

Certificato di esame UE di tipo

Certificate of EU-type examination

n. **ECM LC-B-2023-SS36**

Rilasciato i sensi della direttiva 2014/33/UE – Allegato IVa – Modulo B

Issued according to 2014/33/EU directive – Annex IVa – Module B

Questo certificato consta di 1 pagina e 1 Allegato (I)

This certificate consist of 1 page and 1 Annex (I)



PRD N° 0118 B

Membro degli Accordi di Mutuo Riconoscimento
EA, IAF e ILAC



Fabbricante:

Manufacturer:

Indirizzo:

Address:

ZHEJIANG SURAPID ELEVATOR CO., LTD.

Room 301, Building 9, No. 1332 Wanguo Road, Economic and Technological Development Zone, Jiaxing, Zhejiang, P.R.China

Detentore del certificato:

Certificate holder:

Indirizzo:

Address:

ZHEJIANG SURAPID ELEVATOR CO., LTD.

Room 301, Building 9, No. 1332 Wanguo Road, Economic and Technological Development Zone, Jiaxing, Zhejiang, P.R.China

L'ECM, Organismo Notificato n° 1282, in conformità all'art. 15 della Direttiva 2014/33/UE del Parlamento Europeo e del Consiglio del 26 Febbraio 2014, certifica che questo componente di sicurezza, verificato secondo la procedura di cui all'allegato IV, è conforme ai requisiti essenziali di sicurezza e di tutela della salute, definiti nell'allegato I della Direttiva.

The ECM, Notified Body No. 1282, in accordance with Article 15 of the Directive 2014/33/EU of the European Parliament and the Council 26th February 2014, certifies that this safety component, verified in accordance with the procedure referred to Annex IV, complies with the essential health and safety requirements, defined in Annex I of the Directive.

Componente di sicurezza: Ascensore passeggeri con sala macchine separata

Safety component: Passenger elevator with separate machine room

Rif. Allegato IV n.:

2

Ref. to Annex IV no.:

Nome/Tipo/Modello:

SJ-Victor

Name/Type/Model:

Rated load: 250kg-2000kg, rated speed: 1.0-4.0m/s

Numero di matricola:

ZJSJE2023CE01 & ZJSJE2023CE05

Serial number:

Annotazioni

Notes

Data della domanda:

2023.12.01

Date of submission:

Data e numero del rapporto di prova:

2023.12.01

Date and number of test report:

EU-TR230048

Laboratorio di prova:

Test laboratory:

Report allegato n.:

EU-TR230048

Annex report n.:

Norme applicate:

EN 81-20:2020, EN 81-50:2020

Applied standards:

Valsamoggia (BO)

Data – Date: 04/12/2023

Data di validità – Date of validity:

03/12/2028

Timbro

Stamp



Firma autorizzata

Authorized signature

Amanda Payne (Deputy Manager)

Nel caso in cui si intenda apportare modifiche all'componente di sicurezza (anche se minime) o al processo produttivo, il fabbricante è tenuto ad informare immediatamente Ente Certificazione Macchine srl e ad attendere di ricevere parere positivo, in caso contrario la validità del presente attestato decade.

Where there is the willing to make changes to the safety component (although minimal) or to the production process, the manufacturer is obliged to immediately inform Ente Certificazione Macchine srl and to wait its positive response, otherwise the validity of this certificate void.

Allegato I /Annex I

al certificato di esame del tipo n°:
to type-examination certificate no.:

ECM LC-B-2023-SS36

Questo Allegato consta di 9 pagine
This Annex consists of 9 pages



PRD N° 0118 B

Membro degli Accordi di Mutuo Riconoscimento
EA, IAF e ILAC



1 Storia del certificato – Certificate history

Questo è il certificato originale
This is the original certificate

2 Prodotti coperti dal certificato – Products covered by this certificate

Prodotto - Product	Tipo - Type
Passenger elevator with separate machine room	SJ-Victor Rated load: 250kg-2000kg, rated speed: 1.0-4.0m/s

