

page 1 of 2	Test No.: 4479
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**Client:**

Team: PM EKS	Date: 29.03.12	Result: 06.06.12
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**Order-Info:**

Customer/ No.: igus GmbH

Series / No: E6 vs. E61	Installation type: Noise unsupported
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Goal: Please compare the E6.29.050.055.0 with the newer E61.29.050.055.0 concerning noise at 1, 2, 4 and 6m/s

Technical data	Series data								
Length [links] or [m]:									
Additional load [kg/m]:									
Chain weight [kg/m]:	Origin: <input checked="" type="checkbox"/> Stock <input type="checkbox"/> Production <input type="checkbox"/> Customer								
Temperature [°C]:	- Other:								
a acceleration [m/sec <sup>2</sup> ]:	tempered <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes								
Mounting brackets:	conditioned <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes								
Filling (Sketch-No.):	- moisture absorption [%]								
<table border="1"> <thead> <tr> <th>Cycles</th> <th>v Speed [m/s]</th> </tr> </thead> <tbody> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> </tbody> </table>	Cycles	v Speed [m/s]							Remark:
Cycles	v Speed [m/s]								

**Experimental setup (Sketch, Photo ...)**

The energy chain is manually moved at several specific speeds while fully unsupported and the noise level is measured. The speed is specified by a cycle noise heard by the tester through headphones.

