



Certificate No.
LIMB.0169

Date of Issue
24/11/2023

Valid From
24/11/2023

EU TYPE-EXAMINATION CERTIFICATE FOR TRACTION DRIVE PASSENGER LIFT ACCORDING TO EUROPEAN LIFT DIRECTIVE 2014/33/EU ANNEX IV (MODULE B)

Manufacturer's/Applicant's Certificate Holder's Name	:	<i>Metron Elevator (Zhejiang) Co., Ltd.</i>
Address	:	<i>Building No. 1, No. 2088, DongMa Road, NanXun, HuZhou, Zhejiang, P.R. China</i>
Product Type	:	<i>Machine Roomless Passenger Lift</i>
Product Model	:	<i>MRL (Technical Description Attached) Annex A: Technical Specifications Annex B: List of Safety Components Certificates</i>
Directives/Standards	:	<i>2014/33/EU, EN 81-20:2020, EN 81-50:2020</i>
Checklist Report No.	:	<i>LIMB.0169R</i>

On manufacturer's request, it is hereby certified that the aforementioned notified body, EUROCERT SA, with identification number **1128**, has assessed the above representative model of Machine Roomless Passenger Lift, in accordance with the requirements of European Lift Directive 2014/33/EU Annex IV (Module B), with satisfactory results.

Preconditions:

A lift, manufactured in conformity with the above-described model lift, must be submitted by the installer to Final Inspection procedure according to annex V of European Lift Directive 2014/33/EU (Final Inspection) before being placed in use.

The installer of the lift, if it satisfies the provision of the Directive, shall affix the CE marking with the Identification Number of the involved to the Final Inspection notified body and draw up an EU Declaration of Conformity.



INSPECTOR

CHAD WANG

Please check the validity of the certificate from our website using the password **zL9tX4fP**

The data of this certificate were gathered with every possible thoroughness.
This certificate reflects the findings of the time and place of the audit.
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Product Certification
Cert. No.: 21

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ANNEX A

CERTIFICATE No.: LIMB.0169
TECHNICAL SPECIFICATIONS

Technical Specifications	Parameters / Range		
Type of Lift	Machine Roomless Passenger Lift		
Type of Driving System	Traction		
Machine Room Position	N/A		
Controller Type	NICE 3000 ^{new} , MDMRL		
Permissible Rated Load (kg)	450	630	800
Car Weight (kg)	600 ~ 800	700 ~ 900	800 ~ 1000
Max. Traveling Distance (m)	105	120	120
Diameter of Traction Sheave (mm)	φ 320, φ 330	φ 400, φ 320	φ 400, φ 320
Rated Speed (m/sec)	1.75, 1.5, 1.0	2.0, 1.75, 1.5, 1.0	2.5, 2.0, 1.75, 1.5, 1.0
Type of Motor	MCK100, WJC, FRD32E, FRD32WA, WTD2, FXBS	MONA320, MCK200, WJC, WT, FRD40D, FRD32E, WTD2, FXBS	MONA400, WJC, WT, FRD40D, FRD32E, WTD2, FXBS
Max. Car Dimensions (Area m ²)	1.21	1.65	1.90
Type of Doors	Automatic power operated central opening door or Automatic power operated side opening door		
Guide Rail of the Car	T75-3/B	T75-3/B	T90/B, T89/B
Auxiliary guide rails of the Car	N/A	N/A	N/A
Guide Rail of the Counterweight	T75-3/B, TK5A	T75-3/B, TK5A	T75-3/B, TK5A
Counterweight Balance Coefficient	0.4 ~ 0.5		
Distance Between Brackets (car guide rails) (m)	2.5 (max.)		
Number of wire Rope	4	4, 5	5, 6
Wire Rope Diameter (mm)	φ 8	φ 10, φ 8	φ 10, φ 8
Suspension Type (Ratio)	2:1		
Compensation Chain	Available		