Dati tecnici - Technical data

Type:	SJ-Victor				
Rated load [kg]:	250	320	400	630	800
Number of persons:	3	4	5	8	10
Car width [mm]:	800	950	1150	1400	1400
Car depth [mm]:	900	975	900	1030	1350
Useful area of the car max. [m²]:	0.77	0.94	1.17	1.66	2.00
Door width [mm]:	800				
Door height [mm]:	2000 - 2600				
Max. mass of car [kg]:	850	870	900	1100	1200 / 1400
Traction machine:	GETM1.9 / GETM3.0H/GETM3.0Pro				GETM3.0Pro / GETM3.0H / GETM3.5H
Position of the traction machine (gearless):	Machine room Overhead				
Controller:	Full selective collective control				
Max rated speed [m/s]:	1.0			1.75	2.5
Max. number of stops:	16			32	42
Max. number of accesses to the car:	2				
Counterweight balance:	47.5±2.5%				
Diameter of suspension ropes [mm]:	8 or 10				8 or 10
Number of suspension ropes:	4 or 5				5 or 6
Min. breaking load of suspension ropes [N]:	28100 or 44000				44000
Diameter of speed governor rope [mm]:	6.3			6.3 or 8	
Min. breaking load of governor rope [N]:	21200			21200 or 28100	
Suspension:	2:1				
Wrapping angle [°]:	159				
Groove type:	Semi-circular undercut				
Undercut angle β [°]:	96				96 / 90
Groove angle [°]:	35				35 / 25
Min. Head room[mm]:	4300			4500	
Min. pit depth [mm]:	1400			1500	
Guide rails car:	T75-3/B			T75-3/B or T82-3/B	T75-3/B or T82-3/B or T89-1/B or T114/B
Guide rails counterweight:	TK3A or TK5A			TK3A or TK5A or T75-3/B	
Distance between theguide shoes of the car [mm]:	943	1093	1293	1543	
Distance between the guide shoes of the counterweight [mm]:	850			1000	1200
Max. distance between guide brackets [mm]:	2500				
Max. travel height [m]:	50			90	120

Type:	SJ-Victor				
Rated load [kg]:	1000	1150	1350	1600	2000
Number of persons:	13	15	18	21	26
Car width [mm]:	1600	2000			
Car depth [mm]:	1500	1350	1550	1750	1900
Useful area of the car max. [m²]:	2.4	2.7	3.1	3.56	4.2
Door width [mm]:	900	1100			
Door height [mm]:	2000 - 2600				
Max. mass of car [kg]:	1300/1600	1600	1700	1800	2000
Traction machine:	GETM3.0Pro GETM3.0H GETM3.5H	GETM3.5H GETM6.0H	GETM6.0H or GETM8.0H		
Position of the traction machine (gearless):	Machine room Overhead				
Controller:	Full selective collective control				
Max rated speed [m/s]:	3.0				2.5
Max. number of stops:	54				45
Max. number of accesses to the car:	2				
Counterweight balance:	47.5±2.5%				
Diameter of suspension ropes [mm]:	8 or 10 or 13				
Number of suspension ropes:	5 or 6 or 7	5 or 6 or 7 or 8 or 9			
Min. breaking load of suspension ropes [N]:	28100 or 44000 or 74300				
Diameter of speed governor rope [mm]:	6.3 or 8.0				8.0
Min. breaking load of governor rope [N]:	21200 or 28100	21200 or 29100			29100
Suspension:	2:1				
Wrapping angle [°]:	159				
Groove type:	Semi-circular undercut				
Undercut angle β [°]:	96/90/85				
Groove angle [°]:	35/25				
Min. Head room[mm]:	4500				5050
Min. pit depth [mm]:	1500				2050
Guide rails car:	T75-3/B or T82-3/B or T89-1/B or T114/B		T114/B	T114/B or T127-2/B	T127-2/B
Guide rails counterweight:	TK3A or TK5A or T75-3/B			T75-3/B	
Distance between theguide shoes of the car [mm]:	1743	2143			
Distance between the guide shoes of the counterweight [mm]:	1200				1400
Max. distance between guide brackets [mm]:	2500				
Max. travel height [m]:	150				

