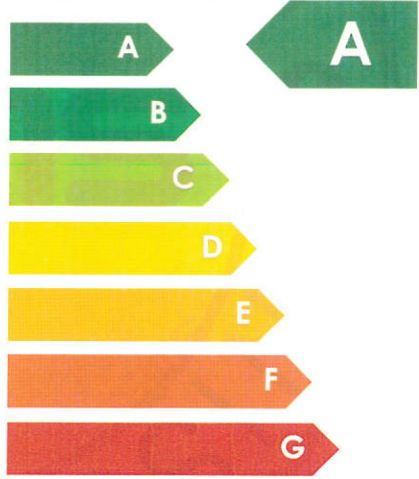


*Lifts Energy Efficiency
according to VDI 4707 Part 1*

Manufacturer : NANTONG FUJI ELEVATOR CO.,LTD.
(Name & Address) NO.688, LIANXI AVENIDA, LIANSHI, NANXUN, HUZHOU, ZHEJIANG, CHINA
Test Location : NO.688, LIANXI AVENIDA, LIANSHI, NANXUN, HUZHOU, ZHEJIANG, CHINA
Lift Type : Sightseeing Lift (Machine-Room-Less)
Lift Model : FHNO60
Report No. : **086-03-011-01124**

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

Manufacturer: NANTONG FUJI ELEVATOR CO.,LTD. Location: No.688, Lianxi Avenida, Lianshi, Nanxun, Huzhou, Zhejiang, China Lift Type: Sightseeing Lift (Machine-Room-Less) Lift Model: FHNO60		Energy efficiency class 
Nominal load: 1600 kg Nominal speed: 2.5 m/s Operating days per year: 365		
Standby Demand: 83.5 W (Energy demand class B)	Travel Demand: 0.523 mWh/(kg·m) (Energy demand class A)	
Usage category 3 according to VDI 4707 Comparison of energy efficiency classes is only possible under equal usage category.		
Date: 30/11/2017 Reference: VDI 4707 Part 1 (issue 03-2009)		Nominal demand per year for nominal values as shown: 4807 kWh

This certificate is valid until 29/11/2027 without modification of the lift.

Simon Jiang

Inspector
Simon Jiang


 on behalf of Company
 George Paparidis

能效证书

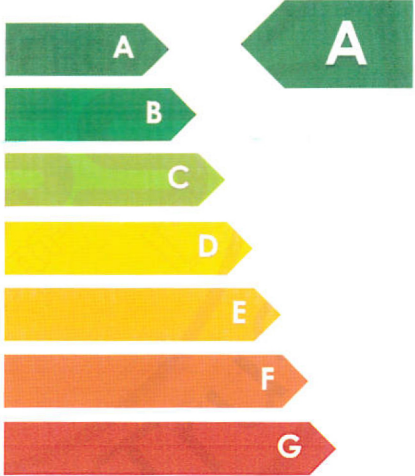
证书编号：086-03-026-00163

签发日期：06/12/2017

电梯能量效率
依据 VDI 4701 第一部分

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 : 浙江省湖州市南浔区练市镇练溪大道 688 号
电梯类型 : 无机房观光电梯
电梯型号 : FHNO60
报告编号 :

SWISS APPROVAL TECHNISCHE BEWERTUNG S.A. 作为独立的审核和认证机构，在此证明：以上的涉及的电梯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电梯的全面检查，我们确认此电梯设备具有资格粘贴以下能效等级标识：

制造商： 南通富士电梯有限公司 地点： 浙江省湖州市南浔区练市镇练溪大道 688 号 电梯类型： 无机房观光电梯 电梯型号： FHNO60		能量效率等级 
额定载重： 1600 kg 额定速度： 2.5 m/s 每年运行天数： 365		
待机功率需求： 83.5 W (能量需求等级 B)	特定运行能量需求： 0.523 kWh/(kg·m) (能量需求等级 A)	
根据 VDI 4707 使用类型 3 类 能效等级的比较只在同等使用类别的条件下。 日期: 30/11/2017 参考标准: VDI 4707 第一部分 (2009 年 3 月发行)		
		在额定标称值下的电梯每年额定需求: 4807 kWh

