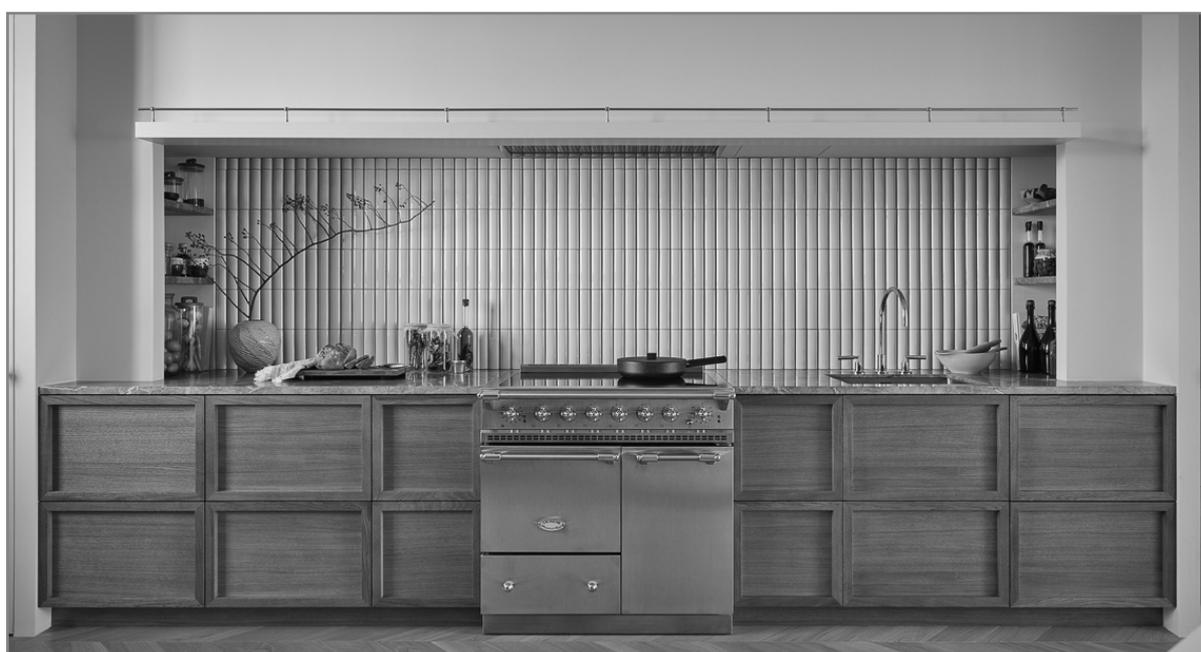




KITCHEN ASSEMBLY INSTRUCTIONS

EN



H-SERIES • F-SERIES
MONT-002



ASSEMBLY SUPPORT

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GENERAL INFORMATION

TO THE INSTALLER

Make sure you have the professional skills required to install kitchen units. Claims will not be accepted if the instructions have not been followed or if the installation has been carried out in a substandard manner, according to the rules of the Swedish Consumer Agency.

Read through the entire assembly instruction before starting the work. If anything is unclear, contact the seller or the factory. Do not install any material that is defective.

Note that this assembly instruction applies to the f-series with rebated doors and the h-series with overlay doors. The Art door model is a variant of the h-series and has a separate appendix describing the installation of its unique components.

PREPARATIONS BEFORE INSTALLATION

Well in advance of installation, all surfaces in the room must be prepared to allow for proper assembling. Floors must be adequately covered to avoid damage during installation. Walls should be straight and prepared for wallpapering or painting. Ceilings should be fully finished. Flooring should also be installed under the planned units.

Keep in mind that sanding dust and construction debris can cause problems with surface finishes, drawer runners, and appliances.

Wiring and piping for electricity, gas, water, draining and ventilation must be prepared as far in advance as possible. Note that these installations must be carried out by certified professionals.

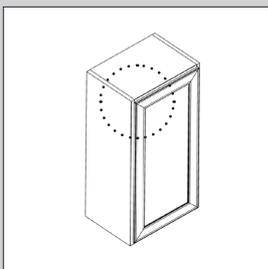
TOOLS

When cutting veneered components, high demands are placed on the saw blades. Be sure to use stable, fine-toothed carbide blades. Wash hands and tools to avoid unnecessary cleaning of the finished units.

