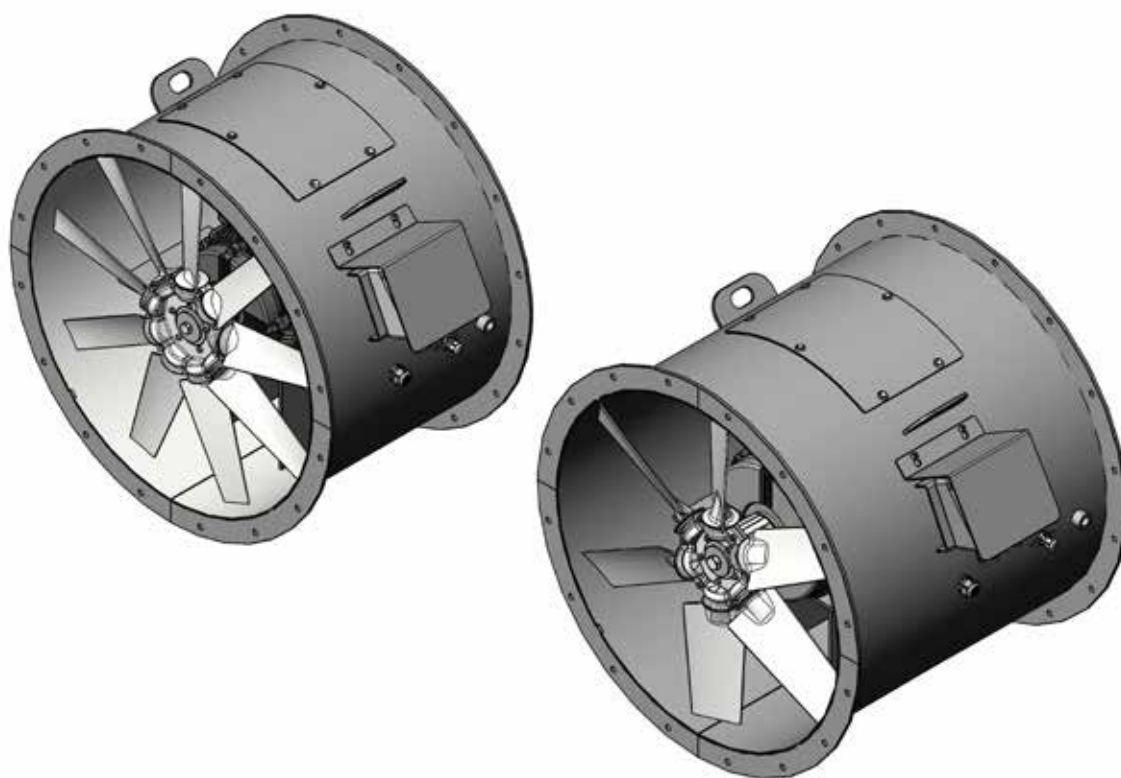


Installation Instructions

AXIAL BLOWERS 8,66kW and 17,2kW

408099 (en) 10-2025



You'll see the difference

CONTENTS

PRESENTATION OF 17,2 kW and 8,66 kW AXIAL BLOWERS.....	3
114552 AXIAL BLOWER 1-STAGE***17,2kW ø710mm 108kg.....	4
114554 AXIAL BLOWER 1-STAGE***8,66kW ø710mm 75kg.....	4
INSTALLATION OF BLOWERS INTO TO THE PIPE, D800	5
INSTALLATION OF SILENCER AND AXIAL FAN DAMPER.....	6
HORIZONTAL INSTALLATION OF BLOWERS.....	9
VERTICAL INSTALLATION OF BLOWERS	10
DUSTEX DUST CONTROL.....	11
SERVICING.....	13
ELECTRIC INSTALLATION; FIRE THERMOSTAT	13
GUARANTEE	14
EU Declaration of Conformity.....	15

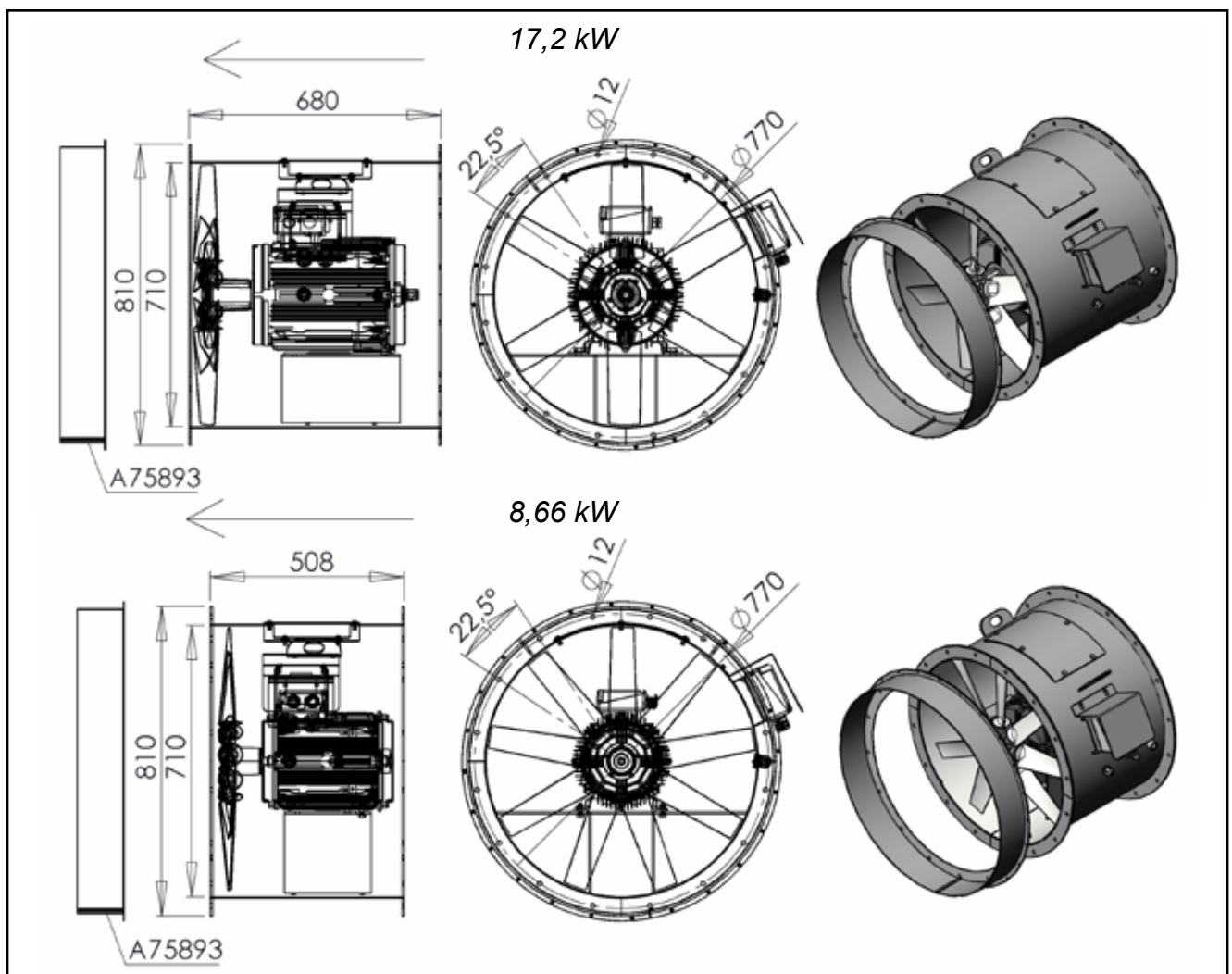
PRESENTATION OF 17,2 kW and 8,66 kW AXIAL BLOWERS

