

Escalators & Moving Walks

according to BS EN ISO 25745-1:2012, BS EN ISO 25745-3:2015

Manufacturer : NANTONG FUJI ELEVATOR CO.,LTD.
(Name & Address) No.688, Lianxi Avenida, Lianshi, Nanxun, Huzhou, Zhejiang, China
Test Location : No.518, Zhenzhong Road, Zhaoxiang Town, Qingpu District, Shanghai, China
Unit Type : Escalator
Unit Model : FHE
Report No. : 086-03-011-00785

SWISS APPROVAL TECHNISCHE BEWERTUNG S.A. as an independent Inspection and Certification Body, hereby certify that the above mentioned unit was witnessed by the body during testing. Following the witness of testing and fullness examination of the unit, we confirm that the unit is eligible to be labelled with the energy efficiency class as following:

Manufacturer: NANTONG FUJI ELEVATOR CO.,LTD. Location: No.518, Zhenzhong Road, Zhaoxiang Town, Qingpu District, Shanghai, China Unit Type: Escalator Unit Model: FHE			Energy performance class
Nominal speed: 0.5 m/s Inclination Angle: 30° Rise 5.5 m Average No. of passengers: 2400 pers./d			
Reference power consumption: 2.68 kW	Unit power consumption: 1.67 kW	Energy performance ratio 63 %	
Operation Mode: 			
Date: 05/07/2017 Reference: BS EN ISO 25745-1:2012 BS EN ISO 25745-3:2015			Main energy consumption of unit: 21.5 kWh (up), 17.6 kWh (down)

This certificate is valid until 04/07/2027 without modification of the unit.

Simon Jiang

Inspector
Simon Jiang



George Paporidis
on behalf of Company
George Paporidis

能效证书

证书编号：086-03-026-00112

签发日期：13/07/2017

扶梯和人行道

依据 BS EN ISO 25745-1:2012, BS EN ISO 25745-3:2015

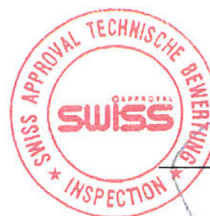
制造商：南通富士电梯有限公司
(名称和地址) 浙江省湖州市南浔区练市镇练溪大道 688 号
测试地点：上海市青浦区赵巷镇镇中路 518 号
电梯类型：扶梯
电梯型号：FHE
报告编号：086-03-011-00785

SWISS APPROVAL TECHNISCHE BEWERTUNG S.A. 作为独立的审核和认证机构，在此证明：以上的涉及的设备的测试是在本机构检验员的目击下进行的。依据目击的测试以及对设备的全面检查，我们确认此设备设备具有资格粘贴以下能效等级标识：

<p>制造商：南通富士电梯有限公司 地点：上海市青浦区赵巷镇镇中路 518 号 电梯类型：扶梯 电梯型号：FHE</p>	<p>能效等级</p>
<p>额定速度：0.5 m/s 倾斜角度：30° 提升高度：5.5 m 平均每天乘客数：2400 pers./d</p>	
<p>参考功率消耗：2.68 kW 设备功率消耗：1.70 kW 能效比率：63 %</p>	
<p>运行模式：</p>	
<p>日期: 05/07/2017 参考标准: BS EN ISO 25745-1:2012 BS EN ISO 25745-3:2015</p>	<p>设备每天的能量消耗为: 21.5 kWh (上行), 17.6 kWh (下行)</p>

此证书在设备未做变更的情况下有效期至 04/07/2027。

Simon Jiang
Inspector
Simon Jiang



George Paparidis
on behalf of Company
George Paparidis

TEST REPORT
ENERGY PERFORMANCE
Escalators & Moving Walks
According to BS EN ISO 25745-1 & -3

AR No. : 086-03-011-00785
Date of issue : 13/07/2017

Manufacturer NANTONG FUJI ELEVATOR CO.,LTD.
NO.688, LIANXI AVENIDA, LIANSHI, NANXUN, HUZHOU,
ZHEJIANG, CHINA

Operator NANTONG FUJI ELEVATOR CO.,LTD.
NO.688, LIANXI AVENIDA, LIANSHI, NANXUN, HUZHOU,
ZHEJIANG, CHINA

Date of application 05/07/2017

**Inspection Body /
Department** SWISS APPROVAL TECHNISCHE BEWERTUNG S.A.
Trapezountos & Digeni Akrita, Elefsina, 19200 Greece

