

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 616_2019				
Article		Colour Code		Documents for construction Blade set				
Rotor Blade: RE 55.8 Order nb: 4500459588 Set NB: 616		COL 007		We confirm that the delivered blades are in accordance with Senvion Specifications and all other documents referred on Doc List 53254				
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 1853	212122	0,01	13729	15,45	0	0	25	0
RB 1854	212077	0,01	13686	15,50	18	24	30	0
RB 1855	212088	0,00	13671	15,51	9	24	30	0
Average static moment of the rotor blade set [kgm]			212096					
Lightning protection results	Blades Numbers		RB 1853	RB 1854	RB 1855			
	Receptor 1 --> SS= Z 40m (Min:10 mΩ - Max: 20 mΩ)		12	15	14			
	Receptor 2--> SS Z= 48m (Min:12 mΩ - Max:24 mΩ)		14	14	15			
	Receptor 3 --> PS Z= 40m (Min:10 mΩ - Max:20 mΩ)		12	13	13			
	Receptor 4 --> PS Z=48 m (Min:12 mΩ - Max:24 mΩ)		14	14	15			
	TIP (Min:14 mΩ - Max:27 mΩ)		16	16	17			
Blade Numbers	Root Inserts Batch number	Root Inserts Supplier	M30 bolts Batch number	M30 bolts Supplier	Jig control ECR_558144			
RB 1853	BYQ	Kleinsorge Verbindungstechnik	82859	Schraubenwerk Zerbst	OK			
RB 1854	BWO BYK	Kleinsorge Verbindungstechnik	82859	Schraubenwerk Zerbst	OK			
RB 1855	BWO BYK	Kleinsorge Verbindungstechnik	82859	Schraubenwerk Zerbst	OK			

Date:	10-04-2019
Authorized signature:	Quality Assurance
Stamp:	  Guilherme Teixeira Quality Engineering Coordinator