



Certificate No.
LIMB.0157

Date of Issue
19/10/2023

Valid From
19/10/2023

**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>Agustin Electric Technology (Hangzhou) Co., Ltd.</i>
Address	:	<i>Room 804, Meiya Building, Nanyuan Street, Linping District, Hangzhou City, Zhejiang Province, China</i>
Product Type	:	<i>Machine Room Passenger Lift</i>
Product Model	:	<i>TOSP (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.0157R</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 Room 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 **pN7eS5IV**

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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ANNEX A

CERTIFICATE No.: LIMB.0157
TECHNICAL SPECIFICATIONS

Technical Specifications		Parameters / Range				
Type of Lift		Machine Room Passenger Lift				
Type of Driving System		Traction				
Machine Room Position		Up				
Controller Type		NICE 3000new, KN-100-Y, KN-100-W				
Permissible Rated Load mass (kg)	450	630	800			
Car Weight(kg)	500 ~ 1800	600 ~ 2000	800 ~ 2300			
Capacity (no. of persons)	6	8	10			
Max. Traveling Distance (m)	140	160	160			
Diameter of Pulley (mm)	$\phi 320, \phi 325, \phi 400$		$\phi 320, \phi 400, \phi 450,$ $\phi 480$	$\phi 320, \phi 400, \phi 450,$ $\phi 480, \phi 550, \phi 560$		
Rated Speed (m/sec)	1.0, 1.5, 1.6, 1.75, 2.0		1.0, 1.5, 1.6, 1.75, 2.5	1.0, 1.5, 1.6, 1.75, 2.0, 2.5		
Type of Motor	GETM1.9, ERSL, GTW7A, GTW9S, MONA320, MCK100, MCK200		GETM1.9, ERSL, GTW7A, GTW9S, MONA320, MCK100, MCK200	GETM3.2D, GETM3.0H, GTEM3.5H, ER1L, GTW9A, GTW9S, MONA320, MONA400, MCK200		
Min-max. Car Dimensions (Area m²)	1.17 ~ 1.265		1.48 ~ 1.65	1.74 ~ 1.96		
Type of Doors	Automatic power operated central opening door or Automatic power operated side opening door					
Guide Rail of the Car	T75/B, T89/B, T90/B					
Guide Rail of the Counterweight	TK5A, T75/B, T89/B					
Counterweight Balance Coefficient	0.4-0.5					
Distance Between Brackets (car guide rails) (m)	2.5(max.)					
Number of wire Rope	4, 5	4, 5, 6	AND CERTIFICATION COMPANY S.A. * EURO CERT			
Wire Rope Diameter (mm)	$\phi 8, \phi 10$		$\phi 8, \phi 10$			
Suspension Type (Ratio)	2:1					
Compensation Chain	Available					

