

## Chokes for traction purposes, type TZS

### Popis :

Air chokes SKYTLVZ are quality chokes with permanent inductance. They are intended for traction.

**SKY2PKT600-Tr** is a traction passive interference suppression L-L filter produced by SKYBERGTECH company. This untraditional integration of chokes is wired so that it restricts quantity of radio frequency interference coming to the trolley wire from the traction vehicle. The filter is designed for outdoors.

**SKYTL150-0,15, SKYTL800-0,015 and SKYTR420-0,6** are single-phase traction chokes.

**SKY3FFL160H** is three-phase traction choke.



### TECHNICAL PARAMETERS:

|  |          |
|--|----------|
| Power loss                                     | Pc: 40W  |
| Nominal current                                | In: 100A |
| Inductance ± 5%                                | Ln: 60uH |
| Short-term overcurrent capacity: 50% In        |          |
| Thermal clas: F                                |          |
| Protection class: IP00                         |          |
| Extent of operating temperatures: -10°C + 40°C |          |

### TECHNICAL PARAMETERS:

|  |          |
|--|----------|
| Power loss                                     | Pc: 50W  |
| Nominal current                                | In: 100A |
| Inductance ± 5%                                | Ln: 90uH |
| Short-term overcurrent capacity: 50% In        |          |
| Thermal clas: F                                |          |
| Protection class: IP00                         |          |
| Extent of operating temperatures: -10°C + 40°C |          |

### TECHNICAL PARAMETERS:

|  |          |
|--|----------|
| Power loss                                     | Pc: 64W  |
| Nominal current                                | In: 600A |
| Inductance ± 5%                                | Ln: 15uH |
| Short-term overcurrent capacity: 50% In        |          |
| Thermal clas: F                                |          |
| Protection class: IP00                         |          |
| Extent of operating temperatures: -10°C + 40°C |          |

### TECHNICAL PARAMETERS:

|  |           |
|--|-----------|
| Power loss                                     | Pc: 64W   |
| Nominal current                                | In: 150A  |
| Inductance ± 5%                                | Ln: 150uH |
| Short-term overcurrent capacity: 50% In        |           |
| Thermal clas: F                                |           |
| Protection class: IP00                         |           |
| Extent of operating temperatures: -10°C + 40°C |           |

### TECHNICAL PARAMETERS:

|  |          |
|--|----------|
| Power loss                                     | Pc: 100W |
| Nominal current                                | In: 800A |
| Inductance ± 5%                                | Ln: 15uH |
| Short-term overcurrent capacity: 50% In        |          |
| Thermal clas: F                                |          |
| Protection class: IP00                         |          |
| Extent of operating temperatures: -10°C + 40°C |          |



**SKYTR420-0,6**



**SKY3FFL160H**



## **TECHNICKÉ PARAMETRY :**

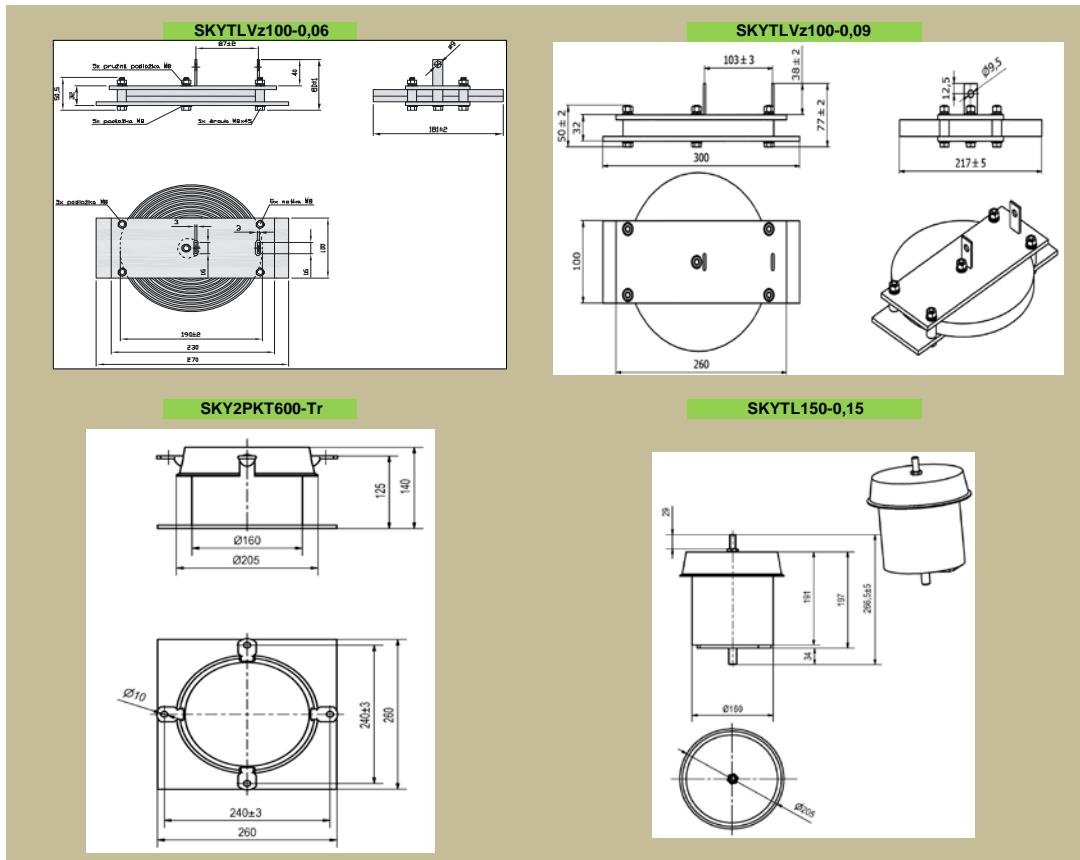
|                                   |              |
|-----------------------------------|--------------|
| Power loss                        | Pc: 1490W    |
| Nominal current                   | In: 420A     |
| Inductance $\pm 5\%$              | Ln: 0,6uH    |
| Short-term overcurrent capacity:  | 150% In      |
| Thermal clas: H                   |              |
| Protection class: IP00            |              |
| Extent of operating temperatures: | -10°C + 40°C |