The blowers are available in two different sizes. Those are equipped with either a 17.2 kW or a 8.66 kW motor. The blower shall be installed outside the dryer, inside the air channel.

The motors are by one size smaller than stated in the nameplate, but the given output, however, is correct. Running at a greater load is possible, provided that the cooling effect is sufficient.

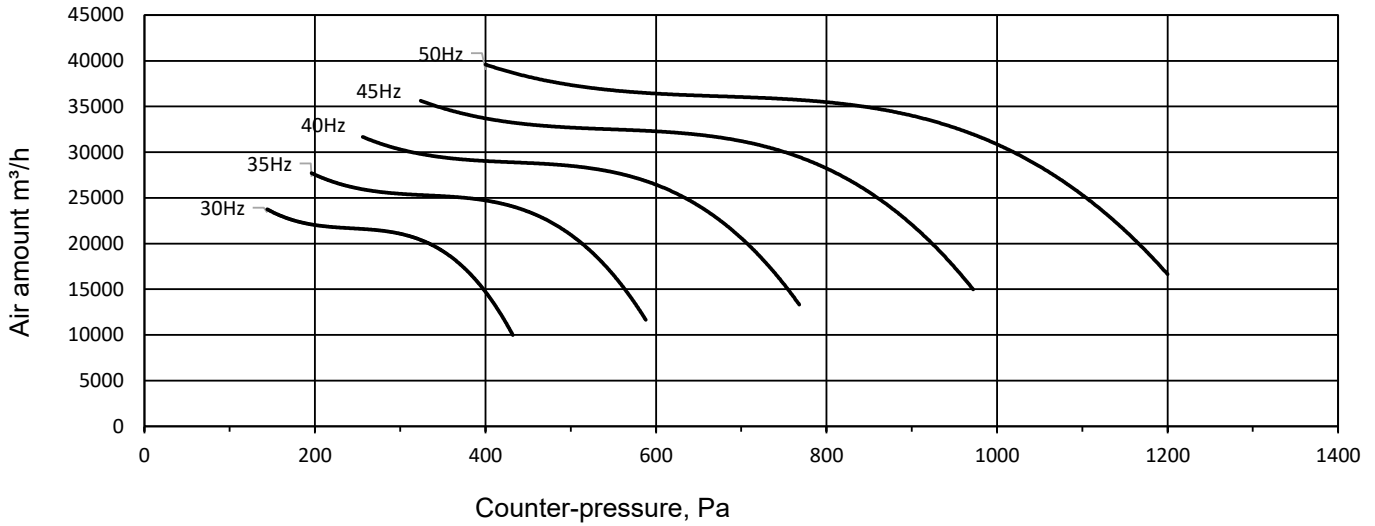
- A fire thermostat is delivered with the blower. There are installation points for both the fire thermostat and the outlet temperature sensor in the blower frame.

114552 AXIAL BLOWER, 1-STAGE*** 17,2 kW \varnothing 710 mm 108kg
 114554 AXIAL BLOWER, 1-STAGE *** 8,66 kW \varnothing 710 mm 75 kg

