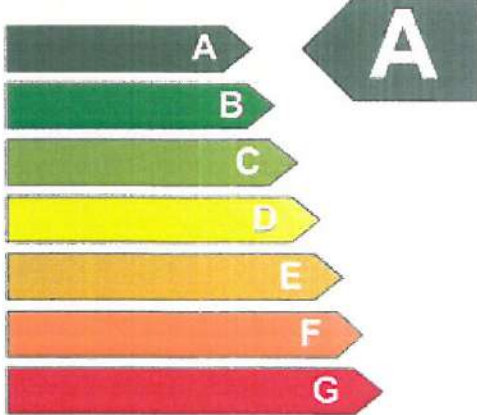


<b>Prüfbericht-Nr.:</b> <i>Test Report No.:</i>	<b>15051674 001</b>	<b>Auftrags-Nr.:</b> <i>Order No.:</i>	<b>154077270</b>	Seite 1 von 4 <i>Page 1 of 4</i>
<b>Kunden-Referenz-Nr.:</b> <i>Client Reference No.:</i>	<b>400149</b>	<b>Auftragsdatum:</b> <i>Order date:</i>	<b>03.12.2014</b>	
<b>Auftraggeber:</b> <i>Client:</i>	<b>Shenyang Sanyo Elevator Co., Ltd.</b> No.142, Shenbei Road, Dadong District, Shenyang City, Liaoning, P.R. China			
<b>Prüfgegenstand:</b> <i>Test item:</i>	<b>Passenger lift</b>			
<b>Bezeichnung / Typ-Nr.:</b> <i>Identification / Type No.:</i>	<b>VF320</b>			
<b>Auftrags-Inhalt:</b> <i>Order content:</i>	<b>Elevator energy efficiency test according to VDI 4707 Part1</b>			
<b>Prüfgrundlage:</b> <i>Test specification:</i>	<b>VDI 4707 Part1</b> <b>Lifts Energy Efficiency</b> <b>Aufzüge Energieeffizienz</b>			
<b>Wareneingangsdatum:</b> <i>Date of receipt:</i>	<b>-</b>			
<b>Prüfmuster-Nr.:</b> <i>Test sample No.:</i>	<b>2014-10069</b>			
<b>Prüfzeitraum:</b> <i>Testing period:</i>	<b>23.01.2015</b>			
<b>Ort der Prüfung:</b> <i>Place of testing:</i>	<b>As Client</b>			
<b>Prüflaboratorium:</b> <i>Testing laboratory:</i>	<b>TUV Rheinland /CCIC (Qingdao) Co., Ltd.</b>			
<b>Prüfergebnis*:</b> <i>Test result*:</i>	<b>Refer to energy efficiency certificate</b>			



<b>geprüft von / tested by:</b>	<i>Vincent Sun</i>	<b>kontrolliert von / reviewed by:</b>	<i>Wu Weijun</i>
28.01.2015 Vincent Sun/PE		28.01.2015 Weijun Wu/Reviewer	
<b>Datum</b> <i>Date</i>	<b>Name / Stellung</b> <i>Name / Position</i>	<b>Unterschrift</b> <i>Signature</i>	<b>Datum</b> <i>Date</i>
			<b>Name / Stellung</b> <i>Name / Position</i>
			<b>Unterschrift</b> <i>Signature</i>

**Sonstiges / Other:**

**Zustand des Prüfgegenstandes bei Anlieferung:** -  
*Condition of the test item at delivery:*

* Legende:	1 = sehr gut P(ass) = entspricht o.g. Prüfgrundlage(n)	2 = gut F(ail) = entspricht nicht o.g. Prüfgrundlage(n)	3 = befriedigend N/A = nicht anwendbar	4 = ausreichend N/T = nicht getestet	5 = mangelhaft
Legend:	1 = very good P(ass) = passed a.m. test specification(s)	2 = good F(ail) = failed a.m. test specification(s)	3 = satisfactory	4 = sufficient	5 = poor N/T = not tested

