

TA 1000-0043

Technical Instruction



Transport, installation and general conditions of Jenbacher control cabinets



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1 Scope

This Technical Instruction (TA) applies to the following Jenbacher control cabinets.

2 Purpose

This Technical Instruction (TA) describes the transport and movement of Jenbacher control cabinets.

3 Safety information

WARNING



Personal injury

Failure to use personal protective equipment and comply with safety instructions or employee protection information may lead to personal injury.

- Wear the relevant personal protective equipment (PPE).
- Observe the safety instructions as per TA 2300-0005.
- Observe the employee protection information as per TA 2300-0001.

4 Additional information



Relevant documents:

TA 1100-0110 – Boundary conditions for Jenbacher gas engines

TA 2300-0001 – Employee protection

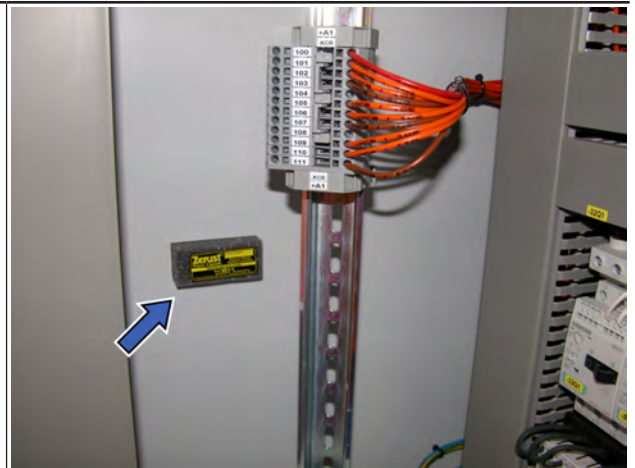
TA 2300-0005 – Safety instruction

5 Corrosion protection and packaging products

Material / Products	Note
Adhesive tape (incl. dispenser)	
Anti-corrosive sponge part no.: 285878)	
Non-woven film part no.: 337858)	Packaging foam, 3 mm
Foil	

6 transport

Two anti-corrosive sponges are attached to the inside of each control cabinet.





Electrical control cabinets are transported upright and film-wrapped:

On disposable pallets:

The cabinet is screwed down to the base of the cabinet or, if the base is missing, inside the cabinet with 4 screws to the pallet.



Control cabinet with base



Control cabinet without base

- Transport within Europe:



- Transport overseas:
the cabinet is additionally wrapped in non-woven film.

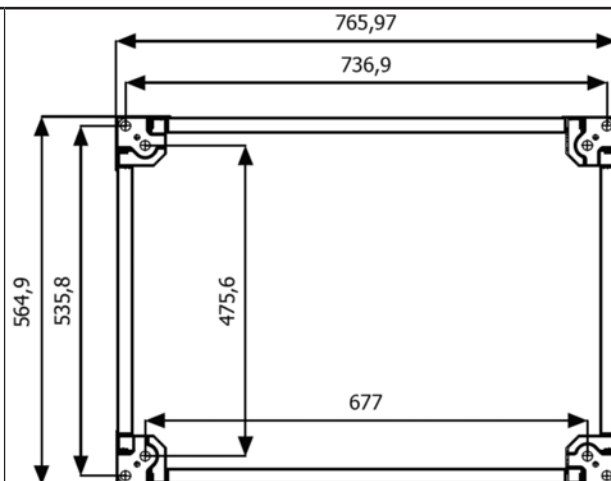


In a container:
The control cabinet is secured without pallets.

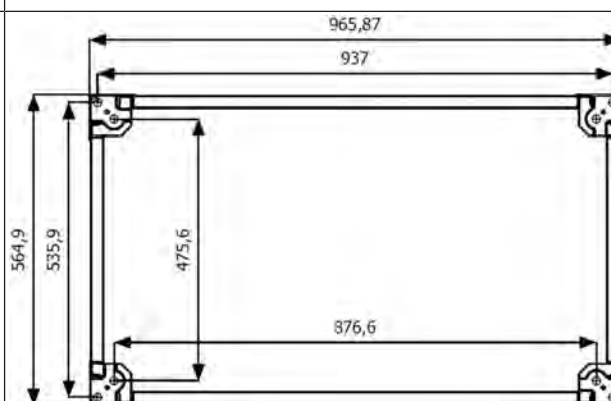


6.1 Dimensions of the base

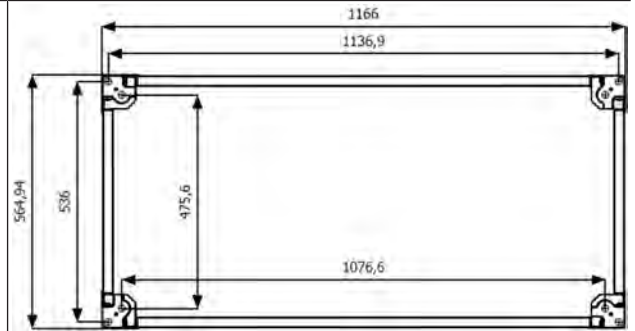
Cabinet width 800 mm



Cabinet width 1000 mm



Cabinet width 1200 mm



6.2 Control cabinet batteries during transport

To prevent the batteries from discharging completely, control cabinets with batteries (+M, +UPS) should not spend longer than 6 months in transport or storage.

