Type Certificate

TC – 180604, Rev. 0

This certificate is issued to

Doosan Heavy Industries & Construction Co., LTD.
22 Doosan Volvo-ro, Seongsan-gu
Changwon-si, Gyeongsangnam-do, 51711
Korea

for the wind turbines

WinDS3000/134 onshore and
WinDS3000/134 offshore (RNA)

This certificate attests compliance with

IEC 61400-1/A1	"Wind turbines – Part 1: Design requirements", Edition 3.0 with Amendment 1, 2010-10
and	
IEC 61400-3	"Wind turbines – Part 3: Design requirements for offshore wind turbines", Edition 1.0, 2009-02
	- Wind Turbine Class S

concerning the design and manufacture. It is based on the following reference documents:

DEWI-OCC GmbH: Design Evaluation Conformity Statement, WinDS3000/134 onshore and WinDS3000/134 offshore (RNA),
Doc. No. STC – 180606 Rev. 0, 2018-07-31

DEWI-OCC GmbH: Manufacturing Conformity Statement, WinDS3000/134 onshore and WinDS3000/134 offshore (RNA),
Doc. No. STC – 180607 Rev. 0, 2018-07-31

DEWI-OCC GmbH: Type Test Conformity Statement, WinDS3000/134 onshore and WinDS3000/134 offshore (RNA),
Doc. No. STC – 180608 Rev. 0, 2018-07-31

DEWI-OCC GmbH: Final Evaluation Report
Doc. No. R11723728-12 Rev. 0, 2018-07-31

The conformity evaluation was carried out according to IEC 61400-22, "Wind turbines - Part 22: Conformity testing and certification", Edition 1.0, 2010-05.

Changes in the system design or the manufacturer's quality system are to be approved by DEWI-OCC. Without approval, this certificate loses its validity.

The main wind turbine characteristics are specified in the annex of the following statement of compliance:

STC – 180606 Design Evaluation DEWI-OCC, Rev. 0, 2018-07-31

This type certificate is valid until: 2023-07-30

Cuxhaven, 2018-07-31

Jörn Gerlach, M.Eng.
Vice Head of DEWI-OCC
Certification Body for Wind Turbines

The validity is linked to the mandatory annual surveillance of this type certificate and can be verified on the following link: http://www.dewi-occ.de/