E L14 R/L20 R/L30 R/L40 R

Relocating rotor motor

Areas of use

If the ventilation unit is placed against a wall with the rotormotor facing the wall, the motor will be unavilable for service. The rotor motor will have to be moved to the opposite side of the rotor wheel. Follow the instructions below to carry out the relocation.

Work procedure

Before opening the doors to access the heat recovery unit:
Stop the unit by use of the service switch, or turn off the heat and let the fans run for 3 minutes to remove the hot air. Remove the power source from the unit and wait 2 minutes before opening the doors.

1 Open the unit doors, unscrew the screws and remove the end lid (not shown in drawing) covering the rotor wheel and motor
2 Unscrew the connector box from the rotor chassis
3 Pull free the wiring fitted in rubber bushing in the unit wall
4 Remove rotor driving belt
5 Remove screws and the mounting bracket holding the rotor motor
6 Remove rotor motor from the rotor chassis
7 Unscrew the screws which retains the motor bracket on the rubber absorbers on the motor (Fig. 1B)
8 Rotate motor 180° sideways. Use the rearmost set of holes (Fig. 2B)
9 Open the unit doors on the opposite side, unscrew the screws and remove the end lid covering the rotor
10 Mount the bracket with motor into the chassis on the opposite side
11 Reinstall the rotor driving belt
12 Fasten the connector box on the rotor chassis
13 Push the wiring with the rubber bushing into the slots in the side wall
14 Remount the end lids on both sides of the rotor cabinet and reenter the screws (not shown in drawing)
15 Check that the rotor is rotating in the correct direction (see directional arrow in Fig. 2A)

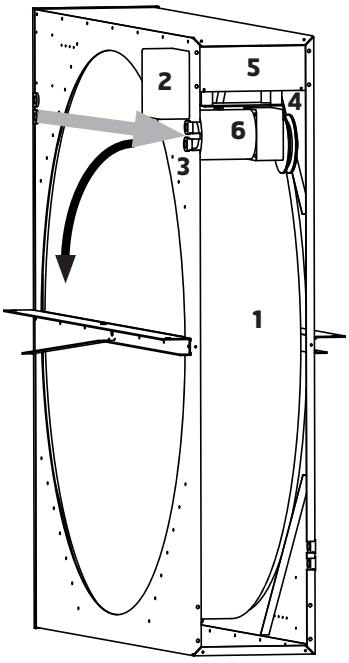

Fig 1A Rotor - Standard mounting

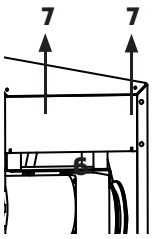

Fig 1B Motor - mounted on bracket

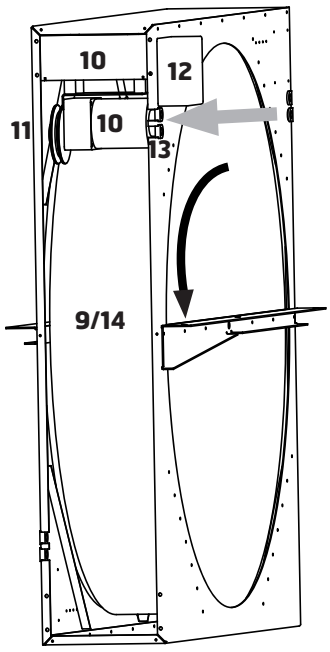

Fig 2A Rotor - After relocation

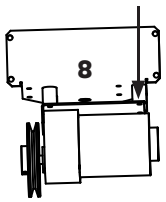

Fig 2B Motor - mounted on bracket

Adjustment of rotor

Note! Not do this adjustment before the rotor is correct placed in the aggregate.

Check that the distance from the plateedge to the rotor is equal by top and bottom. If necessary adjust with screws near center of rotor (photo).

The shaft must first be unfastened by the end screw, and then fastened again after adjustment.