

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 609_2019				
Article		Colour Code		Documents for construction Blade set				
Rotor Blade: RE 55.8 Order nb: 4500455702 Set NB: 609		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 Weigth (Kg)	Center of gravity COG Z[m]	Balancing Chamber Nº1 (Kg)	Balancing Chamber Nº2 (Kg)	Balancing Chamber Nº3 (Kg)	Extra weight (kg)
RB 1835	213692	0,05	13776	15,51	0	5	14	0
RB 1834	213494	0,04	13800	15,47	0	0	0	0
RB 1833	213548	0,01	13745	15,54	0	17	30	0
Average static moment of the rotor blade set [kgm]			213578					
Lightning protection results		Blades Numbers		RB 1835	RB 1834	RB 1833		
		Receptor 1 --> SS= Z 40m (Min:10 mΩ - Max: 20 mΩ)		17	19	17		
		Receptor 2--> SS Z= 48m (Min:12 mΩ - Max:24 mΩ)		19	21	22		
		Receptor 3 --> PS Z= 40m (Min:10 mΩ - Max:20 mΩ)		17	20	20		
		Receptor 4 --> PS Z=48 m (Min:12 mΩ - Max:24 mΩ)		19	22	22		
		TIP (Min:14 mΩ - Max:27 mΩ)		21	23	24		
Blade Numbers	Root Inserts Batch number	Root Inserts Supplier	M30 bolts Batch number	M30 bolts Supplier	Jig control ECR_558144			
RB 1835	110617260D 110718260D 11127260D BXG	Heinicke Kleinsorge Verbindungstechnik	400/18	TSF	OK			
RB 1834	110720260D BXG	Heinicke Kleinsorge Verbindungstechnik	400/18	TSF	OK			
RB 1833	BXC BWJ	Heinicke Kleinsorge Verbindungstechnik	400/18	TSF	OK			

Date:	24-01-2019
Authorized signature:	Quality Assurance
Stamp:	 <small>Guilherme Teixeira Quality Engineering Coordinator</small>