

EU TYPE EXAMINATION CERTIFICATE

Nr: LDsq08-0316-0121-22

ÖZBEŞLER MAKİNA OTOMOTİV KUYUMCULUK AKARYAKIT İNŞAAT ASANSÖR SANAYİ VE TİCARET LİMİTED ŞİRKETİ

Samanlı Mah. 2. Serin Sok. No:138 – Yıldırım, Bursa, Türkiye

D KARE GÖZETİM TEST VE BELGELENDİRME TİC. LTD. ŞTİ.; evaluated and approved that the safety component for lifts manufactured by the company stated above meets the essential health and safety requirements of the Lifts Directive 2014/33/EU.

2014/33/EU Annex IV/A EU-type examination of safety components for lifts (Module B)

PRODUCT ;

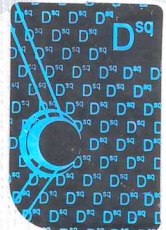
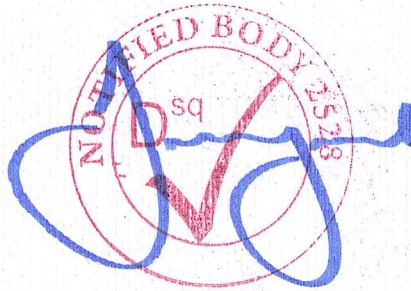
Description	: Overspeed Limitation Device according to Annex III clause III of 2014/33/EU
Name	: Overspeed Governor
Trade Mark	: ÖZBEŞLER
Type	: ÖBM-K MRL, ÖBM-K MRL2, ÖBM-K MR
Type Varients	: ÖBM-K MRL (HR 40, HR 50, HR 63, HR 80, HR 100, HR 120, HR 160, HR 200) ÖBM-K MRL2 (HR 40, HR 50, HR 63, HR 80, HR 100, HR 120, HR 160, HR 200)
Technical Details	: Rated speed from 0,20 m/s up to 2,00 m/s Maximum tripping speed from 0,60 m/s up to 2,62 m/s

Re-evaluation should be performed by D KARE if any change occur on the design of the types stated in annex of this certificate or any change occur on the relevant harmonised standard.

This certificate is issued according to the findings stated in final report Nr. LDsq08-0316-0121-22 dated 16/03/2022.

Inspection and test methods stated in harmonised standards TS EN 81-20:2020 ve TS EN 81-50:2020 has been applied during conformity assesment process.

Selcan GÖRMÜŞ
Director

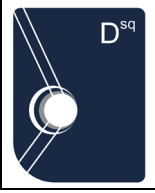


LIFTS-2528-2200050



Issue Date : March 16, 2022

Valid to : March 15, 2027



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File Nr: LD.IV-A.0055



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

Cevizli Mah. Hızır Reis Sk. Dragos Park Plaza No:10 D:19 Maltepe - İSTANBUL

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2014/33/EU LIFT DIRECTIVE 2014/33/EU ANNEX IV A

COMPANY INFORMATION	
Name of Applicant	ÖZBEŞLER MAKİNA OTOMOTİV KUYUMCULUK AKARYAKIT İNŞAAT ASANSÖR SANAYİ VE TİCARET LİMİTED ŞİRKETİ
Adress of Applicant	SAMANLI MAH. 2. SERİN SOK. NO:138 – YILDIRIM / BURSA
Name of Manufacturer	ÖZBEŞLER MAKİNA OTOMOTİV KUYUMCULUK AKARYAKIT İNŞAAT ASANSÖR SANAYİ VE TİCARET LİMİTED ŞİRKETİ
Address Of Manufacturer	SAMANLI MAH. 2. SERİN SOK. NO:138 – YILDIRIM / BURSA

