

Certificato di esame UE di tipo

Certificate of EU-type examination

n. **ECM LC-B-2023-SW63**

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 senza sala macchine separata

Safety component: Passenger elevator without separate machine room

Rif. Allegato IV n.:

2

Ref. to Annex IV no.:

Nome/Tipo/Modello:

SJ-Victor MRL

Name/Type/Model:

Rated load: 250kg-2000kg, rated speed: 1.0-2.5m/s

Numero di matricola:

ZJSJE2023CE02

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-TR230049

Laboratorio di prova:

Test laboratory:

Report allegato n.:

EU-TR230049

Annex report n.:

Norme applicate:

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

Applied standards:

Valsamoggia (BO)

Data – Date: 11/12/2023

Data di validità – Date of validity: 10/12/2028

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-SW63

Questo Allegato consta di 5 pagine
This Annex consists of 5 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 without separate machine room	SJ-Victor MRL Rated load: 250kg-2000kg, rated speed: 1.0-2.5m/s

Dati tecnici - Technical data

Type:	SJ-Victor MRL			
Rated load [kg]:	250	320	400	450
Number of persons:	3	4	5	6
Car width [mm]:	900	1000		
Car depth [mm]:	850	950	1100	
Useful area of the car max. [m²]:	0.77	0.94	1.17	1.3
Door width [mm]:	700	750		
Door height [mm]:	2000 - 2600			
Max. mass of car [kg]:	800	900	1000	1020
Traction machine:	GETM1.9 / GETM3.0H			
Position of the traction machine (gearless):	Overhead			
Controller:	Full selective collective control			
Max rated speed [m/s]:	1.0			
Max. number of stops:	16			
Max. number of accesses to the car:	2			
Counterweight balance:	47.5±2.5%			
Diameter of suspension ropes [mm]:	8			
Number of suspension ropes:	4			
Min. breaking load of suspension ropes [N]:	28100			
Diameter of speed governor rope [mm]:	6.3			
Min. breaking load of governor rope [N]:	21200			
Suspension:	2:1			
Wrapping angle [°]:	Min. 164.2			
Groove type:	Semi-circular undercut			
Undercut angle β [°]:	96			
Groove angle [°]:	35			
Min. Head room [mm]:	3900			
Min. pit depth [mm]:	1600			
Guide rails car:	T75/B			
Guide rails counterweight:	TK3A or TK5A			
Distance between the guide shoes of the car [mm]:	1048	1148		
Distance between the guide shoes of the counterweight [mm]:	550/700/1200			
Max. distance between guide brackets [mm]:	2500			
Max. travel height [m]:	50			

Type:	SJ-Victor MRL				
Rated load [kg]:	630	680	800	900	1000
Number of persons:	8	9	10	12	13
Car width [mm]:	1050	1150	1350	1450	1550
Car depth [mm]:	1410				
Useful area of the car max. [m²]:	1.48	1.6	1.9	2.0	2.19
Door width [mm]:	750	800		900	
Door height [mm]:	2000 - 2600				
Max. mass of car [kg]:	1150	1200	1250	1300	1350
Traction machine:	GETM3.0H or GETM3.0Pro or GETM3.5H or GETM3.0D or GETM3.2DS				
Position of the traction machine (gearless):	Overhead				
Controller:	Full selective collective control				
Max rated speed [m/s]:	1.75		2.5		
Max. number of stops:	32		42		
Max. number of accesses to the car:	2				
Counterweight balance:	47.5±2.5%				
Diameter of suspension ropes [mm]:	8 or 10				
Number of suspension ropes:	5 or 6 or 7 or 8				
Min. breaking load of suspension ropes [N]:	28100 or 44000				
Diameter of speed governor rope [mm]:	6.3 or 8.0				
Min. breaking load of governor rope [N]:	21200 or 28100				
Suspension:	2:1				
Wrapping angle [°]:	Min. 164.2				
Groove type:	Semi-circular undercut				
Undercut angle β [°]:	96 or 90				
Groove angle [°]:	35 or 30 or 25				
Min. Head room [mm]:	3900				
Min. pit depth [mm]:	1600				
Guide rails car:	T82-3/B or T89-1/B or T114/B				
Guide rails counterweight:	TK3A or TK5A				
Distance between the guide shoes of the car [mm]:	1193	1293	1493	1593	1693
Distance between the guide shoes of the counterweight [mm]:	700/1200				
Max. distance between guide brackets [mm]:	2500				
Max. travel height [m]:	90	125			