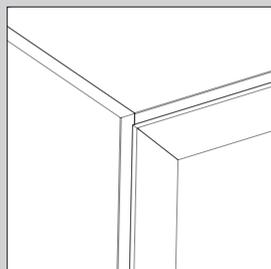
DETAILS ABOUT UNIT SERIES

F-SERIES – REBATED DOOR

- Unit frame with rebated door
- Visible frame and hinge cups (from the front)
- Hinge opening angle: 165°
- Hinges without damping. Soft-close door dampers are available as an option and are assembled inside the unit.
- Drawer slide with damping are standard



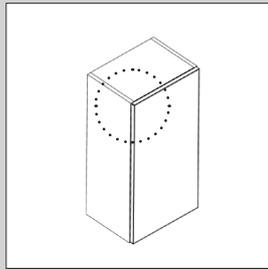
Unit frame with door



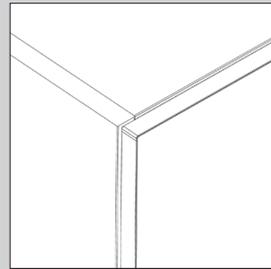
Rebated door

H-SERIES – OVERLAY DOOR

- Unit frame with overlay door
- Concealed frame and concealed hinges (from the front)
- Standard hinge opening angle: 110°
- Hinges with integrated damping (exception for the Ramel glass door)
- Drawer sliders with damping are standard



Unit frame with door



Overlay door

DELIVERY INSPECTION

The receiver and the driver must jointly inspect the delivery. The person accepting the goods is responsible for checking that all packages are undamaged before signing the delivery note. Once the delivery note is signed, responsibility for the goods transfers to the receiver.



- Check the delivery pallet, packages, etc. for visible damage.
- Verify that the number of packages matches the delivery note.
- The receiver signs for the shipment.
- Any deviations or damages must be noted on the receipt section of the delivery note, according to the instructions on the delivery note.
- Hidden damages must be reported to the retailer within 7 days.

In case of visible transport damage, this must be noted on the delivery note – follow the instructions on the delivery note. If no note is made, damaged goods cannot be claimed.

When reporting damage, the delivery note number must be provided. Be sure to have the driver confirm the damage by signing the relevant part of the delivery note.

Hidden transport damage must be reported no later than seven days after receipt of the goods – see instructions on the delivery note. The delivery note number must be provided, and the packaging must be retained. Damaged or incorrect goods must never be installed.

STORAGE OF UNITS AND DOORS

If units, doors, or components need to be stored before installation, they should be kept in a temperature-controlled room at +18–22°C with relative humidity between 40–60%.

At the time of delivery, goods must be protected from precipitation and the units unpacked promptly to avoid moisture-related damage.

Visible surfaces must be protected from light, as wood can age unevenly – especially if stored for an extended period. Incorrect or damaged material must not be installed.

PACKAGING

The carpentry is packed with cardboard corner protectors held together with plastic strapping. Fully loaded pallets are wrapped with stretch film. All packaging is recyclable and easy to sort for recycling.

ASSEMBLY SEQUENCE

To make the installation of the kitchen units easier, it's a good idea to get an overview of the recommended sequence. The steps are described in more detail later in this guide.

1. Unpack all base units and tall units. Remove packaging as you go. Take out all drawers and pull-outs.
2. Measure the highest and lowest point of the floor. Where a dishwasher is to be installed, the height from the floor to the top edge of the adjacent units must be 870 mm.
3. Place waterproof floor protection where the sink unit will be installed. Floor protection must also be placed under the dishwasher and fridge/freezer (applies in Sweden).
4. Start the installation in a corner.
5. Attach the adjustable unit legs as described in the instruction and place the units according to the layout drawing. Consider the lengths of the worktops. Check that all units are level.
6. Measure the correct height for the wall unit hanging rails and install them. Hang the wall units. Ensure that the spotlight cables are pulled up over the units.
7. Secure the wall units at the top with brackets to prevent them from sliding out of the rail.
8. Install fillers, ceiling connections, cover doors/side panels, and decor lists.
9. Install plinths and any plinth corners.
10. Clean out the units. Pay attention to runner fittings and drawers with inserts.
11. Install doors and drawer fronts. Adjust them so all gaps are even and all doors open and close smoothly.
12. Install knobs/handles.
13. Install cover caps on hinge plates and in holes for hanging fittings, as well as any cover plugs.
14. Remove the floor covering.

