

# bsi.

# Opinion Statement



## Product Carbon Footprint Verification Opinion Statement

This is to verify that: **TECO Electric & Machinery Co., LTD.**  
5F  
No. 19-9, San Chong Road  
Nan-Kang  
Taipei City  
11501  
Taiwan

東元電機股份有限公司  
台灣  
台北市  
南港區  
三重路 19-9 號  
5 樓  
11501

Holds Statement No: PCFV 171

As a result of carrying out the verification of product life cycle greenhouse gas emissions, it is the opinion of BSI with reasonable assurance that:

- The product carbon footprint with the functional unit of one set of IEC IE3 Motor (AEHF series) in different output(每台 IEC IE3 馬達(AEHF 系列)) is as follows:

Functional Unit	Kgs of CO <sub>2</sub> equivalent
「每台 IEC IE3 馬達(AEHF 系列) 4P2HP」 (one set of IEC IE3 Motor (AEHF series), output 4P 2HP)	164.36
「每台 IEC IE3 馬達(AEHF 系列) 4P20HP」 (one set of IEC IE3 Motor (AEHF series), output 4P 20HP)	695.07
「每台 IEC IE3 馬達(AEHF 系列) 4P150HP」 (one set of IEC IE3 Motor (AEHF series), output 4P 150HP)	4,145.63

- No material misstatements in this product life cycle greenhouse gas emission assertion were revealed. The product life cycle GHG data quality was verified to be acceptable against the requirements of ISO/TS 14067:2013

This statement shall be valid for a maximum period of two years after the latest issue date on this certificate. Should there be a change in the life cycle of the product whose GHG emissions are being assessed, the validity of this opinion statement will cease.

For and on behalf of BSI:

Managing Director BSI Taiwan, Peter Pu

Originally Registration Date: 17/09/2016

Effective Date: 17/09/2016

Latest Revision Date: 17/09/2016

Expiry Date: 16/09/2018



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The British Standards Institution is independent to the above named client and has no financial interest in the above named client. This Opinion Statement has been prepared for the above named client only for the purposes of verifying its statements relating to its carbon emissions more particularly described in the scope. It was not prepared for any other purpose. The British Standards Institution will not, in providing this Opinion Statement, accept or assume responsibility (legal or otherwise) or accept liability for or in connection with any other purpose for which it may be used or to any person by whom the Opinion Statement may be read. This Opinion Statement is prepared on the basis of review by The British Standards Institution of information presented to it by the above named client. The review does not extend beyond such information and is solely based on it. In performing such review, The British Standards Institution has assumed that all such information is complete and accurate. Any queries that may arise by virtue of this Opinion Statement or matters relating to it should be addressed to the above named client only.

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Location

Verification Information

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5F  
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Nan-Kang  
Taipei City  
11501  
Taiwan  
東元電機股份有限公司  
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The product carbon footprint with the functional unit of one set of IEC IE3 Motor (AEHF series) in different output(每台 IEC IE3 馬達(AEHF 系列)) .

Product related information is as follows:

- System boundary for this product : Cradle to gate
- The product system boundary is consistent with its system boundary definition in the PCF report for product carbon footprint, which involves the acquisition of materials, process activity and the transportation of materials in the product life cycle.
- The production site is TECO ELECTRIC & MACHINERY CO., LTD. Zhongli factory located at No. 11, Andong Rd., Zhongli Dist., Taoyuan City., 32063, Taiwan.
- The data in this product life cycle greenhouse gas inventory report is from January 1, 2015 to December 31, 2015.
- The primary activity data include related facilities from its own processes under the operational control of the organization and individual processes under the financial or operational control of the organization undertaking the CFP study.
- The secondary data include relative factors from public sources and LCA software SimaPro 8.1.1.

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