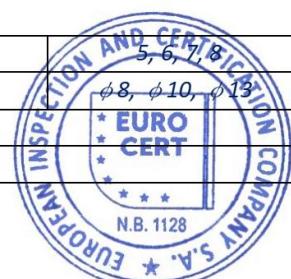




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<i>Technical Specifications</i>		<i>Parameters / Range</i>		
<i>Type of Lift</i>	Machine Room Passenger Lift			
<i>Type of Driving System</i>	Traction			
<i>Machine Room Position</i>	Up			
<i>Controller Type</i>	NICE 3000new, KN-100-Y, KN-100-W			
<i>Permissible Rated Load mass (kg)</i>	1000	1150	1250	
<i>Car Weight(kg)</i>	800 ~ 2300	1000 ~ 2500	1150 ~ 2800	
<i>Capacity (no. of persons)</i>	13	15	16	
<i>Max. Traveling Distance (m)</i>	160	160	160	
<i>Diameter of Pulley (mm)</i>	φ 320, φ 400, φ 450, φ 480, φ 550, φ 560	φ 320, φ 400, φ 450, φ 550, φ 560	φ 320, φ 400, φ 450, φ 550, φ 560	
<i>Rated Speed (m/sec)</i>	1.0, 1.5, 1.6, 1.75, 2.0, 2.5, 3.0	1.0, 1.5, 1.6, 1.75, 2.0, 2.5, 3.0	1.0, 1.5, 1.6, 1.75, 2.0, 2.5, 3.0	
<i>Type of Motor</i>	GETM3.2D, GETM3.0H, GTEM3.5H, GETM6.0H, ER1L, GTW9A, GTW9S, GTNH2, MONA320, MONA400, MCK200	GETM3.5D, GTEM3.5H, GETM6.0H, ER2D, GTW9A, GTNH2, MONA320, MONA400, MONA450, MCK200	GETM6.0H, ER2D, GTW9A, GTNH2, MONA400, MONA450, MCK300	
<i>Min-max. Car Dimensions (Area m²)</i>	2.17 ~ 2.40	2.45 ~ 2.64	2.60 ~ 2.89	
<i>Type of Doors</i>	Automatic power operated central opening door or Automatic power operated side opening door			
<i>Guide Rail of the Car</i>	T75/B, T89/B, T90/B	T89/B, T90/B, T114/B		
<i>Guide Rail of the Counterweight</i>	TK5A, T75/B, T89/B	TK5A, T75/B, T89/B, T90/B		
<i>Counterweight Balance Coefficient</i>	0.4-0.5			
<i>Distance Between Brackets (car guide rails) (m)</i>	2.5(max.)			
<i>Number of wire Rope</i>	5, 6, 7	5, 6, 8	5, 6, 7, 8	
<i>Wire Rope Diameter (mm)</i>	φ 8, φ 10, φ 13	φ 8, φ 10, φ 13	φ 8, φ 10, φ 13	
<i>Suspension Type (Ratio)</i>	2:1			
<i>Compensation Chain</i>	Available			





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<i>Technical Specifications</i>	<i>Parameters / Range</i>	
<i>Type of Lift</i>	<i>Machine Room Passenger Lift</i>	
<i>Type of Driving System</i>	<i>Traction</i>	
<i>Machine Room Position</i>	<i>Up</i>	
<i>Controller Type</i>	<i>NICE 3000new, KN-100-Y, KN-100-W</i>	
<i>Permissible Rated Load mass (kg)</i>	1350	1600
<i>Car Weight(kg)</i>	1150 ~ 2800	1300 ~ 3000
<i>Capacity (no. of persons)</i>	18	21
<i>Max. Traveling Distance (m)</i>	160	160
<i>Diameter of Pulley (mm)</i>	$\phi 320, \phi 400, \phi 410, \phi 450, \phi 485,$ $\phi 550, \phi 560$	
<i>Rated Speed (m/sec)</i>	1.0, 1.5, 1.6, 1.75, 2.0, 2.5, 3.0	
<i>Type of Motor</i>	<i>GETM5.0D, GETM6.0H, ER3,</i> <i>GTW10X, GTNH2, MONA400,</i> <i>MONA450, MCK300</i>	
<i>Min-max. Car Dimensions (Area m²)</i>	2.85 ~ 3.06	
<i>Type of Doors</i>	<i>Automatic power operated central opening door or Automatic power operated side opening door</i>	
<i>Guide Rail of the Car</i>	<i>T89/B, T90/B, T114/B, T127-1/B</i>	
<i>Guide Rail of the Counterweight</i>	<i>TK5A, T75/B, T89/B, T90/B</i>	
<i>Counterweight Balance Coefficient</i>	0.4-0.5	
<i>Distance Between Brackets (car guide rails) (m)</i>	2.5(max.)	
<i>Number of wire Rope</i>	5, 7, 8, 9	6, 7, 8, 10
<i>Wire Rope Diameter (mm)</i>	$\phi 8, \phi 10, \phi 13$	
<i>Suspension Type (Ratio)</i>	2:1	
<i>Compensation Chain</i>	Available	