An assembly box is included with the delivery, containing screws, brackets, plinth corners, cover plugs, and other small parts needed for the installation.

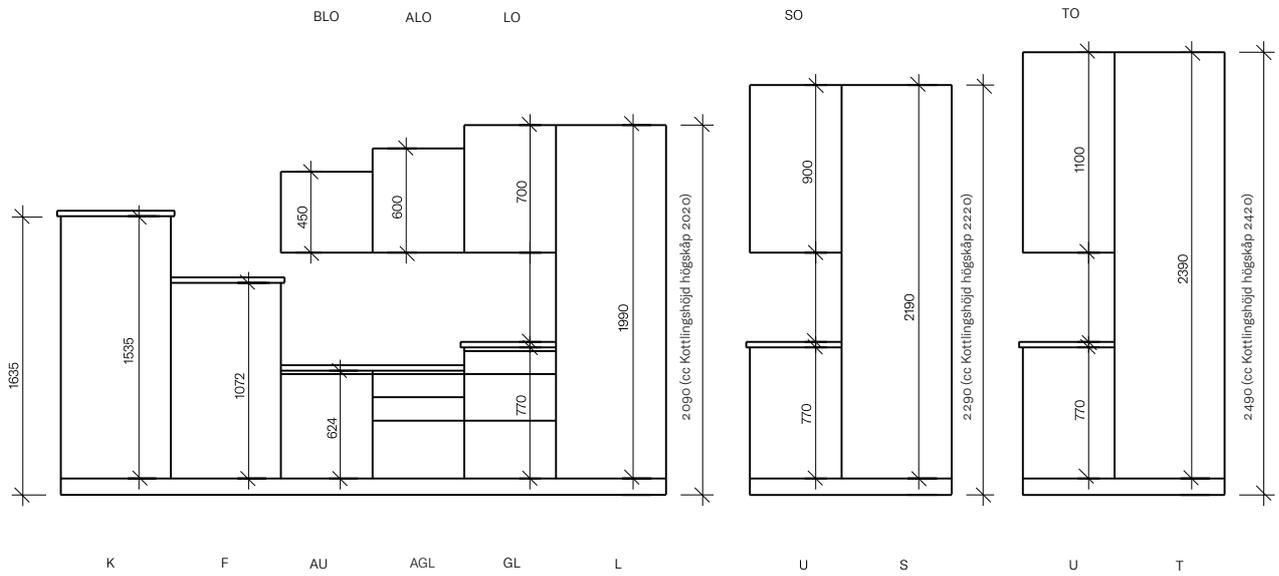
HEIGHTS AND DIMENSIONS

INSTALLATION HEIGHTS

Kvänum supplies units in several different heights.

The standard assembly heights for the f-series and h-series units are shown in the illustration below. The hanging rail for wall units should be mounted 70 mm below the top edge of the wall unit.

F-SERIES



H-SERIES



UNIT DEPTHS

Kvänum offers six standard unit depths in the f-series and h-series: 220, 320, 400, 500, 580 and 680 mm. Wall units have a depth of 320 mm. The back panel of all units is recessed by at least 18 mm, allowing space for installations such as electrical and plumbing.

WATER PROTECTION

Check the applicable regulations in the country where the kitchen units are being assembled. In Sweden, waterproof protection is required under the sink unit and all water-connected appliances, as well as under fridges and freezers that may produce condensation.

Regulations vary between countries, so be sure to check what applies locally.

ASSEMBLY OF UNITS

PLINTH LEGS

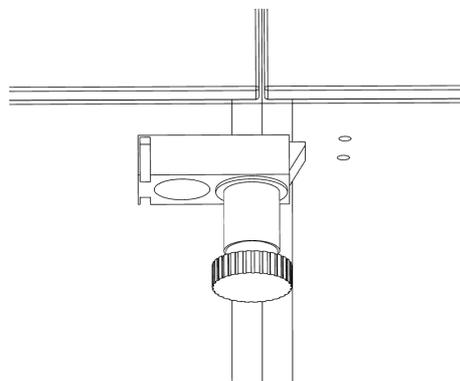
Base units and tall units are supported by adjustable plinth legs. The legs are mounted by inserting the leg pins into the pre-drilled holes in the bottom of the unit. Place two legs per unit joint in depth direction – see illustration. The legs are 100 mm high. Height adjustment range: -5 mm / +20 mm.

