



| 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 200_2019 | | | | | |
| Article | | Colour Code | Documents for construction Blade set | | | | | |
| Rotor Blade: RE 59.8 Order nb: 4500456519 Set NB: 200 | | COL 032 | We confirm that the delivered blades are in accordance with Senvion Specifications and all other documents referred on Doc list__52951 | | | | | |
| Blades Numbers | Static Moment referring to the blade flange [Kg.m] | 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 602 | 232270 | 0,00 | 14168 | 16,39 | 0 | 24 | 30 | 0 |
| RB 603 | 232381 | 0,04 | 14203 | 16,36 | 0 | 0 | 30 | 0 |
| RB 605 | 232180 | 0,04 | 14205 | 16,34 | 0 | 0 | 23 | 0 |
| Average static moment of the rotor blade set [kgm] | | | 232277 | | | | | |
| Lightning protection results | Blades Numbers | | RB 602 | RB 603 | RB 605 | | | |
| | Receptor 1 -->SS= Z 45m (Min:11mΩ - Max:23mΩ) | | 18 | 17 | 20 | | | |
| | Receptor 2--> SS Z= 53m (Min:13mΩ - Max:26mΩ) | | 20 | 19 | 23 | | | |
| | Receptor 3 --> PS Z= 45m (Min:11mΩ - Max:23mΩ) | | 18 | 17 | 20 | | | |
| | Receptor 4 --> PS Z=53m (Min:13mΩ - Max:26mΩ) | | 17 | 19 | 22 | | | |
| | TIP (Min:15mΩ - Max:29mΩ) | | 27 | 20 | 23 | | | |
| Blade Numbers | Root Inserts Batch number | Root Inserts Supplier | M30 bolts Batch number | M30 bolts Supplier | Jig control | | | |
| RB 602 | BVI | Kleinsorge Verbindungstechnik | BXL | Kleinsorge Verbindungstechnik | OK | | | |
| RB 603 | 111411260D BXC/BXG | Heinicke Kleinsorge Verbindungstechnik | BXL | Kleinsorge Verbindungstechnik | OK | | | |
| RB 605 | 11138260D 111513260D | Heinicke | BXL | Kleinsorge Verbindungstechnik | OK | | | |

| | |
|--|--|
| Date: | 01-02-2019 |
| Authorized signature: <i>Quality Assurance</i> | Quality Assurance |
| Stamp: |   Guilherme Teixeira Quality Engineering Coordinator |