

# CERTIFICATE

Issued to:  
Applicant:  
**Kuno Engels GmbH & Co.  
Elektrotechnische Fabrik und Weberei  
Hauptstrasse 42  
42799 Leichlingen, Germany**

Manufacturer/Licensee:  
**Kuno Engels GmbH & Co.  
Elektrotechnische Fabrik und Weberei  
Hauptstrasse 42  
42799 Leichlingen, Germany**

Product(s) : Air heaters for room heating systems  
Trade name(s) : ENGELS  
Type(s)/model(s) : E-HR 5, E-HR 6/S, E-HR 7

The product and any acceptable variation thereto is specified in the Annex to this certificate and the documents therein referred to.

DEKRA hereby declares that the above-mentioned product has been certified on the basis of:

- a type test according to the standard EN 60335-1:2012; EN 60335-2-30:2009; EN 62233:2008
- an inspection of the production location according to CENELEC Operational Document CIG 021
- a certification agreement with the number 954228

DEKRA hereby grants the right to use the KEMA-KEUR certification mark.

Compliance with the requirements of this Standard carries a presumption of conformity with the essential safety requirements of the Low Voltage Directive 2006/95/EC.

The KEMA-KEUR certification mark may be applied to the product as specified in this certificate for the duration of the KEMA-KEUR certification agreement and under the conditions of the KEMA-KEUR certification agreement.

This certificate is issued on: 8 February 2013 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 2157720.06

DEKRA Certification B.V.



drs. G.J. Zoetbrood  
Managing Director



H. J. Brouwer  
Certification Manager

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ACCREDITED BY  
THE DUTCH COUNCIL  
FOR ACCREDITATION



**SPECIFICATION OF THE CERTIFIED PRODUCT****Product data**

product	:	Air heaters for room heating systems
trade name(s)	:	ENGELS
type(s)	:	E-HR 5, E-HR 6/S, E-HR 7
nature of supply	:	a.c.
rated frequency	:	50-60 Hz
class	:	class I
degree of protection	:	ordinary

**Further data: dimensions are in mm.****Product data - type E-HR 5**

rated voltage Y	:	400 V
rated power input	:	10 kW
dimensions	:	175 x 80 x 57

**Product data - type E-HR 6/S**

rated voltage Y	:	400 V
rated power input	:	6 kW
dimensions	:	several

**Product data - type E-HR 7**

rated voltage PH-N	:	230 V
rated power input	:	2 kW
dimensions	:	125 x 80 x 57

**TESTS****Test requirements**

EN 60335-1:2012

EN 60335-2-30:2009 + A11:2012 + C11:2010

EN 62233:2008 + C1:2008

**Test result**

The test results are laid down in DEKRA test file 2157720.00.

**Remarks**

The list of components is laid down in test report No.: 2157720.50, which consists of sub-reports with suffixes A, B and C.

This certificate is based on and replaces certificate 95.4230.06 dated October 8, 1996, which we hereby declare invalid.

**Conclusion**

The examination proved that all test requirements were met.

Tested by : A. Tom

A blue ink signature, likely of A. Tom, consisting of a stylized, cursive script.

Checked by : T.M.H. van Huet

A blue ink signature, likely of T.M.H. van Huet, consisting of a stylized, cursive script.**Factory locations**

Kuno Engels GmbH & Co., Elektrotechnische Fabrik und Weberei  
Hauptstrasse 42, 42799, Leichlingen  
Germany