



MR Controller system Rope-frequency



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Cabinet KW 04M for internal inverters

Powder coated control cabinet **KW04M: 1200 x 560 x 300mm (H x W x D).**

The control cabinet door has an exchangeable door hinge (also possible on site) and integrated air filter box with thermostat-controlled fan. All control panels can be operated from the outside and inside. The powder-coated control panel is laser-inscribed and can be swiveled.

Power section with frequency converter is located at the top of the control cabinet. Inverters with a rated current of up to 52A can be integrated in this control cabinet without protection. The shielded motor and brake chopper cables are already connected (EMC class B (N)).

The information part is located in the middle part of the control cabinet. The DAVID- 613 central computer communicates serially RS-485 with the car and the shaft floor computers.

All shaft pit stations and terminal boxes, as well as the shaft bus, exterior and interior control panels are pluggable. The lower connection compartment has a height of 200mm and is provided with punched holes for cable ties and/or hose clamps.

A control cabinet base is optionally available.

Cabinet KW 04M for external inverters

Powder coated control cabinet **KW04M: 1200 x 560 x 300mm (H x W x D).**

The control cabinet door has an exchangeable door hinge (also possible on site) and integrated air filter box. All control panels can be operated from the outside and inside. The powder-coated control panel is laser-inscribed and can be swiveled.

The information part is located in the middle part of the control cabinet. The DAVID- 613 central computer communicates serially RS-485 with the car and the shaft floor computers.

In the lower part of the cabinet there is an interface X12 for connecting the external inverter.

All shaft pit stations and terminal boxes, as well as the shaft bus, exterior and interior control panels are pluggable. The lower connection compartment has a height of 200mm and is provided with punched holes for cable ties or/and hose clamps.

A control cabinet base is optionally available.

MR Controller Hydraulic-Softstart



Cabinet KW 04M with softstart unit SAG90

Powder coated control cabinet **KW04M: 1200 x 560 x 300mm (H x W x D).**

The control cabinet door has an exchangeable door hinge (also possible on site) and integrated air filter box. All control panels can be operated from the outside and inside. The powder-coated control panel is laser-inscribed and can be swiveled.

Power section with soft starter SAG 90 arranged at the top of the control cabinet up to a rated current of 63A. Higher power ratings are realized with the KW06 control cabinet. The motor and valve cables are already connected (EMC classB(N)).

The information part is located in the lower part of the control cabinet. The DAVID- 613 central computer communicates serially RS-485 with the car and the shaft floor computers.

All shaft pit stations and terminal boxes, as well as the shaft bus, exterior and interior control panels are pluggable. The lower connection compartment has a height of 200mm and is provided with punched holes for cable ties and/or hose clamps.

A control cabinet base is optionally available.

MR Controller Rope-frequency & Hydraulic -



Cabinet KW 05 for internal inverters

Powder coated control cabinet **KW05: 1200 x 800 x 370mm (H x B x T).**

The control cabinet door has an exchangeable door hinge (also possible on site) and integrated air filter box. All control panels can be operated from the outside and inside. The powder-coated control panel is laser-inscribed and can be swiveled.

Power section with soft starter SAG 90 arranged at the top of the control cabinet up to a rated current of 142A. Higher power ratings are realized with the KW06 control cabinet. The motor and valve cables are already connected (EMC classB(N)).

The information part is located in the lower part of the control cabinet. The DAVID- 613 central computer communicates serially RS-485 with the car and the shaft floor computers.

All shaft pit stations and terminal boxes, as well as the shaft bus, exterior and interior control panels are pluggable. The lower connection compartment has a height of 200mm and is provided with punched holes for cable ties and/or hose clamps.

A control cabinet base is optionally available.

MR(L) Controller Hydraulic Softstart



Cabinet KW 01Y with softstart unit SAG90

Powder coated control cabinet **KW01Y: 754 x 754 x 250mm (H x W x D),**

Control cabinet mounting plate is decoupled from the body. The control cabinet door has an exchangeable door hinge (also possible on site) and integrated air filter box. All control panels can be operated from the outside and inside. The powder-coated control panel is laser-inscribed and can be swiveled.