Test object Escalator

Model FHE

Serial No. 2009-00067F

Test Specification BS EN ISO 25745-1:2012
BS EN ISO 25745-3:2015

Inspector
(Name & Signature): *Simon Jiang*
Simon Jiang
(13/07/2017)



1 Description of the Test Object

Escalator

Technical Data:

Unit Type	Escalator	Unit Model	FHE		
Date of Manufacture	2009.7	Unit Location	Indoor		
Unit Application	Commercial	Rise [m]	5.5		
Angle of inclination	30°	Length [m]	14.29		
Avg. No. of Passengers [pers./d]	2400	Step Width [mm]	1000		
Nominal Motor Speed [kW]	11	Nominal Speed [m/s]	0.5		
Usage Profile:					
Operation Mode	Power Off	Slow Speed	Auto Start	Continuous Operation	Units
t _{total}	-	24	-	24	h
t _{nominal speeds}	-	8	-	12	h
t _{standby}	-	12	-	12	h
t _{power_off}	-	0	-	0	h
t _{slow_speed}	-	4	-	0	h
t _{auto_start}	-	0	-	0	h
t _{ancillary}	-	0	-	0	h

2 Documents for the basis of the tests

- ◆ Application Form for Escalators & Moving Walks Energy Performance Certification
- ◆ BS EN ISO 25745-1:2012 Energy performance of lifts, escalators and moving walks Part 1: Energy measurement and verification
- ◆ BS EN ISO 25745-3:2015 Energy performance of lifts, escalators and moving walks Part 3: Energy calculation and classification of escalators and moving walks

3 Testing Procedures

3.1 Defaults

The applied procedure is described in BS EN ISO 25745-1:2012.

3.2 Tests in Detail

3.2.1 Measuring of energy consumption levels:

- Power measured in standby condition
- Power measured in auto start condition (if available)
- Power measured in slow speed condition (if available)
- Power measured in no load condition
- Power measured in ancillary equipment

4 Details of test procedure

4.1 Test location

No.518, Zhenzhong Road, Zhaoxiang Town, Qingpu District, Shanghai, China

4.2 Date of test

05/07/2017

4.3 Participants

Simon Jiang - SWISS APPROVAL TECHNISCHE BEWERTUNG S.A.

Wang Jun - NANTONG FUJI ELEVATOR CO.,LTD.

4.4 Inspections means which have been used

Fluke 1736 Power Logger / Serial Number: 35463682

5 Findings

The measurements have been carried out as described in BS EN ISO 25745-1:2012.

Number of Complete Revolutions: 3

Measurement Result	1	2	3
P _{standby} [kW]	0.049	0.049	0.049
P _{auto_start} [kW]	0.000	0.000	0.000
P _{slow_speed} [kW]	0.853	0.854	0.853
P _{no_load} [kW]	1.703	1.698	1.693
P _{ancillary} [kW]	0.000	0.000	0.000

6 Test result

Energy Consumption Based on Estimated Values	
Energy consumption	Test Result
E _{standby} [kWh]	2.4
E _{auto_start} [kWh]	-
E _{no_load} [kWh]	21.4
E _{slow_speed} [kWh]	5.4
E _{load_up} [kWh]	3.9
E _{load_down} [kWh]	0.0
E _{load_horizonta} [kWh]	-
E _{main_up} [kWh]	33.1
E _{mian_down} [kWh]	29.2
E _{main_horizontal} [kWh]	-

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Operation mode performance ratio	Test Result
Energy consumption of Continuous operation [kWh]	34.5
Energy consumption of Slow speed [kWh]	29.2
Operation mode performance ratio	84.5%

Energy performance classification	Test Result
P _{no_load_ref} [kW]	2.68
Energy Performance Ratio	63%
Energy Performance Class	A+

Verify Energy Consumption	
Energy Consumption	Test Result
E _{standby} [kWh]	0.59
E _{auto_start} [kWh]	0.0
E _{no_load} [kWh]	13.6
E _{slow_speed} [kWh]	3.4
E _{ancillary} [kWh]	-
E _{load_up} [kWh]	3.9
E _{load_down} [kWh]	0.0
E _{load_horizontal} [kWh]	-
E _{main_up} [kWh]	21.5
E _{main_down} [kWh]	17.6
E _{main_horizontal} [kWh]	-
E _{total_up} [kWh]	21.5
E _{total_down} [kWh]	17.6
E _{total_horizontal} [kWh]	-

7 Remarks

No ancillary equipment.

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