SUPPORT PLATE FOR PLINTH LEGS

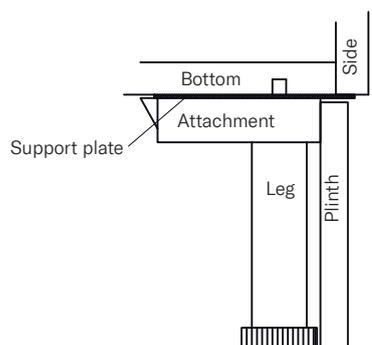
To better absorb the forces transmitted through the plinth legs onto the bottom of the unit, Kvänum has developed a support plate. This ensures that the downward pressure from the unit side is transferred through the leg directly to the floor, rather than pushing the bottom panel of the unit upward.

The support plate is placed between the leg mounting and the unit frame. It is recommended for areas where heavy loads are expected on the unit. See the drawing below for suggested placement.

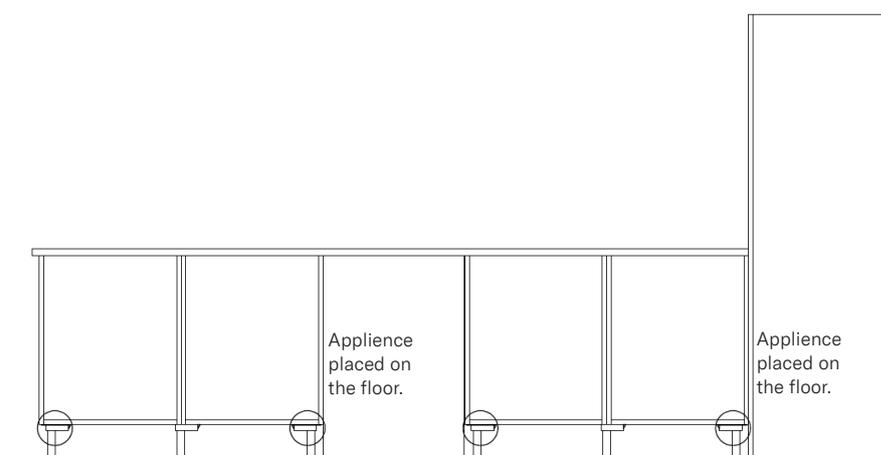
A calculated number of support plates are supplied per kitchen. As the installer, you decide where they are most needed.



Plinth leg assembled under unit. The legs are positioned under the unit joint to absorb as much of the load as possible.



Placing of support plate for plinth legs.



Support plates should be placed at the marked locations.

BASE UNITS



- Always check how the floor is sloped before starting the assembly. The easiest way to do this is by using a laser level to identify both horizontal and vertical lines.

Use a spirit level to adjust the units using the height-adjustable plinth legs. Check that there is enough space for dishwashers and other built-in appliances, especially if the floor is uneven. Where a dishwasher is to be installed, the height from the floor to the top edge of adjacent units must be 870 mm.

Before starting the assembly, an approved floor protection must be installed under the sink unit. This can be a sealed drip tray or certified floor mat. This cannot be added afterward.

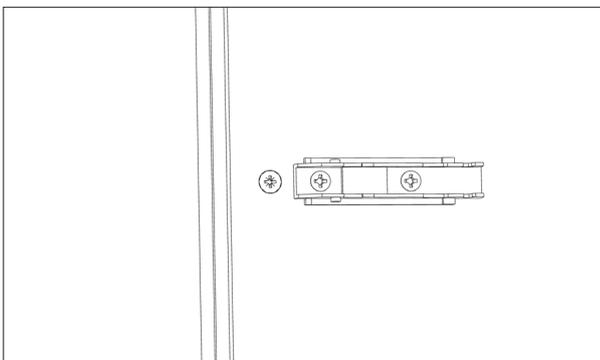
For all appliances requiring a drip tray, one must be installed — this can be done after the units are in place.

Use clamps to hold the units in place during assembly. To prevent scratches and damage, the clamp contact surfaces should be fitted with self-adhesive felt pads.