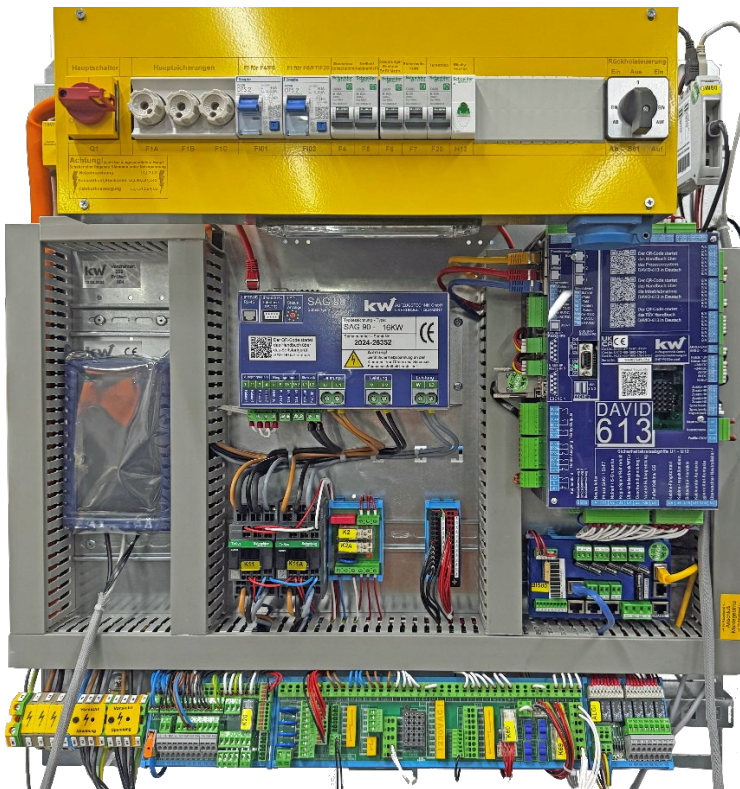
Power unit with SAG 90 soft starter arranged on the left in the control cabinet up to a rated current of 160A. The motor and valve cables are already connected (EMC class B (N)).

The information part is located in the right part of the control cabinet. The DAVID- 613 central computer communicates serially RS-485 with the car and the shaft floor computers.

All shaft pit stations and terminal boxes, as well as the shaft bus, external and internal control panels are pluggable.

A hanging base is available as an option.

MR(L) Controller Hydraulic Softstart



Mounting Plate KW01Y for Machine Cabinets

Galvanized mounting plate **KW01Y: 750 x 750 x 42mm (H x W x D)** for **ALGI-BUCHER-GMV/ Oildynamic machine cabinets.**

Control cabinet mounting plate is decoupled from the body. The control cabinet door has an exchangeable door hinge (also possible on site) and integrated air filter box. All control panels can be operated from the outside and inside. The powder-coated control panel is laser-inscribed and can be swiveled.

Power unit with SAG 90 soft starter arranged on the left in the control cabinet up to a rated current of 160A. The motor and valve cables are already connected (EMC class B (N)).

The information part is located in the right part of the control cabinet. The DAVID- 613 central computer communicates serially RS-485 with the car and the shaft floor computers.

All shaft pit stations and terminal boxes, as well as the shaft bus, external and internal control panels are pluggable.

MR Controller Rope



Cabinet KW 06 for internal inverters

Powder coated control cabinet **KW06: 1200 x 1000 x 350mm (H x W x D)** in IP54.

Control cabinet mounting plate is decoupled from the body. Control cabinet with integrated air filter box.

A control cabinet air conditioning unit can be mounted on the left as an option. All operating devices can be operated from the outside in the hump, or in the internal control panel, or in the external subdistribution. All inscriptions are laser engraved. Power section with frequency converter arranged on the left in the control cabinet. Inverter up to 152A rated current integrated in the control cabinet. The shielded motor and brake chopper cables are already connected (EMC class B (N)).

The information part is located in the right part of the control cabinet. The DAVID-613 central computer communicates serially RS-485 with the car and the shaft floor computers.