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<i>Technical Specifications</i>	<i>Parameters / Range</i>		
Type of Lift	Machine Roomless Passenger Lift		
Type of Driving System	Traction		
Machine Room Position	N/A		
Controller Type	NICE 3000 ^{new} , MDMRL		
Permissible Rated Load (kg)	1000	1150	1250
Car Weight (kg)	900 ~ 1150	950 ~ 1300	1100 ~ 1350
Max. Traveling Distance (m)	120	120	120
Diameter of Traction Sheave (mm)	φ 400, φ 320	φ 400, φ 320	φ 400, φ 320
Rated Speed (m/sec)	2.5, 2.0, 1.75, 1.5, 1.0		
Type of Motor	MONA400, WJC, WT, FRD40D, FRD32E, WTD2, FXBS	MONA400, WJC, WT, FRD40E, FRD40W, WTD2	MCK300, WTY1, WJC, WT, FRD40E, FRD40W, WTD2
Max. Car Dimensions (Area m²)	2.24	2.55	2.75
Type of Doors	Automatic power operated central opening door or Automatic power operated side opening door		
Guide Rail of the Car	T90/B, T89/B	T90/B, T89/B	T90/B, T89/B
Auxiliary guide rails of the Car	N/A	N/A	N/A
Guide Rail of the Counterweight	T75-3/B, TK5A	T75-3/B, TK5A	T75-3/B, TK5A
Counterweight Balance Coefficient	0.4 ~ 0.5		
Distance Between Brackets (car guide rails) (m)	2.5 (max.)		
Number of wire Rope	5, 6, 7	5, 6, 10	5, 6, 7, 10
Wire Rope Diameter (mm)	φ 10, φ 8	φ 10, φ 8	φ 10, φ 8
Suspension Type (Ratio)	2:1		
Compensation Chain	Available		





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Technical Specifications	Parameters / Range		
Type of Lift	Machine Roomless Passenger Lift		
Type of Driving System	Traction		
Machine Room Position	N/A		
Controller Type	NICE 3000 ^{new} , MDMRL		
Permissible Rated Load (kg)	1350	1600	1800
Car Weight (kg)	1200 ~ 1450	1450 ~ 1700	1600 ~ 1900
Max. Traveling Distance (m)	120	120	120
Diameter of Traction Sheave (mm)	φ 400, φ 450, φ 480, φ 320	φ 480, φ 400, φ 520, φ 450, φ 320	φ 480, φ 450, φ 520, φ 320
Rated Speed (m/sec)	2.5, 2.0, 1.75, 1.5, 1.0		
Type of Motor	MCK300, WTY1, WT, FRD40E, FRD40W, WTD2, FXBS	MCK500, MCK300, WTY1, WTY2, WT, FRD45D, FRD48, FRD40E, WTD2, FXBS	MCK500, MONA450, WTY1, WTY2, FRD45D, FRD48, WTD2, FXBS
Max. Car Dimensions (Area m ²)	3.10	3.42	3.88
Type of Doors	Automatic power operated central opening door or Automatic power operated side opening door		
Guide Rail of the Car	T90/B, T89/B	T90/B, T114/B	T114/B
Auxiliary guide rails of the Car	N/A	N/A	N/A
Guide Rail of the Counterweight	T75-3/B, TK5A	T75-3/B	T75-3/B
Counterweight Balance Coefficient	0.4 ~ 0.5		
Distance Between Brackets (car guide rails) (m)	2.5 (max.)		
Number of wire Rope	6, 7, 8, 10, 12	5, 6, 7, 8, 9, 12	6, 7, 8, 9, 10, 12
Wire Rope Diameter (mm)	φ 10, φ 8	φ 13, φ 12, φ 10, φ 8	φ 13, φ 12, φ 10, φ 8
Suspension Type (Ratio)	2:1		
Compensation Chain	Available		