此证书在电梯未做变更的情况下有效期至 29/11/2027。

Simon Jiang

Inspector
Simon Jiang



on behalf of Company
George Papatidis

TEST REPORT
Lifts Energy Efficiency
According to VDI 4707 Part 1

AR No. : 086-03-011-01124
Date of issue : 06/12/2017

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 30/11/2017

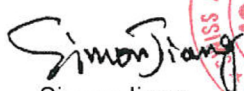
Inspection Body / Department SWISS APPROVAL TECHNISCHE BEWERTUNG S.A.
Trapezountos & Digeni Akrita, Elefsina, 19200 Greece


Test object Sightseeing Lift (Machine-Room-Less)

Type FHNB60

Serial No. 2016-07899

Test Specification VDI 4707 Part 1 (issue 03-2009)

Inspector
(Name & Signature): 
Simon Jiang
(05/12/2017)



TEST REPORT
Lifts Energy Efficiency
According to VDI 4707 Part 1

AR No. : 086-03-011-01124
Date of issue : 06/12/2017

1 Description of the Test Object

Sightseeing Lift (Machine-Room-Less)

Technical Data:

Lift Model	FHNO60	Series No.	2016-07899
Lifting Height [m]	55	Usage Category	3
Rated Speed [m/s]	2.5	Average Travel Time [h]	1.5
Mode of Drive	Tractor	Average Standby Time [h]	22.5
Nominal Load [kg]	1600	Load Factor: 0.7/1/1.2	0.7

Remark:

Load factor: factor=1 Load spectrum
factor= 0.7 Lifts with counterbalance weight (car weight plus 40 % to 50 % of the nominal weight)
factor= 1.2 Lifts without the compensation weight or a compensation weight of up to 30 % of the car weight

2 Documents for the basis of the tests

Application Form for Lifts Energy Efficiency Certification
VDI 4707 Part 1 Lifts - Energy efficiency, issued March 2009.

3 Testing Procedures

3.1 Defaults

The applied procedure is described in VDI 4707 part 1.

3.2 Tests in Detail

3.2.1 Measuring of energy consumption levels:

- In power circuit:
Standby [W], reference trip [Wh]
- In light circuit:
Standby [W], reference trip [Wh]

3.2.2 Determination of usage category:

by number of trips

Travel rate per day	250	Usage Category: 3
Average travel distance [m]	55	

4 Details of test procedure

4.1 Test location

NO.688, LIANXI AVENIDA, LIANSHI, NANXUN, HUZHOU, ZHEJIANG, CHINA

4.2 Date of test

30/11/2017

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 VDI 4707 Part1, issued March 2009.

Number of Reference trips: 3

Standby P [W]	1	2	3
Measurement Result	83.7	83.6	83.3
Travel E [Wh]	1	2	3
Measurement Result	131.5	131.4	131.4

6 Test result

Usage Category	3
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Travel	Test Result
E reverence trip [Wh]	131.4
E travel/spec [mWh/kgm]	0.523
Energy Demand class Travel	A

Standby	Test Result
P standby [W]	83.5
W standby/day [Wh]	1879.5
Energy Demand class Standby	B

TEST REPORT
Lifts Energy Efficiency
According to VDI 4707 Part 1

AR No. : 086-03-011-01124
Date of issue : 06/12/2017

Energy Consumption	Test Result
E travel/day [Wh]	11291.3
E lift/day [Wh]	13170.8
E lift/year [Wh]	4807

Energy Efficiency	Test Result
E lift/spec [mWh/kgm]	0.610
Energy efficiency class Lift	A

7 Remarks

Tested in test tower.

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