









## TYPE-EXAMINATION REPORT

Report No.2012AF0747

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Name of production _	Lift Ascerding Car Overspeed Frotection Wearis
Model/Type _	EC-4026EF-100
Client _	Shenyang Bluelight Drive Technology Co.,Ltd.
Manufacturer	Shenyang Bluelight Drive Technology Co. Ltd.

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Name		Lift Ascending Ca	r Overspeed Protection Mea	eed Protection Means		
Type Code		EC-4026EF-100	EC-4026EF-100			
Sample No.		20120638	Date of manufacture	1		
Reducing man	ner	Braking the shaft	Product No.	1		
Type test suspension ratio		0 1:1	Speed monitoring unit	Overspeed governo		
Balance factor		0.4-0.5	Tripping manner	electrical		
Reset means		electrical	I	/		
		Type test sus	pension ratio 1:1			
Rated speed(r	n/s)	0.5-8.0	Tripping speed(m/s)	0.575-9.2		
Rated load (kg	J)	1000-4000	Car-side mass(kg)	2800-4020		
Counterweight mass(kg)	t-side	3300-6020	Permissible mass(P+W) (kg)	6100-10040		
Client		same side. Additional mass is sum of the mass of accompanied cable, suspending compensation chains etc.  Shenyang Bluelight Drive Technology Co.,Ltd.				
Client	Address	No.37 Shiji Road,Hunnan New Distrct,Shenyang,China				
	Name	Shenyang Bluelight D	henyang Bluelight Drive Technology Co.,Ltd.			
Manufacturer	Address	No.37 Shiji Road,Huni	o.37 Shiji Road,Hunnan New Distrct,Shenyang,China			
Place of inspection	Jiangsu A	lpha Lift Co.,Ltd.	Sample condition	Normal		
Date of inspection	2012-12-22		Type of inspection	Type-Examination		
Condition of inspection	Temperat	ure: 8.8℃, humidity: 4	4%RH Inspection item	All suitable item		
Standard for Inspection	TSG T7001-2005 Regulation for Type Tests of Elevators & GB7588-2003 Safe rules for the construction and installation of electric lifts (eqv. EN81_1:1998)					
Conclusion	By the Type-Examination, the product is confirmed to be in accordance with TS 17001-2005 Regulation for Type Tests of Elevators & GE7588-2003 Safety rule for the construction and installation of electric lifts (eqv [EN81-11998] (stamp)  Date if issued 12016-1226					

Approved by 74 un- le Reviewed by 1/4, #1

Inspected by 18 74 3

## 1 Test Result

No	Item No.	ltem Description Inspection result		Conclusion
1	1.1	The compose model of the ascending car overspeed protection means	overspeed governor -brake device	passed
2	1.2	The position where the decelerating element to grip	Braking the shaft	passed
3	2	The tripping speed of the speed monitoring unit 0.575m/s-9.		passed
4	3.1	The structure of the ascending car overspeed protection means	meet the requirement	passed
5	the decelerating element	a. Check braking function	meet the requirement	passed
6		b. The maximum of the deceleration of the car in upwards direction	0.484 g <sub>n</sub>	passed
7		the de	c. Check the braking function after release	meet the requirement
8	3.2	d. Check the sample after test	meet the requirement	passed
9	4.1	The else requirements when the gear to be drive with the outside force	meet the requirement	passed
10	4.2	The electrical protection device	meet the requirement	passed
11	4.4	Check how to reset	meet the requirement	passed
Ex	plain	The max. tripping speed 9.2m/s is the nominal vigovernor of the sample elevator.	alue on the nameplate of t	he overspee

## 2 Test data

2.1 Brake device should be tested four times with the rated speed 0.5m/s,rated load 1000kg,

Test No.	The maximum tripping speed (m/s)	The average deceleration (g <sub>n</sub> )	The maximum deceleration (g <sub>n</sub> )	The braking distance(mm)
1	0.50	0.445	0.483	29
2	0.77	0.426	0.484	71
3	0.85	0.389	0.433	95

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4	0.71	0.406	0.456	63
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2.2 Brake device should be tested one time with the rated speed 4.0m/s,rated load 1250kg, (P+W)= 8860 kg.

Test No.	The maximum tripping speed (m/s)	The average deceleration (g <sub>n</sub> )	The maximum deceleration (g <sub>n</sub> )	The braking distance(m)
1	5.62	0.251	0.286	7.64

2.3 Brake device should be tested four times with the rated speed8.0m/s,rated load 4000kg,

#### (P+W)=100040 kg.

Test No.	The maximum tripping speed (m/s)	The average deceleration (g <sub>n</sub> )	The maximum deceleration (g <sub>n</sub> )	The braking distance(m)
1	9.0	0.120	0.143	45.23
2	9.0	0.115	0.135	45.07
3	9.7	0.114	0.167	49.87
4	9.1	0.096	0.135	47.82