Batteries cannot be charged while control cabinets are packed and switched off.

7 Installation of the control cabinets

Always use the lifting lugs mounted on top of the control cabinet (see the Figure) when setting up or transporting it. Make sure that you always use the four lifting lugs when using a crane to transport the cabinet.

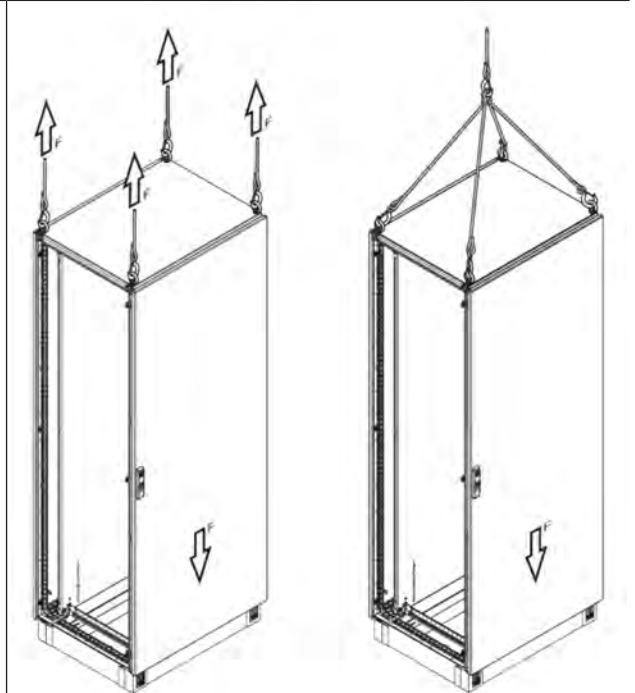


The following permissible total loads apply:

$F \triangleq$ at 90° cable pull angle 13,600 N

$F \triangleq$ at 60° cable pull angle 6400 N

$F \triangleq$ at 45° cable pull angle 4800 N



(Source: Rittal - Cabinet System VX25 Technical Documentation Load Capacity)

Alternatively, once set up, the switchgear cabinet can be moved on a transport pallet by means of a suitable fork-lift device.

The danger of slipping and tipping must be prevented by securing the cabinet with retaining straps.



8 Identification of the control cabinets and their components

Identification of the control cabinets:

The letters are visible on the switchgear cabinet and correspond to the respective circuit diagrams.

+A	Module control cabinet
+M	Module interface cabinet
+V	Prelubrication pump box
+EM	Extended module interface
+MIB	Module interface box
+AUX	Auxiliaries cabinet
+ST	Master SY cabinet
+MC	Module Control



Identification of components:

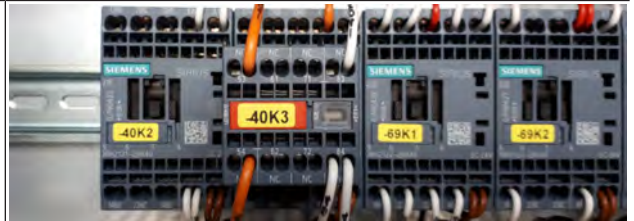
Components in the control cabinet are described as follows:

[Page number in wiring diagram] [component code letter] [component number]

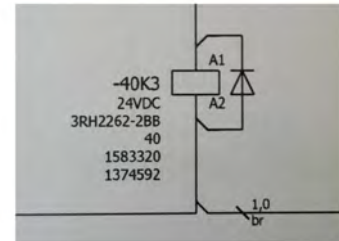
For example: Component -40K3, in the wiring diagram on page 40, relay number 3.

Full marking:

[J number] + [switchgear cabinet] - [component]



Component in the control cabinet



Component in the circuit diagram

9 General conditions

Cable entry, strain relief, shielding

The cable entry is described in **TA 1100-0110**. Furthermore, there are feedthroughs for cables and a preassembled shield rail in the control cabinet.



TA 1100-0110 – Boundary conditions for Jenbacher gas engines

Sealing / cover

After completing the work, all covers should be reinstalled. Control cabinets should not be accessible to small animals.

Escape routes

The control cabinet should be installed so that an escape route is guaranteed. If the door is open, there should be a way out as an escape route. Otherwise, a cabinet with 180° hinges is needed. Country-specific regulations must be observed here.

10 Revision code

Revision history

Index	Date	Description / Revision summary	Expert Auditor
5	31.10.2019	Grundlegende Überarbeitung / Fundamental revision	Sanner C. Fahringer A.
4	08.04.2019	GE durch INNIO ersetzt / GE replaced by INNIO	Opoku Pichler R.
3	31.08.2015	Abschnitt 6 hinzugefügt / Section 6 added	Gföller H. Fahringer A.
2	16.12.2013	Grundlegende Überarbeitung / Fundamental revision	Kecht Krainz

Revision history

1	26.05.2010	Umstellung auf CMS / Change to C ontent M anagement S ystem ersetzt / replaced Indec: c	Schartner <i>Giese</i>
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