
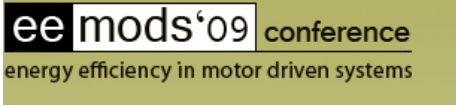





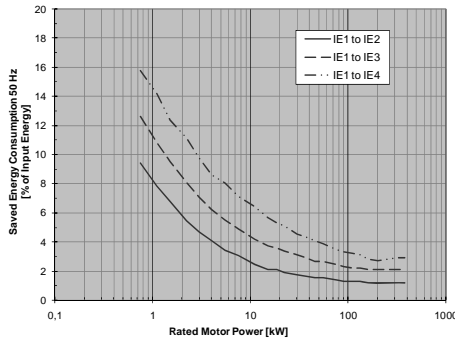
Global Motor Systems Network



EMSA Newsletter 03/09

Zurich September 2009: EEMODS'09 in France

1	<p>This is the third edition of the EMSA Newsletter. Our subscription has grown now to over 1'300 people from 60 countries.</p> <p>GMSN is the outreach project of the Electric Motor Systems Annex EMSA in the IEA Implementation Program 4E: Efficient Electrical End-Use Equipment. New Annexes "Mapping & Benchmarking" and "Standby Power" will meet between 2 and 5 November 2009 in Korea.</p>	 <p>See the Korea meeting agenda here: www.iea-4e.org/files/otherfiles/0000/0043/IEA4E_Korea_ExCo.pdf</p>																																										
2	<p>Members of EMSA will deliver a number of key presentations at EEMODS'09:</p> <table border="1" data-bbox="252 920 916 1400"> <thead> <tr> <th>Author (lead)</th> <th>Title of paper</th> <th>Presentation</th> </tr> </thead> <tbody> <tr> <td>Conrad U. Brunner</td> <td>Global Motor Systems Network: The International Energy Agency 4E EMSA Project</td> <td>15.09.2009 10:45</td> </tr> <tr> <td>Sarah Hatch</td> <td>Update on the IEA 4E EMSA Task C: Testing Centres</td> <td>15.09.2009 10:45</td> </tr> <tr> <td>Sarah Hatch</td> <td>Australia's experience with compliance and check testing</td> <td>15.09.2009 14:00</td> </tr> <tr> <td>Konstantin Kulterer</td> <td>The Energy Efficient Company Programme in Austria</td> <td>15.09.2009 16:15</td> </tr> <tr> <td>Sarah Hatch</td> <td>Update on the Asia Pacific Partnership "Harmonization of Test Procedures" - Electric Motors and Motor Systems sub projects</td> <td>15.09.2009 16:15</td> </tr> <tr> <td>Charles Gaisford</td> <td>Task G - New Motor Technologies for the IEA 4E EMSA project</td> <td>16.09.2009 09:00</td> </tr> <tr> <td>Conrad U. Brunner</td> <td>Motors with adjustable speed drives: Testing protocol and efficiency standard</td> <td>16.09.2009 09:00</td> </tr> <tr> <td>Frank Hartkamp</td> <td>Regarding energy management of motor systems. Anecdotal evidence and practice from Long Term Agreement</td> <td>16.09.2009 09:00</td> </tr> <tr> <td>Hugh Falkner</td> <td>Categorising the Efficiency of Industrial Air Compressors</td> <td>16.09.2009 09:00</td> </tr> <tr> <td>Konstantin Kulterer</td> <td>Energy Management for Austria</td> <td>16.09.2009 09:00</td> </tr> <tr> <td>Claus M. Hvenegaard</td> <td>Small Changes - Big Savings</td> <td>16.09.2009 11:15</td> </tr> <tr> <td>Hugh Falkner</td> <td>Results of EuP Lot 11: Pumps and Circulators</td> <td>16.09.2009 11:15</td> </tr> <tr> <td>Conrad U. Brunner</td> <td>4E EMSA</td> <td>16.09.2009 16:15</td> </tr> </tbody> </table>	Author (lead)	Title of paper	Presentation	Conrad U. Brunner	Global Motor Systems Network: The International Energy Agency 4E EMSA Project	15.09.2009 10:45	Sarah Hatch	Update on the IEA 4E EMSA Task C: Testing Centres	15.09.2009 10:45	Sarah Hatch	Australia's experience with compliance and check testing	15.09.2009 14:00	Konstantin Kulterer	The Energy Efficient Company Programme in Austria	15.09.2009 16:15	Sarah Hatch	Update on the Asia Pacific Partnership "Harmonization of Test Procedures" - Electric Motors and Motor Systems sub projects	15.09.2009 16:15	Charles Gaisford	Task G - New Motor Technologies for the IEA 4E EMSA project	16.09.2009 09:00	Conrad U. Brunner	Motors with adjustable speed drives: Testing protocol and efficiency standard	16.09.2009 09:00	Frank Hartkamp	Regarding energy management of motor systems. Anecdotal evidence and practice from Long Term Agreement	16.09.2009 09:00	Hugh Falkner	Categorising the Efficiency of Industrial Air Compressors	16.09.2009 09:00	Konstantin Kulterer	Energy Management for Austria	16.09.2009 09:00	Claus M. Hvenegaard	Small Changes - Big Savings	16.09.2009 11:15	Hugh Falkner	Results of EuP Lot 11: Pumps and Circulators	16.09.2009 11:15	Conrad U. Brunner	4E EMSA	16.09.2009 16:15	<p>On 14 to 17 September 2009 EEMODS'09 will be held in Nantes France. Over 70 papers on motors, pumps, fans, compressors, policy will be presented. Program and registration are available here:</p> <p>www.eemods09.fr</p> 
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3	<p>EMSA meeting in Nantes France: The EMSA project group will meet on 14 September 2009 to discuss progress and plan the second year in 2010. This is an "Invitation Only" meeting of project participants.</p>	<p>If your country is interested to participate in EMSA send an email to cub@cub.ch</p>																																										
4	<p>EMSA Testing Centers Workshop: Australia (Department of the Environment, Water, Heritage and the Arts DEWHA) has organized as Task Leader the first workshop on 17 September 2009 in Nantes France. If you wish to attend this workshop, please contact directly Sarah Hatch by email (sarah.hatch@environment.gov.au).</p> <p>The aim of this new EMSA project is to encourage discussion between technical experts from motor test labs around the world. The focus will be on sharing best practice in the use of the IEC 60034-2-1 test method and developing conventions for issues with particular procedures. Effective motor testing depends on both manufacturers and independent test centres undertaking tests as consistently as possible.</p>	<p>Suppliers, purchasers and regulators need to be confident that electric motors on the market meet their claimed energy performance. The introduction of mandatory minimum energy efficiency levels for motors has led to a focus on testing for compliance.</p> 																																										
5	<p>EMSA works at present in the six Tasks displayed to</p>	<p>A Implementation support & outreach</p>																																										

