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## EU DECLARATION OF CONFORMITY

**Danfoss A/S**  
Vacon Ltd

declares under our sole responsibility that the



Product name Vacon OPTBJ option board to be used with Vacon 100 family products  
Product identification 70CVB01380Marking of the equipment  II (2) GD

has been designed in conformity with the requirements of the Council directive for explosive atmospheres, 94/9/EC of March 1994 (until April 19th, 2016), 2014/34/EU (from April 20th, 2016) according to following standards.

- EN ISO 13849-1 (2006)  
Safety of machinery – safety-related parts of the control systems. Part 1: General principles for design
- EN ISO 13849-2 (2003)  
Safety of machinery – safety-related parts of the control systems. Part 2: Validation
- EN 60079-14 (2007)  
Electrical apparatus for explosive gas atmospheres.  
Part 14: Electrical installations in hazardous area (other than mines).
- EN 61508-3(2010)  
Functional safety of electrical/electronic/programmable electronic safety- related systems – Part3:  
Software requirements
- EN ISO/IEC 80079-34 (2011)  
Explosive atmospheres – Part 34: Application of quality systems for equipment manufacture.
- EN 50495 (2010)  
Safety devices for ignition prevention.

VTT Industrial Systems, Electrical Ex apparatus, the Notified Body having identification number 0537, has assessed the conformity of thermal motor protection system and has issued the certificate VTT 06 ATEX 048X.

It is ensured through internal measures and quality control that the product conforms at all times to the requirements of the current Directive and the relevant standards.

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| Date<br>15-04-2016 | Issued by<br>Signature <br>Name: <b>Antti Vuola</b><br>Title: <b>Head of Standard drives</b> | Date<br>15-04-2016 | Approved by<br>Signature <br>Name: <b>Timo Kasi</b><br>Title: <b>VP, Design Center Finland and Italy</b> |
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