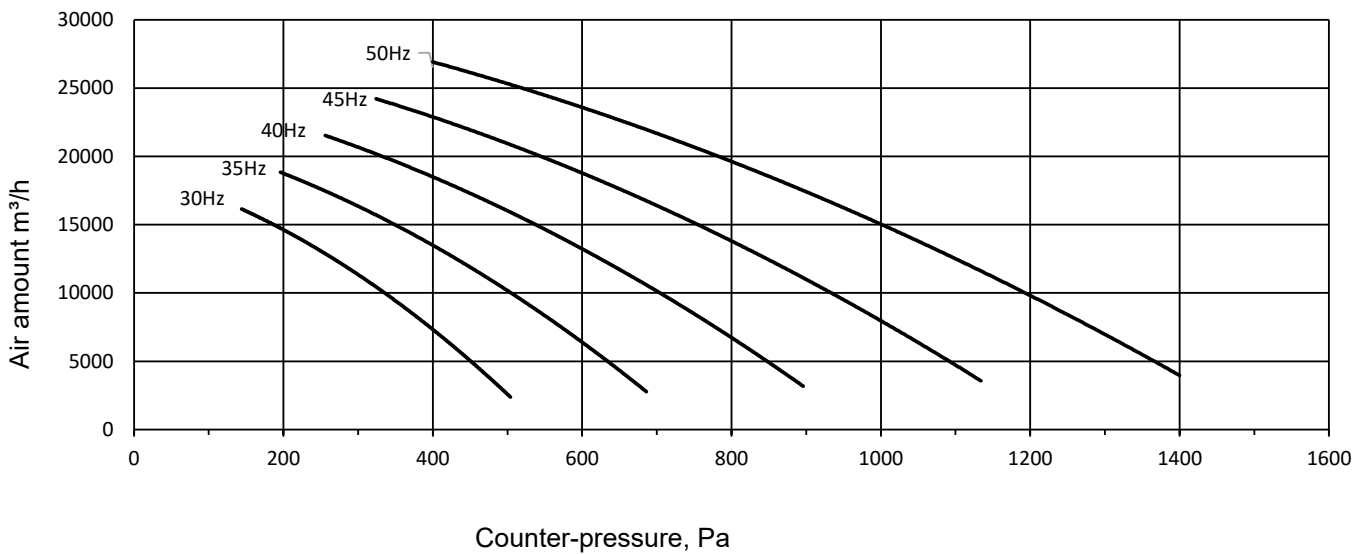


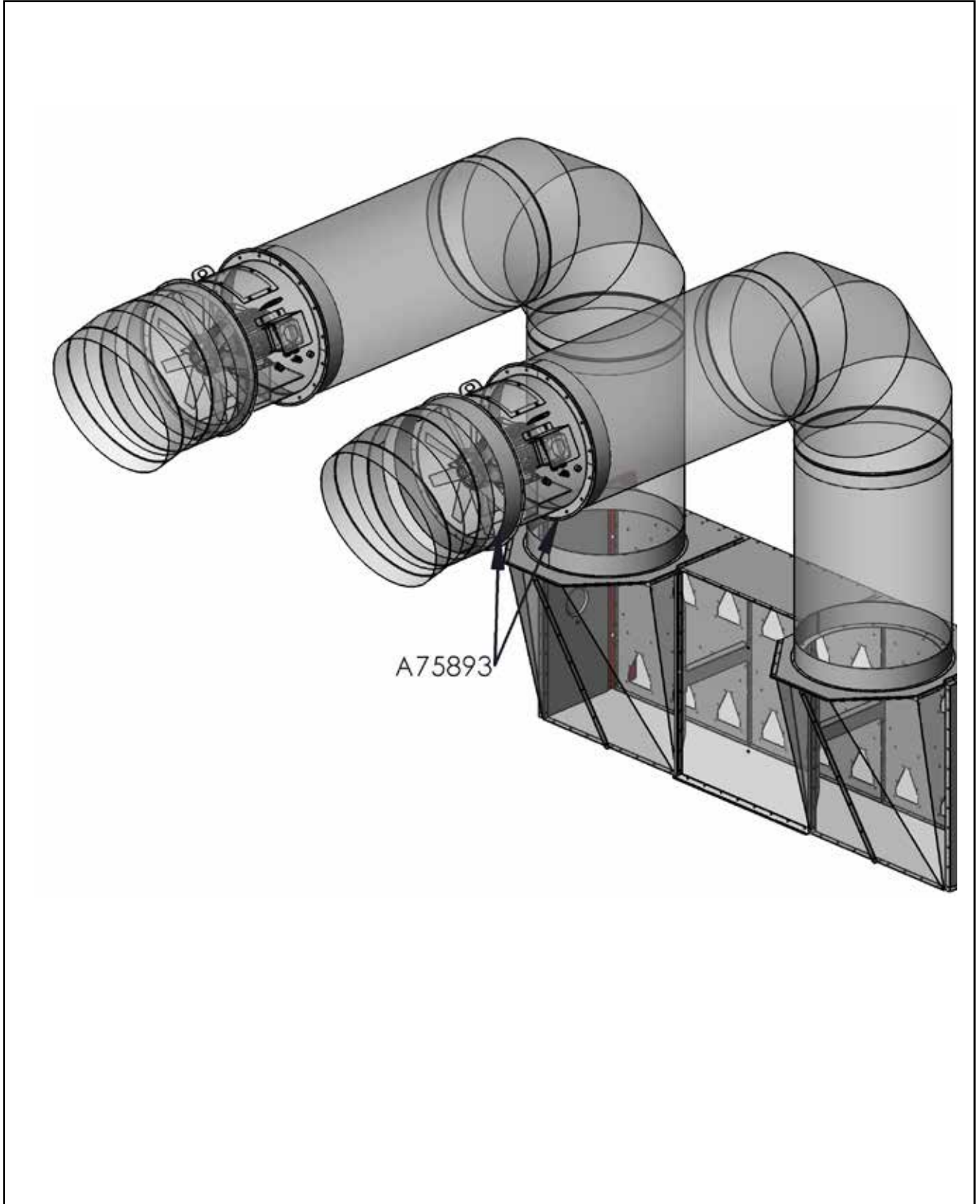


114552 AXIAL BLOWER 1-STAGE***17,2kW ø710mm 108kg

