

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 617_2019</b>				
Article		Colour Code		Documents for construction Blade set				
<b>Rotor Blade: RE 55.8</b> <b>Order nb: 4500459607</b> <b>Set NB: 617</b>		COL 008		We confirm that the delivered blades are in accordance with Senvion Specifications and all other documents referred on Doc List 53177				
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 1856	212098	0,08	13676	15,51	0	20	30	0
RB 1857	211794	0,06	13688	15,47	6	24	30	0
RB 1858	211889	0,02	13674	15,50	10	24	30	0
<b>Average static moment of the rotor blade set [kgm]</b>			211927					
Lightning protection results	Blades Numbers		RB 1856	RB 1857	RB 1858			
	Receptor 1 --> SS= Z 40m (Min:10 mΩ - Max: 20 mΩ)		17	17	18			
	Receptor 2--> SS Z= 48m (Min:12 mΩ - Max:24 mΩ)		19	18	20			
	Receptor 3 --> PS Z= 40m (Min:10 mΩ - Max:20 mΩ)		17	20	18			
	Receptor 4 --> PS Z=48 m (Min:12 mΩ - Max:24 mΩ)		19	18	20			
	TIP (Min:14 mΩ - Max:27 mΩ)		21	20	22			
Blade Numbers	Root Inserts Batch number	Root Inserts Supplier	M30 bolts Batch number	M30 bolts Supplier	Jig control ECR_558144			
RB 1856	BXG BYQ	Kleinsorge Verbindungstechnik	82859	Schraubenwerk Zerbst	OK			
RB 1857	BXF BYQ	Kleinsorge Verbindungstechnik	82859	Schraubenwerk Zerbst	OK			
RB 1858	BYQ BXF	Kleinsorge Verbindungstechnik	82859	Schraubenwerk Zerbst	OK			

Date:	16-04-2019
Authorized signature:	Quality Assurance
Stamp:	  Guilherme Teixeira Quality Engineering Coordinator