ANNEX B

CERTIFICATE No.: LIMB.0169
Safety Components Specification

Safety Component Description	Model / Manufacturer / Certificate data
Safety Gear	OX-188/ NINGBO AODEPU ELEVATOR COMPONENTS CO., LTD./ LF/KSA/A-C-0133/17
	OX-188A/ NINGBO AODEPU ELEVATOR COMPONENTS CO., LTD./ LF/KSA/A-C-0245/21
	OX-188B/ NINGBO AODEPU ELEVATOR COMPONENTS CO., LTD./ LF/KSA/A-C-0285/22
	OX-210A/ NINGBO AODEPU ELEVATOR COMPONENTS CO., LTD./ LF/KSA/A-C-0134/17
	OX-210B/ NINGBO AODEPU ELEVATOR COMPONENTS CO., LTD./ LF/KSA/A-C-0138/17
	HN2500B1/ Hangzhou Huning Elevator Parts Co., Ltd./ SCMB.0342
	QJB2500/ Hangzhou Huning Elevator Parts Co., Ltd./ EU-SG 950/2
	HN2500C/ Hangzhou Huning Elevator Parts Co., Ltd./ EU-SG 934/2
	HN2500D/ Hangzhou Huning Elevator Parts Co., Ltd./ EU-SG 1022/3
	AQ1/ SHIJIAZHUANG TONG'AN MACHINERY CO., LTD./ LF/KSA/A-C-0080/16
	AQ1/ SHIJIAZHUANG TONG'AN MACHINERY CO., LTD./ LF/KSA/A-C-0144/17
	AQ5Z/ SHIJIAZHUANG TONG'AN MACHINERY CO., LTD./ LF/KSA/A-C-0095/16
	AQ5Z/ SHIJIAZHUANG TONG'AN MACHINERY CO., LTD./ LF/KSA/A-C-0082/16
	AQ10A/ SHIJIAZHUANG TONG'AN MACHINERY CO., LTD./ LF/KSA/A-C-0126/17
	LSG06/ Shanghai Liftech Elevator Accessories Co., Ltd./ No.1694/TE/24.06.2021
	LSG01/ Shanghai Liftech Elevator Accessories Co., Ltd./ No.1691/TE/24.06.2021
	LSG03/ Shanghai Liftech Elevator Accessories Co., Ltd./ No.1692/TE/24.06.2021
	Overspeed Governor
LOG03/ Shanghai Liftech Elevator Accessories Co., Ltd./ No.1927/TE/20.07.2022	
LOG01/ Shanghai Liftech Elevator Accessories Co., Ltd./ No.1688K1/TE/19.11.2021	
OX-187/ NINGBO AODEPU ELEVATOR COMPONENTS CO., LTD./ LF/KSA/A-C-0127/17	

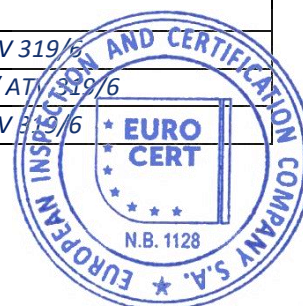




ANNEX B

CERTIFICATE No.: LIMB.0169
Safety Components Specification

Safety Component Description	Model / Manufacturer / Certificate data
Overspeed Governor (Continued)	OX-187/ NINGBO AODEPU ELEVATOR COMPONENTS CO., LTD./ LF/KSA/A-C-0256/20
	OX-208/ NINGBO AODEPU ELEVATOR COMPONENTS CO., LTD./ LF/KSA/A-C-0128/17
	OX-240A/ NINGBO AODEPU ELEVATOR COMPONENTS CO., LTD./ LF/KSA/A-C-0300/22
	XS200/ SHIJIAZHUANG TONG'AN MACHINERY CO., LTD./ LF/KSA/A-C-0084/16
	XS250/ SHIJIAZHUANG TONG'AN MACHINERY CO., LTD./ LF/KSA/A-C-0083/16
	XSW/ SHIJIAZHUANG TONG'AN MACHINERY CO., LTD./ LF/KSA/A-C-0158/17
	Landing Door Locking Device
OMS201/ NINGBO OULING ELEVATOR COMPONENTS CO., LTD./SCMB.0401	
OMS103/ NINGBO OULING ELEVATOR COMPONENTS CO., LTD./SCMB.0437	
OMS108/ NINGBO OULING ELEVATOR COMPONENTS CO., LTD./SCMB.0438	
CORE C2 (01/C) / Wittur Holding GmbH/ EU-DL 1034/5	
KUNPENG/ Wittur Holding GmbH/ SCMB.0378 rev.2	
3201-HYDRA EVO series of type 01/C / Wittur S.p.A./ ATV 286/10	
3201-HYDRA series of type 01/C / Wittur S.p.A./ ATV 286/10	
3201-SCORPION series of type 01/C / Wittur S.p.A./ ATV 286/10	
3201-HYDRA EVO series of type 11/_ / Wittur S.p.A./ ATV 285/10	
3201-HYDRA series of type 11/_ / Wittur S.p.A./ ATV 285/10	
3201-SCORPION series of type 11/_ / Wittur S.p.A./ ATV 285/10	
3201-HYDRA EVO series of type 31/_ / Wittur S.p.A./ ATV 299/6	
3201-HYDRA series of type 31/_ / Wittur S.p.A./ ATV 299/6	
3201-SCORPION series of type 31/_ / Wittur S.p.A./ ATV 299/6	
3201-HYDRA series of type 41/C and type 41/E/ Wittur S.p.A./ ATV 295/7	
3201-HYDRA EVO series of type 41/C and type 41/E/ Wittur S.p.A./ ATV 295/7	
3201-SCOPRION series of type 41/C and type 41/E/ Wittur S.p.A./ ATV295/7	
3201-HYDRA series of type 61/C / Wittur S.p.A./ ATV 319/6	
3201-SCORPION series of type 61/C / Wittur S.p.A./ ATV 319/6	
3201-HYDRA series of type 61/E / Wittur S.p.A./ ATV 319/6	

