

Customer	Supplier	Certificate number
<b>Senvion GmbH</b> Überseering 10 22297 Hamburg	<b>Ria Blades,SA</b> Parque Empresarial de Soza Rua da Barreira, nº25 Salgueiro 3840-346 Soza Portugal	<b>IC nº 1176_2019</b>
Article	Colour Code	Documents for construction Blade set
<b>Rotor Blade: RE 45.2</b>	RAL 7035	We confirm that the delivered blades are in accordance with Senvion Specifications and all other documents referred on Doc List 53871
<b>Order nb: 4500463647</b>		
<b>Set NB: 1176</b>		

Blades Numbers	Static Moment referring to the blade flange	Deviation from the average static moment of rotor blade [%]	Balancing masses					
			Total Weigth (Kg)	Center of gravity COG Z[m]	Balancing Chamber Nº1 (Kg)	Balancing Chamber Nº2 (Kg)	Balancing Chamber Nº3 (Kg)	Extra weight (kg)
RB 3534	102114	0,03	7967	12,82	0	0	N/a	0
RB 3535	102146	0,06	7952	12,85	0	0	N/a	0
RB 3536	102004	0,08	7943	12,84	13	0	N/a	0
<b>Average static moment of the rotor blade set [kgm]</b>			102088					

Lightning protection results	Blades Numbers	RB 3534	RB 3535	RB 3536
	Receptor 1 -->SS= Z 37m (Min:9mΩ - Max:19mΩ)	18	17	15
	Receptor 2--> SS Z= 41m (Min:10mΩ - Max:21mΩ)	18	15	16
	Receptor 3 --> PS Z= 37m (Min:9mΩ - Max:19mΩ)	13	12	14
	Receptor 4 --> PS Z=41m (Min:10mΩ - Max:21mΩ)	15	12	18
	TIP (Min:11mΩ - Max:23mΩ)	16	13	17

Blade Numbers	Root Inserts Batch number	Root Inserts Supplier	M30 bolts Batch number	M30 bolts Supplier	JIG Control ECR_452046
RB 3534	KP33827001 KP33824006	KP Komponenter A/S	BUX	Kleinsorge Verbindungstechnik	OK
RB 3535	KP33827001 KP33826002	KP Komponenter A/S	BUX	Kleinsorge Verbindungstechnik	OK
RB 3536	KP33827001 KP33825003	KP Komponenter A/S	BUU	Kleinsorge Verbindungstechnik	OK

<b>Date:</b>	<b>05-04-2019</b>
<b>Authorized signature:</b>	<b>Quality Assurance</b>
<b>Stamp:</b>	  Guilherme Teixeira Quality Engineering Coordinator