INFORMATION OF OVERSPEED GOVERNORS	
Product Description	Overspeed Limitation devices according to Annex III clause 3 of Directive 2014/33/EU
Rated Speed (m/sn.)	0,40 - 0,50 - 0,63 - 0,80 - 1,00 - 1,20 - 1,60 - 2,00
Tensile Force in the Rope Produced by the Overspeed	> 300 N
Serial Numbers	TEST SAMPLES
Types	ÖBM-K MRL, ÖBM-K MRL2, ÖBM-K MR
Models	ÖBM-K MRL (HR 40, HR 50, HR 63, HR 80, HR 100, HR 120, HR 160, HR 200) ÖBM-K MRL2 (HR 40, HR 50, HR 63, HR 80, HR 100, HR 120, HR 160, HR 200) ÖBM-K MR (HR 40, HR 50, HR 63, HR 80, HR 100, HR 120, HR 160, HR 200)

Doküman No: FR.LD.21	Yayın Tarihi: 07.02.2019	Rev. No: 04	Rev. Tarihi: 12.05.2020
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CONFORMITY ASSESSMENT INFORMATION

Conformity Assessment Date	10.03.2022	Conformity Assessment Standards	TS EN 81-20:2020 TS EN 81-50:2020
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ELECTRICAL SAFETY DEVICE INFORMATION

Manufacturer	GLORIOUS	GLORIOUS	MOMENTUM	MOMENTUM	EMAS
Type	TGB-102R	TES-5	MLP	MLC-25100-5	L5K13MIM411 R
Elektrik Akımı	10(4) A 250 VAC 6(2) A 380 VAC	5 A 400 VAC	3 A 240 VAC	4 A 240 VAC 10 (4) A 380 VAC	3 A 240 V
Conformity certificate	SP1001GZ1912374	--	--	--	004597-TSE-05/02
IP Degree	IP 65	IP 65	IP 66	IP 50	IP65
Related type(s)	ÖBM-K MRL ÖBM-K MRL2 ÖBM-K MR	ÖBM-K MRL ÖBM-K MRL2 ÖBM-K MR	ÖBM-K MRL ÖBM-K MRL2 ÖBM-K MR	ÖBM-K MRL ÖBM-K MRL2 ÖBM-K MR	ÖBM-K MRL ÖBM-K MRL2 ÖBM-K MR

A. TECHNICAL FILES AND COMPLIANCE OF THE TYPES TO THE FILES.

Representative samples of lift safety components	ÖBM-K MR Test samples
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.	OZBESLER ASANSÖR Overspeed governor A3, installation and users manual ÖNEOZBESLERRSAN ASANSÖR Overspeed governor MRL, installation and users manual
Design and manufacturing drawing or scheme.	The drawings below are examined. <ul style="list-style-type: none">• Technical drawings of product types• Parts technical drawings Bobin çizimi• Drawings of coils
Necessary explanation for understanding the drawings and diagrams of the lift safety components.	OZBESLER ASANSÖR overspeed governor model drawings and detailed parts drawings
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 test results
Test Results	Detailed in section B of this report.

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A copy of the installation instruction that belongs to the lift safety assembly.	OZBESLER ASANSÖR Overspeed governor A3, installation and users manual OZBESLER ASANSÖR Overspeed governor MRL, installation and users manual
Measures taken at the manufacturing stage to ensure that the lift safety assembly manufactured in series conforms to the lift safety component examined.	Not applicable
Example of EU declaration of conformity	Sample of EU Declaration of conformity has sighted

B. TEST AND RESULTS

1- TRIPPING SPEED TESTS (TS EN 81-50 clause 5.4.2.2.)

20 series of test has been performed with tripping speed calculated according to rated speed. Most of the tests were done at the limit values of the speed range. The acceleration required for the speed governor to reach its activation speed is kept as low as possible in order to eliminate the effects of inertia.