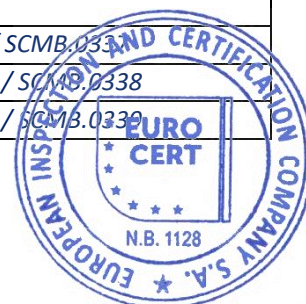




ANNEX B

CERTIFICATE No.: LIMB.0169
Safety Components Specification

Safety Component Description	Model / Manufacturer / Certificate data
Landing Door Locking Device (Continued)	3201-SCORPION series of type 61/E / Wittur S.p.A./ ATV 319/6
	HYDRA 02/C/ Wittur Holding GmbH/ TÜV-A-AT-1-05-0130-FKTV-4
	HYDRA 12/R-L/ Wittur Holding GmbH/ TÜV-A-AT-1-05-0131-FKTV-4
	HYDRA 42/C/ Wittur Holding GmbH/ TÜV-A-AT-1-05-0133-FKTV-3
	HYDRA 62/C/ Wittur Holding GmbH/ TÜV-A-AT-1-05-0135-FKTV-2
	HYDRA 32/R-L/ Wittur Holding GmbH/ TÜV-A-AT-1-05-0137-FKTV-2
	MKG161-01/ NBSL M&E TECHNOLOGY CO., LTD./ EU-DL 1021/2
	MKG161-01(2S)/ NBSL M&E TECHNOLOGY CO., LTD./ EU-DL 1042/2
	MKG161-01(4CO)/ NBSL M&E TECHNOLOGY CO., LTD./ EU-DL 1041/2
	MS209 / Suzhou Eshine Elevator Components Co., Ltd./ SCMB.0399
	KS209/C2/ Suzhou Eshine Elevator Components Co., Ltd./ EU-DL 763/1
	KS209/S2/ Suzhou Eshine Elevator Components Co., Ltd./ EU-DL 795/1
	MS209/C4/ Suzhou Eshine Elevator Components Co., Ltd./ EU-DL 1024/1
Buffer	OH-80/ NINGBO AODEPU ELEVATOR COMPONENTS CO., LTD./ LF/KSA/A-C-0132/17
	OH-175/ NINGBO AODEPU ELEVATOR COMPONENTS CO., LTD./ LF/KSA/A-C-0159/17
	OH-210/ NINGBO AODEPU ELEVATOR COMPONENTS CO., LTD./ LF/KSA/A-C-0131/17
	OH-275/ NINGBO AODEPU ELEVATOR COMPONENTS CO., LTD./ LF/KSA/A-C-0188/18
	OH-425/ NINGBO AODEPU ELEVATOR COMPONENTS CO., LTD./ LF/KSA/A-C-0189/18
	OH-80E/ NINGBO AODEPU ELEVATOR COMPONENTS CO., LTD./ LF/KSA/A-C-0240/19
	OH-175E/ NINGBO AODEPU ELEVATOR COMPONENTS CO., LTD./ LF/KSA/A-C-0241/19
	OH-210E/ NINGBO AODEPU ELEVATOR COMPONENTS CO., LTD./ LF/KSA/A-C-0242/19
	OH-275E/ NINGBO AODEPU ELEVATOR COMPONENTS CO., LTD./ LF/KSA/A-C-0243/19
	OH-425E/ NINGBO AODEPU ELEVATOR COMPONENTS CO., LTD./ LF/KSA/A-C-0244/19
	HYF80F/ Hangzhou Huning Elevator Parts Co., Ltd./ SCMB.0334
	HYF175F/ Hangzhou Huning Elevator Parts Co., Ltd./ SCMB.0338
	HYF210F/ Hangzhou Huning Elevator Parts Co., Ltd./ SCMB.0339