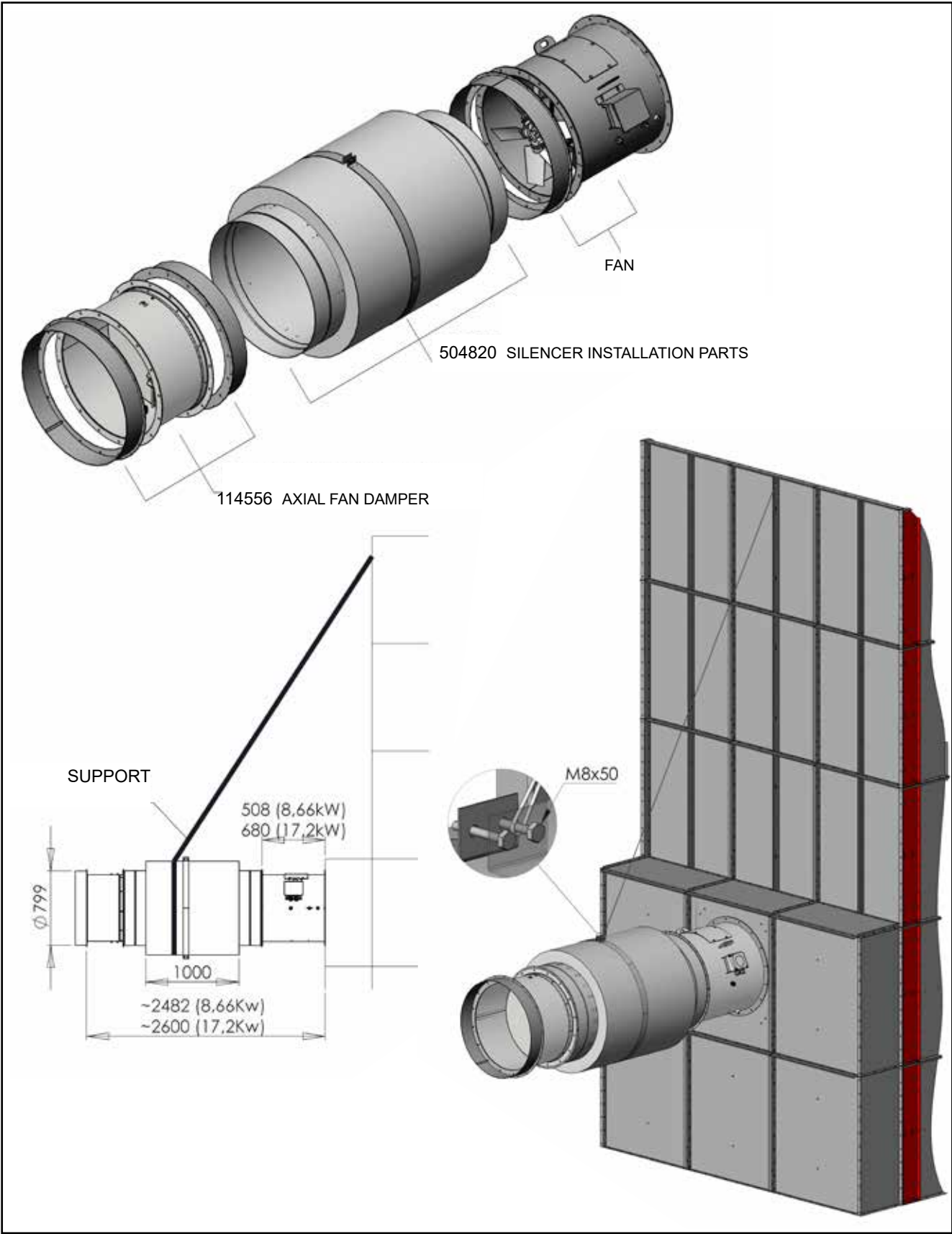


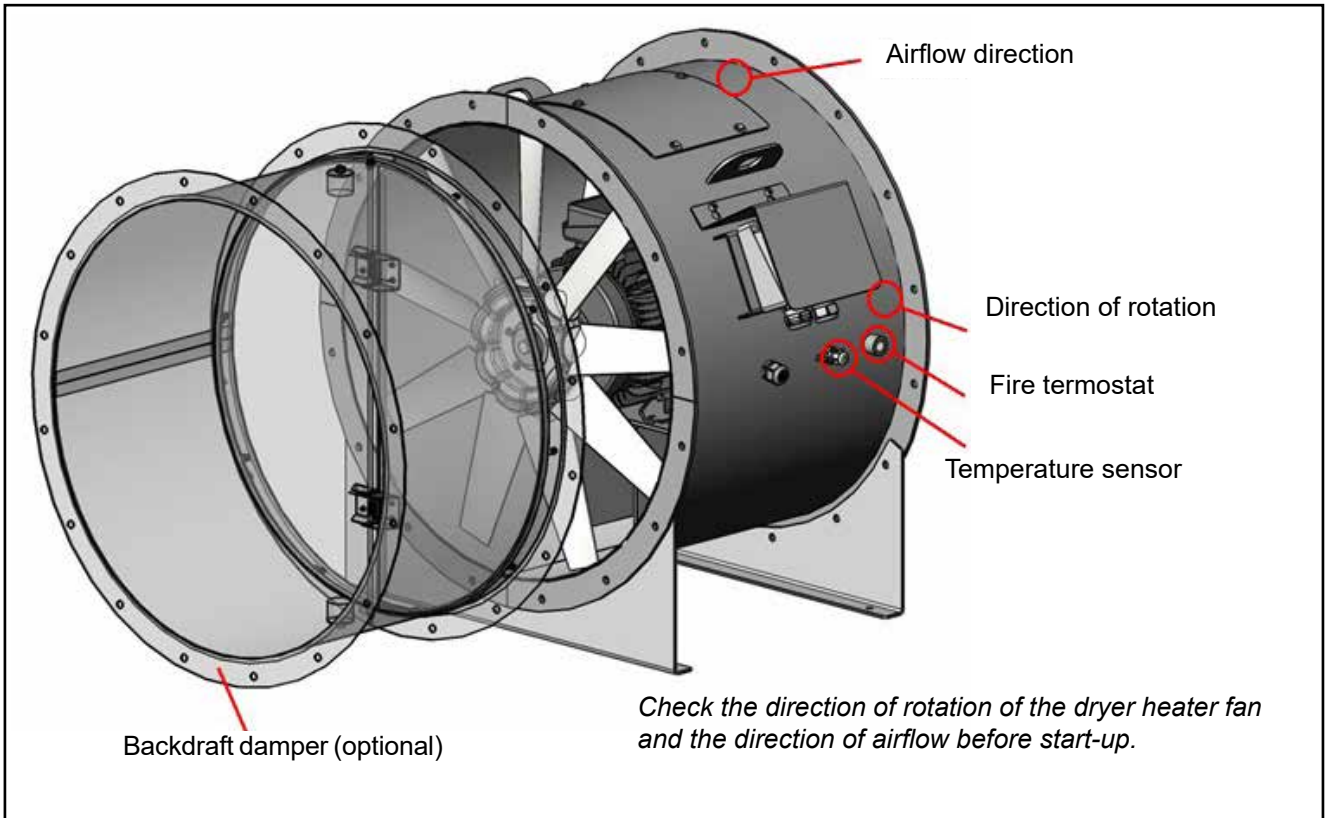
114554 AXIAL BLOWER 1-STAGE***8,66kW ø710mm 75kg



