



ITEM: 001  
Quantity: 1  
Customer Code: Project : Kédainiū

SEA ref.: RDO2018.2717A  
Date: 25/05/2018 12:28:18  
Model: OASC  
SEA Code:

|   |          |          |  |   |
|---|----------|----------|--|---|
| Stepless Petersen coil, hermetically sealed | 4450 kVA | 35/√3 kV |  | V |
|---|----------|----------|--|---|

#### ELECTRICAL DATA

|                       |                 |     |
|-----------------------|-----------------|-----|
| Rating power:         | 4450            | kVA |
| N° of Phases:         | 1               |     |
| Cooling:              | ONAN            |     |
| Fn:                   | 50              | Hz  |
| Standards:            | IEC 60076-6     |     |
| Rated voltage:        | 35/√3           | kV  |
| Max working voltage:  | 38,5/√3 (+/-5%) | kV  |
| Rated current:        | 200             | A   |
| Type of compensation: | Stepless        |     |
| Regulation type:      | 20-200          | A   |
| Load cycle:           | CONTINUOUS      |     |

|                                  |                       |    |
|----------------------------------|-----------------------|----|
| Insulating level:                | 40.5 / 85 / 185       | kV |
| Insulating class:                | A                     |    |
| Ambient temperature [MIN / MAX]: | -35 / +35             | °C |
| Overtemp. Oil / Windings:        | 75 / 80               | °C |
| Installation:                    | Outdoor. <= 1000 masl |    |

|                              |                                |           |
|------------------------------|--------------------------------|-----------|
| Secondary winding:           | 500 x 80 x 60 (10% continuous) | V x A x s |
| Winding for measurement:     | 100 x 1                        | V x A     |
| Parallel resistance at 20°C: | 6.25                           | Ω         |

|                                     |                    |    |
|-------------------------------------|--------------------|----|
| Reactor overall dimensions (LxWxH): | 2600 x 2400 x 2750 | mm |
| Reactor weight:                     | 6000               | kg |
| Oil weight:                         | 2000               | kg |

|                   |  |
|-------------------|--|
| Technical remarks | 1) Auxiliary voltages : 400 VAC-3ph-50Hz for motor drive, 230 VAC for Control<br>2) CT ratio 200/1 A, 15 VA, cl.1<br>3) Power terminals 1U& 1N : Porcelain type 40 kV - 250 A, in IP00. CD >= 20 mm/kV (mod. 40F/250-T1)<br>4) Secondary terminals 2U& 2V : Porcelain type 1 kV - 250 A, protected<br>5) Coil position indicator : Potentiometer 0÷1000 ohm<br>6) Windings in Alluminium<br>7) Filled with mineral oil not inhibited Nynas Libra (IEC 60296)<br>8) Painting for C3 environment. Top coat RAL 7033. Final thickness 120 microns min |
|-------------------|--|

#### INCLUDED STANDARD ACCESSORIES

- 1) Undercarriage with skids
- 2) N° 2 grounding provisions
- 3) Lifting lugs
- 4) Haulage hooks
- 5) N° 1 rating plate
- 6) N° 1 thermometer pocket
- 7) Oil drain valve
- 8) RIS device
- 9) Marshalling kiosk with push-buttons for local UP/DOWN

#### SPECIAL TECHNICAL REMARKS

- 1) Execution : Corrugated tank, hermetically sealed and integrally filled

Standards Standard test according IEC60076 included. Type and special tests at cost if required.