



effepizeta

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SOUNDPROOF CABINS
IH1 – IH3 – IH5

INSTRUCTIONS

GB

READ THESE INSTRUCTIONS CAREFULLY AND KEEP THEM AVAILABLE **SN 2588.0**

WARNING!



As is the case for all machinery and equipment with moving or live parts, these units may be the source of serious danger if not used and/or protected correctly.

The user is responsible for ensuring that:



All transportation, assembly, installation, connecting up, maintenance, and repair operations are carried out by qualified personnel, that is, personnel whose training, instruction, experience, knowledge of standards, regulations, accident prevention procedures, and operating and service conditions, makes them capable of carrying out all the works necessary, while being aware of and avoiding any possible danger and/or damage.

These persons are to know all the relevant instructions and information, including any local regulations, and that these are to be complied with when carrying out any operation.

Personnel that are not qualified are forbidden to carry out any operation, albeit indirect, on the machine and equipment.

During installation all the prescribed prevention measures are to be complied with, including any local and/or specific regulations, and the unit is not to be put into service until the machines that it incorporates have been declared to conform to the EC Machinery Directive.

1. WORKING CONDITIONS

These soundproof cabins are suitable for continuous service in a non-explosive atmosphere.

The ambient temperature limits are -15 to +40 °C.

For maximum pressure differentials, comply with the data sheet for the individual cabin.

OPERATION OF THE BLOWER. INSTALLED INSIDE THE SOUNDPROOF CABIN MUST BE STRICTLY AVOIDED UNDER THE FOLLOWING CONDITIONS:

- WHEN THE ELECTRIC FAN IS SWITCHED OFF
- WHEN THE AIR VENTILATION INTAKE AND OUTLET ARE OBSTRUCTED, EVEN PARTIALLY.

2. STORAGE – TRANSPORT

Store in a dry place, keeping the packing if possible. Do not put loads on top of the packing.

Handle with care, avoiding impacts, jolting, and shaking.

Movements (lifting, moving, transporting, and putting down) must be done using suitable equipment as far as possible. The work is to be organised in such a way that it poses the smallest risk possible and is done under safe, healthy, conditions. For example:

- Personnel involved that have specific skills and adequate training.
- Safe, stable support position.
- Use of suitable working clothes and personal protective equipment.
- Work area with sufficient space, even floors, no obstructions.

3. INSTALLATION / ASSEMBLY

3.1 INSTALLING THE BLOWER IN THE SOUNDPROOF CABIN

The soundproof cabin's blower must be installed with the axis in a horizontal position.

The soundproof cabin is supplied with a specific kit that is necessary for connecting the blower inside the soundproof cabin.

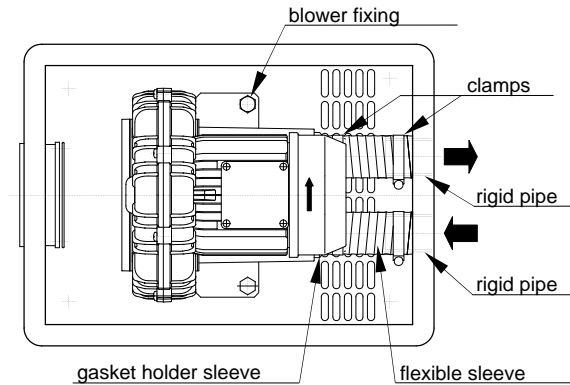
3.1.1 KIT CONTENTS

- N° 2 gasket support flanges, complete with O-ring seal.
- N° 2 flexible sleeves
- N° 4 clamps
- Screws for fixing the blower and the gasket support flanges.
- Spanner for the soundproof cabin cover.

3.1.2. FIXING AND CONNECTING THE BLOWER

Proceed as follows:

1. Remove the threaded flanges with the O-ring seals from the blower.
2. Replace the threaded flanges with the gasket support sleeves complete with O-ring seals, and fix using the screws for the threaded flanges.
3. Insert a flexible sleeve into each gasket support sleeve, and fix using a clamp.
4. Fit the second clamp on the flexible hose and leave it free.
5. Remove the soundproof cabin's cover using the spanner supplied.
6. Remove the screws from the bottom of the cabin that will be necessary for subsequently fixing the blower.
7. Take the blower into the soundproof cabin, being careful not to hit the flexible sleeves against the rigid pipes inside.
8. Insert the flexible sleeves over the rigid pipes in the soundproof cabin without fixing them.
9. Fix the blower to the bottom of the soundproof cabin using the screws removed previously (see photo 5).
10. Fix the flexible sleeves using the second clamp.



3.2 INSTALLING THE SOUNDPROOF CABIN

It is important that this installation be done:

- In a well-ventilated, covered area in which the ambient temperature does not exceed 40°C. If installed outdoors, protect against exposure to sunlight and rain.
- In such a way as to ensure a clear space around the soundproof cabin at least 15 cm wide, facilitating the flow of ventilation air to the inside.

