

INSTALLATION MANUAL

BAKE STAR INTELLIGENT

MODELS

BS3i
BS5i
BS8i
BS10i



Model BS5i

- NOTICE -

This manual is prepared for the use of trained Service Technicians and should not be used by those not properly qualified. If you have attended a training for this product, you may be qualified to perform all the procedures in this manual.

This manual is not intended to be all encompassing. If you have not attended a training for this product, you should read, in its entirety, the repair procedure you wish to perform to determine if you have the necessary tools, instruments and skills required to perform the procedure. Procedures for which you do not have the necessary tools, instruments and skills should be performed by a trained technician.

Reproduction or other use of this Manual, without the express written consent of Fri-Jado, is prohibited.

EMPTY PAGE

INDEX

Index	2
General technical data	4
Technical Data	4
Installation procedures	5
Unpacking and removing the unit from the pallet	5
Location	5
Electrical supply	5
Test run	5
Instructions for operators	6
Installation drawings	7
Bake Star 3i - installation drawing	7
Bake Star 3i + 3i - installation drawing	8
Bake Star 5i - installation drawing	9
Bake Star 5i+3i - installation drawing	10
Bake Star 5i+5i - installation drawing	11
Bake Star 5i+5i with extractionhood/condenser - installation drawing	12
Bake Star 5i + Proofer - installation drawing	13
Bake Star 10i - installation drawing	15

GENERAL TECHNICAL DATA

This manual covers the *Bake Star intelligent* series bake-off ovens. The *Bake Star intelligent* comes in various sizes with 3, 5 8 or 10 baking levels for standard 40x60 cm baking trays. The ovens are also available in stacked versions of 3+3 3+5 and 5+5.

- BS3i – Bake-off oven with 3 levels
- BS5i – Bake-off oven with 5 levels
- BS8i – Bake-off oven with 8 levels
- BS10i – Bake-off oven with 10 levels

All of the information, illustrations and specifications contained in this manual are based on the latest product information available at the time of printing.

TECHNICAL DATA

STANDARD MODELS	BS3i	BS5i	BS8i	BS10i
Power	7880W	12750W	19100W	23300W
Fuses needed with power connection 400V 3N~50...60Hz (3 phases with neutral)	3x 16A	3x 20A	3x 32	3x 35
Fuses needed with power connection 230V 3~50...60Hz (3 Phases without neutral)	3x 30A	3x 35A	3x 50A	3x 63A
Standard plug from factory (according to IEC 60309 and CEE-form)	16A 3P+N+E 5 pole	32A 3P+N+E 5 pole	32A 3P+N+E 5 pole	63A 3P+N+E 5 pole
Default cable	5x2,5 mm ²	5x4 mm ²	5x4 mm ²	5x6 mm ²
Net weight	108 kg	136 kg	181 kg	212 kg
Gross weight	125 kg	155 kg	203 kg	234 kg
Hight	650 mm	850 mm	1150 mm	1350 mm
Width	910 mm	910 mm	910 mm	910 mm
Depth	740 mm	740 mm	740 mm	740 mm

SPECIAL MODELS 200V 3~ 50...60Hz	BS3i	BS5i	BS8i	BS10i
Power	7400W	12000W	17600W	21600W
Maximum current	28A	35A	54A	65A
Default cable	4 mm ²	6 mm ²	6 mm ²	6 mm ²

Tools

- Standard set of tools.
- Metric wrenches, sockets and hex socket key wrenches.
- Multi-meter and AC current clamp meter.
- Temperature tester.
- Insulation value tester (Megger).
- Field Service Grounding Kit.
- Centring bush, mounting accessory for blower.

INSTALLATION PROCEDURES

- Unpacking of the unit.
- Remove the pallet under the unit with the help of a fork lift.
- Put the unit on his location.
- Check if there is enough free space around the unit (50 mm.).
- Check the electrical supply.
- Check all settings and make a test run with all functions switched on.
- Give instructions to the operator.

UNPACKING AND REMOVING THE UNIT FROM THE PALLET

Immediately after unpacking the oven, check for possible shipping damage. If the oven is found to be damaged, save the packaging material and contact the carrier within 15 days of delivery. Remove the pallet under the unit with the help of a fork lift.

LOCATION

The oven must be installed on a level surface. The installation location must allow adequate clearances for servicing and for proper operation.

ELECTRICAL SUPPLY

Prior to installation, test the electrical service to assure that it agrees with the specifications on the machine data plate located on the middle backside panel near the controls. The connecting cable for the unit must be equipped with an approved plug connection. If use is to be made of a permanent connection, the connecting cable must be connected to a manual on/off switch that is installed near the unit in a clear visible way.

TEST RUN

Operate the Bakestar oven at a minimum temperature setting of 250°C, for 30 minutes. Within these 30 minutes the bakestar oven could release some unpleasant odors as a result of the first heating of some metal parts

