Certificate No.
10.03.5320

Date of Issue
24/12/2024

Valid From
24/12/2024

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

Applicant's Name	:	*SANYO ELEVATOR CO., LTD.*
Applicant's Address	:	*No.559, Yue Luo Road, Baoshan District, Shanghai, P.R. China*
Manufacturer's Name	:	*SANYO ELEVATOR CO., LTD.*
Manufacturer's Address	:	*No.559, Yue Luo Road, Baoshan District, Shanghai, P.R. China*
Product Type	:	*Machine Roomless Passenger Lift*
Product Model	:	*NIP-TKJW (Technical Description Attached)* *Annex A: Technical Specifications* *Annex B: List of Safety Components Certificates*
Directives/Standards	:	*2014/33/EU,* *EN 81-20:2020, EN 81-50:2020*
Checklist Report No.	:	*10.03.5320R*

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.

On behalf of EUROCERT S.A.,

EUROCERT, SIFONIOS
Director of International Markets

INSPECTOR

CHAD WANG

Check the validity of the Certificate by scanning the QR code at right.
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Product Certification
Cert. No.: 21

ΔΠ13.6/Ε20/16-01-2014

ANNEX A

CERTIFICATE No.: 10.03.5320
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}, NP-VF		
Permissible Rated Load (kg)	450	630	800
Car Weight (kg)	800 ~ 1300	800 ~ 1300	850 ~ 1300
Max. Capacity (no. of persons)	6	8	10
Max. Traveling Distance (m)	60	60	60
Diameter of Traction Sheave (mm)	ϕ320, ϕ325	ϕ320, ϕ325, ϕ400	ϕ320, ϕ400, ϕ450, ϕ480
Rated Speed (m/sec)	1.0, 1.5, 1.6, 1.75		
Type of Motor	GTW7A, MCK100, MONA320	GTW7A, GTW9S, FRD40WA, GETM3.0H, MCK100, MCK200, MONA320	GTW9A, GTW9S, FRD40WA, GETM3.0H, GETM3.5H, GETM3.2D, MCK200, MONA320
Min.-Max. Car Dimensions (Area m^2)	1.17 ~ 1.26	1.45 ~ 1.625	1.73 ~ 1.96
Type of Doors	Automatic power operated central opening door or Automatic power operated side opening door		
Guide Rail of the Car	T75-3/B, T82-3/B, T89-1/B, T90/B		T82-3/B, T89-1/B, T90/B, T114/B
Guide Rail of the Counterweight	TK5A, T75-3/B, T82-3/B, T89-1/B, T90/B		
Counterweight Balance Coefficient	0.4 ~ 0.5		
Distance Between Brackets (car guide rails) (m)	2.5 (max.)		
Number of wire Rope	4	4, 5	6
Wire Rope Diameter (mm)	ϕ8	ϕ8, ϕ10	ϕ10
Suspension Type (Ratio)	2:1		
Compensation Chain	Available		

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Product Certification Cert. No.: 21

ANNEX A

CERTIFICATE No.: 10.03.5320
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}, NP-VF*		
Permissible Rated Load (kg)	*1000*	*1150*	*1250*
Car Weight (kg)	*900 ~ 1400*	*1000 ~ 1500*	*1100 ~ 1700*
Max. Capacity (no. of persons)	*13*	*15*	*16*
Max. Traveling Distance (m)	*60*	*60*	*60*
Diameter of Traction Sheave (mm)	*ϕ320, ϕ400, ϕ450, ϕ480*	*ϕ320, ϕ340, ϕ400, ϕ450, ϕ485*	*ϕ400, ϕ450, ϕ485, ϕ550*
Rated Speed (m/sec)	*1.0, 1.5, 1.6, 1.75*		
Type of Motor	*GTW9A, GTW9S, FRD40WA, GETM3.0H, GETM3.5H, GETM3.2D, MCK200, MONA320*	*GTW10X, GTW9A, GTW9S, FRD40W, GETM3.5H, GETM3.5D, MCK200, MONA320*	*GTW10X, GTW9A, FRD40W, GETM5.0H, GETM6.0H, MCK300, MONA400*
Min.-Max. Car Dimensions (Area m²)	*2.15 ~ 2.40*	*2.43 ~ 2.70*	*2.57 ~ 2.89*
Type of Doors	*Automatic power operated central opening door or Automatic power operated side opening door*		
Guide Rail of the Car	*T82-3/B, T89-1/B, T90/B, T114/B*		
Guide Rail of the Counterweight	*TK5A, T75-3/B, T82-3/B, T89-1/B, T90/B*		
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, 8*	*6, 7, 8*
Wire Rope Diameter (mm)	*ϕ8, ϕ10*	*ϕ8, ϕ10*	*ϕ10*
Suspension Type (Ratio)	*2:1*		
Compensation Chain	*Available*		