Photo : experimental setup noise level test



**Investigational procedure**

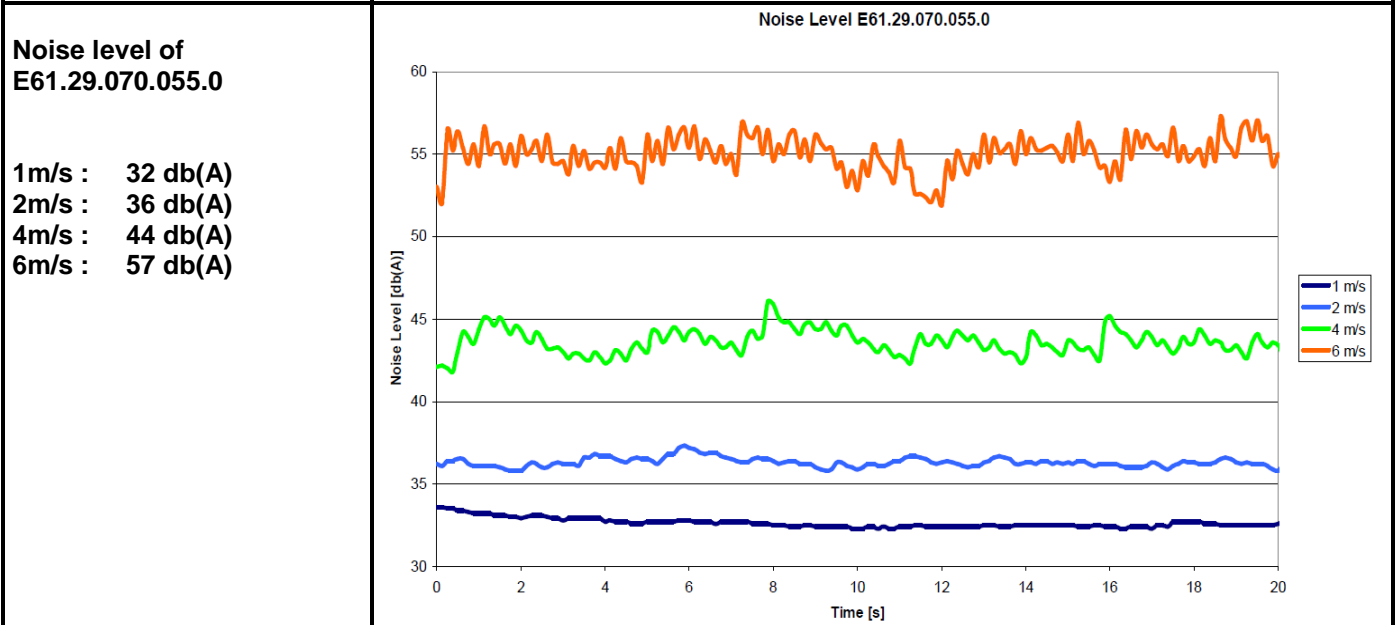
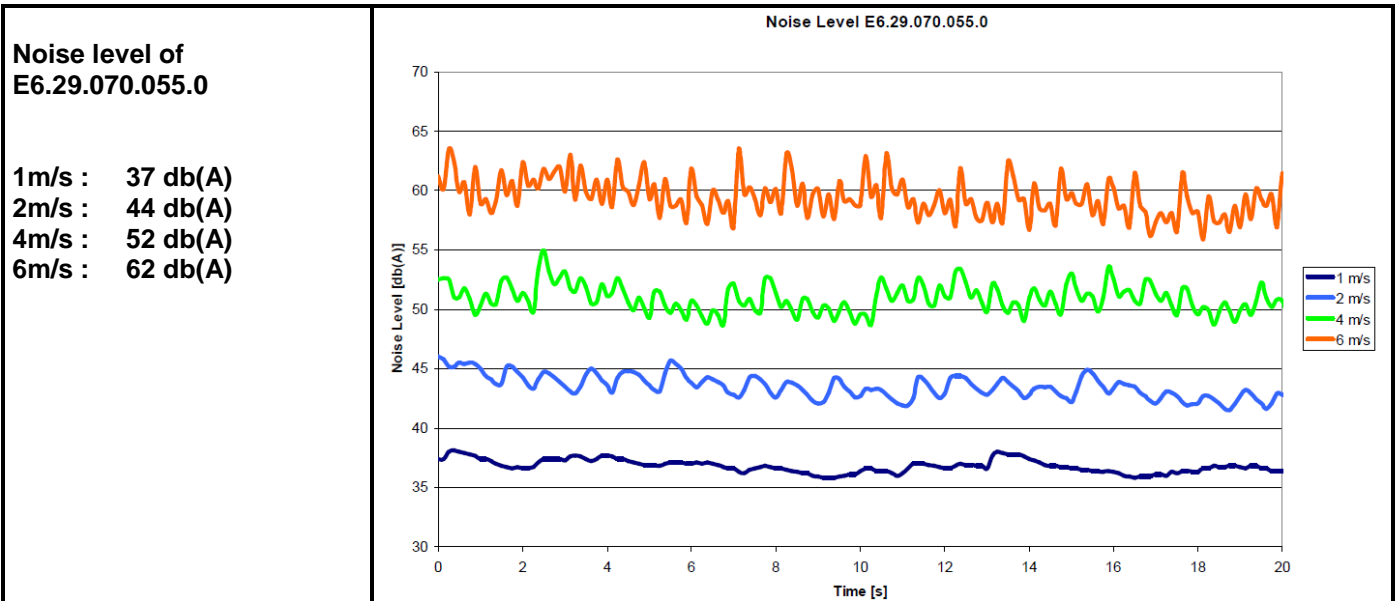
From: 17.05.2012	To: 06.06.2012
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**Result**

**For internal use only**

The managing data show the results of the accomplished examinations. With all data it still acts neither around one or more warranties of certain characteristics around one or more warranties regarding the suitability of a product for a certain targeted application, since the examinations on laboratory conditions took place. The warranty of certain characteristics of the products and/or their suitability for a certain application requires writing in the confirmation of order. Finally we recommend user-specific measurements under genuine operating conditions.

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→ Konstruktion  
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Report: Sheets

## Evaluation

The E61.29.070.055.0 is producing less noise than the E6.29.070.055.0 when operated with the same speed.

	E61.29	E6.29
1m/s	32 db(A)	37 db(A)
2m/s	36 db(A)	44 db(A)
4m/s	44 db(A)	52 db(A)
6m/s	57 db(A)	62 db(A)

Date: 06.06.2012

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