Before fastening the units together, any filler pieces and meeting side panels must be cut to size based on the length of the worktops. This is especially important when using stone or stainless steel worktops, which cannot be cut to fit on site.

For deeper worktops, a filler piece may be needed at the back of the unit to achieve the correct depth. In the h-series, a cover panel or cover door is recommended.

Assembly screws (3.5 × 35 mm) are designed to fasten the units precisely. Use three screws for base units, four for wall units over 700 mm in height, and four for tall units.



Suitable placement of assembly screws. Once the door is mounted, the hinge will cover the screw head.

Install each screw so that the countersunk screw head is flush with the surface of the unit side. Driving the screw in too far risks damaging the opposite unit side or leaving visible marks around the screw head.

Whenever possible, position screws in concealed areas of the finished installation — for example, behind rail holes, by hinges, or inside oven/microwave openings.



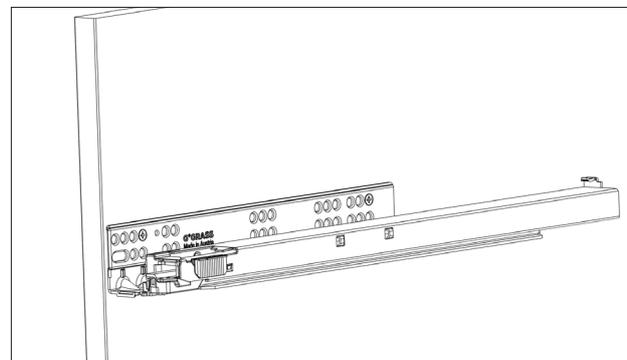
- It is very important that the joints between unit sides are properly aligned — the front edges must be flush and smooth.
- Filler pieces should be installed 0.5 mm inset from the unit side.

Once the units are joined together, secure them to the wall behind using the brackets included in the assembly box. It is sufficient to fix the units to the wall at a few key points along the unit row.

In cases where base units are pulled forward from the wall to accommodate extra-deep worktops, the wall must be **shimmed** out to support the units. The added support also provides a base for the rear edge of the worktop.

KITCHEN ISLAND

Position the units, adjust the plinth legs, and fasten the units together in the same way as described above. Small or shallow kitchen islands must be anchored to the floor to prevent tipping and potential injury.



If possible, use one of the available holes in the drawer slide to make the screws less visible.

WALL UNITS



The suspension rails for the wall units must be securely anchored. Ensure that the rail is fastened into wall studs or another solid structural material. They must not be installed in drywall alone.

Wall units come with pre-mounted hanging brackets located behind the recessed unit backs. The system includes 2000 mm hanging rails that are fixed to the rear wall along the entire row of units.

Use screws and plugs suitable for the wall material (not included in Kvänum's delivery).

Hang the units on the rail and adjust them sideways and vertically. The hanging bracket is adjustable from inside the unit using the adjustment screws visible through the oval cutout in the unit back. The units can be adjusted ± 6 mm vertically and ± 5 mm in depth.

TALL UNITS

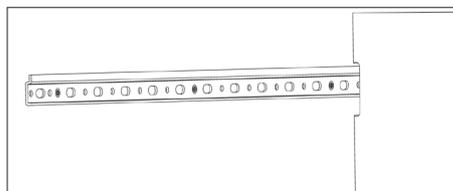
Tall units are assembled to the wall using the screw rail located behind the unit back, or using the same type of brackets used for base units. Use screws and plugs suitable for the wall material (not included in Kvänum's delivery).

In the H-series, visible outer sides are often covered with side panels or cover doors. These are screwed in from the inside of the adjoining unit. See the section on side panels and cover doors for more information.

Once the units are aligned, they are fastened together using assembly screws. The number of screws required is three for base units, four for wall units (with a height over 700 mm), and four for tall units.

When installing tall units, a filler panel is often included between the tall unit and the adjoining base unit. This panel must be installed to achieve the correct overhang for the worktop. Make sure that the ventilation clearances for fully integrated refrigerators and freezers comply with the respective appliance manufacturer's instructions.

Wall units placed above freestanding fridges and freezers should be attached to adjacent tall units, wall units, or filler panels. They should also be fastened to the wall with brackets and/or vertical support battens mounted behind the units. Always check that the selected appliance fits under the unit.