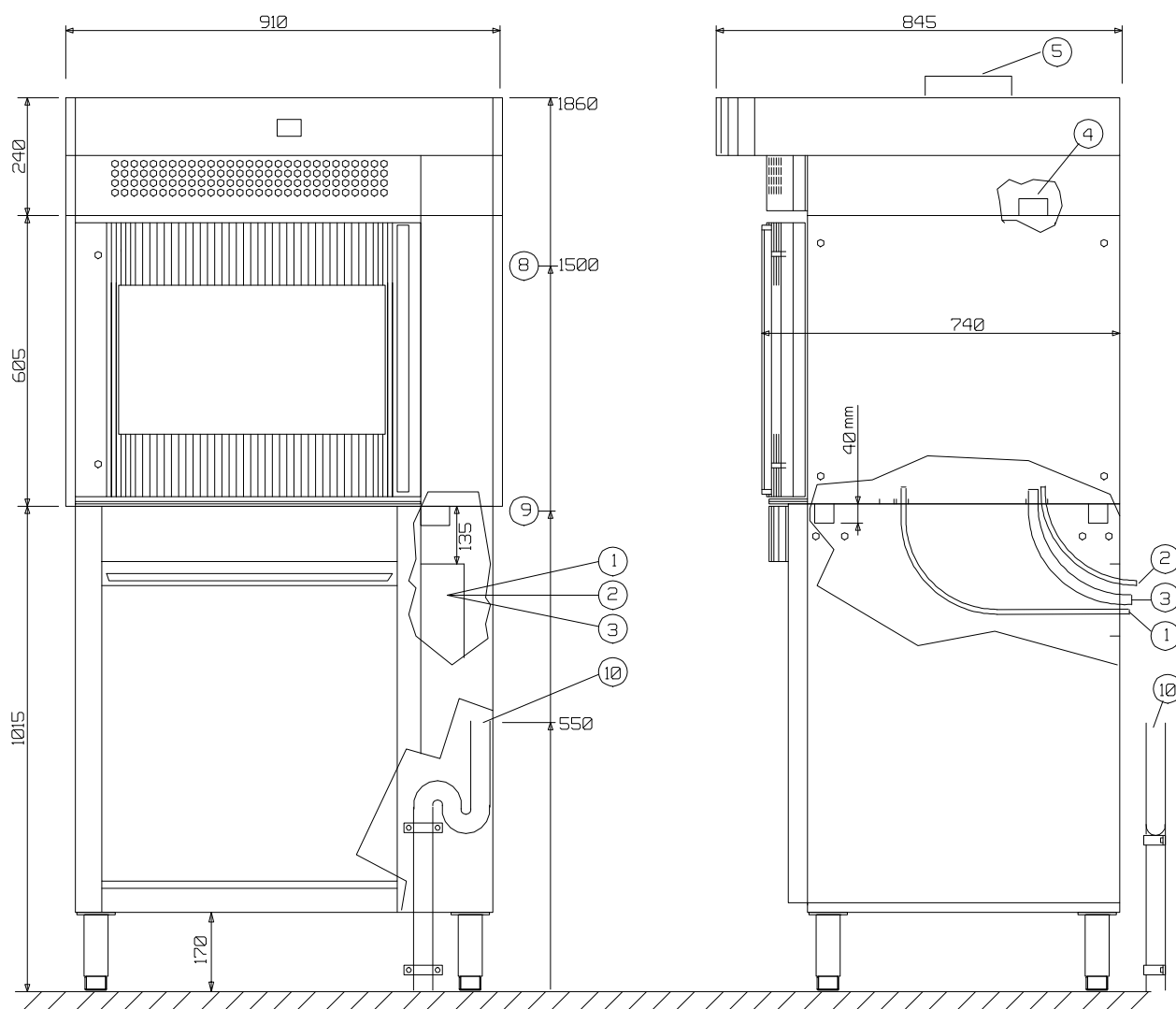
INSTRUCTIONS FOR OPERATORS

After installation of the oven, the operator of the unit has to be instructed. The instruction has to cover the following subjects:

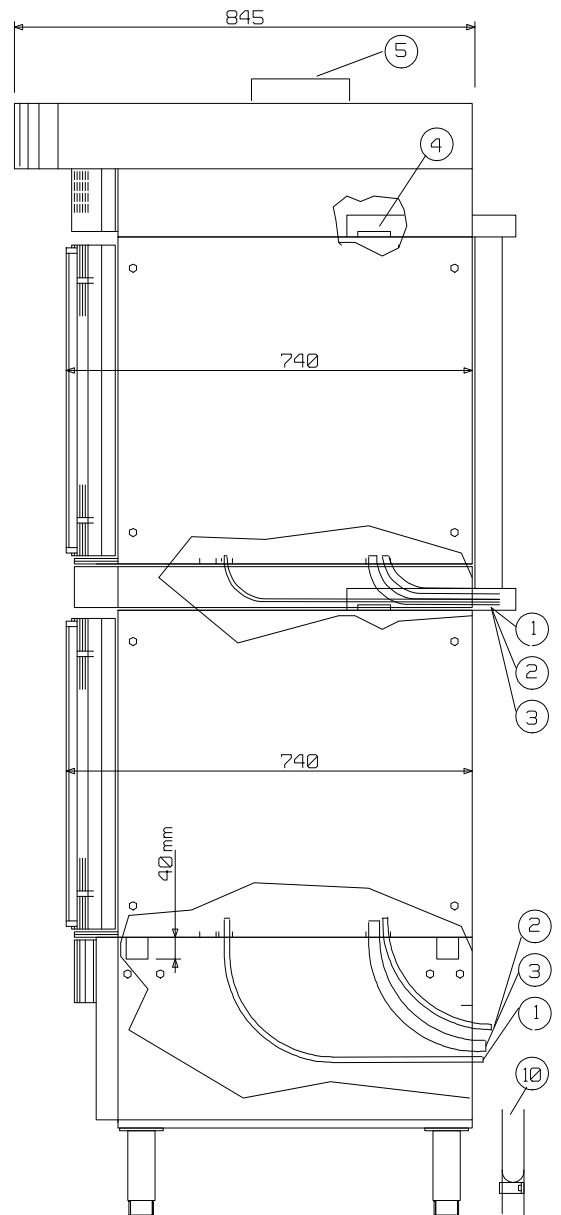
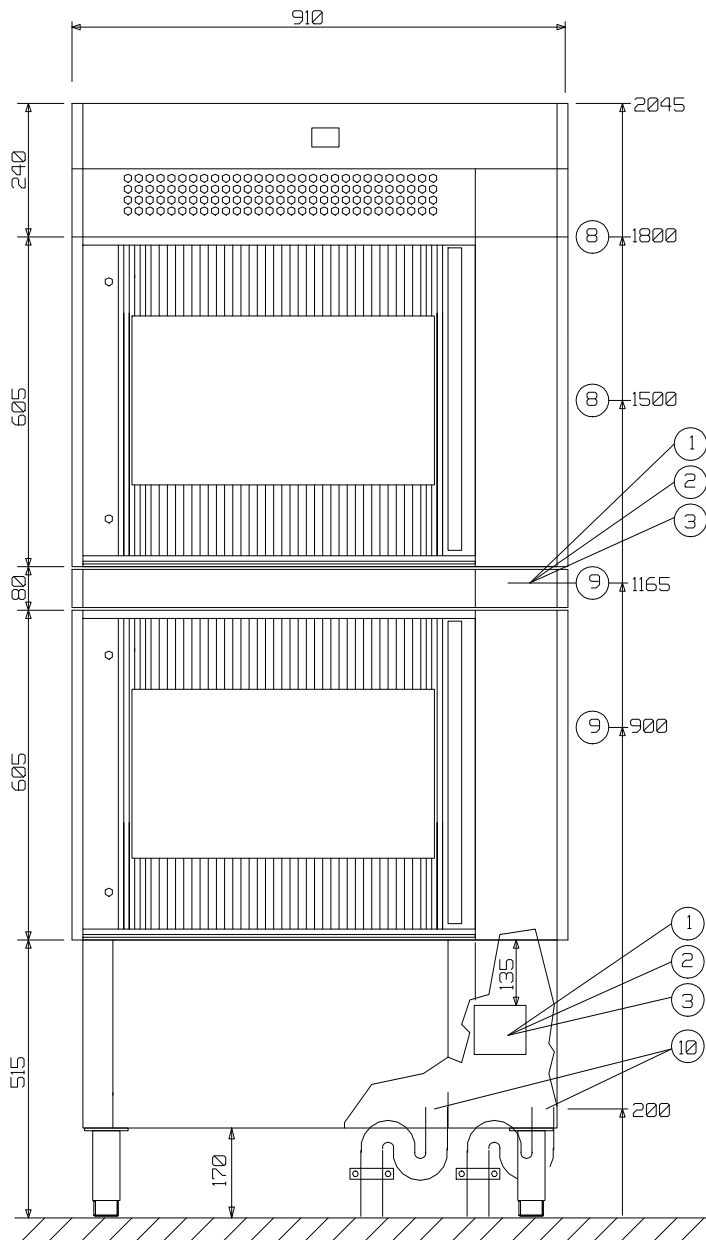
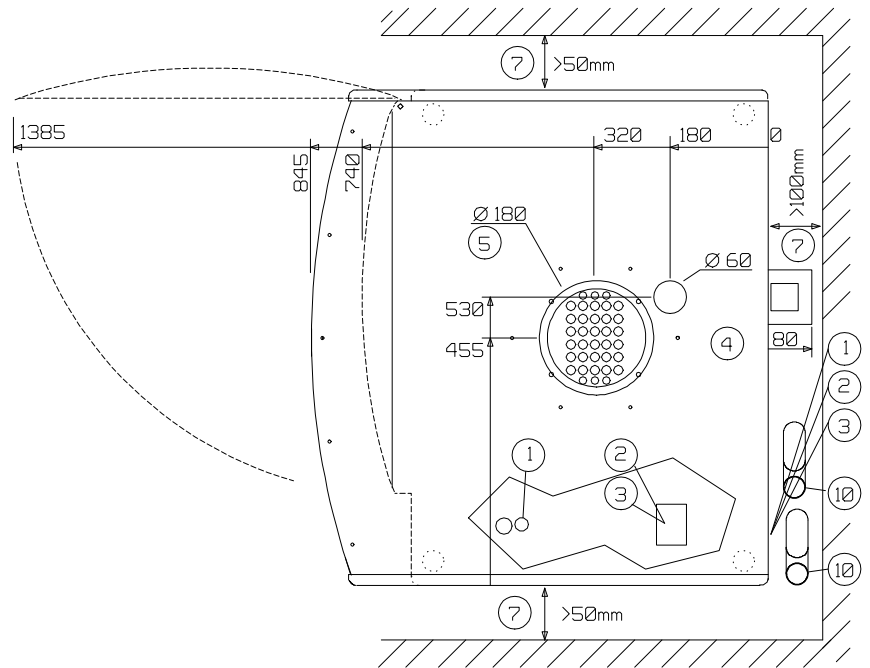
- Programming and options.
- Working of the unit.
- Free space of unit for servicing and for proper operation.
- Run through the user manual.
- Cleaning of the unit.
- How to react for obtaining information or making service calls.