Type:	SJ-Victor		
Rated load [kg]:	1000/1050		
Rated speed [m/s]:	3.0	3.5	4.0
Number of persons:	13/14		
Car width [mm]:	1600		
Car depth [mm]:	1400	1500	
Useful area of the car max. [m²]:	2.4/2.5		
Door width [mm]:	900		
Door height [mm]:	2000 - 2600		
Max. mass of car [kg]:	1950	2700	2700
Traction machine:	GETM6.0H or GETM12C	GETM12C or GETM15C	
Position of the traction machine (gearless):	Machine room		
Controller:	Full selective collective control		
Max. number of stops:	45	54	64
Max. number of accesses to the car:	2		
Counterweight balance:	47.5±2.5%		
Diameter of suspension ropes [mm]:	10 or 13	13	
Number of suspension ropes:	5 or 6	6	
Min. breaking load of suspension ropes [N]:	44000	103100	
Diameter of speed governor rope [mm]:	8		
Min. breaking load of governor rope [N]:	28100		
Suspension:	2:1		
Wrapping angle [°]:	160 or 325	325	
Groove type:	Semicircular or Semicircular with undercut	Semicircular	
Undercut angle β [°]:	96	96	
Groove angle [°]:	35 or 0	0	
Min. Head room [mm]:	5200	5300	5600
Min. pit depth [mm]:	1800	3350	3600
Guide rails car:	T114/B	T127-2/B	
Guide rails counterweight:	T75/B		
Distance between the guide shoes of the car [mm]:	1643	1765	
Distance between the guide shoes of the counterweight [mm]:	1000/1200/1308		
Max. distance between guide brackets [mm]:	2000		
Max. travel height [m]:	150	180	200

Type:	SJ-Victor		
Rated load [kg]:	1150		
Rated speed [m/s]:	3.0	3.5	4.0
Number of persons:	15		
Car width [mm]:	2000	1600	
Car depth [mm]:	1350	1500	
Useful area of the car max. [m²]:	2.7		
Door width [mm]:	1100	1000	
Door height [mm]:	2000 - 2600		
Max. mass of car [kg]:	2100	2800	2800
Traction machine:	GETM6.0H or GETM12C	GETM12C or GETM15C	
Position of the traction machine (gearless):	Machine room		
Controller:	Full selective collective control		
Max. number of stops:	45	54	64
Max. number of accesses to the car:	2		
Counterweight balance:	47.5±2.5%		
Diameter of suspension ropes [mm]:	10 or 13	13	
Number of suspension ropes:	7 or 6	6	
Min. breaking load of suspension ropes [N]:	44000	103100	
Diameter of speed governor rope [mm]:	8		
Min. breaking load of governor rope [N]:	28100		
Suspension:	2:1		
Wrapping angle [°]:	160 or 325	325	
Groove type:	Semicircular or Semicircular with undercut	Semicircular	
Undercut angle β [°]:	96	96	
Groove angle [°]:	35 or 0	0	
Min. Head room [mm]:	5200	5300	5600
Min. pit depth [mm]:	1800	3350	3600
Guide rails car:	T114/B	T127-2/B	
Guide rails counterweight:	T75/B		
Distance between the guide shoes of the car [mm]:	2143	2165	
Distance between the guide shoes of the counterweight [mm]:	1000/1200/1308		
Max. distance between guide brackets [mm]:	2000		
Max. travel height [m]:	150	180	200