EUROPEAN INSPECTION AND CERTIFICATION COMPANY S.A. EURO CERT N.B. 1128

ANNEX A

CERTIFICATE No.: 10.03.5320
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}, NP-VF		
Permissible Rated Load (kg)	1350	1600	2000
Car Weight (kg)	1200 ~ 1800	1300 ~ 1900	1500 ~ 2000
Max. Capacity (no. of persons)	18	21	26
Max. Traveling Distance (m)	60	60	60
Diameter of Traction Sheave (mm)	ϕ400, ϕ410, ϕ450, ϕ485, ϕ550	ϕ400, ϕ410, ϕ450, ϕ485, ϕ550	ϕ400, ϕ410, ϕ450, ϕ480
Rated Speed (m/sec)	1.0, 1.5, 1.6, 1.75		
Type of Motor	GTW10X, FRD40W, GETM5.0H, GETM6.0H, MONA400, MCK300	GTW10X, FRD40W, FRD45D, GETM6.0H, MCK300, MONA400	GTW10X, FRD45D, GETM6.0H, MCK500, MONA450
Min.-Max. Car Dimensions (Area m^2)	2.85 ~ 3.06	3.245 ~ 3.50	3.82 ~ 4.20
Type of Doors	Automatic power operated central opening door or Automatic power operated side opening door		
Guide Rail of the Car	T82-3/B, T89-1/B, T90/B, T114/B, T127-1/B		
Guide Rail of the Counterweight	TK5A, T75-3/B, T82-3/B, T89-1/B, T90/B		
Counterweight Balance Coefficient	0.4 ~ 0.5		
Distance Between Brackets (car guide rails) (m)	2.5 (max.)		
Number of wire Rope	7, 8	7, 8, 9	7, 8, 9, 10
Wire Rope Diameter (mm)	ϕ10	ϕ10	ϕ10, ϕ12
Suspension Type (Ratio)	2:1		
Compensation Chain	Available		