Technical drawing of a fire-resistant safe showing internal components and dimensions. The drawing includes a top view and a side view. Key dimensions and components are labeled:

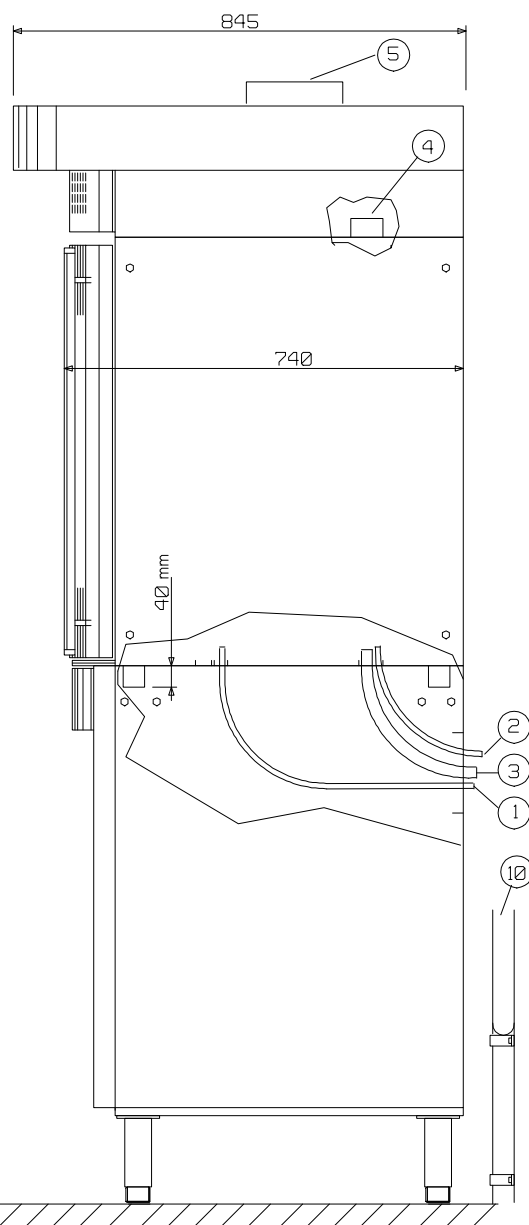
- Top View Dimensions:**
 - Overall width: 1385
 - Internal width (safe interior): 845
 - Internal height (safe interior): 740
 - Distance from top edge to internal top rail: 320
 - Distance from internal top rail to internal bottom rail: 180
 - Distance from internal bottom rail to bottom edge: 530
 - Distance from left edge to internal left rail: 455
- Internal Components:**
 - 1:** Internal door handle/lock mechanism.
 - 2:** Internal door frame/stop.
 - 3:** Internal door seal/gasket.
 - 4:** Internal door latch/locking mechanism.
 - 5:** Internal door hinge/locking mechanism.
- Other Dimensions:**
 - Distance from top edge to internal top rail: $>50\text{mm}$
 - Distance from internal bottom rail to bottom edge: $>50\text{mm}$
 - Distance from internal left rail to left edge: $>100\text{mm}$
 - Distance from internal right rail to right edge: $>100\text{mm}$
- Notes:**
 - Ø 180 (Diameter of internal door handle/lock mechanism)
 - Ø 60 (Diameter of internal door latch/locking mechanism)