2.4 The car could be stopped after all above tests, the brake device has no permanent deformation.

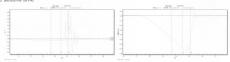
# 3 Test Graphs

3.1 Brake device should be tested four times with the rated speed 0.5m/s, rated load 1000kg, (P+W)= 6100kg.

## The first time

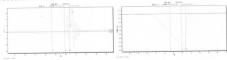


## The second time



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## The fourth time



3.2 Brake device should be tested one time with the rated speed 4.0m/s,rated load 1250kg, (P+W)= 8860kg.



3.3 Brake device should be tested four times with the rated speed 8.0m/s,rated load 4000kg, (P+W)=10040 kg.

## The first time

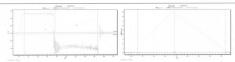


The second time

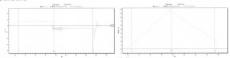
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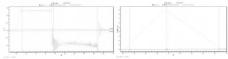
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## The third time



## The fourth time



## 4 Photo of the sample



## 5 The major instruments

No.	Name	Order code	Remark
1	PMT 测试仪	AM/DT/0306	1









(stamp)



## TYPE-EXAMINATION CERTIFICATE

Certificate No. TX F350-038-12 0658

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Product, type: Lift Ascending Car Overspeed Protection Means, EC-4026EF-100

Name and address of certificate Holder: Shenyang Bluelight Drive Technology Co., Ltd.

No.37 Shiji Road, Hunnan New Distrct, Shenyang, China

Manufacturer's name & address: Shenyang Bluelight Drive Technology Co., Ltd.

No.37 Shiji Road, Hunnan New Distrct, Shenyang, China

Date of Submission for Type-Examination: 2012-12-15

Test place: Jiangsu Alpha Lift Co.,Ltd.
Inspection Report No. 2012AF0747

Date of Inspection: 2012-12-22

The following documents, bearing the type-examination number shown above, are annexed to

this certificate: Inspection report No. 2012AF0747

Any additional information: (see the attached file:F350-038-12 0658)

Certificate issued on the basis of the following requirement:

TSG T7001-2005 Regulation for Type Tests of Elevators

GB7588-2003 Safety rules for the construction and installation of electric lifts (eqv. EN81-1:1998)

The type examination passed.

The approved body address: No. 1032, Honggang Road, Luchu District, Shenzhen, China

Date of Issued: 2012-12-2

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Note: 1 this certificate is for confirmation of the product type, only responsible for the tested samples.

2 the certificate holder shall ensure the consistency of his products to the standards as well as to the certified samples.

Table

Table of mair	parameter	'S			
Name		Lift Ascending Car Ove	rspeed Protection Mean	S	
Type code		EC-4026EF-100	Reducing manner	Braking the shaft	
Speed monitoring unit		overspeed governor	Type test suspension ratio	1:1	
Balance factor		0.4-0.5	Tripping manner	electrical	
Reset means	3	electrical	1	1	
		Type test su	spension ratio 1:1		
Rated speed	(m/s)	0.5-8.0	Tripping speed(m/s)	0.575-9.2	
Rated load (I	(g)	1000-4000	Car-side mass(kg)	2800-4020	
Counterweight -side mass(kg)		3300-6020	Permissible mass(P+W) (kg)	6100-10040	
Explain		ix. tripping speed 9.2m/s is the nominal value on the nameplate of the overspeed or of the sample elevator.			
Additional remarks	The max. tripping speed 9.2m/s is the nominal value on the nameplate of the oversp governor of the sample elevator.  Principles of coverage for traction machine brakes:  Brakes of the same series of specification are tested in accordance with I applicable ranges of the system mass, rates loads of the lifts and speed. The sal series of specification "means that in terms of the construction of the brake, the size components relevant to the amount of the braking force, the action manner and I permissible location for assembly and applicable operation environment, two brak are exactly identical with each other.  Applicable range of system mass, car side mass, counterweight side mass, rat load and rated speed of lifts with different ratios of suspension are determined by I following formula:  Applicable range of system mass = range of system mass in type test × act suspension ratio - type test suspension ratio  Applicable range of car side mass = range of car side mass in type test × act suspension ratio - type test suspension ratio  Applicable range of counterweight side mass = counterweight side mass in type test × act suspension ratio - type test suspension ratio  Applicable range of rated load = range of rated load in type test × act suspension ratio + type test suspension ratio  Applicable range of rated load = range of rated speed in type test × act suspension ratio + type test suspension ratio  Applicable range of rated load = range of rated speed in type test × act suspension ratio + type test suspension ratio  Applicable range of rated load = range of rated speed in type test × act suspension ratio + type test suspension ratio  Applicable range of rated load = range of rated speed in type test × act suspension ratio + type test suspension ratio  Applicable range of rated load = range of rated speed in type test × act suspension ratio + type test suspension ratio			he lifts and speed. The samucution of the brake, the size one, the action manner and the tition environment, two brakes ounterweight side mass, rated enterining by the mass in type test × actual ide mass in type test × actual interveight side mass in type to a load in type test × actual is speed in type test × actual is the contraction in the care in type test × actual is the contraction in the care in type test × actual is the	

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