

Global Motor Systems Network




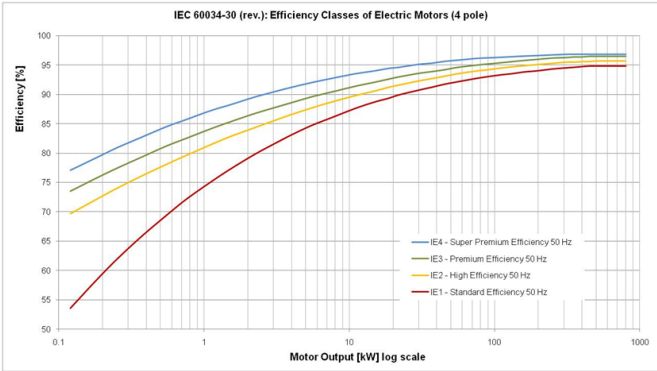




EMSA Newsletter no. 2/2011

Zurich June 2011:

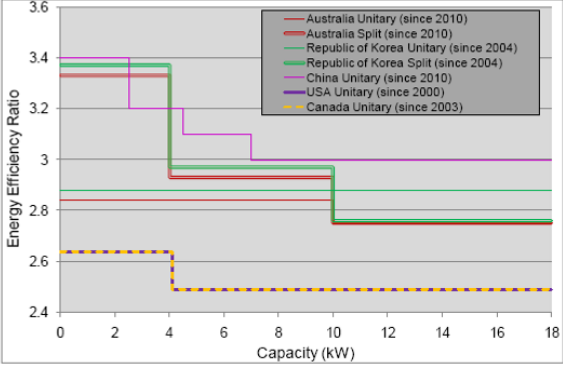
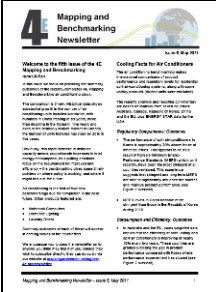
See you all at the EEMODS'11 in Washington DC in September 2011!

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| 1 | <p>This is the latest edition of the Electric Motor Systems Annex (EMSA) Newsletter. Our subscription has grown now to 2'020 people from 68 countries.</p> <p>Global Motor Systems Network is the outreach project of EMSA in the International Energy Agency's Implementation Program 4E: Efficient Electrical End-Use Equipment.</p> | |
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| Events | | |
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| 2 | <p>EEMODS'11 will be held on 12 - 14 September 2011 in Alexandria VA (near Washington DC). The program is organized in 21 sessions with more than 70 papers to be presented.</p> <p>From EMSA there will be presentations by</p> <ul style="list-style-type: none"> • Andrew Baghurst: Standard algorithm for efficiency calculation • Conrad U. Brunner: Harmonized standards for motors and systems • Konstantin Kulterer: Motor Policy Guide • Sandie B. Nielsen: Motor Systems Tool • Melanie Slade: Testing Centres Network • Rita Werle: EMSA – the global effort | <p>energy efficiency in motor driven systems Alexandria VA (USA) September 12 to 14, 2011</p> <p>To register: www.eemods.org</p> |
| 3 | <p>The next Motor Summit will be held in Zurich in the fall of 2012. We will keep you posted on venue and exact dates once they are decided.</p> <p>Presentations, proceedings and photos of the last Motor Summit 2010 are available at:</p> | <p>MOTOR SUMMIT 2010 www.motorsummit.ch</p> |