Type:	SJ-Victor		
Rated load [kg]:	1350		
Rated speed [m/s]:	3.0	3.5	4.0
Number of persons:	18		
Car width [mm]:	2000	1750	
Car depth [mm]:	1550	1750	
Useful area of the car max. [m²]:	3.1		
Door width [mm]:	1100	1000	
Door height [mm]:	2000 - 2600		
Max. mass of car [kg]:	2300	2950	2950
Traction machine:	GETM6.0H or GETM12C	GETM12C or GETM15C	
Position of the traction machine (gearless):	Machine room		
Controller:	Full selective collective control		
Max. number of stops:	45	54	64
Max. number of accesses to the car:	2		
Counterweight balance:	47.5±2.5%		
Diameter of suspension ropes [mm]:	10 or 13	13	
Number of suspension ropes:	8 or 7 or 6	6	
Min. breaking load of suspension ropes [N]:	44000	103100	
Diameter of speed governor rope [mm]:	8		
Min. breaking load of governor rope [N]:	28100		
Suspension:	2:1		
Wrapping angle [°]:	160 or 325	325	
Groove type:	Semicircular or Semicircular with undercut	Semicircular	
Undercut angle β [°]:	96	96	
Groove angle [°]:	35 or 0	0	
Min. Head room [mm]:	5200	5300	5600
Min. pit depth [mm]:	1800	3350	3600
Guide rails car:	T114/B	T127-2/B	
Guide rails counterweight:	T75/B		
Distance between the guide shoes of the car [mm]:	2143	2165	
Distance between the guide shoes of the counterweight [mm]:	1000/1200/1308		
Max. distance between guide brackets [mm]:	2000		
Max. travel height [m]:	150	180	200

Type:	SJ-Victor		
Rated load [kg]:	1600		
Rated speed [m/s]:	3.0	3.5	4.0
Number of persons:	21		
Car width [mm]:	2000		
Car depth [mm]:	1750		
Useful area of the car max. [m²]:	3.56		
Door width [mm]:	1100		
Door height [mm]:	2000 - 2600		
Max. mass of car [kg]:	2750	3200	3200
Traction machine:	GETM6.0H or GETM12C	GETM12C or GETM15C	
Position of the traction machine (gearless):	Machine room		
Controller:	Full selective collective control		
Max. number of stops:	45	54	64
Max. number of accesses to the car:	2		
Counterweight balance:	47.5±2.5%		
Diameter of suspension ropes [mm]:	10 or 13	13	
Number of suspension ropes:	8 or 6	6	
Min. breaking load of suspension ropes [N]:	44000 or 103100	103100	
Diameter of speed governor rope [mm]:	8		
Min. breaking load of governor rope [N]:	28100		
Suspension:	2:1		
Wrapping angle [°]:	160 or 325	325	
Groove type:	Semicircular or Semicircular with undercut	Semicircular	
Undercut angle β [°]:	96	96	
Groove angle [°]:	35 or 0	0	
Min. Head room [mm]:	5200	5300	5600
Min. pit depth [mm]:	1800	3350	3600
Guide rails car:	T114/B	T127-2/B	
Guide rails counterweight:	T75/B		
Distance between the guide shoes of the car [mm]:	2143	2165	
Distance between the guide shoes of the counterweight [mm]:	1000/1200/1308		
Max. distance between guide brackets [mm]:	2000		
Max. travel height [m]:	150	180	200

Type:	SJ-Victor		
Rated load [kg]:	2000		
Rated speed [m/s]:	3.0	3.5	4.0
Number of persons:	26		
Car width [mm]:	2000		
Car depth [mm]:	1750		
Useful area of the car max. [m²]:	4.2		
Door width [mm]:	1100		
Door height [mm]:	2000 - 2600		
Max. mass of car [kg]:	2750	3200	3380
Traction machine:	GETM12C	GETM12C or GETM15C	
Position of the traction machine (gearless):	Machine room		
Controller:	Full selective collective control		
Max. number of stops:	45	54	64
Max. number of accesses to the car:	2		
Counterweight balance:	47.5±2.5%		
Diameter of suspension ropes [mm]:	13	13	
Number of suspension ropes:	6	6	
Min. breaking load of suspension ropes [N]:	44000 or 103100	103100	
Diameter of speed governor rope [mm]:	8		
Min. breaking load of governor rope [N]:	28100		
Suspension:	2:1		
Wrapping angle [°]:	325	325	
Groove type:	Semicircular	Semicircular	
Undercut angle β [°]:	96	96	
Groove angle [°]:	0	0	
Min. Head room [mm]:	5200	5300	5600
Min. pit depth [mm]:	1800	3350	3600
Guide rails car:	T114/B	T127-2/B	
Guide rails counterweight:	T75/B		
Distance between the guide shoes of the car [mm]:	2143	2165	
Distance between the guide shoes of the counterweight [mm]:	1000/1200/1308		
Max. distance between guide brackets [mm]:	2000		
Max. travel height [m]:	150	180	200

