

PRODUCT NOTE

ABB VSD induction generator for 2.3 MW wind turbines

Thermal insulation Class H upgrade



To meet customer demands, ABB now offers a 2.3 MW induction generator with Class H thermal insulation, for use with SWT wind turbines. The generator, which retains its high resilience and performance levels, is available for immediate delivery.

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01 ABB generator for wind turbine SWT-2.3

Thermal Class H insulation

ABB redesigned the generator for SWT-2.3 wind turbines and upgraded its stator with a new insulation system. The new insulation exceeds thermal Class H requirements.

Class H thermal insulation is partial discharge resistant and withstands continuous repetitive voltage pulses from frequency converters.

Accelerated multifactor (temperature, vibration and moisture) testing according to IEC 60034-18-31 verifies that the enhanced 2.3 MW stator design meets the requirements of Class H, thus providing wider thermal margin.

As the interfaces and performance are identical to ABB's legacy 2.3 MW wind turbine generator for SWT, the enhanced stator is fully interchangeable with these older units and generators from other manufacturers.

High performance and efficiency

The winding and slot geometry are redesigned to maintain output and efficiency levels that meet original performance requirement.

Key benefits

- Increased reliability and lifetime
- Fully interchangeable with legacy units and generators from other manufacturers

For more information please contact your local ABB Motors and Generators Service representative or an ABB Value Provider.

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For more information please visit:

new.abb.com/motors-generators/service

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