



Technical Information Rotating Heat Exchangers

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Casing

General

- Casing is today manufactured in two types: simple and standard
- For vertical casings up to and including 1200mm in square, the depth of the casing is 265mm
- For vertical casings from 1201mm in square the depth of casing is 305mm
- Please note: The depth of horizontal casings is 305mm
- For casings up to and including 1200mm in square the wheel is 100mm smaller than the casing.
- But for casings from 1201mm in square the wheel is instead 150mm smaller than the casing
- For wheels from 1101mm in diameter there is an extra girder mounted which makes the casing looks like a "T" viewing it from the back and front side.
- Standard casing sizes are available up to 2650mm but bigger sizes may be discussed on request.
- Brush sealant is assembled at the wheel pressing on the casing from the inside
- Brush sealant is assembled at the girder as well which separate the two air streams at the back and the front of the casing.

Simple

- Simple casing is in its basic construction similar to a standard casing. The difference is that a simple casing does not have any side plates or top/bottom plates . This means that the casing is not covered with 4 plates at the sides (depth of the wheel)

Standard

- Standard casing is a casing covered on all 6 sides by plates: front, back, top, bottom and 2 sides. Of the sides is one removable to secure the possibility to do maintenance.

Purge sector

- The purpose of the purge sector is to clean the wheel from the exhaust air before it turns over to the supply air side.
- The purge sector is made in the size of 5° with start at center of the wheel.

- At the purge sector is brush sealant assembled at the upper side and at the lower side.
- At order please fill in position of purge sector according to enclosed guideline. The position is fixed based on the direction of the wheel as well as the directions of the supply/exhaust air.