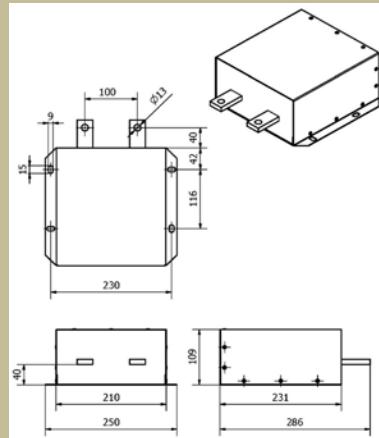
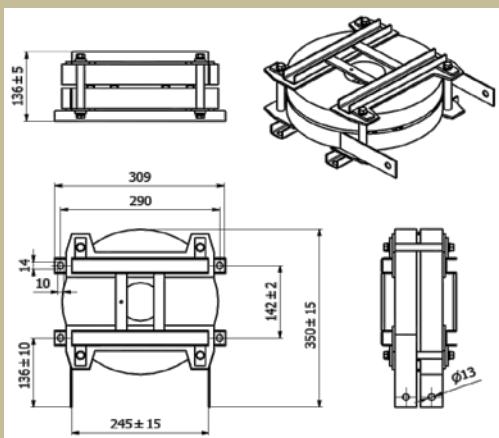
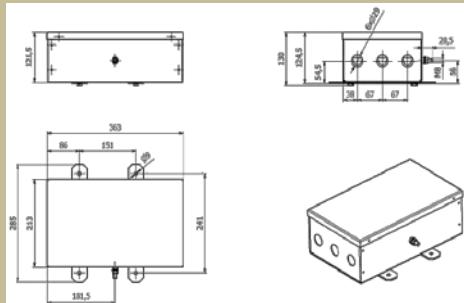
#### **TECHNICKÉ PARAMETRY :**

| Type            | Nominal current [A] | Inductance ±5% (uH) | Weight [kg] | Conductor cross section [mm 2] | basic dimensions [mm] |        |       |       |       |       |
|-----------------|---------------------|---------------------|-------------|--------------------------------|-----------------------|--------|-------|-------|-------|-------|
|                 |                     |                     |             |                                | A                     | B      | C     | D     | E     | F     |
|                 |                     |                     |             |                                | length                | height | width | pitch | other | other |
| SKYTLVz100-0,06 | 100                 | 60                  | 6           | ø 9 mm                         | 270                   | 80     | 181   | 87    | 190   | 40    |
| SKYTLVz100-0,09 | 100                 | 90                  | 6,8         | ø 9 mm                         | 300                   | 77     | 217   | 103   | 260   | 38    |
| SKY2PKT600-Tr   | 600                 | 15                  | 9           | oko 95x10                      | 260                   | 140    | 260   | 240   | 240   | -     |
| SKYTL150-0,15   | 150                 | 150                 | 15          | M16                            | 205                   | 267    | 205   | -     | -     | -     |
| SKYTL800-0,015  | 800                 | 15                  | 15          | oko 185x12                     | 250                   | 109    | 255   | 230   | 116   | -     |
| SKYTR420-0,6    | 420                 | 0,6                 | 46          | Ø 13 mm                        | 309                   | 136    | 350   | 290   | 142   | -     |
| SKY3FFL160H     | 160                 | 15                  | 11          | oko 120x10                     | 363                   | 112,5  | 285   | 151   | 241   | -     |

\* After a deal there is a possibility of modification of the filter construction according to the customer's request.

## Dimensional drawing:



**SKYTL800-0,015****SKYTR420-0,6****SKY3FFL160H**

#### **Service conditions:**

If damage, exceeding of technical parameters and breach of service conditions not occur, an annual visual check of the filter will be enough. If the damage, exceeding of technical parameters or breach of service conditions occurs, it will be necessary to review or repair the filter by the producer.

An expected life is 10 years minimally if the technical parameters are not exceeded and the service conditions are not breached.

#### **Use:**

The filters are used for supplemental decrease of electromagnetic emission of the traction vehicle.