ANNEX B

CERTIFICATE No.: LIMB.0157
Safety Components Specification

<i>Safety Component Description</i>	<i>Model / Manufacturer / Certificate data</i>
Safety Gear	CB300/Suzhou Ling Ao Electromechanical Co., Ltd./ 1469/TE/30.06.2020
	CB302/Suzhou Ling Ao Electromechanical Co., Ltd./ 1470/TE/30.06.2020
	OX-188/Ningbo Aodepu Elevator Components Co., Ltd./ LF/KSA/A-C-0133/17
	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
	OX-188A/Ningbo Aodepu Elevator Components Co., Ltd./ LF/KSA/A-C-0245/21
	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
	AQ1/Shijiazhuang Tong'an Machinery Co., Ltd./ LF/KSA/A-C-0144/17
	AQ2/Shijiazhuang Tong'an Machinery Co., Ltd./ LF/KSA/A-C-0147/17
Overspeed Governor	AQ32KB/Shijiazhuang Tong'an Machinery Co., Ltd./ LF/KSA/A-C-0103/16
	HN7000/Hangzhou Huning Elevator Parts Co., Ltd./EU-SG 933/2
	OX-187/Ningbo Aodepu Elevator Components Co., Ltd./ LF/KSA/A-C-0127/17
	OX-240/Ningbo Aodepu Elevator Components Co., Ltd./ LF/KSA/A-C-0129/17
	OX-240F/Ningbo Aodepu Elevator Components Co., Ltd./ LF/KSA/A-C-0130/17
	GV240/Suzhou Ling Ao Electromechanical Co., Ltd./ 1468/TE/29.06.2020
	XSW/Shijiazhuang Tong'an Machinery Co., Ltd./ LF/KSA/A-C-0158/17
Landing Door Locking Device	XS1/Shijiazhuang Tong'an Machinery Co., Ltd./ LF/KSA/A-C-0094/16
	XS3/Shijiazhuang Tong'an Machinery Co., Ltd./ LF/KSA/A-C-0185/17
	IL-32161, IL-32161-1/Ningbo OULING Elevator Components Co., Ltd./ LF/KSA/A-C-0093/16
	MS209/C2/Suzhou Eshine Elevator Components Co., Ltd./ EU-DL 1022
	MS209/S2/Suzhou Eshine Elevator Components Co., Ltd./ EU-DL 1023
	XTA-3A/Hangzhou Optimax Tech Co., Ltd./ SCMB.0110





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Safety Component Description	Model / Manufacturer / Certificate data
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
	YHB/70/ Shijiazhuang Tong'an Machinery Co., Ltd./ LF/KSA/A-C-0085/16
	YHB/160/ Shijiazhuang Tong'an Machinery Co., Ltd./ LF/KSA/A-C-0086/16
	YHB/210/ Shijiazhuang Tong'an Machinery Co., Ltd./ LF/KSA/A-C-0087/16
	YHA/275/ Shijiazhuang Tong'an Machinery Co., Ltd./ LF/KSA/A-C-0088/16
	YHA/425/ Shijiazhuang Tong'an Machinery Co., Ltd./ LF/KSA/A-C-0089/16
	YH/80/ Shijiazhuang Tong'an Machinery Co., Ltd./ LF/KSA/A-C-0109/17
	YH/640/ Shijiazhuang Tong'an Machinery Co., Ltd./ LF/KSA/A-C-0156/17
	YH/830/ Shijiazhuang Tong'an Machinery Co., Ltd./ LF/KSA/A-C-0157/17
	YH/1080/ Shijiazhuang Tong'an Machinery Co., Ltd./ LF/KSA/A-C-0162/17
	YHB/175/ Shijiazhuang Tong'an Machinery Co., Ltd./ LF/KSA/A-C-0281/22
	LD-CE-01/ Shanghai Green Shield Plastic& Rubber Co., Ltd./ LF/KSA/A-C-0140/17
	LD-CE-03/ Shanghai Green Shield Plastic& Rubber Co., Ltd./ LF/KSA/A-C-0142/17
	LD-CE-04/ Shanghai Green Shield Plastic& Rubber Co., Ltd./ LF/KSA/A-C-0143/17
	HHP8113/ Zhenjiang Chaoyang Electromechanical Scientifical Co., Ltd./ SCMB.0082rev1