EUROPEAN INSPECTION AND CERTIFICATION COMPANY S.A. EURO CERT N.B. 1128

ANNEX B

CERTIFICATE No.: 10.03.5320

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-210B/ Ningbo Aodepu Elevator Components Co., Ltd./ LF/KSA/A-C-0138/17
	QJB2500/ Hangzhou Huning Elevator Parts Co., Ltd./ EU-SG 950/2
	QJB2500C/ Hangzhou Huning Elevator Parts Co., Ltd./ EU-SG 934/2
	HN2500B1/ Hangzhou Huning Elevator Parts Co., Ltd./ SCMB.0342
	HN7000/ Hangzhou Huning Elevator Parts Co., Ltd./ EU-SG 933/2
	AQ11A/ HeBei Dongfang Fuda Machinery Co., Ltd./№1168K/TE/23.04.2019
	AQ11B/ HeBei Dongfang Fuda Machinery Co., Ltd./ EU-SG 888
	AQ11C/ HeBei Dongfang Fuda Machinery Co., Ltd./ EU-SG 889
	AQ11D/ HeBei Dongfang Fuda Machinery Co., Ltd./ EU-SG 890
Overspeed Governor	*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
	XSW/ Shijiazhuang Tong'an Machinery Co., Ltd./ LF/KSA/A-C-0158/17
	OX-240F/ Ningbo Aodepu Elevator Components Co., Ltd./ LF/KSA/A-C-0130/17
	OX-187/ Ningbo Aodepu Elevator Components Co., Ltd./ LF/KSA/A-C-0127/17
Landing Door Locking Device	*IL-32161, IL-32161-1/ Ningbo OULING Elevator Components Co., Ltd./ LF/KSA/A-C-0093/16*
	OMS210/ Ningbo OULING Elevator Components Co., Ltd./ SCMB.0401
	MKG161-01/ NBSL Elevator Components Co., Ltd./ EU-DL 1021/2
	MKG161-01(2S)/ NBSL Elevator Components Co., Ltd./ EU-DL 1042/2
	MKG161-01(4CO)/ NBSL Elevator Components Co., Ltd./ EU-DL 1041/2
	KS209/C2/ Suzhou Eshine Elevator Components CO., LTD./ EU-DL 763
	KS209/S2/ Suzhou Eshine Elevator Components CO., LTD./ EU-DL 795
	MS209/C2/ Suzhou Eshine Elevator Components CO., LTD./ EU-DL 1022
	MS209/S2/ Suzhou Eshine Elevator Components CO., LTD./ EU-DL 1023
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

EUROPEAN INSPECTION AND CERTIFICATION COMPANY S.A. EUROCERT N.B. 1128

ANNEX B

CERTIFICATE No.: 10.03.5320

Safety Components Specification

Safety Component Description	*Model / Manufacturer / Certificate data*
Buffer (Continued)	*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
	HYF80B/ Hangzhou Huning Elevator Parts Co., Ltd./ EU-B 061/2
	HYF175A/ Hangzhou Huning Elevator Parts Co., Ltd./ EU-B 062/2
	HYF210C1/ Hangzhou Huning Elevator Parts Co., Ltd./ EU-B 067/2
	HYF275E/ Hangzhou Huning Elevator Parts Co., Ltd./ EU-B 068/2
	HYF425E/ Hangzhou Huning Elevator Parts Co., Ltd./ EU-B 069/2
	HYF80F/ Hangzhou Huning Elevator Parts Co., Ltd./ SCMB.0337
	HYF175F/ Hangzhou Huning Elevator Parts Co., Ltd./ SCMB.0338
	HYF210F/ Hangzhou Huning Elevator Parts Co., Ltd./ SCMB.0339
	HYF275F/ Hangzhou Huning Elevator Parts Co., Ltd./ SCMB.0340
	HYF425F/ Hangzhou Huning Elevator Parts Co., Ltd./ SCMB.0341
	YH45/70/ HeBei Dongfang Fuda Machinery Co., Ltd./ EU-B 102
	YH46/155/ HeBei Dongfang Fuda Machinery Co., Ltd./ EU-B 103
	YH47/207/ HeBei Dongfang Fuda Machinery Co., Ltd./ EU-B 104
	YH48/270/ HeBei Dongfang Fuda Machinery Co., Ltd./ EU-B 105
	YH49/425/ HeBei Dongfang Fuda Machinery Co., Ltd./ EU-B 106
	YH51/80/ HeBei Dongfang Fuda Machinery Co., Ltd./ EU-B 107
	YH52/175/ HeBei Dongfang Fuda Machinery Co., Ltd./ EU-B 108
	YH53/220/ HeBei Dongfang Fuda Machinery Co., Ltd./ EU-B 109
	YH54/280/ HeBei Dongfang Fuda Machinery Co., Ltd./ EU-B 110
	YH55/435/ HeBei Dongfang Fuda Machinery Co., Ltd./ EU-B 111
	YH85/630/ HeBei Dongfang Fuda Machinery Co., Ltd./ EU-B 112
Ascending Car Overspeed Protection Means	*EMK7K-2x425Nm, EMK9K-2x975Nm, EMM1K-2x2150Nm/ Suzhou Mona Drive Equipment Co, Ltd. (Shanghai)/ NL 17-400-1002-263-01 rev.4*
	EMM1K-2×1400Nm, EMM2K-2×2500Nm/ Suzhou Mona Drive Equipment Co, Ltd. (Shanghai)/ NL 17-400-1002-263-02 rev.2