List of the applicable safety components

Safety gear up to max. V = 4.0 m/s rated speed

Type	Certificate No.	Notified Body	Permissible total weight of car, rated load, travelling cable [kg]	Surface condition of guide rail	Manufacturer
FSGJ30A	No. 668/IT/20.06.2016	2201	750-3200	Machined oiled and dry	Xizi Forvorda
FSGJ30B	No. 669/IT/20.06.2016	2201	900-3200	Machined oiled and dry	
QJB2500	EU-SG 950/2	0036	Dry: 1200~4672 Oil: 1200~6000	Machined Dry or Oil	Hangzhou Huning
HN2500B1	SCMB.0342	1128	950 - 3200	Machined and oiled and dry	
HN2500C	EU-SG 934/2	0036	817 - 3652	Machined and oiled	
HN7000	EU-SG 933/2	0036	1528 - 5891	Machined and Dry	
HN7000A	EU-SG 990/2	0036	1671 - 5845	Machined and Dry	

Ascending car over speed protection acting in upward direction

Type	Certificate No.	Notified Body	Permissible Brake torque (Nm)	Max. tripping rotary speed (rpm)	Manufacturer
DZD1-500	EU-BD 1025/1	0036	2x668 – 2x1000 Nm	223 - 274 rpm	Xizi Forvorda
DZD1-653	EU-BD 931/1	0036	3100 – 3676 Nm	274 - 266	
DZD1-21800	LF/KSA/A-C-0237/19	0437	2 x 2715 Nm	0.58 - 3.23m/s	
DZD2	LF/KSA/A-C-0283/22	0437	2 X 837	251	
			2 X 832	212	
			2 X 992	293	
EC-5415SM	EU-BD 1028	0036	2 X 1856 Nm	359	
EC-4023EF	EU-BD 1027	0036	2 X 2254 Nm	359	

Over speed governor

Type	Certificate No.	Notified Body	Tripping speed (m/s)	Comment	Manufacturer
XSQ115-02	EU-OG 263/2	0036	0.32 - 3.55	Used as arresting device acting in down direction; rope: 6 - 8 mm	Ningbo Shenling
FOG250A	No. 676/WT/25.07.2016	2201	0.98 - 3.22	Used as arresting device acting in down direction; rope: 6.3/8 mm	Zhejiang Xizi Forvorda
XS1	No. 1855/TE/03.03.2022	2201	1.41 - 4.68	Used as arresting device acting in down direction; rope: 8 mm	Hebei Dongfang
XS1	LF/KSA/A-C-0094/16	0437	2.33 – 5.06	Used as arresting device acting in down direction; rope: 8 mm	ShiJiaZhuang Tong'An

Energy dissipation type buffers for car and counterweight

Type	Certificate No.	Notified Body	Permissible total weight (kg)	Impact speed (m/s)	Number	Manufacturer
FHB80A	LF/KSA/A-C-0230/19	0437	600 - 3000	1.15	1 or 2 for car 1 or 2 for cw	Zhejiang Xizi Forvorda
FHB175A	LF/KSA/A-C-0231/19	0437	600 - 3000	1.84	1 or 2 for car 1 or 2 for cw	
FHB206A	LF/KSA/A-C-0232/19	0437	600 - 3000	2.01	1 or 2 for car 1 or 2 for cw	
FHB275A	LF/KSA/A-C-0325/23	0437	600 - 4000	-	1 or 2 for car 1 or 2 for cw	
FHB425A	LF/KSA/A-C-0326/23	0437	600 - 4000	-	1 or 2 for car 1 or 2 for cw	
HYF80F	SCMB.0337	1128	600 - 3000	1.15	1 or 2 for car 1 or 2 for cw	Hangzhou Huning
HYF175F	SCMB/0338	1128	700-3000	1.83	1 or 2 for car 1 or 2 for cw	
HYF210F	SCMB/0339	1128	600 - 3500	2.02	1 or 2 for car 1 or 2 for cw	
HYF275F	SCMB/0340	1128	860 - 3500	2.34	1 or 2 for car 1 or 2 for cw	
HYF425F	SCMB.0341	1128	860 - 3500	2.88	1 or 2 for car 1 or 2 for cw	
YH/640	LF_KSA_A_C_0156_17	0437	900 – 4550	3.45	1 or 2 for car 1 or 2 for cw	ShiJiaZhuang Tong'An
YH/830	LF_KSA_A_C_0157_17	0437	900 – 4550	4.03	1 or 2 for car 1 or 2 for cw	
YH/1080	LF_KSA_A_C_0162_17	0437	1250 – 4550	4.6	1 or 2 for car 1 or 2 for cw	