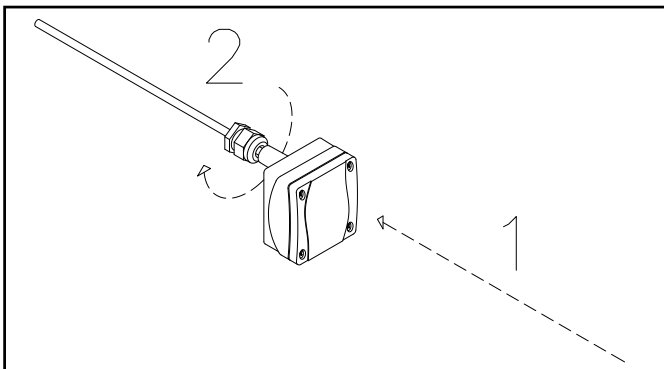
INSTALLATION OF BLOWERS INTO TO THE PIPE, D800

INSTALLATION OF SILENCER AND AXIAL FAN DAMPER

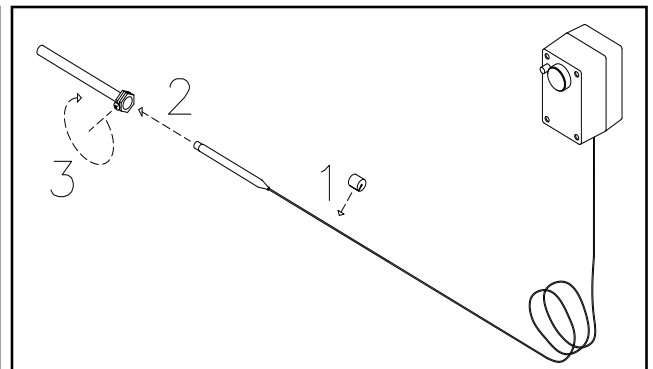




Correct installation of the blower and direction of rotation of the impeller are absolutely crucial. The arrows indicating the direction of the airflow and the direction of rotation are punched in the nameplate and the arrow indicating the direction of rotation is punched in the impeller blades.



Installation of the temperature transmitter



installation of the tire thermostat

The fire thermostat and the outlet temperature sensor shall be installed in their designated installation points as shown in the adjacent drawings



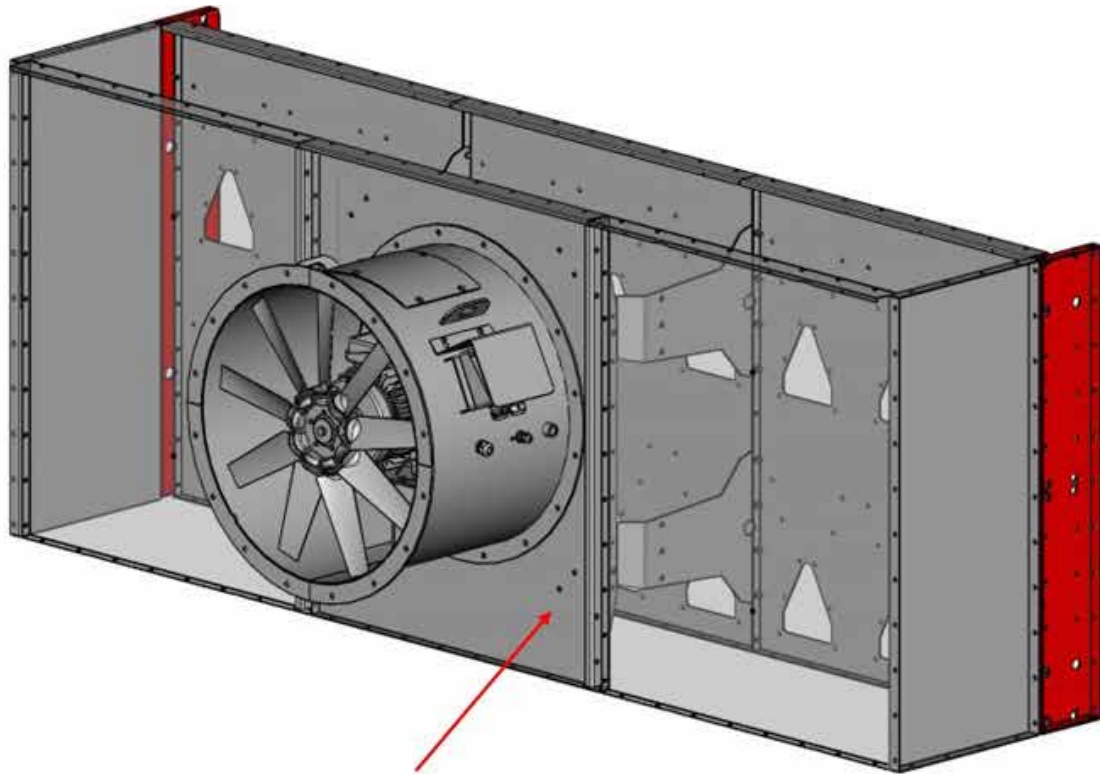
If blowers have been installed in more than just one drying section, the temperature transmitter shall be installed in the one located lowest. Horizontally, the temperature transmitter should be installed in the blower located in the middle.