Do not install the soundproof cabins on structures that can transmit or amplify noise (tanks, steel plating, etc.).

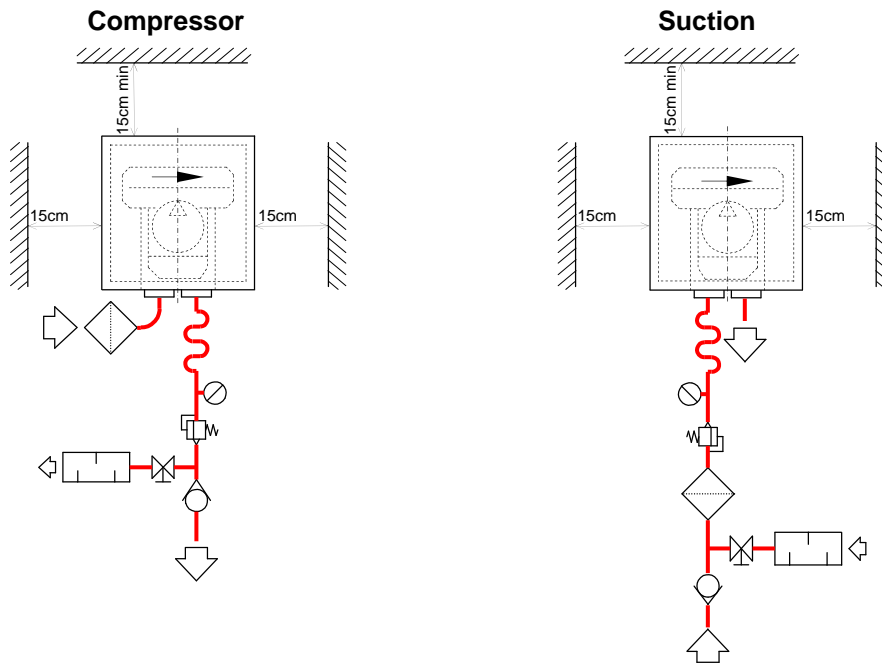
The soundproof cabin stands on n° 4 anti-vibration pads that stand on the floor. No fixing is provided for.








WARNING!

When connecting the soundproof cabin to external ducting, do so using a flexible sleeve connection. Avoid rigid connections that may impose loads and give rise to harmful vibrations.

For further connections, see the instruction leaflet for the blower.

3.2.1 INSTALLATION LAYOUTS



Item		Description	Item		Description
1		Filter – In line filter	5		Safety valve
(2)		Silencer	6		Non-return valve
3		Flexible sleeve	7		Valve
4		Pressure / Vacuum Gauge	(X) IF NECESSARY		

3.3 CONNECTING THE ELECTRIC MOTOR FOR THE BLOWER

Use the relevant intake in the soundproof cabin to allow the power supply cable to pass through.

For connection details and ammeter readings, see the instruction leaflet supplied with the blower.

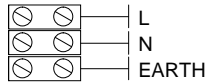
3.4 CONNECTING THE ELECTRIC FAN

WARNING!

BEFORE DOING ANYTHING ELSE, MAKE SURE THAT THE POWER SUPPLY IS NOT SWITCHED ON.

The electric fan is a single-phase, 230 V unit that can work at both 50 Hz and 60 Hz.

The electric fan fitted in the soundproof cabin has a large terminal for the (230 V) power supply connection, which must be formed as illustrated below.



Use the relevant intake in the soundproof cabin to allow the power supply cable to pass through.

IMPORTANT!

The blower must not be used in the soundproof cabin if the electric fan is switched off.

4. REMOVING THE BLOWER FROM THE SOUNDPROOF CABIN

If it should be necessary to remove the blower from the soundproof cabin, follow the instructions given in point 3.1.2 "FIXING AND CONNECTING THE BLOWER" in reverse order.

Whenever the blower is removed from the soundproof cabin, check the condition of the flexible sleeves.

5. SAFETY CHECKS

Before starting the blower inside the soundproof cabin:

- Switch on the electric fan and check that it is running.
- Check that the blower is properly fixed to the bottom of the cabin.
- Check that the installation kit for the blower is properly fixed to the soundproof cabin.
- Check that there are no blockages on the blower's intake or outlet.

6. STARTING UP AND SETTING

Comply with the indications given in the blower's instruction leaflet.

7. MAINTENANCE

All maintenance, installation and handling tasks on the soundproof cabin must be done with the blower switched off and the power supply disconnected.

From time to time check the fixing of the blower to the cabin and the ducting connections.

For maintenance of the blower, see the instruction leaflet supplied with this unit.

All undertakings, agreements, or legal relations are governed by the relevant sales contract. These are in no way limited by the contents of this manual. The quality of the materials and workmanship is guaranteed, as indicated in the general sales conditions. This guarantee shall become null and void due in relation to: damage suffered in transit, poor preservation, problems related to incorrect assembly, unskilled use, exceeding the performance limits, or excessive mechanical and/or electrical loading.

Keep the packing for possible future use.