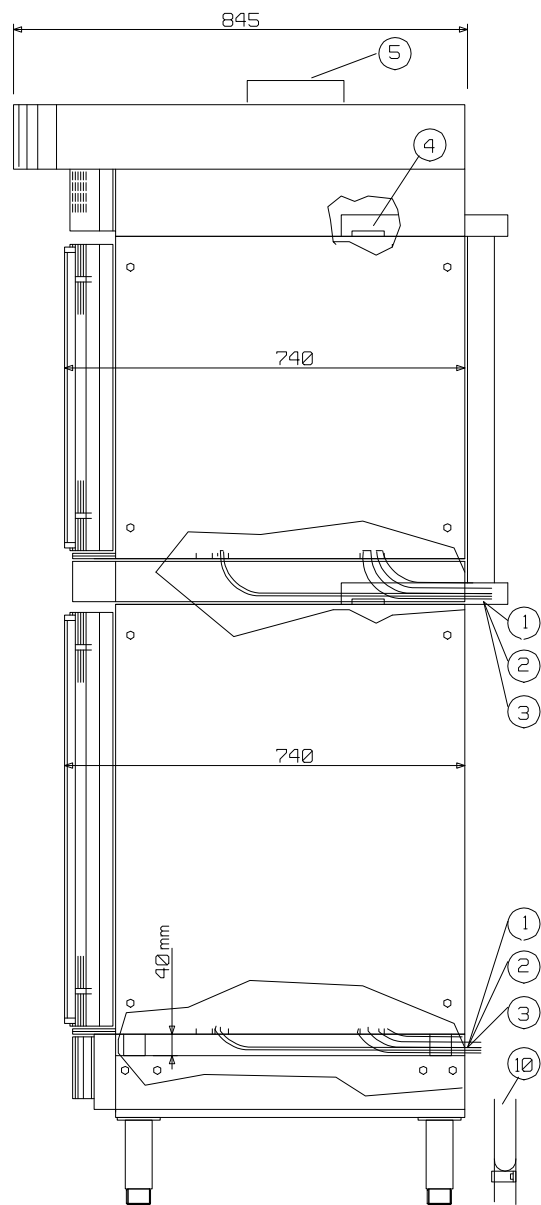
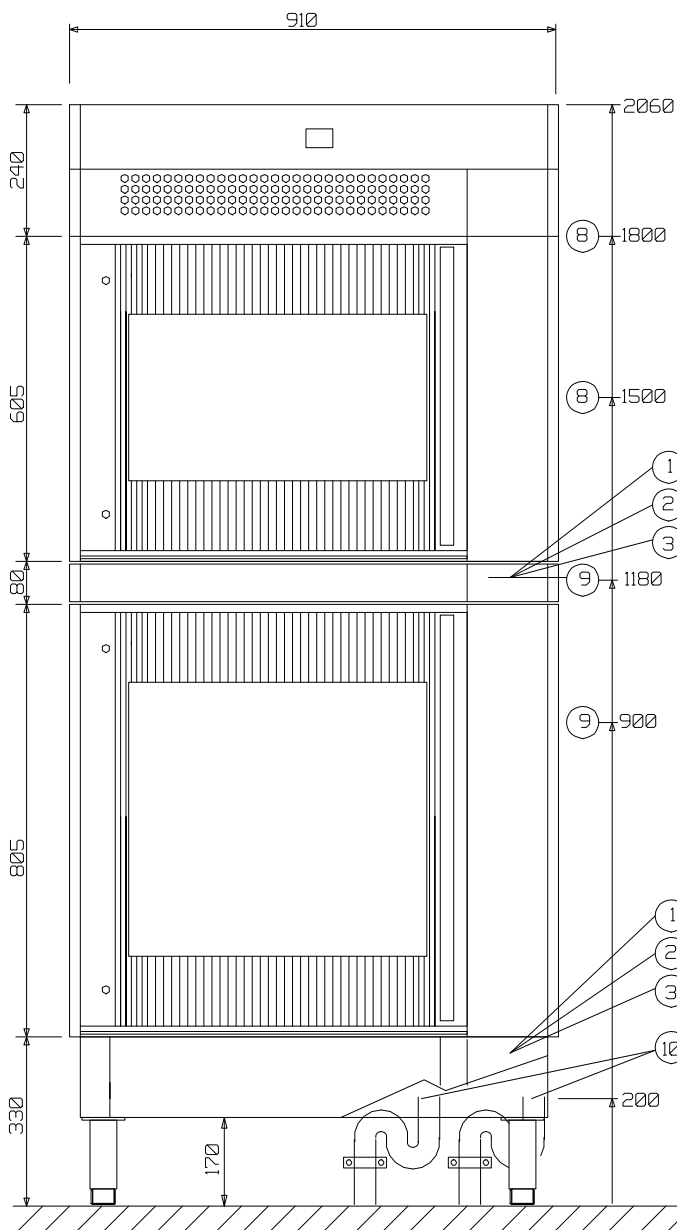
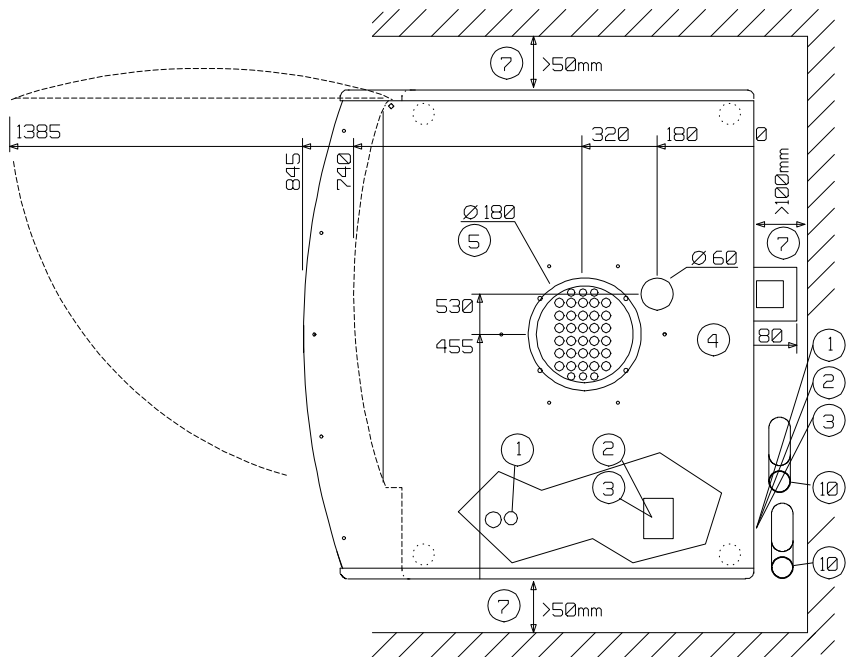
Page 6



