



Test Report issued under the responsibility of:
Korea Institute of Materials Science (KIMS - WTRC)



TEST REPORT
IEC 61400-23 edition 1.0 (2014)
Wind turbines – Part 23: Full-scale structural testing of rotor blades

IECRE Report Number. : IECRE.WE.TR.BT.19-00023-R0

RETL internal Report Number. : 2018-FRS-018-00

Date of issue : July 30, 2018

Total number of pages : 46

RE Testing Laboratory: Korea Institute of Materials Science (KIMS - WTRC)

Testing location/ address : 10, Sinjaesaengeneoji-ro, Haseo-myeon, Buan-gun, Jeollabuk-do, Korea

Applicant's name : DOOSAN Heavy Industries and Construction Co., Ltd.

Address : 22 Doosan Volvo-ro, Seongsan-gu Changwon-si, Gyeongsangnam-do, Republic of Korea (51711)

Test item description : DSB68.0 blade

Manufacturer : Human Composites Co., Ltd

Model/Type reference..... : WinDS5500/140

Ratings..... : 5.5MW

Tested by (name, function, signature) Printed name/function Signature

..... : Jin Bum, Moon / Senior research engineer

Approved by (name, function, signature) Printed name/function Signature

..... : Jisang, Park / General director

Copyright © 2017 IEC System for Certification to Standards relating to Equipment for use in Renewable Energy applications (IECRE System. All rights reserved.

This publication may be reproduced in whole or in part for non-commercial purposes as long as the IECRE is acknowledged as copyright owner and source of the material. IECRE takes no responsibility for and will not assume liability for damages resulting from the reader's interpretation of the reproduced material due to its placement and context.

If this Test Report Form is used by non-IECRE members, the IECRE logo and the IECRE report number shall be removed.

This report is not valid as a Test Report unless signed by an approved RE Testing Laboratory.

General disclaimer:

The test results presented in this report relate only to the object tested.

This report shall not be reproduced, except in full, without the written approval of the Issuing RE Testing Laboratory (RETL). The authenticity of this Test Report and its contents can be verified by contacting the RETL, responsible for this Test Report.