Each blower unit shall be equipped with a fire thermostat, and if there is more than just one blower, the contacts of the thermostats shall be connected in series.

Sound pressure emitted by the blowers at a counter pressure of 800kPa:

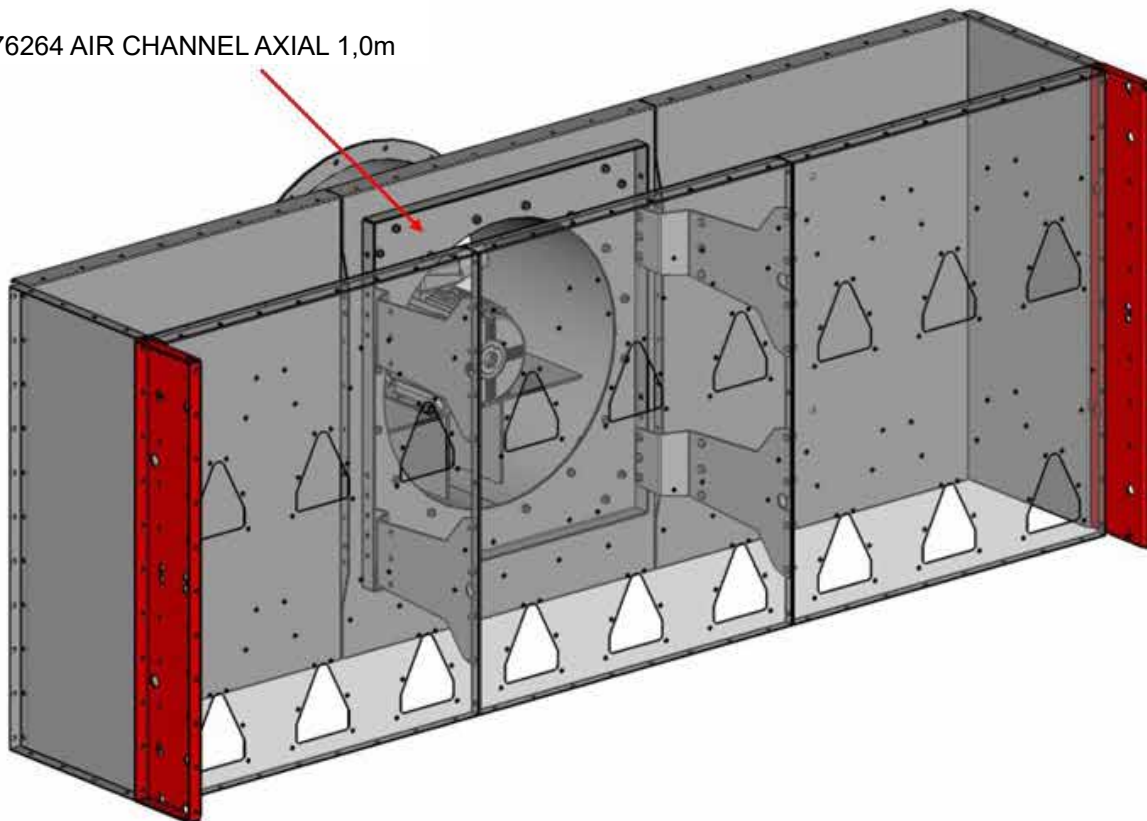
17,2 kW	
50 Hz	104 dB
45 Hz	103 dB
40 Hz	98 dB
8,66 kW	
50 Hz	103 dB
45 Hz	93 dB
40 Hz	90 dB