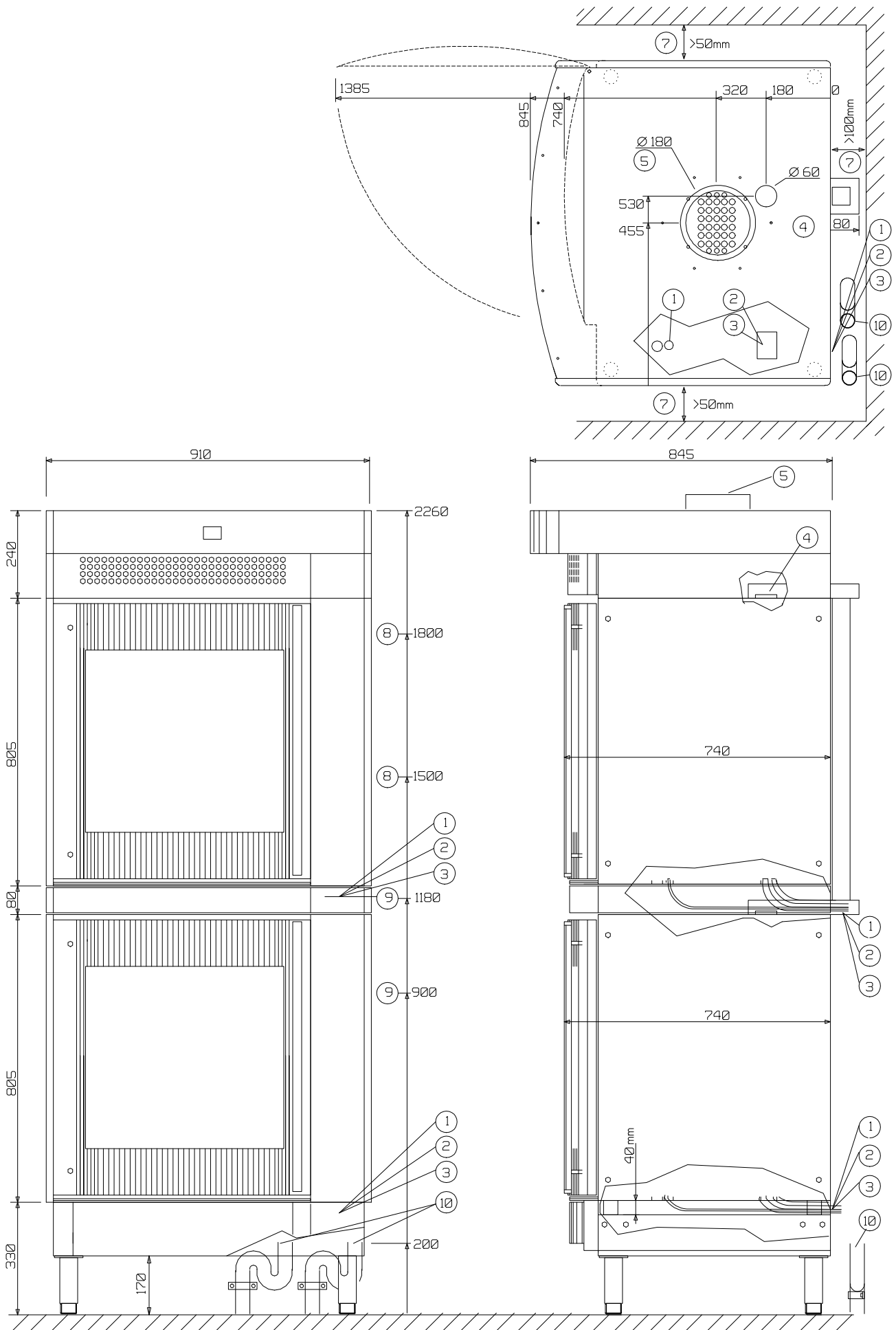
Bake Star 3i + 3i - installation drawing



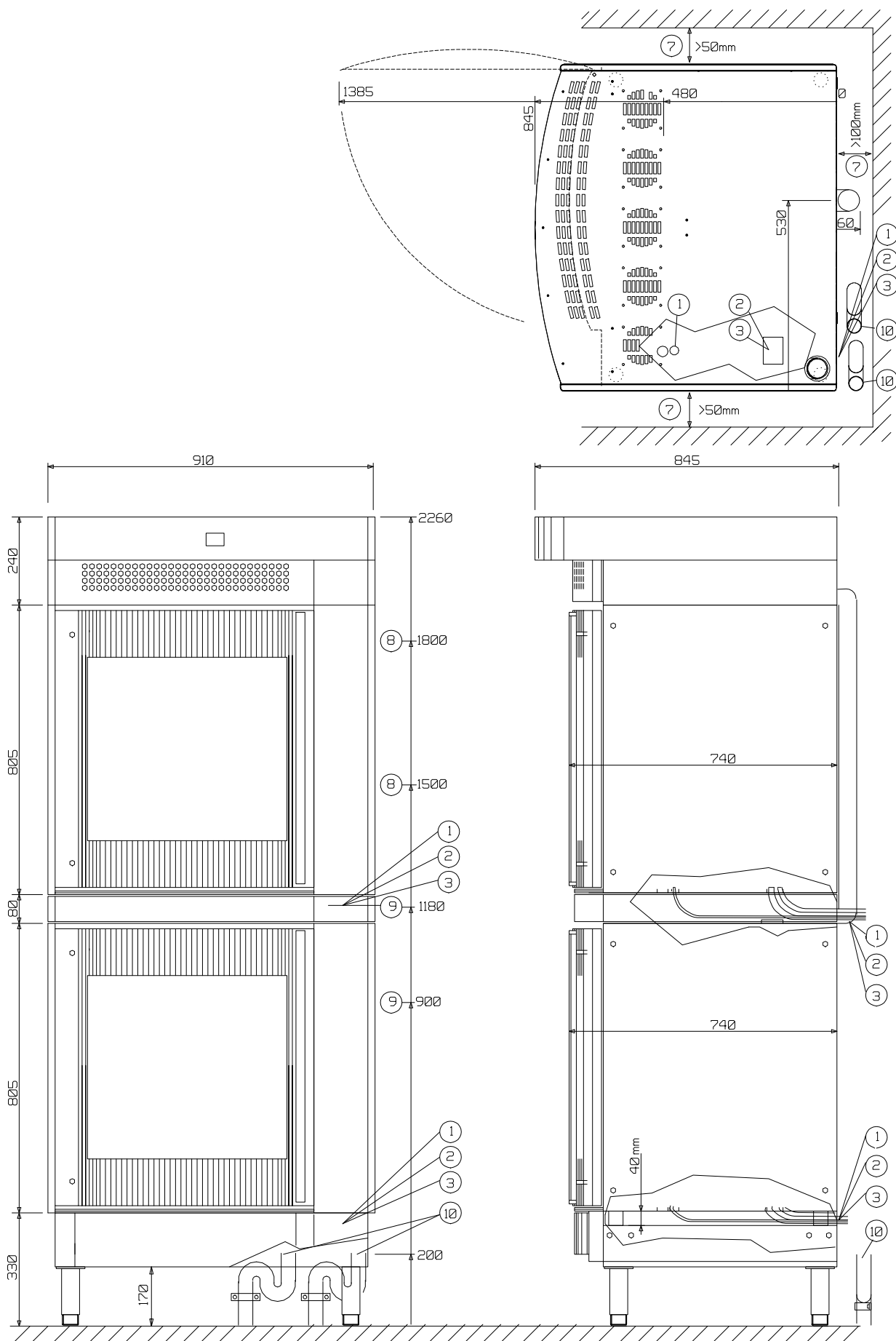
Installation Manual Bake Star 3-5-8-10 intelligent form 9123664 rev. 04/2008