All shaft pit stations and terminal boxes, as well as the shaft bus, external and internal control panels are pluggable. The lower connection compartment has a height of 250mm.

A switch tank base in the height of 500mm is supplied as standard.

MR Controller Hydraulic



Cabinet KW 06 with softstart unit SAG90

Powder coated control cabinet **KW06: 1200 x 1000 x 350mm (H x W x D)** in IP54.

Control cabinet mounting plate is decoupled from the body. Control cabinet with integrated air filter box. A control cabinet air conditioning unit can be mounted on the left as an option. All control units can be operated from the outside in the hump, or in the internal control panel, or in the external subdistribution.

All inscriptions are laser engraved.

Power section with SAG 90 soft starter arranged on the left in the control cabinet up to a rated current of 160A. The motor and valve cables are already connected (EMC class B (N)).

The information part is located in the right part of the control cabinet. The DAVID-613 central computer communicates serially RS-485 with the car and the shaft floor computers.

All the shaft pit stations and terminal boxes, as well as the shaft bus, external and internal control panels are pluggable. The lower terminal compartment has a height of 250mm.

A switch tank base in the height of 500mm is supplied as standard.



MRL Controller Frequency controlled Rope- / Hydraulic Cabinet KW 03Z



Powder coated control cabinet **KW03: 1900 x 450 x 260mm** (H x W x D) with integrated power section for machine room-less elevator systems.

Control cabinet mounting plate with vibration damping. Control cabinet door with door stop that can be changed on site and integrated air filter box with filter wadding. All operating devices as well as the AW terminal in the yellow warning casing.

Power section with frequency converter located at the top of the control cabinet. Inverter up to 52A rated current integrated in the control cabinet.

For rated currents between 62A and 152A, external frequency converters are used. The shielded motor and brake chopper cables are already connected (EMCclassB(N)).

The information section is located in the lower part of the control cabinet. The DAVID-613 central computer communicates with the car and the shaft floor computers via a serial multiprotocol bus system.

All shaft pit stations and terminal boxes, as well as the shaft bus, external and internal control panels are pluggable. The lower terminal compartment has a height of 200mm and is provided with punched holes for hose clamps.

The control cabinet base has a height of 150mm.

MRL Controller Frequency controlled Rope- / Hydraulic Cabinet KW 240



Powder-coated control cabinet **KW240: 2000 x 240 x 170mm** (H x W x D) for machine room-less elevator systems (MRL) for installation in the door frame, or next to the landing door.

The width of the mounting plate is 235mm and allows the replacement or redesign of KONE MONOSPACE or ThyssenKrupp MRLs.

The control cabinet contains all control components, including the 800VA uninterruptible power supply (UPS).

All operating devices, as well as the elevator release terminal are realized in the yellow warning casing design. All inscriptions are realized as laser engraving.

At the very bottom of the mounting plate is the cable free space with a cable catch plate for strain relief of the incoming cables.

The cable entry can be made from the control cabinet floor or from the lower cabinet rear wall. The cable outlet to the external frequency converter is located in the upper part of the control cabinet.

The door hinge of the control cabinet door can be changed on site. The information section is located in the central part of the control cabinet. The DAVID-613 central computer communicates with the car and the shaft floor computers via a serial multiprotocol bus system.

All shaft pit stations and terminal boxes, as well as the shaft bus, external and internal control panels are pluggable.



MRL Controller Frequency controlled Rope - Shaft Cabinet KW 265 kit LEA



Powder coated **KW265 control cabinet: 2000 x 265 x 170mm** (H x W x D) for machine room-less elevators (MRL) to be mounted next to the landing door / floor.

All operating devices as well as the elevator release terminal are realized in the yellow warning casing design. All inscriptions are laser engraved. At the very bottom of the mounting plate is the cable free space with a cable catch plate for strain relief of the incoming cables. The cable entry can be made from the control cabinet floor or from the lower cabinet rear wall. The cable outlet to the external frequency converter is located in the upper part of the control cabinet.