| News | | |
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| 4 | <p>IEC has advanced work on the testing standard for electric motors fed by converters. A Committee Draft for Voting IEC 60034-2-3 has been published. The deadline for comments to your National Committee is 9 September 2011. If you would like to have a copy for preparing National Committee positions, send an e-mail to:</p> |  www.iec.ch info@motorsystems.org |
| 5 | <p>IEC has released a Committee Draft of the revision for the standard on efficiency classes IEC 60034-30. The scope has been enlarged to include all kinds of electric motors between 0.12 and 800 kW, and the definition of Super Premium motors IE4.</p> <div style="text-align: center;">  <p>IEC 60034-30 (rev.): Efficiency Classes of Electric Motors (4 pole)</p> </div> |  <p>If you would like to have a draft copy send an email to info@motorsystems.org.</p> <p>You can send your comments to your national IEC committee by 5 August 2011.</p> |
| 6 | <p>The new European regulation for fans has been published on 6 April 2011. Fans from 125 W - 500 kW have mandatory Minimum Energy Performance Standards from 2013 (first phase) and 2015 (second phase).</p> <p>See Commission Regulation No 327/2011 at: http://eur-lex.europa.eu/LexUriServ/LexUriServ.do?uri=OJ:L:2011:090:0008:01:EN:HTML</p> |  |
| 7 | <p>A new Working Document on European ecodesign requirements for water pumps was released in May 2011 for stakeholder comments.</p> <p>If you would like to receive a copy, send an e-mail to:</p> |  info@motorsystems.org |
| 8 | <p>Japan has at the beginning of 2011 formally adopted the efficiency classes IEC 60034-30 in JIS C 4034-30 and the testing standard IEC 60034-2-1 in JIS C 4034-2-1. If you want a copy (available in Japanese only) please send an e-mail to:</p> |  Japanese Standards Association English Page info@motorsystems.org |

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| <p>9</p> | <p>The energy consumption of motor systems could be reduced by 20 – 30% by 2030 with appropriate policies, which would reduce global electricity demand by 10%.</p>  <p>The new IEA publication of Paul Waide & Conrad U. Brunner et al: Energy-Efficiency Policy Opportunities for Electric Motor-Driven Systems gives a global overview on motor systems in place and efficiency potentials.</p> <p>Free download at: www.iea.org/papers/2011/EE_for_ElectricSystems.pdf</p> |  <p>www.iea.org/publications/</p> |
| <p>10</p> | <p>A global work plan for energy-efficiency policy opportunities for electric motor-driven systems is proposed in the new IEA publication of Hugh Falkner & Shane Holt: Walking the torque.</p> <p>Free download at: www.iea.org/papers/2011/Walking_the_Torque.pdf</p> |  <p>www.iea.org/publications/</p> |
| <p>11</p> | <p>The findings of the IEC Round Robin motor testing program will be summarised in a paper by Axel Möhle at EEMODS'11. Work has started in TC2 to include these findings and other improvements of accuracy and repeatability in the revision of the testing standard IEC 60034-2-1. A preferred testing method for 3-phase motors up to 1000 kW has been adopted: summation of losses with load test, stray load losses determined from residual loss. A committee draft will be published by the end of 2011.</p> |  <p>www.iec.ch</p> |
| <p>12</p> | <p>A Corrigendum to the European Commission Regulation No 640/2009 on ecodesign requirements for electric motors was published in February 2011. http://eur-lex.europa.eu/LexUriServ/LexUriServ.do?uri=OJ:L:2011:046:0063:01 REG 2009 640 63:EN:HTML</p> | |

| 4E Efficient Electrical End-Use Equipment | |
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| 13 | <p>EMSA work plan for 2012 - 2014 EMSA prepares to extend the project until 2014. The plan will be decided at the next EMSA meeting in Washington DC from 8 - 9 September 2011. At present, EMSA works according to the seven Tasks shown to the right.</p> <p>If you would like to reach one of the Task Leaders go directly to: www.motorsystems.org/contact</p> |
| 14 | <p>The latest 4E Mapping & Benchmarking Newsletter was published in May 2011. Results of surveys of regulatory comparisons as well as of sales weighted data for consumption and efficiency for air conditioners are now available.</p> <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;">  <p>Figure 1: Selected current and planned MEPS for split and unitary (packaged) air conditioners >14kW cooling capacity. (Note: the scope of products included in each regulation may be slightly different in type and capacity range between countries/regions)</p> </div> <div style="width: 45%; text-align: right;">  <p>http://mappingandbenchmarking.iea-4e.org</p> </div> </div> |

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

Best regards from Zurich Switzerland,

Conrad U. Brunner & Rita Werle

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

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