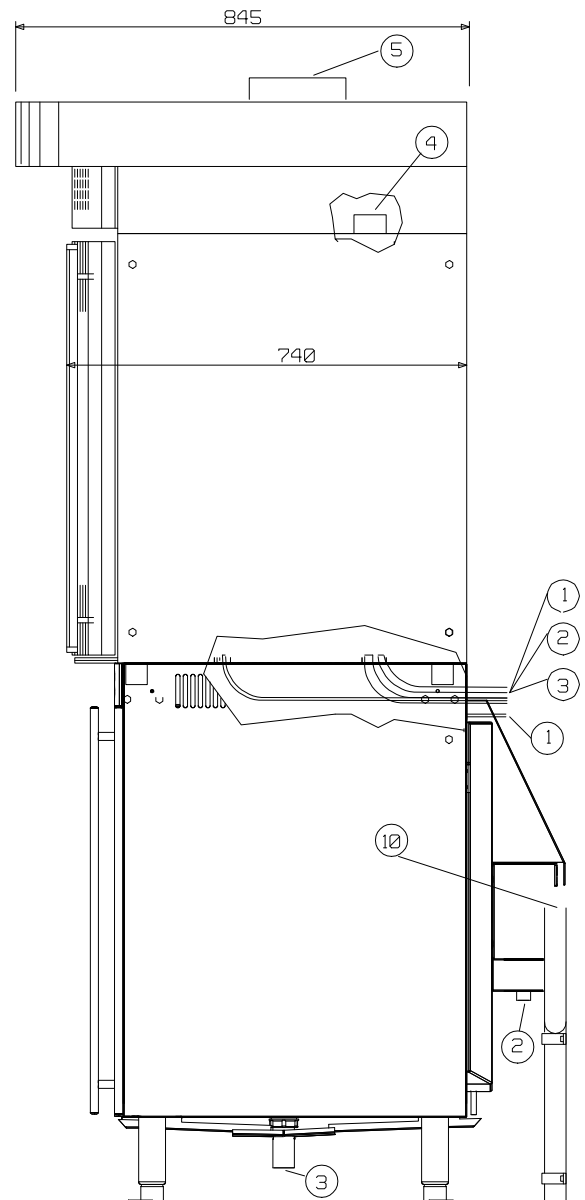
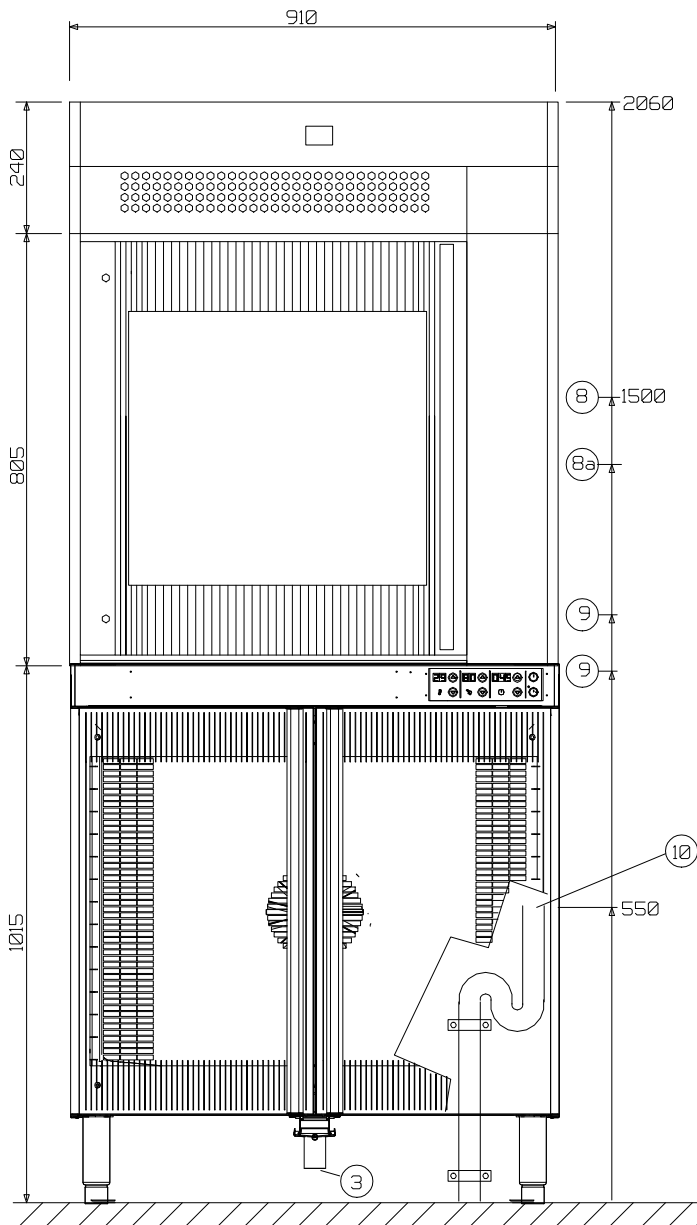
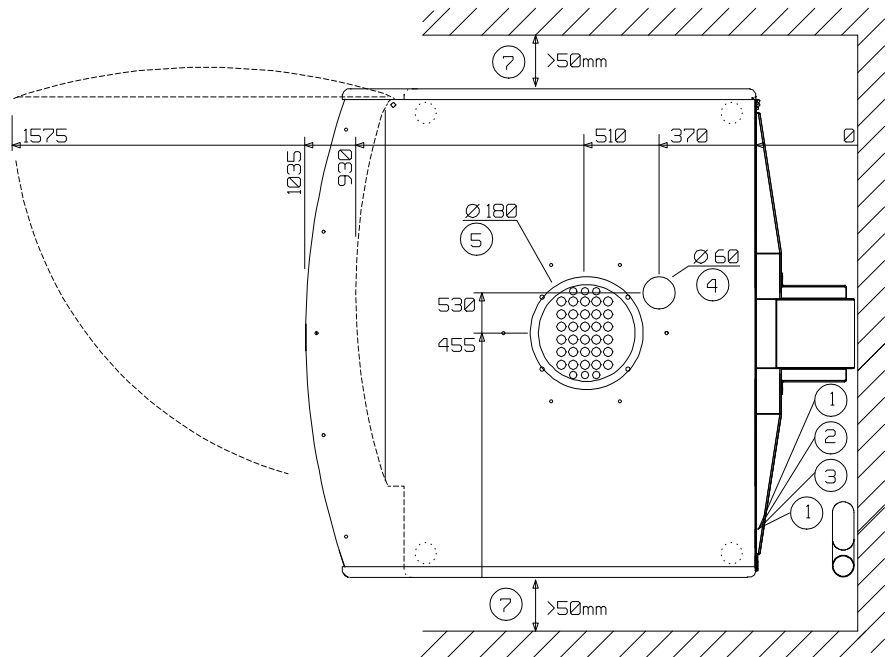
Bake Star 5i+3i - installation drawing