TRIPPING SPEED TEST RESULTS					
1 – Conform, 2 – Non Conform					
Type: ÖBM-K MR HR 40		Serial Nr: TEST SAMPLE		Rated speed: 0,40 m/s	
Test Nr.	Tripping speed (m/s)	Operation of safety switch	Test Nr.	Tripping speed (m/s)	Operation of safety switch
1	0,51	CONFORM	11	0,49	CONFORM
2	0,52	CONFORM	12	0,49	CONFORM
3	0,50	CONFORM	13	0,50	CONFORM
4	0,50	CONFORM	14	0,48	CONFORM
5	0,53	CONFORM	15	0,49	CONFORM
6	0,51	CONFORM	16	0,50	CONFORM
7	0,52	CONFORM	17	0,50	CONFORM
8	0,50	CONFORM	18	0,49	CONFORM
9	0,49	CONFORM	19	0,48	CONFORM
10	0,49	CONFORM	20	0,49	CONFORM
TENSIONING FORCE RESULTS					
Tensioning force measured on the governor rope (N)				> 300 N	

TRIPPING SPEED TEST RESULTS					
1 – Conform, 2 – Non Conform					
Type: ÖBM-K MR HR 50		Serial Nr: TEST SAMPLE		Rated speed: 0,50 m/s	
Test Nr.	Tripping speed (m/s)	Operation of safety switch	Test Nr.	Tripping speed (m/s)	Operation of safety switch
1	0,67	CONFORM	11	0,64	CONFORM
2	0,65	CONFORM	12	0,64	CONFORM
3	0,65	CONFORM	13	0,63	CONFORM

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4	0,62	CONFORM	14	0,62	CONFORM
5	0,64	CONFORM	15	0,63	CONFORM
6	0,67	CONFORM	16	0,64	CONFORM
7	0,66	CONFORM	17	0,64	CONFORM
8	0,65	CONFORM	18	0,65	CONFORM
9	0,66	CONFORM	19	0,63	CONFORM
10	0,68	CONFORM	20	0,68	CONFORM

TENSIONING FORCE RESULTS

Tensioning force measured on the governor rope (N) > 300 N

TRIPPING SPEED TEST RESULTS

1 – Conform, 2 – Non Conform

Type: ÖBM-K MR HR 63			Serial Nr: TEST SAMPLE		Rated Speed: 0,63 m/s
Test Nr.	Tripping speed (m/s)	Operation of safety switch	Test Nr.	Tripping speed (m/s)	Operation of safety switch
1	0,75	CONFORM	11	0,73	CONFORM
2	0,75	CONFORM	12	0,74	CONFORM
3	0,77	CONFORM	13	0,74	CONFORM
4	0,76	CONFORM	14	0,73	CONFORM
5	0,75	CONFORM	15	0,75	CONFORM
6	0,74	CONFORM	16	0,74	CONFORM
7	0,75	CONFORM	17	0,76	CONFORM
8	0,73	CONFORM	18	0,74	CONFORM
9	0,75	CONFORM	19	0,75	CONFORM
10	0,77	CONFORM	20	0,73	CONFORM

TENSIONING FORCE RESULTS

Tensioning force measured on the governor rope (N) > 300 N

TRIPPING SPEED TEST RESULTS

1 – Conform, 2 – Non Conform

Type: ÖBM-K MR HR 80			Serial Nr: TEST SAMPLE		Rated Speed: 0,80 m/s
Test Nr.	Tripping speed (m/s)	Operation of safety switch	Test Nr.	Tripping speed (m/s)	Operation of safety switch
1	1,03	CONFORM	11	1,08	CONFORM
2	1,05	CONFORM	12	1,08	CONFORM
3	1,06	CONFORM	13	1,07	CONFORM
4	1,05	CONFORM	14	1,09	CONFORM
5	1,04	CONFORM	15	1,08	CONFORM
6	1,06	CONFORM	16	1,06	CONFORM
7	1,06	CONFORM	17	1,07	CONFORM
8	1,03	CONFORM	18	1,06	CONFORM
9	1,07	CONFORM	19	1,07	CONFORM
10	1,06	CONFORM	20	1,09	CONFORM