ANNEX B

CERTIFICATE No.: LIMB.0169
Safety Components Specification

Safety Component Description	Model / Manufacturer / Certificate data
<i>Buffer (Continued)</i>	<i>HYF275F/ Hangzhou Huning Elevator Parts Co., Ltd./ SCMB.0340</i>
	<i>HYF425F/ Hangzhou Huning Elevator Parts Co., Ltd./ SCMB.0341</i>
	<i>LD-CE-01 (HC-A-L01)/ SHANGHAI GREEN SHIELD PLASTIC & RUBBER CO., LTD./ LF/KSA/A-C-0140/17</i>
	<i>LD-CE-03/ SHANGHAI GREEN SHIELD PLASTIC & RUBBER CO., LTD./ LF/KSA/A-C-0142/17</i>
	<i>LD-CE-04/ SHANGHAI GREEN SHIELD PLASTIC & RUBBER CO., LTD./ LF/KSA/A-C-0143/17</i>
<i>Ascending Car Overspeed Protection Means</i>	<i>VED40/ Zhejiang Furder Drive Technology Co., Ltd./ SCMB.0175 rev.4</i>
	<i>EMK12K / Suzhou Mona Drive Equipment Co., Ltd. (Shanghai)/ NL17-400-1002-263-01 rev.4</i>
	<i>EMM2K-2x2500 Nm/ Suzhou Mona Drive Equipment Co., Ltd. (Shanghai)/ NL17-400-1002-263-02 rev.2</i>
	<i>EMM1K-2x1400 Nm/ Suzhou Mona Drive Equipment Co., Ltd. (Shanghai)/ NL17-400-1002-263-02 rev.2</i>
	<i>EMM600-2x750 Nm/ Suzhou Mona Drive Equipment Co., Ltd. (Shanghai)/ NL19-400-1002-263-03 rev.1</i>
	<i>EMK9K/ Suzhou Mona Drive Equipment Co., Ltd. (Shanghai)/ NL17-400-1002-263-01 rev.4</i>
	<i>EMK7K/ Suzhou Mona Drive Equipment Co., Ltd. (Shanghai)/ NL17-400-1002-263-01 rev.4</i>
	<i>ZTW/ KINETEK DESHENG MOTOR CO., LTD./ LF/KSA/A-C-0125/17</i>
	<i>ZTW630-2x1900/ Kinetek DeSheng Motor Co., Ltd./ NL13-400-1002-179-08 rev.5</i>
	<i>ZTW500-2x1400/ Kinetek DeSheng Motor Co., Ltd./ NL13-400-1002-179-07 rev.6</i>
	<i>ZTW595-2x850/ Kinetek DeSheng Motor Co., Ltd./ NL13-400-1002-179-21 rev.2</i>
	<i>ZTW500-2x1050/ Kinetek DeSheng Motor Co., Ltd./ NL13-400-1002-179-20 rev.4</i>
	<i>DB1-510-840/ KINETEK DESHENG MOTOR CO., LTD./ LF/KSA/A-C-0280/21</i>
	<i>DB1-515-1400/ KINETEK DESHENG MOTOR CO., LTD./ LF/KSA/A-C-0294/22</i>
	<i>GZD-3 (2x1300Nm)/ HePu Power Co., Ltd./ SCMB.0089 rev.1</i>
<i>GZD-3 (2x600Nm) / HePu Power Co., Ltd./ SCMB.0089 rev.1</i>	
<i>EMFR/ SHANGHAI FAXI DRIVE TECHNOLOGY CO., LTD./ LF/KSA/A-C-0218/17</i>	