The door hinge of the control cabinet door can be changed on site. The information section is located in the central part of the control cabinet. The DAVID-613 central computer communicates with the car and the shaft floor computers via a serial multiprotocol bus system.

All shaft pit stations and terminal boxes, as well as the shaft bus, external and internal control panels are pluggable.

MRL Controller Rope / Hydraulic Cabinet KW 420 German Railroad DB



Powder coated control cabinet **KW420: 2000 x 420 x 250mm** (H x W x D) in IP54.

For machine room-less elevator systems (MRL) for mounting in the shaft frame – outside area next to the shaft door.

Control cabinet mounting plate is decoupled from the carcass. Switch cabinet with integrated air filter box at the back to the shaft.

The control cabinet has a four claw locking system and contains all control components, including the 850VA Uninterruptible Power Supply (UPS).

A shaft cabinet heater can be integrated as an option.

All operating devices as well as the elevator release terminal are realized in the yellow warning casing design. All inscriptions are laser engraved.

The door hinge of the control cabinet door can be changed on site. The information section is located in the central part of the control cabinet. The DAVID-613 central computer communicates with the car and the shaft floor computers via a serial multiprotocol bus system.

The insulation box for the mains supply is located at the very bottom of the mounting plate. The cable entry can be made from the control cabinet floor or from the lower cabinet rear wall.

Variants also available in V2A / V4A (food industry).



MR(L) Control Rope- / Hydraulic

Cabinet KW 07

Powder coated control cabinet **KW07: 1800 x 600 x 400mm** (H x W x D) in IP54.

Control cabinet mounting plate is decoupled from the body. Control cabinet with integrated air filter box (inlet bottom – outlet top).

Optionally, a control cabinet air conditioning unit can be mounted on the side.

All operating devices can be operated in the internal control panel or in the external subdistribution. All inscriptions are laser engraved.

Standardized design in two cabinets: left cabinet frequency converter / right cabinet control.

For hydraulic double-triple-quadruple systems, the number of control cabinets increases accordingly.

A switch tank base in the **height of 200mm** is supplied as standard.

Variants also available in V2A / V4A (food industry).





Controller Cabinet KW280

MARK-I: 2035 x 280 x 240mm (H x W x D)

for machine room-less elevator systems (MRL) for installation in the shaft, in connection with a service panel, which is installed in the door frame or next to the shaft door.

The design allows the operation of drives up to 32A rated current.

- Frequency converter and brake control

The frequency converter, as well as the contactorless brake control unit, is located in the upper part of the cabinet. It goes without saying that the inverter and the brake control unit are contactorless – “state of the art”!

All cables to the machine & brake device are pre-assembled.

- Processor control and interface technology

The information section is located in the lower part of the control cabinet. The DAVID-613 central computer communicates with the car and shaft floor computers via serial multiprotocol bus system. Highly flexible DAVID 613 elevator controller for residential traction and hydraulic elevator systems.

Of course, a WLAN and CANOpen interfaces are available. Free APP for all Apple OS devices, as well as for the Android devices.

- Shaft cabling as plug & play

The remaining wiring of the shaft, including the shaft pit stations, terminal boxes and the indoor and outdoor panels is done in plug & play technology, i.e. pre-assembled and pluggable!





Controller Cabinet KW380

MARK-II: 2035 x 380 x 240mm (H x W x D)
 for machine room-less elevator systems (MRL) for installation in the shaft, in connection with a service panel, which is installed in the door frame or next to the shaft door.

The design allows the operation of drives up to 52A rated current.

- Frequency converter and brake control

The frequency converter, as well as the contactorless brake control unit, is located in the upper part of the cabinet. It goes without saying that the inverter and the brake control unit are contactorless – “state of the art”! All cables to the machine & brake device are pre-assembled.

Servicepanel KW120 for MRL

The service panel is used for MRL systems with shaft control cabinet.

It includes the device for electrical emergency release (elevator attendant terminal) and TÜV brake test.

The emergency stop de-energizes the control system. A return control is available for releasing persons / service tasks.

Controls for GB remote triggering and descent prevention, and bypass & reset VSG VSK are also provided.