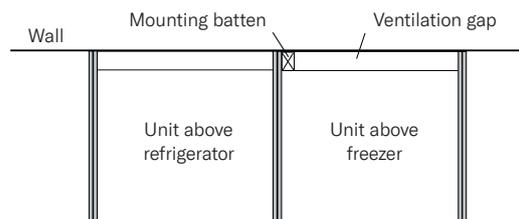
Hanging rail mounted on wall.



The hanging bracket is easily adjusted with a standard screwdriver. Cover this hole with the cover cap after making the adjustment.



- To secure the units in the rail and prevent lifting, fasten the units at the top with brackets so they cannot slide out of the rail.
- For wall units taller than 1100 mm, additional screw anchoring at the bottom is required for safe installation.



Placement of mounting batten for wall units above refrigerators and freezers.

COVER PANELS AND COVER DOORS

Cover panels and cover doors in the H series are sometimes used instead of directly veneered sides. These are normally extended 23 to 43 mm beyond the unit frame, depending on the door model of the interior.

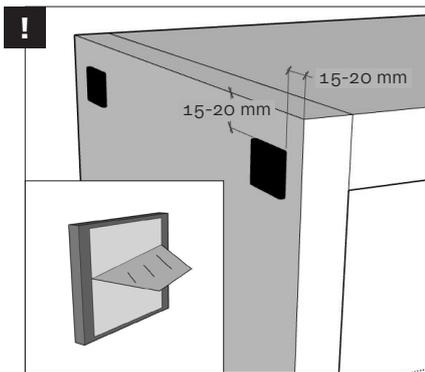
They either extend all the way down to the floor or stop at the bottom edge of the unit. On wall units, the cover door is mounted flush with the other doors at the bottom edge.

To create the same gap between the door and the cover door, 2 mm spacers are glued onto the unit side before installing the outer cover door. Glue the spacers evenly distributed on the outer side of the unit.

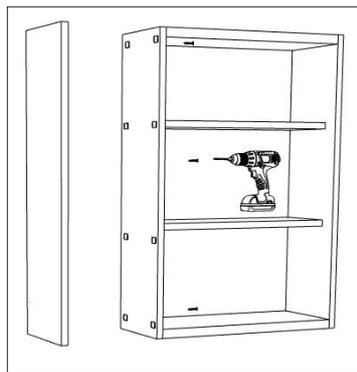
The number of spacers depends on the size of the cover panel. Ten spacers are included per cover door.

Secure the cover door with clamps and then fasten it with screws from inside the unit. Be careful not to overtighten the screws, as this may cause the cover door to bend during tightening.

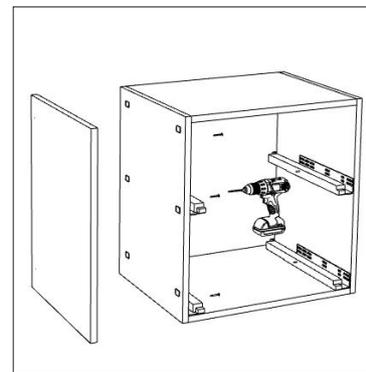
Cover doors in the F series are mainly installed on the side or back of freestanding units. The doors are mounted either within a frame constructed from trim pieces or in a recess made in a separate cover panel.



Remove the protective film and tape the spacers onto the unit side

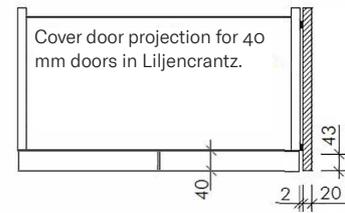
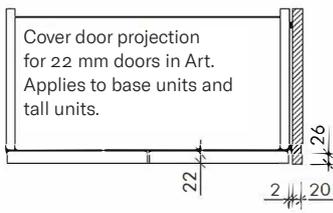
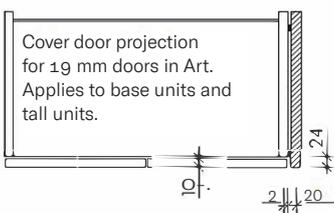
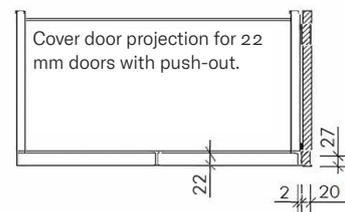
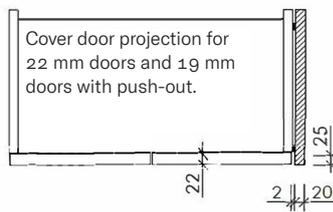
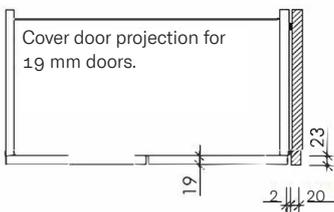


