONFORMITY	<input checked="" type="checkbox"/> - Positive	<input type="checkbox"/> - Negative

## 5- Measurement Devices Used During Assessment Activities:

Device Name	Brand- Serial Nr	Calibration Date	Calibration Nr
CALIPER	BTS / 5335	12.2021	21.15856
TACHOMETER	TT TECHNIC / 6246	12.2021	21.ELE.2990
FORCE METER	GERATECH / 371005750	05.2021	21-05895
METER	FIVESTAR / 6702	05.2021	21.05897
HARDNESS TESTER	CHONGQING LEEB - A1903270001	08.2021	73015.DKA.01

## 6- Conformity Assessment Findings

a) 2014/33 / EU Lift Directive ANNEX I Deviations in Basic Health Safety Rules

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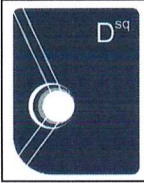
b) Deviations from Harmonized Standards

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Bu değerlendirme raporu D KARE' nin onayı olmadan kısmı olarak kopyalanıp dağıtılamaz.



# RESULTS OF CONFORMITY TO TYPE WITH RANDOM CHECKING FOR SAFETY COMPONENTS FOR LIFTS



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c) Other

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## C- RESULT AND REPORT INFORMATION

Conformity assessment and examination activities has been performed according to section 4 clause 19 (c) and annex IX of the European Directive regarding Lifts and Safety components for lifts by following the technical requirements stated in Annex I of the council directive 2014/33/EU and harmonised standards EN 81-50:2020 Safety rules for the construction and installation of lifts, EN 81-50: Design rules, calculations, examinations and tests of lift components” were performed according to the applicable articles of the standards .

**Recommendation of Technical Expert :** As a result of the conformity assessment process, it has been determined that the type of lift safety equipment which technical characteristics are specified in this report is in compliance with Annex-1 Basic Health and Safety Requirements of Directive 2014/33/EU of the European Parliament and of the Council relating to lifts and safety components for lifts

As a result of the conformity assessment process, it has been determined that the type of lift safety equipment which technical characteristics are specified in this report is in compliance with EU Type Examination Certificate (LDsq08-0724-0035-20)

**Annex of report :** ---

**Date of Report:** 05.04.2022

## REPORT INFORMATIONS

Prepared by Technical Expert	Signature
SALİH ÜSTÜNER	