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Safety Component Description	Model / Manufacturer / Certificate data
<i>Safety Circuits Containing Electronic Components</i>	MCTC-SCB-D/ Suzhou Inovance Technology Co., Ltd./ SCMB.0120
<i>Ascending Car Overspeed Protection Means</i>	ZZD2-480/ Zhejiang Xizi Forvorda Electric Machinery Co, Ltd./ LF/KSA/A-C-0263/20
	ZZD1-2000/ Zhejiang Xizi Forvorda Electric Machinery Co, Ltd./ EU-BD 1026
	DZD1-500/ Zhejiang Xizi Forvorda Electric Machinery Co, Ltd./ EU-BD 1025/1
	DZD1-653/ Zhejiang Xizi Forvorda Electric Machinery Co, Ltd./ EU-BD 931/1
	ZZD1-550/ Zhejiang Xizi Forvorda Electric Machinery Co, Ltd./ EU-BD 1024/1
	SPZ800A/ Suzhou Torin Drive Equipment Co., Ltd./ EU-BD 930/1
	SPZ800B/ Suzhou Torin Drive Equipment Co., Ltd./ EU-BD 965/1
	FZD14/ Suzhou Torin Drive Equipment Co., Ltd./ EU-BD 1033
	PZD140/ Suzhou Torin Drive Equipment Co., Ltd./ EU-BD 968/1
	PZD140B/ Suzhou Torin Drive Equipment Co., Ltd./ EU-BD 1065/1
	FZD12C/ Suzhou Torin Drive Equipment Co., Ltd./ EU-BD 1032/1
	PZ1600B/ Suzhou Torin Drive Equipment Co., Ltd./ EU-BD 939/2
	FZD12A/ Suzhou Torin Drive Equipment Co., Ltd./ EU-BD 991
	SPZ300C/ Suzhou Torin Drive Equipment Co., Ltd./ EU-BD 1097
	EMK7K, EMK9K, EMK12K/ Suzhou Mona Drive Equipment Co., Ltd./ NL17-400-1002-263-01 rev.4
	EMM1K, EMM2K/ Suzhou Mona Drive Equipment Co., Ltd./ NL17-400-1002-263-02 rev.2
	EMM600/ Suzhou Mona Drive Equipment Co., Ltd./ NL17-400-1002-263-03 rev.1
<i>Unintended Car Movement Protection Means (UCMP)</i>	MCTC-SCB-D/ Suzhou Inovance Technology Co., Ltd./ SCMB.0120
	ZZD2-480/ Zhejiang Xizi Forvorda Electric Machinery Co, Ltd./ LF/KSA/A-C-0263/20
	ZZD1-2000/ Zhejiang Xizi Forvorda Electric Machinery Co, Ltd./ EU-BD 1026
	DZD1-500/ Zhejiang Xizi Forvorda Electric Machinery Co, Ltd./ EU-BD 1025/1
	DZD1-653/ Zhejiang Xizi Forvorda Electric Machinery Co, Ltd./ EU-BD 931/1
	ZZD1-550/ Zhejiang Xizi Forvorda Electric Machinery Co, Ltd./ EU-BD 1024/1





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Safety Component Description	Model / Manufacturer / Certificate data
Unintended Car Movement Protection Means (UCMP) (Continued)	SPZ800A/Suzhou Torin Drive Equipment Co., Ltd./EU-BD 930/1
	SPZ800B/Suzhou Torin Drive Equipment Co., Ltd./EU-BD 965/1
	FZD14/Suzhou Torin Drive Equipment Co., Ltd./EU-BD 1033
	PZD140/Suzhou Torin Drive Equipment Co., Ltd./EU-BD 968/1
	PZD140B/Suzhou Torin Drive Equipment Co., Ltd./EU-BD 1065/1
	FZD12C/Suzhou Torin Drive Equipment Co., Ltd./EU-BD 1032/1
	PZ1600B/Suzhou Torin Drive Equipment Co., Ltd./EU-BD 939/2
	FZD12A/Suzhou Torin Drive Equipment Co., Ltd./EU-BD 991
	SPZ300C/Suzhou Torin Drive Equipment Co., Ltd./EU-BD 1097
	EMK7K, EMK9K, EMK12K/Suzhou Mona Drive Equipment Co., Ltd./NL17-400-1002-263-01 rev.4
	EMM1K, EMM2K/Suzhou Mona Drive Equipment Co., Ltd./NL17-400-1002-263-02 rev.2
	EMM600/Suzhou Mona Drive Equipment Co., Ltd./NL17-400-1002-263-03 rev.1

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.