Type:	SJ-Victor MRL				
Rated load [kg]:	1150	1250	1350	1600	2000
Number of persons:	15	16	18	21	26
Car width [mm]:	1700	1700	1800	2000	
Car depth [mm]:	1550	1650	1650	1750	1900
Useful area of the car max. [m²]:	2.69	2.87	3.1	3.57	4.2
Door width [mm]:	1000		1100		
Door height [mm]:	2000 - 2600				
Max. mass of car [kg]:	1625	1850	1900	1950	2200
Traction machine:	GETM3.5H GETM5.0D	GETM6.0H or GETM8.0H			
Position of the traction machine (gearless):	Overhead				
Controller:	Full selective collective control				
Max rated speed [m/s]:	2.5				
Max. number of stops:	42				
Max. number of accesses to the car:	2				
Counterweight balance:	47.5±2.5%				
Diameter of suspension ropes [mm]:	10				13
Number of suspension ropes:	5 or 6 or 7 or 8				6 or 7
Min. breaking load of suspension ropes [N]:	44000				74300
Diameter of speed governor rope [mm]:	6.3 or 8.0				
Min. breaking load of governor rope [N]:	21200 or 28100				
Suspension:	2:1				
Wrapping angle [°]:	180				
Groove type:	Semi-circular undercut				
Undercut angle β [°]:	96 or 90				
Groove angle [°]:	35 or 25				
Min. Head room [mm]:	4200				
Min. pit depth [mm]:	1600				
Guide rails car:	T82-3B or T89-1/B or T114/B	T114/B	T114/B or T127-2/B	T127-2/B	
Guide rails counterweight:	T75-3/B				
Distance between the guide shoes of the car [mm]:	1843	1943	2143		
Distance between the guide shoes of the counterweight [mm]:	850				1400
Max. distance between guide brackets [mm]:	2000				
Max. travel height [m]:	125				

List of the applicable safety components

Safety gear up to max. V = 2.5 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
QJB2500	EU-SG 950/2	0036	1200 - 4672	Machined and dry	Hangzhou Huning
			1200 - 6000	Machined and oiled	
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	
HN2500B1	SCMB.0342	1128	950 - 3200	Machined and oiled and dry	Hangzhou Huning

Ascending car over speed protection acting in upward direction

Type	Certificate No.	Notified Body	Permissible Brake torque (Nm)	Max. tripping rotary speed (rpm)	Manufacturer
ZZD1-550	EU-BD 1024/1	0036	2 X 780 – 2 X 765 Nm	278 rpm	Zhejiang Xizi Forvorda
ZSD1-770	LF/KSA/A-C-0293/22	0437	2 X 770 Nm	315 rpm	
DZD1-500	EU-BD 1025/1	0036	2x668 – 2x1000 Nm	223 - 274 rpm	
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	
ZZD1-1100	EU-BD 1086	0036	2 x 1100 Nm	384	

Over speed governor

Type	Certificate No.	Notified Body	Tripping speed (m/s)	Comment	Manufacturer
XSQ115-13	EU-OG 276/2	0036	0.58 – 3.34	Used as arresting device acting in down direction; rope: 6 - 8 mm	Ningbo Shenling
FOG250A	No. 676/IT/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	

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	Hangzhou Optimax
XTA-3A	SCMB.0360	1128	Central or One Side Opening Sliding Landing door locking device	
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

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

2023012010002

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