Example wall unit



Example base unit

COVER DOOR PROJECTION



TAMBOUR UNIT

Tambour units are installed in the same way as standard units. Take extra care to ensure that the unit is not compressed or pulled apart when fastening it to adjacent units. Otherwise, the tambour door may become difficult to operate.

The sliding rails in the sides of the unit can be lubricated with Helosan ointment. The spring tension in the tambour roller is adjusted by first loosening the handle from inside the unit. The screws are located at the rear of the handle. Lift the tambour door past the white guide fittings and increase or decrease the spring tension by rotating the roller.

If the roller is removed, make sure that the arrows on the ends of the white plastic plugs point upward before reinstalling the roller.

Pull the tambour door back into the guide rails and reinstall the handle. After some time of use, the spring may need readjustment.



• When using appliances such as coffee makers or other machines, they must be placed outside the unit during operation.



Tambour door unit with the door closed. During installation, ensure that the sides of the unit are not pressed together, as this may cause the tambour door to operate stiffly.

UNITS FOR INTEGRATED APPLIANCES

BASE UNITS FOR INTEGRATED APPLIANCES

Ensure that there is sufficient space for ventilation between the hob and the oven. The back panel of the units is recessed by 45 mm to facilitate pipe routing and to provide the necessary ventilation space.



Oven unit GU-60
A shallow pull-out drawer is located below the oven.

If a shorter microwave oven is used, a filler front may need to be installed above it to cover the visible gap. The filler front is height-adjusted and fastened with steel brackets from inside the unit.

TALL UNITS FOR INTEGRATED APPLIANCES

Begin by installing the refrigerator according to the supplier's instructions. Ensure that the appliance is suitable and compatible with the unit. Then install the door, remembering to attach the handle first. Make sure that ventilation is adequate and correctly arranged.



Tall unit with space for an integrated refrigerator.

BASE UNITS FOR INTEGRATED REFRIGERATOR AND FREEZER

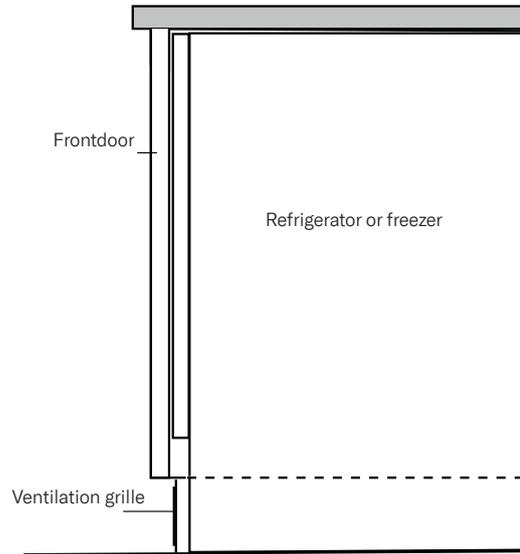
Leave as much space between the units as required by the appliance. Position the appliance and fasten it to the adjacent units according to the appliance manufacturer's instructions.

Install the handle/knob on the door before mounting it onto the appliance.

Ensure that ventilation air can circulate according to the manufacturer's specifications.

If the ventilation gaps are visible when the refrigerator door is opened, cover them with a filler piece or similar.

Install a ventilation grille in the plinth.



BASE UNITS FOR INTEGRATED DISHWASHER

Leave as much space between the units as required by the dishwasher. Depending on the dishwasher model, a dishwasher top panel may need to be installed; see the separate instructions supplied with the dishwasher top panel.

Install the handle/knob on the door before mounting it onto the appliance.

For 450 mm wide machines in the H series, a spacer must also be installed above the dishwasher top panel. This prevents the door from hitting the machine when opened downward.