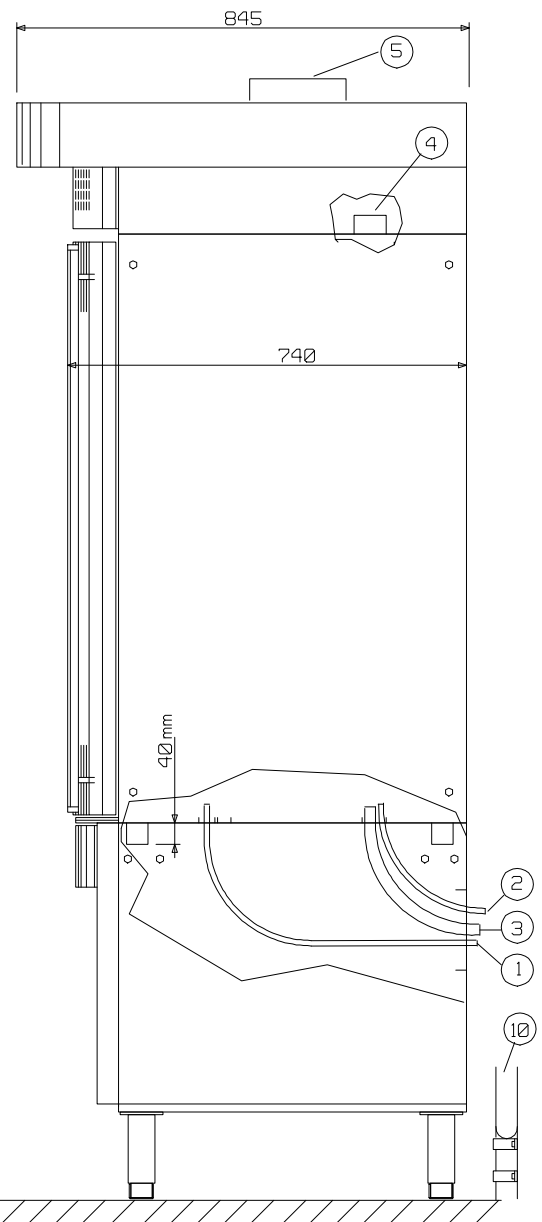
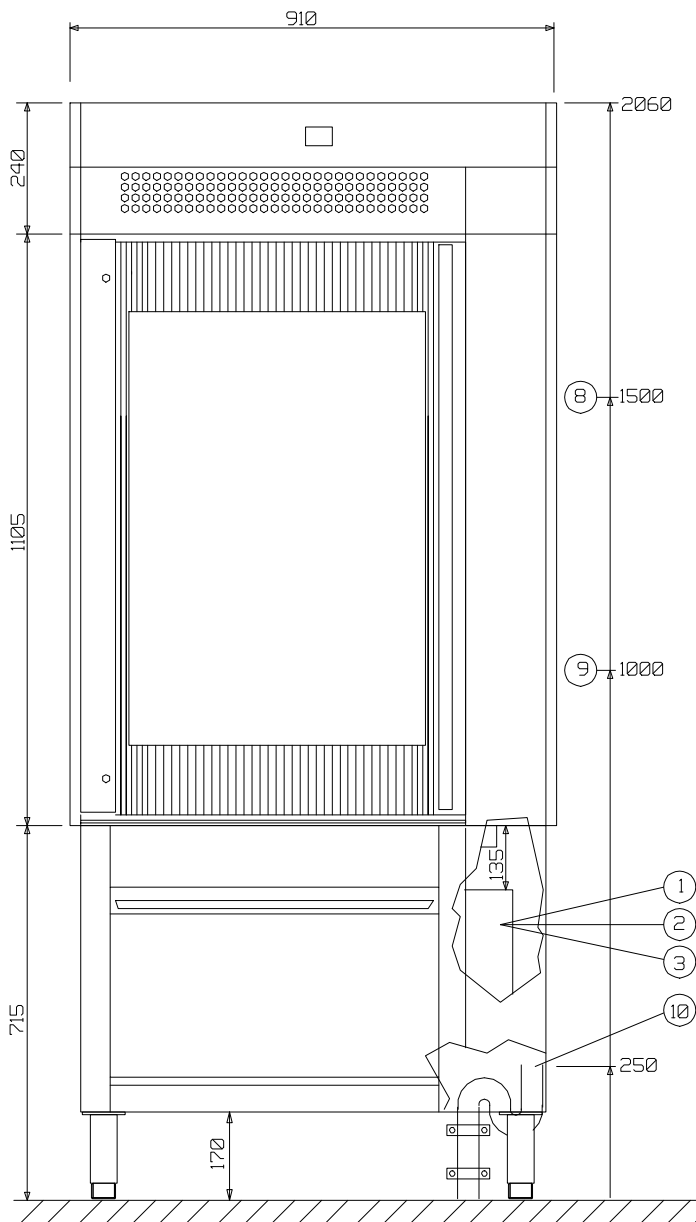
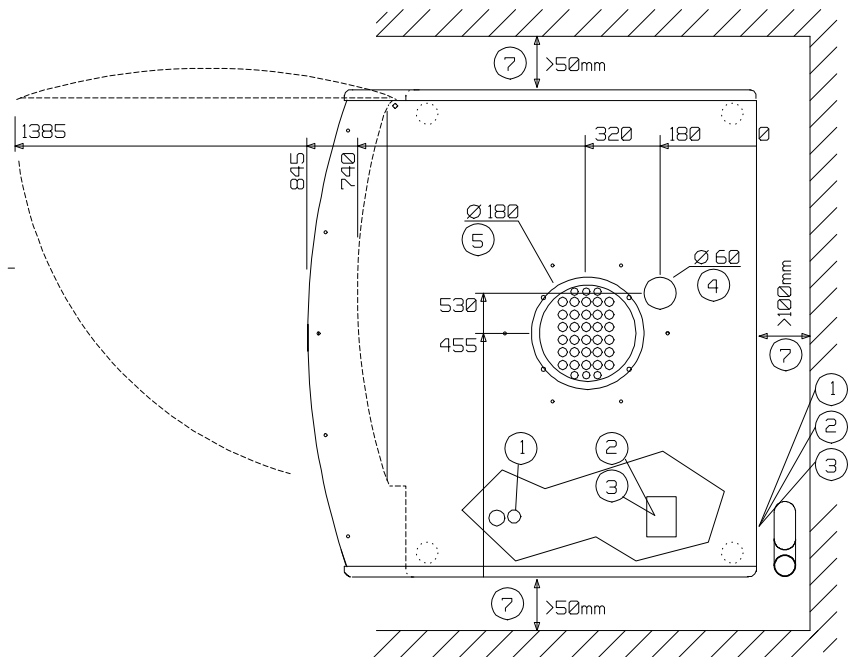
Bake Star 5i+5i - installation drawing