TENSIONING FORCE RESULTS

Tensioning force measured on the governor rope (N) 300 N

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TRIPPING SPEED TEST RESULTS					
1 – Conform, 2 – Non Conform					
Type: ÖBM-K MR HR 100		Serial Nr: TEST SAMPLE 5		Rated Speed: 1,00 m/s	
Test Nr.	Tripping speed (m/s)	Operation of safety switch	Test Nr.	Tripping speed (m/s)	Operation of safety switch
1	1,30	CONFORM	11	1,30	CONFORM
2	1,31	CONFORM	12	1,31	CONFORM
3	1,28	CONFORM	13	1,31	CONFORM
4	1,29	CONFORM	14	1,30	CONFORM
5	1,28	CONFORM	15	1,29	CONFORM
6	1,28	CONFORM	16	1,29	CONFORM
7	1,29	CONFORM	17	1,31	CONFORM
8	1,30	CONFORM	18	1,30	CONFORM
9	1,28	CONFORM	19	1,29	CONFORM
10	1,29	CONFORM	20	1,29	CONFORM
TENSIONING FORCE RESULTS					
Tensioning force measured on the governor rope (N)				> 300 N	

TRIPPING SPEED TEST RESULTS					
1 – Conform, 2 – Non Conform					
Type: ÖBM-K MR HR 120		Serial Nr: TEST SAMPLE 6		Rated Speed: 1,20 m/s	
Test Nr.	Tripping speed (m/s)	Operation of safety switch	Test Nr.	Tripping speed (m/s)	Operation of safety switch
1	1,62	CONFORM	11	1,62	CONFORM
2	1,58	CONFORM	12	1,59	CONFORM
3	1,59	CONFORM	13	1,56	CONFORM
4	1,61	CONFORM	14	1,61	CONFORM
5	1,58	CONFORM	15	1,60	CONFORM
6	1,57	CONFORM	16	1,59	CONFORM
7	1,62	CONFORM	17	1,60	CONFORM
8	1,60	CONFORM	18	1,59	CONFORM
9	1,59	CONFORM	19	1,59	CONFORM
10	1,61	CONFORM	20	1,60	CONFORM
TENSIONING FORCE RESULTS					
Tensioning force measured on the governor rope (N)				> 300 N	

TRIPPING SPEED TEST RESULTS					
1 – Conform, 2 – Non Conform					
Type: ÖBM-K MR HR 160		Serial Nr: TEST SAMPLE 8		Rated Speed: 1,60 m/s	
Test Nr.	Tripping speed (m/s)	Operation of safety switch	Test Nr.	Tripping speed (m/s)	Operation of safety switch
1	2,13	CONFORM	11	2,10	CONFORM

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2	2,10	CONFORM	12	2,08	CONFORM
3	2,11	CONFORM	13	2,10	CONFORM
4	2,11	CONFORM	14	2,09	CONFORM
5	2,10	CONFORM	15	2,11	CONFORM
6	2,08	CONFORM	16	2,11	CONFORM
7	2,09	CONFORM	17	2,10	CONFORM
8	2,11	CONFORM	18	2,08	CONFORM
9	2,09	CONFORM	19	2,08	CONFORM
10	2,11	CONFORM	20	2,09	CONFORM

TENSIONING FORCE RESULTS

Tensioning force measured on the governor rope (N) > 300 N

TRIPPING SPEED TEST RESULTS

1 – Conform, 2 – Non Conform

Type: ÖBM-K MR HR 200

Serial Nr: TEST SAMPLE 9

Rated Speed: 2,00 m/s

Test Nr.	Tripping speed (m/s)	Operation of safety switch	Test Nr.	Tripping speed (m/s)	Operation of safety switch
1	2,55	CONFORM	11	2,52	CONFORM
2	2,55	CONFORM	12	2,49	CONFORM
3	2,54	CONFORM	13	2,50	CONFORM
4	2,53	CONFORM	14	2,49	CONFORM
5	2,55	CONFORM	15	2,50	CONFORM
6	2,53	CONFORM	16	2,52	CONFORM
7	2,52	CONFORM	17	2,52	CONFORM
8	2,53	CONFORM	18	2,52	CONFORM
9	2,53	CONFORM	19	2,51	CONFORM
10	2,54	CONFORM	20	2,50	CONFORM

