

*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.6805, Beiqing Road, Chonggu Town, Qingpu District, Shanghai, China  
**Unit Type** : Moving Walk  
**Unit Model** : FHM  
**Report No.** : 086-03-011-00786

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:

<b>Manufacturer:</b> NANTONG FUJI ELEVATOR CO.,LTD. <b>Location:</b> No.6805, Beiqing Road, Chonggu Town, Qingpu District, Shanghai, China <b>Unit Type:</b> Moving Walk <b>Unit Model:</b> FHM		<b>Energy performance class</b> 	
<b>Nominal speed:</b> 0.5 m/s <b>Inclination Angle:</b> 12° <b>Rise</b> 5.5 m <b>Average No. of passengers:</b> 2400 pers./d			
<b>Reference power consumption:</b> 3.70 kW	<b>Unit power consumption:</b> 2.27 kW		<b>Energy performance ratio</b> 61 %
<b>Operation Mode:</b> 			
Date: 05/07/2017 Reference: BS EN ISO 25745-1:2012 BS EN ISO 25745-3:2015		<b>Main energy consumption of unit:</b> <b>27.2 kWh (up), 22.8 kWh (down)</b>	

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

*Simon Jiang*  
 Inspector  
 Simon Jiang



*George Paparidis*  
 on behalf of Company  
 George Paparidis

# 能效证书

证书编号：086-03-026-00113

签发日期：13/03/2017

## 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溪大道 688 号  
测试地点：上海市青浦区重固镇北青公路 6805 号  
电梯类型：人行道  
电梯型号：FHM  
报告编号：086-03-011-00786

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：上海市青浦区重固镇北青公路 6805 号 电梯类型：人行道 电梯型号：FHM</p>	<p><b>能效等级</b></p>
<p>额定速度：0.5 m/s 倾斜角度：12° 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：3.70 kW 设备功率消耗：2.27 kW 能效比率：61 %</p>	
<p>运行模式：</p> <p>关闭电源 (X) 自动启动 (X) 低速运行 (✓)</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： <b>27.2 kWh (上行), 22.8 kWh (下行)</b></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. : 086-03-011-00786  
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

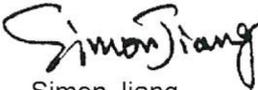
**Inspection Body / Department** SWISS APPROVAL TECHNISCHE BEWERTUNG S.A.  
Trapezountos & Digeni Akrita, Elefsina, 19200 Greece

**Test object** Moving Walk

**Model** FHM

**Serial No.** 2015-00276F

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

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



## 1 Description of the Test Object

Moving Walk

Technical Data:

Unit Type	Moving Walk	Unit Model	FHM		
Date of Manufacture	2015.8	Unit Location	Indoor		
Unit Application	Commercial	Rise [m]	5.5		
Angle of inclination	12°	Length [m]	28.92		
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 <sub>total</sub>	-	24	-	24	h
t <sub>nominal speeds</sub>	-	8	-	12	h
t <sub>standby</sub>	-	12	-	12	h
t <sub>power_off</sub>	-	0	-	0	h
t <sub>slow_speed</sub>	-	4	-	0	h
t <sub>auto_start</sub>	-	0	-	0	h
t <sub>ancillary</sub>	-	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 <sub>standby</sub> [kW]	0.042	0.042	0.042
P <sub>auto_start</sub> [kW]	0.000	0.000	0.000
P <sub>slow_speed</sub> [kW]	1.021	1.020	1.025
P <sub>no_load</sub> [kW]	2.273	2.270	2.269
P <sub>ancillary</sub> [kW]	0.000	0.000	0.000

#### 6 Test result

Energy Consumption Based on Estimated Values	
Energy consumption	Test Result
E <sub>standby</sub> [kWh]	2.4
E <sub>auto_start</sub> [kWh]	-
E <sub>no_load</sub> [kWh]	29.6
E <sub>slow_speed</sub> [kWh]	7.4
E <sub>load_up</sub> [kWh]	4.4
E <sub>load_down</sub> [kWh]	0.0
E <sub>load_horizonta</sub> [kWh]	-
E <sub>main_up</sub> [kWh]	43.8
E <sub>mian_down</sub> [kWh]	39.4
E <sub>main_horizontal</sub> [kWh]	-

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	Test Result
Energy consumption of Continuous operation [kWh]	46.8
Energy consumption of Slow speed [kWh]	39.4
Operation mode performance ratio	84.2%

Energy performance classification	Test Result
P <sub>no_load_ref</sub> [kW]	3.70
Energy Performance Ratio	61%
Energy Performance Class	<b>A+</b>

Verify Energy Consumption	
Energy Consumption	Test Result
E <sub>standby</sub> [kWh]	0.5
E <sub>auto_start</sub> [kWh]	-
E <sub>no_load</sub> [kWh]	18.2
E <sub>slow_speed</sub> [kWh]	4.1
E <sub>ancillary</sub> [kWh]	0.0
E <sub>load_up</sub> [kWh]	4.4
E <sub>load_down</sub> [kWh]	0.0
E <sub>load_horizontal</sub> [kWh]	-
E <sub>main_up</sub> [kWh]	27.2
E <sub>main_down</sub> [kWh]	22.8
E <sub>mian_horizontal</sub> [kWh]	-
E <sub>total_up</sub> [kWh]	27.2
E <sub>total_down</sub> [kWh]	22.8
E <sub>total_horizontal</sub> [kWh]	-

**7 Remarks**

No ancillary equipment.

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