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# Gamesa AMK 500L4A BATYH 50 Hz and 60 Hz, design differences

#### Contents

1 History	2
2 Differences and compatibility of comp	
3 Summary	
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#### **Revision history**

Rev.	Date	Prepared by	Div / Dep	Description
A	03.10.2018	Nikolai Volkov	RMMG/4131	Original version

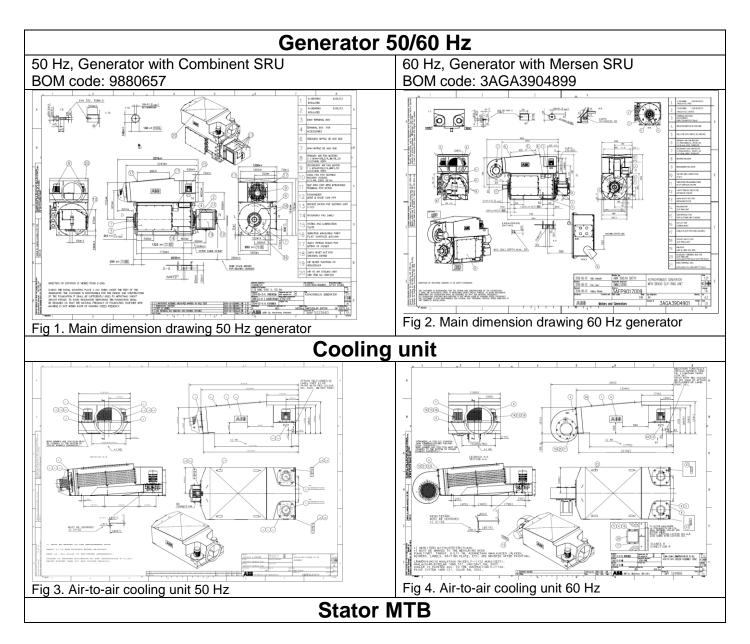
FAQ report	FAQ03102018	А
Gamesa 50 Hz vs. 60 Hz	03.10.2018	2(4)

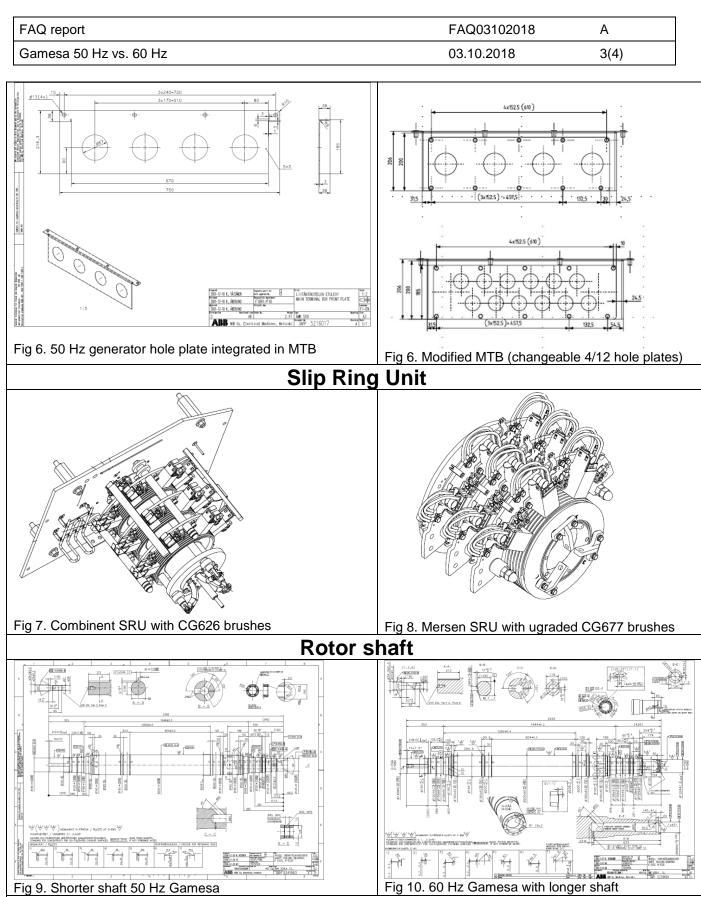
#### 1 History

In 2006-2009 ABB manufactured Gamesa 50 Hz generators with Combinent SRU. 2012 new design for 60 Hz was created to replace Cantarey generators in US market.

### 2 Differences and compatibility of componemts

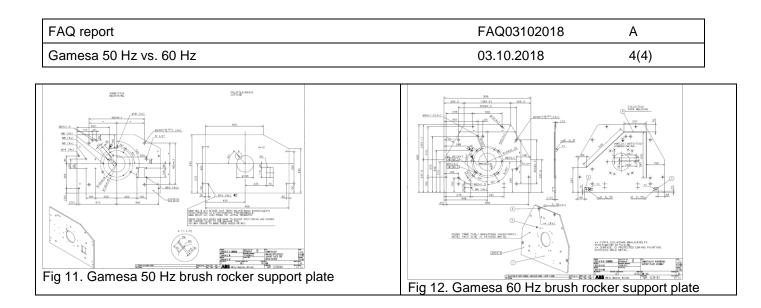
Below are two types of Gamesa generators 50 / 60 Hz:





## SRU housing

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#### 3 Summary

Gamesa 50 / 60 Hz generators have cooler units and different cooling motors (D-END motor flange is also different). MTB of the Gamesa 60 Hz generator is 20 mm wider due to it was modified to the USA Cantarey customer needs, changeable hole pattern can be used, also was added additional plate with 12 holes. Stator and rotor active part is same for both 50 Hz and 60 Hz generators. Rotor shafts N-END is different due to different SRU, hence slip ring units are not interchangeable. SRU housing can be changed without replacing of the N-END bearing shield.