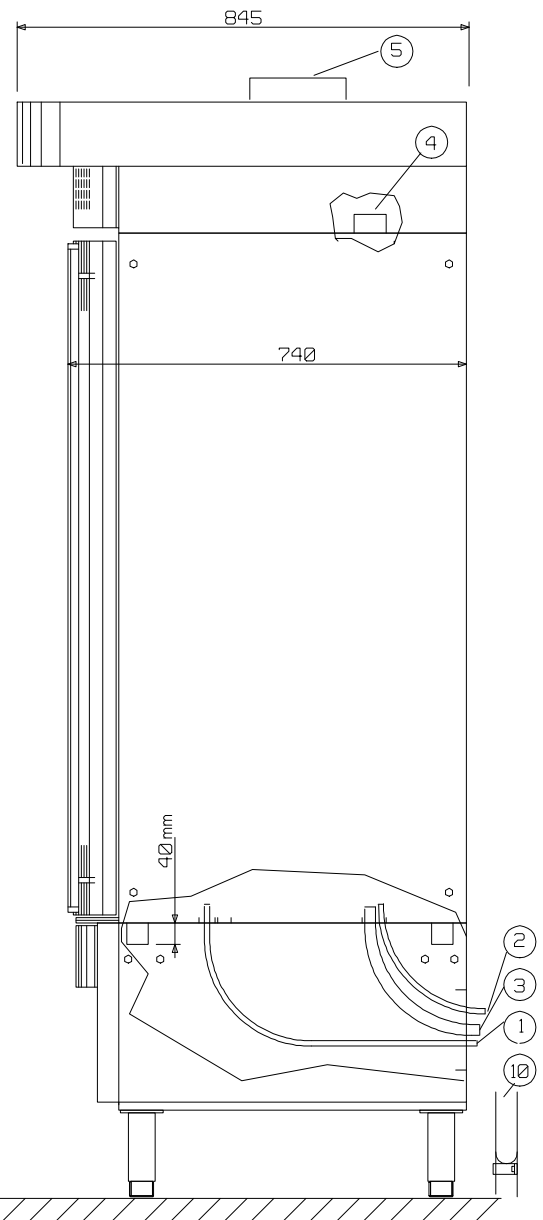
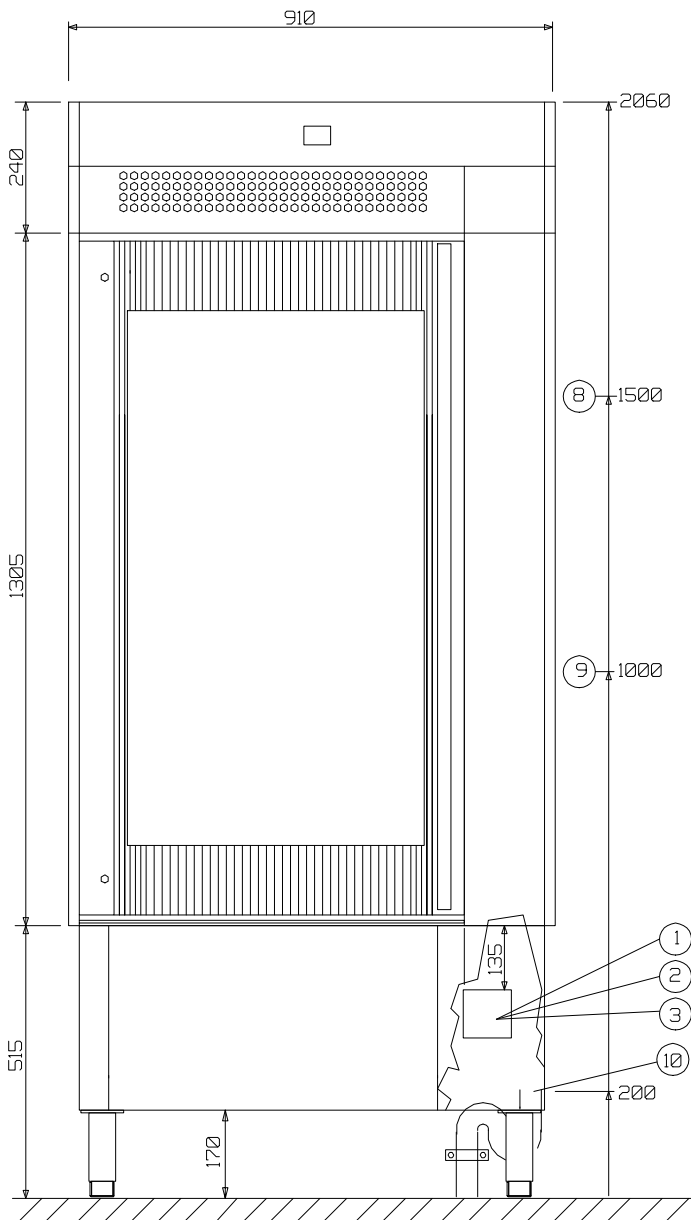
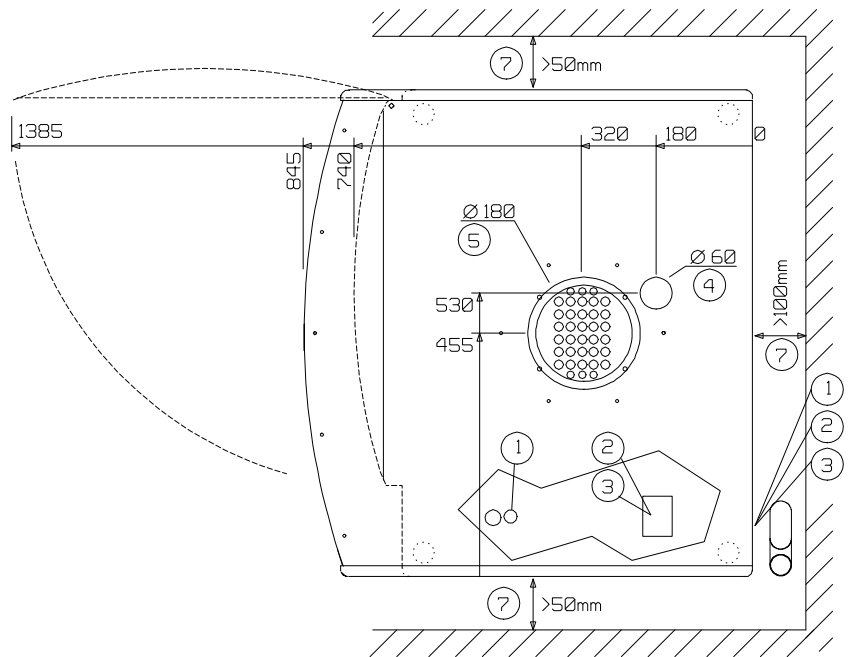


Bake Star 5i+5i with extractionhood/condenser - installation drawing



Bake Star 5i + Proofer - installation drawing





Bake Star 10i - installation drawing

EMPTY PAGE