ANNEX B

CERTIFICATE No.: LIMB.0169
Safety Components Specification

Safety Component Description	Model / Manufacturer / Certificate data
Safety Circuits Containing Electronic Components	MCTC-SCB-A1/ Suzhou Inovance Technology Co., Ltd./ SCMB.0119
	MCTC-SCB-D/ Suzhou Inovance Technology Co., Ltd./ SCMB.0120
	MCTC-MCB-C2/ Suzhou Inovance Technology Co., Ltd./LF/KSA/A-C-0146/17
	MCTC-MCB-C3/ Suzhou Inovance Technology Co., Ltd./ SCMB.0145
Unintended Car Movement Protection Means (UCMP)	VED40/ Zhejiang Furder Drive Technology Co., Ltd./ SCMB.0036 rev.5
	EMK12K / Suzhou Mona Drive Equipment Co., Ltd. (Shanghai)/ NL17-400-1002-263-01 rev.4
	EMM2K-2x2500 Nm/ Suzhou Mona Drive Equipment Co., Ltd. (Shanghai)/ NL17-400-1002-263-02 rev.2
	EMM1K-2x1400 Nm/ Suzhou Mona Drive Equipment Co., Ltd. (Shanghai)/ NL17-400-1002-263-02 rev.2
	EMM600-2x750 Nm/ Suzhou Mona Drive Equipment Co., Ltd. (Shanghai)/ NL19-400-1002-263-03 rev.1
	EMK9K/ Suzhou Mona Drive Equipment Co., Ltd. (Shanghai)/ NL17-400-1002-263-01 rev.4
	EMK7K/ Suzhou Mona Drive Equipment Co., Ltd. (Shanghai)/ NL17-400-1002-263-01 rev.4
	ZTW/ KINETEK DESHENG MOTOR CO., LTD./ LF/KSA/A-C-0125/17
	ZTW630-2x1900/ Kinetek DeSheng Motor Co., Ltd./ NL13-400-1002-179-08 rev.5
	ZTW500-2x1400/ Kinetek DeSheng Motor Co., Ltd./ NL13-400-1002-179-07 rev.6
	ZTW595-2x850/ Kinetek DeSheng Motor Co., Ltd./ NL13-400-1002-179-21 rev.2
	ZTW500-2x1050/ Kinetek DeSheng Motor Co., Ltd./ NL13-400-1002-179-20 rev.4
	DB1-510-840/ KINETEK DESHENG MOTOR CO., LTD./ LF/KSA/A-C-0280/21
	DB1-515-1400/ KINETEK DESHENG MOTOR CO., LTD./ LF/KSA/A-C-0294/22
	GZD-3 (2x1300Nm)/ HePu Power Co., Ltd./ SCMB.0116 rev.1
	GZD-3 (2x600Nm) / HePu Power Co., Ltd./ SCMB.0090 rev.1
	EMFR/ SHANGHAI FAXI DRIVE TECHNOLOGY CO., LTD./LF/KSA/A-C-0218/19
	MCTC-SCB-A1/ Suzhou Inovance Technology Co., Ltd./ SCMB.0119
	MCTC-SCB-D/ Suzhou Inovance Technology Co., Ltd./ SCMB.0120





Conditions:

1. *The lift may be installed only under normal conditions and this certificate does not cover the lifts to be installed at locations with special environmental conditions such as extreme temperature, explosive atmospheres, in nuclear facilities, etc.*
2. *One copy of the user manual (operating, maintenance, and rescue instructions), wiring diagrams and system drawings must be kept at the site of operation.*
3. *At the installation of the lift on site, all relevant national building regulations must be observed.*

Remarks:

1. *In order to place the lift in service, the requirements outlined in Directive 2014/33/EU Article 16 must be met (Conformity Assessment Procedure).*
2. *The requirements of the EU Member States must be observed (e.g. well ventilation, fire protection, user-panel suitable for handicapped people etc.), when the lift is being installed in a building.*
3. *The certificate should only be used in connection with pertinent Annex. The certificate and its annex shall be updated or revised following relevant application of the certificate holder.*
4. *This certificate is valid only for the product and configuration described and in conjunction with the technical specifications detailed above.*