	<p>the right. If you want to reach one of the Task Leaders go directly to: http://www.motorsystems.org/contact</p>	<p>B Technical guide for motor systems C Testing centers E Training & capacity building F Energy management in industry G New motor technologies</p>
6	<p>On 23 July 2009 the European Commission Regulations 640/2009 and 641/2009 for Ecodesign Requirements as mandatory Minimum Energy Performance Standards for electric motors and circulator pumps have been formally published. The first step of MEPS takes effect:</p> <ul style="list-style-type: none"> • for electric motors between 0.75 kW and 375 kW on 16 June 2011 as IE2, • for circulator pumps with hydraulic output power between 1 W and 2500 W on 1 January 2013 as EEI of not more than 0.27. <p>For full regulation text on motors and pumps see: http://www.motorsystems.org/downloads</p>	
7	<p>IEC is ready to publish shortly the Guide for the Selection and Application of Energy-Efficient Motors IEC 60034-31. Here you will see the latest definition of IE4:</p> <p>You can buy the printed document at http://webstore.iec.ch/.</p> 	
8	<p>IEC TC2/WG28 has published the committee draft CD IEC 60034-2-3: Rotating electrical machines - Part 2-3: Specific test methods for determining losses and efficiency of converter-fed AC machines.</p>	<p>If you need a copy send an email to cub@cub.ch. You can send comments to your national IEC committee or - if you wish - directly to me before end of October 2009.</p>
9	<p>The international IEC Round Robin motor testing program is about to finalize parts 1 and 2. By the end of 2009 a first report will be available. Consequences for eventually updating accuracy and repeatability in IEC 60034-2-1 are studied in IEC TC2/WG28.</p>	<p>If you want to be informed on the upcoming Round Robin report: send an Email to cub@cub.ch</p>
10	<p>Motor Rebate Programs: We are studying national and local rebate and discount programs for energy efficient motor systems and their applications in pumps, fans, compressors, et cetera. We are interested in programs from national or local governments, utilities and other kind of sponsorship.</p>	<p>If you have any knowledge and information on a rebate program: please send your information until 30 November 2009 to: info@motorsystems.org</p>

If you have any questions please feel free to ask. If you are running a national motor efficiency program: Tell us!

Our next newsletter will report on interesting new findings presented at EEMODS'09.

Best regards from Zurich Switzerland, see you soon in Nantes!

Conrad U. Brunner

EMSA (Operating Agent)
Gessnerallee 38a, 8001 Zurich Switzerland
cub@cub.ch, Tel +41 (0)44 226 30 70

EMSA is the Electric Motor Systems Annex of the International Energy Agency IEA Implementation Agreement on Efficient Electrical End-Use Equipment 4E. Currently Australia, Austria, Denmark, Netherlands, UK and Switzerland participate actively in EMSA together with Canada, France, Korea and USA in 4E.

PS: If you do not want to receive this Newsletter any more: Please send us a short note to info@motorsystems.org. Thanks!

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