**Dieser Prüfbericht bezieht sich nur auf das o.g. Prüfmuster und darf ohne Genehmigung der Prüfstelle nicht auszugsweise vervielfältigt werden. Dieser Bericht berechtigt nicht zur Verwendung eines Prüfzeichens.**  
*This test report only relates to the a. m. test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any test mark.*

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**Liste der verwendeten Prüfmittel**  
*List of used test equipment*

<b>Prüfmittel</b> <i>Test equipment</i>	<b>Prüfmittel-Nr. / ID-Nr.</b> <i>Equipment No. / ID-No.</i>	<b>Nächste Kalibrierung</b> <i>Next calibration</i>
Power Logger Analyst	FLUKE 1735/8355018	11.2015
Stopwatch	ZS-1A/018468	07.2015

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## 1. Elevator technical data

Manufacturer/Address:	Shenyang Sanyo Elevator Co., Ltd. No.142, Shenbei Road, Dadong District, Shenyang City, Liaoning, P.R. China
Location of installation:	Shenyang Sanyo Elevator Co., Ltd. No.142, Shenbei Road, Dadong District, Shenyang City, Liaoning, P.R. China
Identification/Type:	VF320
Serial Number:	2014-10069
Rated Load:	2,000kg
Rated Speed:	4m/s
No. of Stops	23
Lifting Height:	97m
Year of Manufacture:	2014
Other Information:	-

## 2. 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.

This energy efficiency certificate is only issued for the specified elevator which installed on this site. The valid period of the certificate is three years, if the specifications and operation conditions are not significantly changed.

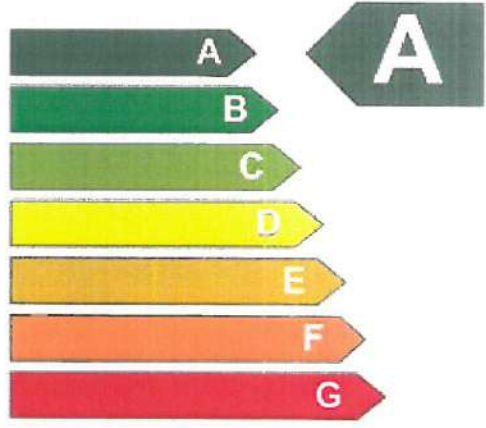
## 3. Test result

Usage category	4
Standby demand [W]	328
Travel demand for reference trips [Wh]	169
Specific energy travel demand [mWh/(kg*m)]	0.304
Energy demand class for travel	A
Energy demand class for standby	D
Specific energy demand of the lift system [mWh/kg*m]	0.384
Energy efficiency class	A
Nominal demand per year [kWh]	12,100

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## 4. Energy efficiency certificate

Lift energy efficiency certificate according to VDI 4707 Part 1	
<b>Manufacturer:</b> Shenyang Sanyo Elevator Co., Ltd. <b>Location:</b> No.142, Shenbei Road, Dadong District, Shenyang City, Liaoning, P.R. China <b>Lift model:</b> VF320 <b>Lift type:</b> Passenger Lift <b>Serial number:</b> 2014-10069	<b>Energy efficiency class A</b>  Nominal demand per year for rated values as shown: <b>12,100 kWh</b>
<b>Rated load:</b> 2,000kg <b>Rated speed:</b> 4 m/s <b>Operating days per year:</b> 365	
<b>Standby demand:</b> 328 W Energy demand class <b>D</b>	<b>Specific travel demand:</b> 0.304 mWh/(kg*m) Energy demand class <b>A</b>
<b>Usage category 4 according to VDI 4707</b> Comparisons of energy efficiency classes are possible under equal usage only.	
Date: 28.01.2015 Reference: VDI 4707 Part 1 (Issue 03-2009)	
<b>Label No: I0215501</b>	<b>Valid until: 27.01.2018</b>



END OF TEST REPORT 15051674 001