Locking devices for landing doors

Type	Certificate No.	Notified Body	Type of landing doors	Manufacturer
KS-3	SCMB.0351	1128	Central and side opening Landing door locking device	Ningbo Lilong
3201-HYDRA series 01/C	ATV 286/10	0036	Central or One Side Opening Sliding Landing door locking device	Wittur
3201-HYDRA EVO series of 01/C	ATV 286/10	0036	Central or One Side Opening Sliding Landing door locking device	
3201-SCORPION series of 01/C	ATV 286/10	0036	Central or One Side Opening Sliding Landing door locking device	
HYDRA 02/C	TÜV-A-AT-1-05-0130-FKTV-4	0408	Central or One Side Opening Sliding Car door locking device	
XTA-3A	SCMB.0360	1128	Central or One Side Opening Sliding Landing door locking device	Hangzhou Optimax
XTA-CS02	TEC.0038	1128	Central or One Side Opening Sliding Car door locking device	

Electric safety devices in the form of safety circuits containing electronic components.

Type	Certificate-No.	Notified Body	Max response time	Manufacturer
LVCT1	SCMB.0360	1128	17 ms	Hangzhou OPTIMAX
LIMAX33CP-00	EU-ESD 030	0036	-	ELGO Electronic

3 Applicabilità e Limitazioni – Applications and limitations

Questo certificato si riferisce soltanto alla Direttiva Ascensori. Potrebbero essere applicate anche altre direttive concernenti altri fenomeni, anche avendo i requisiti relativi alla marcatura CE.

This certificate only relates to lifts directive. Other directives, covering other phenomena, also having requirements related to CE marking, might also app.

4 Documentazione tecnica – Technical documentation

2023012010001

Termini e condizioni

Il certificato è soggetto ai seguenti termini e condizioni:

- In caso di danni causati da prodotti difettosi, la direttiva 85/374/CEE, come modificata, è applicabile
- Il certificato è valido solo per il prodotto di cui sopra
- Il certificato è valido solo con il progetto del prodotto

Possono rendere questo certificato non valido:

- Modifiche nella progettazione o costruzione del prodotto
- Modifiche alla direttiva di riferimento
- Cambiamenti nella norma che costituisce la base per documentare la conformità ai requisiti essenziali della direttiva

Dichiarazione di conformità e marcatura del prodotto

Al fine di soddisfare pienamente i requisiti della direttiva e giuridicamente apporre la marcatura CE, il fabbricante deve adottare tutte le misure necessarie per assicurare che il prodotto fabbricato è conforme alla documentazione tecnica e ai requisiti della direttiva e redige una dichiarazione CE di conformità.

Terms and conditions

The certificate is subject to the following terms and conditions:

- *in case of damages caused by defective products, directive 85/374/EEC, as amended, will apply*
- *the certificate is only valid for the product listed above*
- *the certificate is concerned with the design of the product, only*

The following may render this certificate invalid:

- *changes in the design or construction of the product*
- *changes to the referenced directive*
- *changes in the standard which form the basis for documenting compliance with the essential requirements of the directive*

Conformity declaration and marking of product

In order to fully meet with the requirements of the directive and legally affix the CE mark, the manufacturer must take all measures necessary to ensure that manufactured product complies with the technical documentation and with the requirements of the directive and finally draws up an CE declaration of conformity.

FINE DEL CERTIFICATO - END OF CERTIFICATE