HORIZONTAL INSTALLATION OF BLOWERS



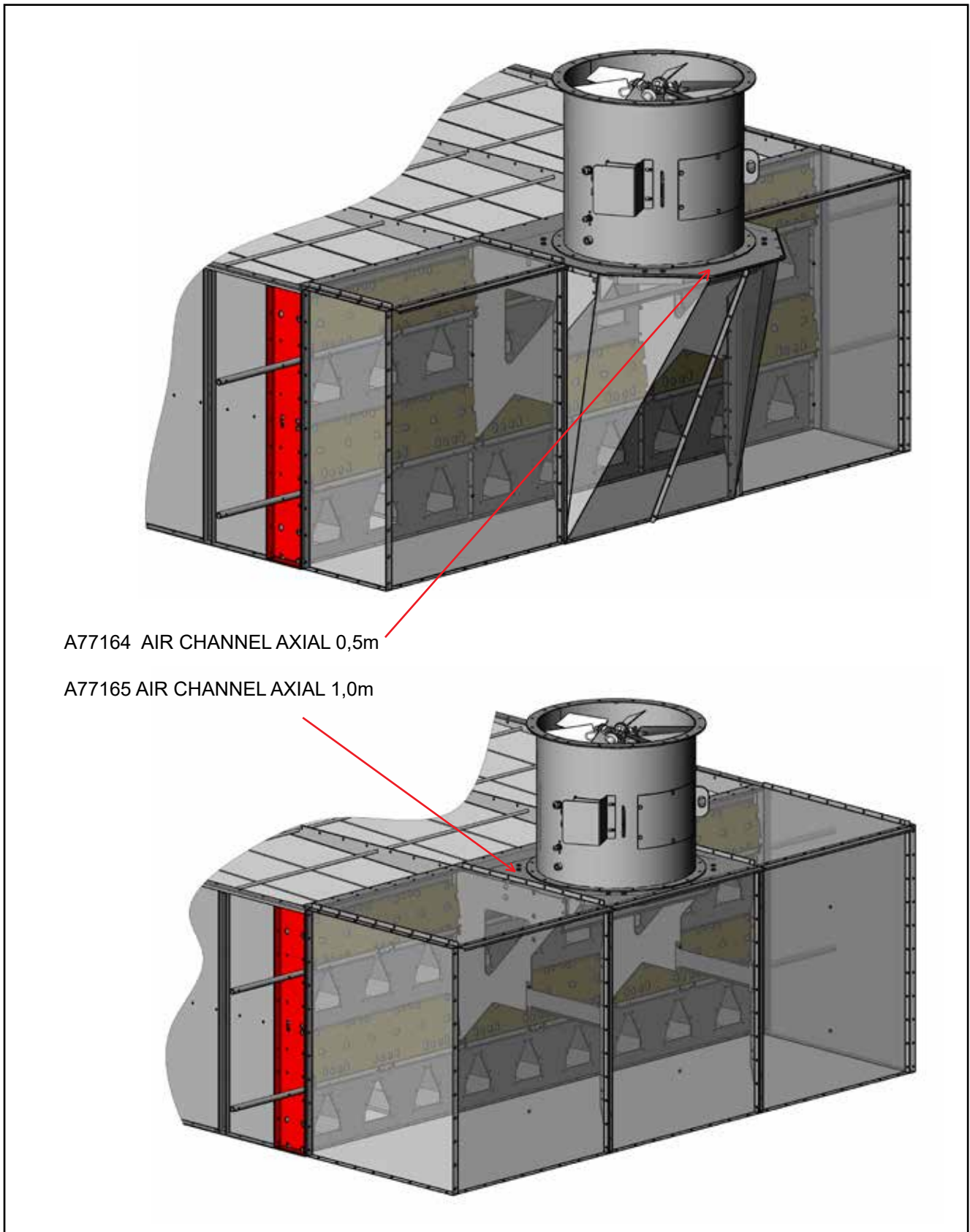
A76263 AIR CHANNEL AXIAL 0,5m

A76264 AIR CHANNEL AXIAL 1,0m

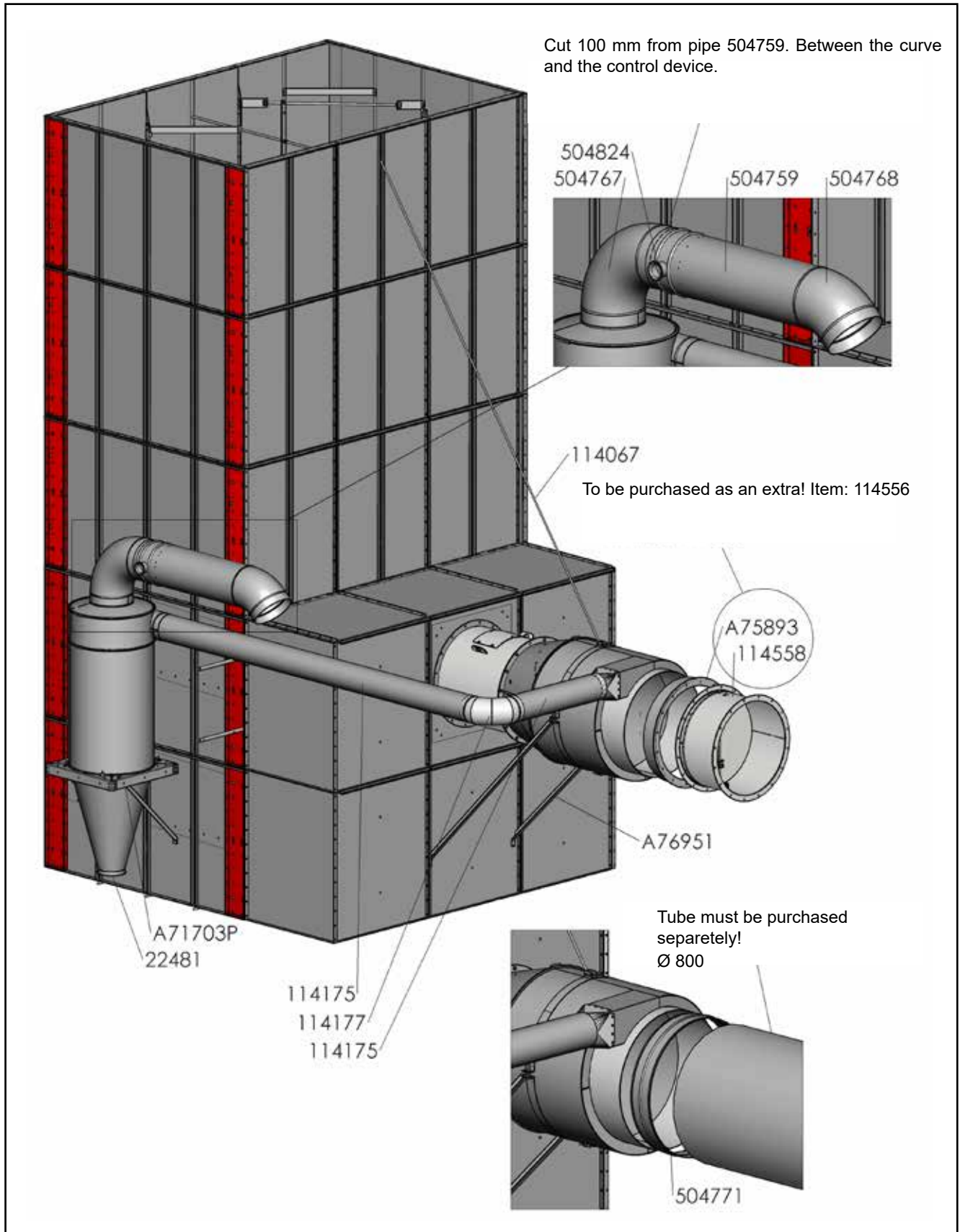


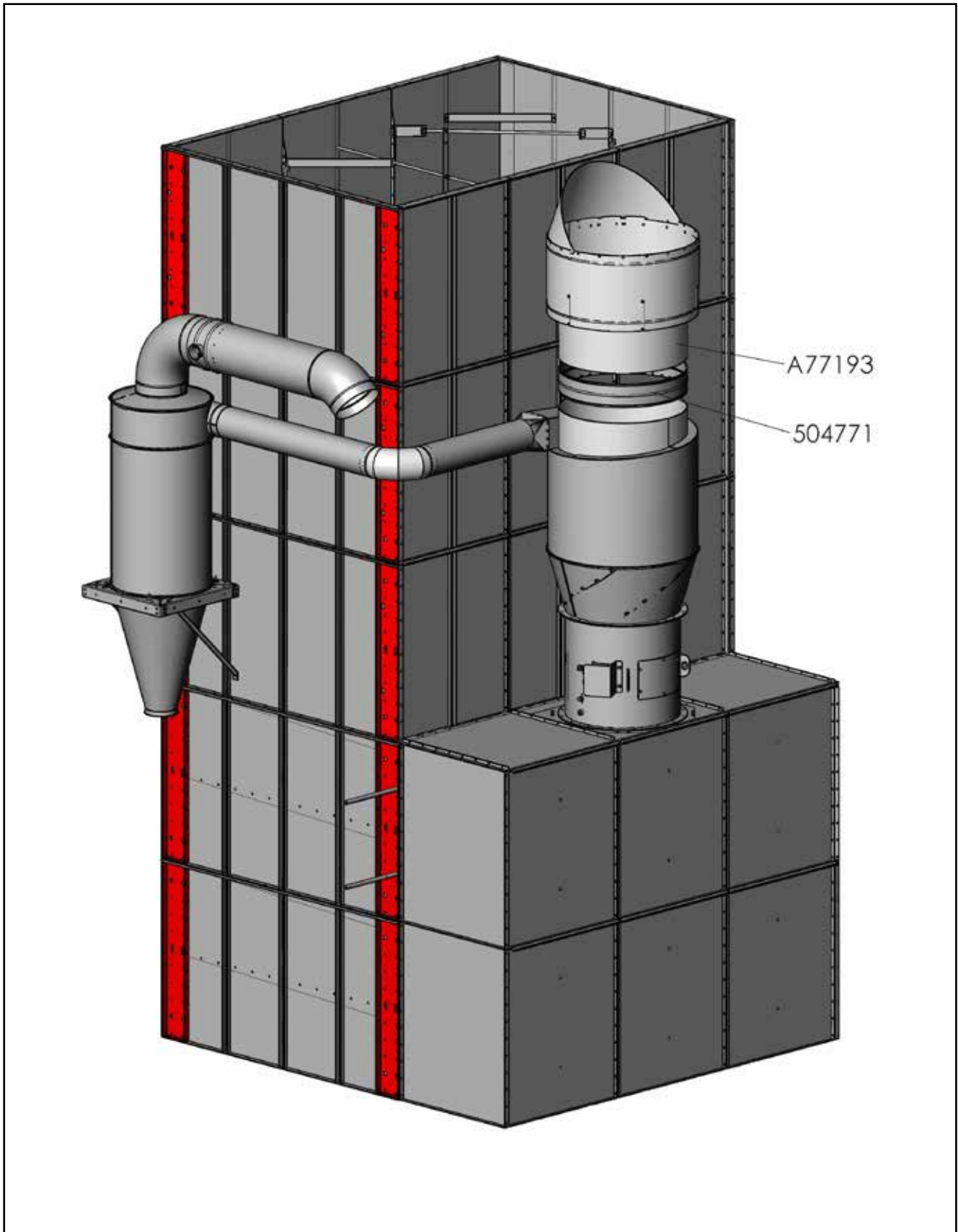
Principle drawing presenting installation in the air channel end of the dryer

VERTICAL INSTALLATION OF BLOWERS



DUSTEX DUST CONTROL







SERVICING

The cooling ribs and the impeller blades of the electric motors must be cleaned. If the cooling ribs get dirty or the blower starts vibrating because of dust accumulated on the impeller, the cleaning may have to be repeated even during the operating season. In addition, we recommend keeping an eye on the essential parts of the blower for any signs of corrosion/fatigue and on the screws for tightness.

ELECTRIC INSTALLATION; FIRE THERMOSTAT

- Ensure the correct direction of rotation of the blower.
- Carry out the electric connection of the heater in accordance with the wiring diagrams for the electric centre.
- Install the fire thermostat.

The fire thermostat shuts down all the operations of the dryer immediately after the pre-set temperature has been reached, for example, as a result of fire inside the dryer. The fire thermostat is delivered with the blowers. A fire thermostat is installed in every outlet pipe from the blower. Normally the thermostat is adjusted to 60 °C. The thermostat comes with a 2-metre-long capillary pipe, which makes it possible to install the thermostat box in a location where it is easy to access. The