

TÜV Rheinland Taiwan Ltd. (Industrial Services & Cybersecurity) •  
 11F, No.758, Sec. 4, Bade Rd., Taipei 105, Taiwan, R. O. C.

Location of Installation

Mr. Jason J. H. Su  
 Tel +886 (0)2 21721078  
 Fax +886 (0)2 21721322  
 Email jason.su@tuv.com

To: Yungtay Engineering Co., LTD.  
 No. 1352, Chun Jih Rd.,  
 Taoyuan Dist., Taoyuan City, Taiwan

No. 1352, Chun Jih Rd.,  
 Taoyuan District,  
 Taoyuan City, Taiwan

Date:  
 01 Jul., 2020

Customer ID: 2062969

Job number: 238487996

### Report of the determination of the energy efficiency of a passenger elevator

**Type of testing:** Lift energy efficiency certificate    **Date of testing:** 24/06/2020  
 (DD/MM/YY)

**Applied standard:** VDI 4707 Part 1

#### Technical Data

<b>Serial number:</b>	ET98A14	<b>Rated load:</b>	2000 kg
<b>Manufacturer:</b>	Yungtay Engineering Co., LTD.	<b>Rated speed:</b>	2.5 m/s
<b>Year of manufacture:</b>	2020	<b>No. of stops:</b>	11
		<b>Lifting height:</b>	35.10 m

#### Scope of testing

The evaluation is based on the measurement of the standby demand and the travel demand of the lift system.

The standby demand was measured five minutes after the last trip was completed. The travel demand was determined for reference trips without loading and was multiplied by a load factor of 0.7.

The detailed test procedure is given in publication VDI 4707 Part 1 - Lifts Energy efficiency.

The valid period of this certificate is three years, if the specifications and operation conditions are not significantly changed.

#### Results

<b>Usage category</b>	4
<b>Standby demand [W]</b>	116
<b>Travel demand for reference trips [Wh]</b>	58.77
<b>Specific energy travel demand [mWh/(kg*m)]</b>	0.293
<b>Energy demand class for travel</b>	A
<b>Energy demand class for standby</b>	C
<b>Specific energy demand of the lift system [mWh/kg*m]</b>	0.34
<b>Energy efficiency class</b>	A
<b>Nominal demand per year [kWh]</b>	6,664

Test engineer of the Certification Body

Reviewed by:





Jason J. H. Su  
 Manager  
 Elevators and Lifting Equipment  
 TÜV Rheinland Taiwan Ltd.

Vincent Sun  
 Section Manager  
 Elevators and Lifting Equipment  
 TÜV Rheinland / CCIC (Qingdao) Co., Ltd.

TÜV Rheinland Taiwan Ltd.  
 Industrial Services & Cybersecurity

11F, No. 758, Sec. 4, Bade Rd.,  
 Taipei 105, Taiwan,  
 R. O. C.

Tel +886-(0)2 21727000  
 Fax +886-(0)2 21721322  
 Web www.tuv.com

<b>Lift energy efficiency certificate according to VDI 4707 Part 1</b>	
<p><b>Manufacturer:</b> Yungtay Engineering Co., LTD.</p> <p><b>Location:</b> No. 1352, Chun Jih Rd., Taoyuan District, Taoyuan City, Taiwan</p> <p><b>Lift model:</b> EAS</p> <p><b>Lift type:</b> Passenger Lift</p> <p><b>Serial number:</b> ET98A14</p>	<p><b>Energy efficiency class A</b></p>  <p>Nominal demand per year for rated values as shown: <b>6,664 kWh</b></p>
<p><b>Rated load:</b> 2000 kg</p> <p><b>Rated speed:</b> 2.5 m/s</p> <p><b>Operating days per year:</b> 365</p>	
<p><b>Standby demand:</b> 116 W Energy demand class C</p>	<p><b>Specific travel demand:</b> 0.293 mWh/(kg*m) Energy demand class A</p>
<p><b>Usage category 4 according to VDI 4707</b> Comparisons of energy efficiency classes are possible under equal usage only.</p> <p>Date: 01.07.2020 Reference: VDI 4707 Part 1 (Issue 03-2009)</p>	

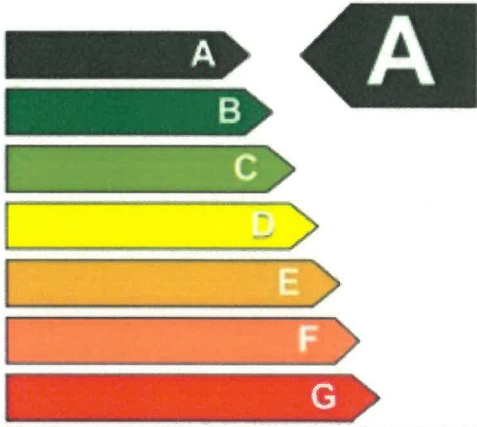
Label No: I0220041

Valid until: 2023.06.30

TÜV Rheinland Taiwan Ltd.  
Industrial Services & Cybersecurity

11F, No. 758, Sec. 4, Bade Rd.,  
Taipei 105, Taiwan,  
R. O. C.

Tel +886-(0)2 21727000  
Fax +886-(0)2 21721322  
Web www.tuv.com

<b>電梯能源效率標章</b>	
<b>製造商：</b> 永大機電工業股份有限公司 <b>安裝位置：</b> 桃園市桃園區春日路 1352 號 <b>電梯型號：</b> EAS <b>電梯型式：</b> 乘客用電梯 <b>序號：</b> ET98A14	<b>能源效率等級 A</b> 
<b>額定載重：</b> 2000 kg <b>額定速度：</b> 2.5 m/sec <b>每年運轉天數：</b> 365	<b>待機需求：</b> 116 W (待機能量需求等級 C) <b>特定運行需求：</b> 0.293 mWh/(kg · m) (運行能量需求等級 A)
<b>依據 VDI 4707 使用類別 4</b> 僅限相同使用類別時方能比較能源效率等級  日期: 2020 年 7 月 1 日 參考依據: VDI 4707 Part 1 (2009 年 3 月頒布)	<b>每年額定能量需求：</b> <b>6,664 kWh</b>

標章編號: I0220041

有效期限: 2023 年 6 月 30 日

 TÜV Rheinland Taiwan Ltd.  
 Industrial Services & Cybersecurity

 11F, No. 758, Sec. 4, Bade Rd.,  
 Taipei 105, Taiwan,  
 R. O. C.

 Tel +886-(0)2 21727000  
 Fax +886-(0)2 21721322  
 Web www.tuv.com