

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 611_2019</b>				
Article		Colour Code		Documents for construction Blade set				
Rotor Blade: RE 55.8 Order nb: 4500455702 Set NB: 611		RAL 7035		We confirm that the delivered blades are in accordance with Senvion Specifications and all other documents referred on Doc List 52775				
Blades Numbers	Static Moment referring to the blade flange	Deviation from the average static moment of rotor blade [%]	Balancing masses					
			Total Weight (Kg)	Center of gravity COG Z[m]	Balancing Chamber Nº1 (Kg)	Balancing Chamber Nº2 (Kg)	Balancing Chamber Nº3 (Kg)	Extra weight (kg)
RB 1836	216454	0,07	13927	15,54	0	0	0	0
RB 1838	216265	0,02	13853	15,61	18	24	30	0
RB 1842	216205	0,05	13823	15,64	18	24	30	50
Average static moment of the rotor blade set [kgm]			216308					
Lightning protection results		Blades Numbers		RB 1836	RB 1838	RB 1842		
		Receptor 1 --> SS= Z 40m (Min:10 mΩ - Max: 20 mΩ)		17	19	15		
		Receptor 2--> SS Z= 48m (Min:12 mΩ - Max:24 mΩ)		19	17	18		
		Receptor 3 --> PS Z= 40m (Min:10 mΩ - Max:20 mΩ)		17	19	15		
		Receptor 4 --> PS Z=48 m (Min:12 mΩ - Max:24 mΩ)		19	18	18		
		TIP (Min:14 mΩ - Max:27 mΩ)		20	22	27		
Blade Numbers	Root Inserts Batch number	Root Inserts Supplier	M30 bolts Batch number	M30 bolts Supplier	Jig control ECR_558144			
RB 1836	11125260D 110617260D BXG	Heinicke Kleinsorge Verbindungstechnik	400/18	TSF	OK			
RB 1838	112120260D 112018260D 111514260D	Heinicke	400/18	TSF	OK			
RB 1842	11263260D BWO BXF	Heinicke Kleinsorge Verbindungstechnik	BXL	Kleinsorge Verbindungstechnik	OK			

Date:	12-02-2019
Authorized signature:	Quality Assurance
Stamp:	  Guilherme Teixeira Quality Engineering Coordinator