

Customer		Supplier		Certificate number				
Senvion GmbH Überseering 10 22297 Hamburg		Ria Blades,SA Parque Empresarial de Soza Rua da Barreira, nº25 Salgueiro 3840-346 Soza Portugal		IC nº 612_2019				
Article		Colour Code		Documents for construction Blade set				
Rotor Blade: RE 55.8 Order nb: 4500455702 Set NB: 612		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 1840	212581	0,05	13692	15,53	0	17	30	0
RB 1841	212378	0,04	13693	15,51	0	7	30	0
RB 1843	212442	0,01	13684	15,52	0	22	30	0
Average static moment of the rotor blade set [kgm]			212467					
Lightning protection results		Blades Numbers		RB 1840	RB 1841	RB 1843		
		Receptor 1 --> SS= Z 40m (Min:10 mΩ - Max: 20 mΩ)		19	15	16		
		Receptor 2--> SS Z= 48m (Min:12 mΩ - Max:24 mΩ)		23	18	19		
		Receptor 3 --> PS Z= 40m (Min:10 mΩ - Max:20 mΩ)		19	15	16		
		Receptor 4 --> PS Z=48 m (Min:12 mΩ - Max:24 mΩ)		23	17	19		
		TIP (Min:14 mΩ - Max:27 mΩ)		25	26	20		
Blade Numbers	Root Inserts Batch number	Root Inserts Supplier	M30 bolts Batch number	M30 bolts Supplier	Jig control ECR_558144			
RB 1840	111916260D 11094260D 111514260D BVC	Heinicke Kleinsorge Verbindungstechnik	400/18	TSF	OK			
RB 1841	112017260D 112119260D 111916260D	Heinicke	BXL	Kleinsorge Verbindungstechnik	OK			
RB 1843	120516260D 120720260D 120720260D	Heinicke Kleinsorge Verbindungstechnik	BXL	Kleinsorge Verbindungstechnik	OK			

Date:	21-02-2019
Authorized signature:	Quality Assurance
Stamp:	  Guilherme Teixeira Quality Engineering Coordinator