An intercom system for establishing a communication link to the car and the interface for the programming tool complete the functionality of the panel.

By the way ...

An assembly operation can be performed without a suspension cable, without an inspection box, without a service panel, only with an assembly bulb.





Controller Cabinet KW595-MARK-III 595 x 595 x 195mm (H x B x T)

for machine room-less elevator systems (MRL) for installation in the shaft, in conjunction with a service panel, which is mounted in the door frame or next to the shaft door.

The service panel is powder-coated and laser-lettered.

The information part is located on the right side. The DAVID- 613 central computer communicates serially RS-485 with the car and the shaft floor computers.

In the lower part there is an interface X12 for connection of the external frequency inverters.

All shaft pit stations and terminal boxes, as well as the shaft bus, external and internal panels are pluggable.

Servicepanel KW120 for MRL

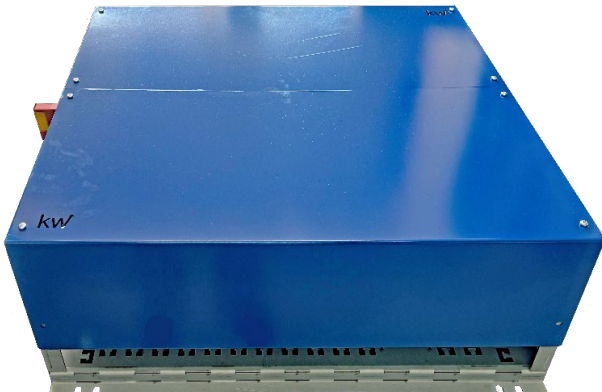
The service panel is used for MRL systems with shaft control cabinet. It includes the device for electrical emergency release (elevator attendant terminal) and TÜV brake test.

The emergency stop de-energizes the control system. A return control is available for releasing persons / service tasks.

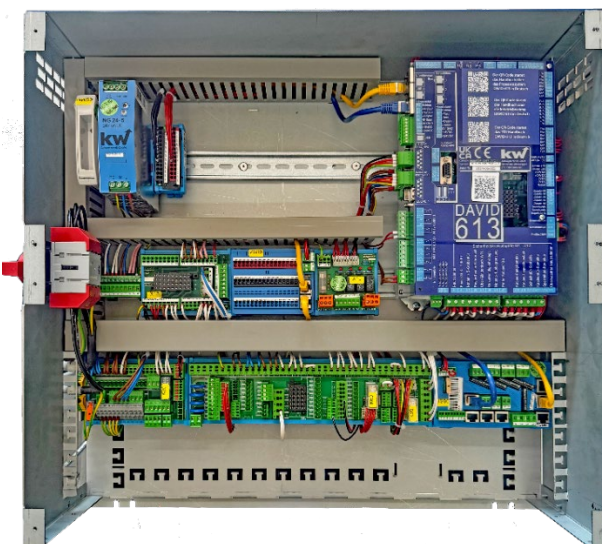
Controls for GB remote triggering and descent prevention, and bypass & reset VSG VSK are also provided.

An intercom system for establishing a communication link to the car.

In the lower part there is a complete sub-distribution board with main switch and fuses.



Controller Cabinet KW595-MARK-III outside



Controller Cabinet KW595-MARK-III inside



Frequency inverter GOLIATH-9 external



Servicepanels KW120-S for MRL with Shaft-Controller-Cabinet

Servicepanel KW120 Framebox,

Dim. 2000 x120 x120 mm,

(See image below).

Is mounted on the door frame. The unit is wired ready to plug in.



Servicepanel KW120 Plate Type A,

Dim. 1400 x116 mm,

(See image below).

The existing frame box can be retained, e.g. such as KONE Monospace, OTIS Gen2, Schindler EURO & 3300.



Servicepanel KW120 Plate Type B,

Dim. 700 x230 mm,

(See image below),

The existing frame box can be retained, e.g. as with the Schindler SMART.



Servicepanel KW120 Plate Type C,

Dim. 850 x240 mm,

(See image below),

The existing F30 frame box can be retained, e.g. as with the Thyssen SPIRIT.