manually operated reset button at the side of the thermostat box must always be reset after the temperature has risen to the switch-off limit. In normal operation the temperature never rises to such a high level. Such an exceptional situation may occur while the dryer is being test run empty whereupon the temperature may easily rise to the pre-set switch-off value.

Current ratings for different blowers at maximum load:

- | | |
|--|--------|
| - 1-stage axial blower with 8,66 kW motor: | 16,5 A |
| - 1-stage axial blower with 17,2 kW motor: | 31,5 A |



GUARANTEE

The guarantee period for the blowers is one (1) operating season. The guarantee covers defects in material and workmanship. For the electric motors, the separate guarantee terms, issued by the respective manufacturers, apply.

A prerequisite for validity of the guarantee is that the instructions issued by the manufacturer and the valid regulations have been followed during installation, use and service of the blowers.

A prerequisite for validity of the product guarantee is that the control system and the components used are approved by Antti-Teollisuus.

All matters related to the guarantee shall be agreed upon with the manufacturer before any action is taken.



EU Declaration of Conformity

ANTTI-TEOLLISUUS OY
Koskentie 89
FI-25340 KANUNKI
Tel.: +358 2 7744700

declares that

AXIAL BLOWERS

conform with the provisions of the following directives:

- Machine Directive 2006/42/EU

Kuusjoki 02.01.2020

Kalle Isotalo
Managing Director