TENSIONING FORCE RESULTS

Tensioning force measured on the governor rope (N) > 300 N

Stability of electric safety device	<input checked="" type="checkbox"/> - CONFORM	<input type="checkbox"/> - NON CONFORM	<input type="checkbox"/> - NOT APPLICABLE
Operation of electric safety device during the breakage or excessive rope stretch of the governor rope	<input checked="" type="checkbox"/> - CONFORM	<input type="checkbox"/> - NON CONFORM	<input type="checkbox"/> - NOT APPLICABLE

2- TENSIONING FORCE TEST (TS EN 81-50 clause 5.4.2.2.3)

During the activation of the overspeed governor, the pulling force on the overspeed governor rope must be at least 300 N or a higher value to be specified by the applicant.

Applied Force	Result	
300 N	<input checked="" type="checkbox"/> - CONFORM	<input type="checkbox"/> NON CONFORM



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3- CHECKING OF UNINTENDED CAR MOVEMENT PROTECTION MEANS.

(If manufacturer declared this function, it will be checked)

Criteria	Result		
The reel must be locked with the movable jaw when the overspeed governor is operating at leveling speed.	<input checked="" type="checkbox"/> CONFORM	<input type="checkbox"/> NON CONFORM	<input type="checkbox"/> - NOT APPLICABLE
UCM blocking device should stop the car within the 1m distance from the sill.	<input checked="" type="checkbox"/> CONFORM	<input type="checkbox"/> NON CONFORM	<input type="checkbox"/> - NOT APPLICABLE
There should be a release device that can release the UCM blocking device and can be used during emergency rescue operations. This using information should be stated on the users manual.	<input checked="" type="checkbox"/> CONFORM	<input type="checkbox"/> NON CONFORM	<input type="checkbox"/> - NOT APPLICABLE

4- CHECKING THE ELECTRIC SAFETY DEVICE (TS EN 81-20 Clause 5.11.2.2)

This clause is checked according to the informations given by the electric safety device manufacturer.

Documents for the electric safety device used on the overspeed governor (Conformity declaration, conformity certificate, test report, etc....)		Result	
Document issue date	Name of the document		
23.08.2006 (TSE)	TÜRK STANDARTLARINA UYGUNLUK BELGESİ	<input checked="" type="checkbox"/> - UYGUN	<input type="checkbox"/> - UYGUN DEĞİL
10.12.2019	CERTIFICATE OF CONFORMITY	<input checked="" type="checkbox"/> - UYGUN	<input type="checkbox"/> - UYGUN DEĞİL

6- Measurement Devices Used During Assessment Activities:

Device Name	Brand- Serial Nr	Calibration Date	Calibration Nr
TAKOMETRE	TT T-ECHN-C / 6246	12.2021	21.ELE.2990
KUVVET ÖLÇER (ÇEKME – BASMA)	GERATECH / 371005750	05.2021	21-05895
ŞERİTMETRE	FIVESTAR – 6702	05.2021	21-05897
VERNİYERLİ KUMPAS	- 5335	12.2021	21-15856
SERTLİK ÖLÇER	CHONGQİNG LEEB - A1903270001	08.2021	73015.DKA.01

7- Conformity Assessment Findings

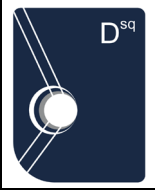
a) 2014/33 / EU Lift Directive ANNEX I Deviations in Basic Health Safety Rules

b) Deviations from Harmonized Standards

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 (a) and annex IV.A 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 applicable clauses of harmonised standards EN 81-50 and EN 81-20.

Recommendation of Technical Expert : As a result of the conformity assessment process, it has been determined that the type of lift safety component 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

Annex of report :

Date of report :: 16.03.2022

REPORT INFORMATIONS	
Prepared by Technical Expert	Signature
SALIH USTUNER	