EUROPEAN INSPECTION AND CERTIFICATION COMPANY S.A. EURO CERT N.B. 1128

ANNEX B

CERTIFICATE No.: 10.03.5320

Safety Components Specification

Safety Component Description	*Model / Manufacturer / Certificate data*
Ascending Car Overspeed Protection Means (Continued)	*EMM600-2x750Nm/ Suzhou Mona Drive Equipment Co, Ltd. (Shanghai)/ NL 19-400-1002-263-03 rev.1*
	ZZD2-480/ Zhejiang Xizi Forvorda Electrical Machinery Co., Ltd./ LF/KSA/A-C-0263/20
	DZD1-500/ Zhejiang Xizi Forvorda Electrical Machinery Co., Ltd./ EU-BD 1025/1
	DZD1-653/ Zhejiang Xizi Forvorda Electrical Machinery Co., Ltd./EU-BD 931/1
	DZD1-500/ Zhejiang Xizi Forvorda Electrical Machinery Co., Ltd./ EU-BD 1025/1
	FZD10/ Suzhou Torin Drive Equipment Co., Ltd./ EU-BD 846
	FZD12A/ Suzhou Torin Drive Equipment Co., Ltd./ EU-BD 991
	FZD12C/ Suzhou Torin Drive Equipment Co., Ltd./ EU-BD 1032/1
	FZD14/ Suzhou Torin Drive Equipment Co., Ltd./ EU-BD 1033
	VED40/ Zhejiang Furder Drive Technology Co., Ltd./ SCMB.0175 rev.4
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
Unintended Car Movement Protection Means (UCMP)	*EMK7K-2x425Nm, EMK9K-2x975Nm, EM12K-2x2150Nm/ Suzhou Mona Drive Equipment Co, Ltd. (Shanghai)/ NL 17-400-1002-263-01 rev.4*
	EMM1K-2×1400Nm, EMM2K-2×2500Nm/ Suzhou Mona Drive Equipment Co, Ltd. (Shanghai)/ NL 17-400-1002-263-02 rev.2
	EMM600-2x750Nm/ Suzhou Mona Drive Equipment Co, Ltd. (Shanghai)/ NL 19-400-1002-263-03 rev.1
	ZZD2-480/ Zhejiang Xizi Forvorda Electrical Machinery Co., Ltd./ LF/KSA/A-C-0263/20
	DZD1-500/ Zhejiang Xizi Forvorda Electrical Machinery Co., Ltd./ EU-BD 1025/1
	DZD1-653/ Zhejiang Xizi Forvorda Electrical Machinery Co., Ltd./EU-BD 931/1
	DZD1-500/ Zhejiang Xizi Forvorda Electrical Machinery Co., Ltd./ EU-BD 1025/1
	FZD10/ Suzhou Torin Drive Equipment Co., Ltd./ EU-BD 846
	FZD12A/ Suzhou Torin Drive Equipment Co., Ltd./ EU-BD 991
	FZD12C/ Suzhou Torin Drive Equipment Co., Ltd./ EU-BD 1032/1
	FZD14/ Suzhou Torin Drive Equipment Co., Ltd./ EU-BD 1033
	VED40/ Zhejiang Furder Drive Technology Co., Ltd./ SCMB.0036 rev.5
	MCTC-SCB-A1/ Suzhou Inovance Technology Co., Ltd./ SCMB.0119
	MCTC-SCB-D/ Suzhou Inovance Technology Co., Ltd./ SCMB.0120

EUROPEAN INSPECTION AND CERTIFICATION COMPANY S.A. EUROCERT N.B. 1128

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.

EUROPEAN INSPECTION AND CERTIFICATION COMPANY S.A.
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