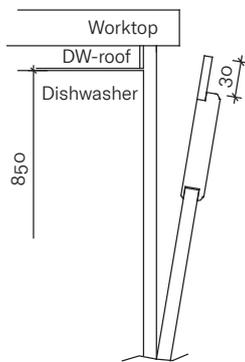
Extend the plinth across the front of the dishwasher. It may be necessary to trim the upper edge of the plinth slightly to allow the door to open freely.

!

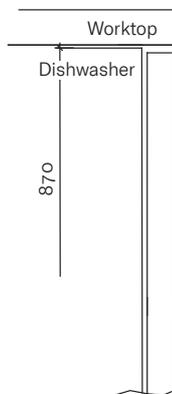
- Remember to install floor protection against water damage.
- Protect the underside of the worktop from water damage using the protective cover supplied with the dishwasher.

TALL UNITS FOR INTEGRATED DISHWASHER

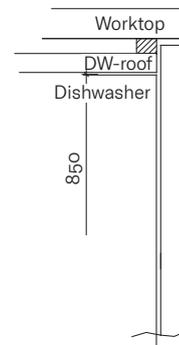
For installation of an integrated dishwasher in a tall unit, refer to the enclosed installation instructions.



F series with low appliance.



H series with tall appliance.



H series, 450 mm wide, low appliance.

DETAILS

FILLER PIECES AND CEILING CONNECTIONS

Always install filler pieces approximately 0.5 mm recessed from the unit side. Filler pieces between the wall and veneered wall units must be mitre-cut at 45 degrees at the front edge and glued at the mitred joint during installation.

Glue or screw the filler pieces in place from inside the unit. Position the screws so they are as concealed as possible. Wide filler pieces will also require additional support at the wall or ceiling.

Ceiling connections must always be installed slightly recessed from the unit frame to achieve a cleaner and more refined finish.



Filler piece installed between the wall on the right and the side of the refrigerator.

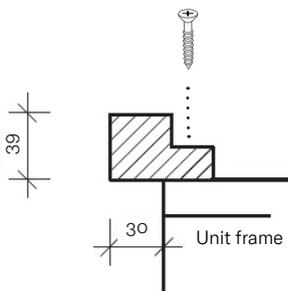


Ceiling connection panel installed between the wall unit and the moulding. Note that the ceiling connection panel is recessed a few millimetres in relation to the wall unit.

CORNICES

Straight cornice

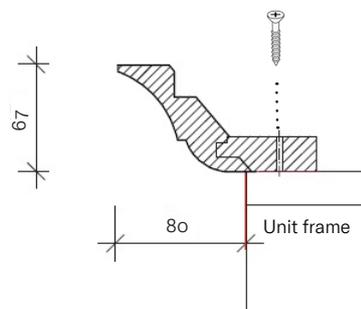
The straight cornice has a vertical height of 39 mm and is installed by screwing it to the top panel of the unit with a 30 mm overhang.



Straight cornice.

Cornice Harmoni

Installed with an 80 mm overhang from the front edge of the unit frames. Fastening is carried out using mounting blocks, which are glued in place at approximately 300 mm intervals. The blocks are screwed to the top panel of the unit. Note that the mitre saw must have a blade capable of making at least an 80 mm cut.



Cornice Harmoni.

FINISHED END PANELS

Finished end panels are used, for example, on kitchen islands or alongside freestanding refrigerators and freezers. The panels are supplied in the specified dimensions but usually need to be trimmed and adjusted on site. Panels used as backs, for example on kitchen islands, are fastened with screws from inside the units.

Panels installed beside freestanding refrigerators/freezers or at the end next to a dishwasher are secured with angle brackets to the wall and floor. Note that some support panels between the refrigerator and the base unit start at plinth height. If a veneered panel stands directly on the floor, spacer pins must be installed. The panel will then need to be trimmed in height accordingly.



- When panels and boards have been trimmed and are to be installed against the floor or worktop, the cut edge must be sealed to ensure protection against moisture.

PILASTERS

Pilasters are normally installed by screwing them in place from inside the adjacent units. The pilasters are positioned to project beyond the adjacent units in accordance with the designer's specifications.

Note that if the pilaster rests on a pilaster base that is wider than the pilaster itself, a filler piece must be installed between the pilaster and the unit.

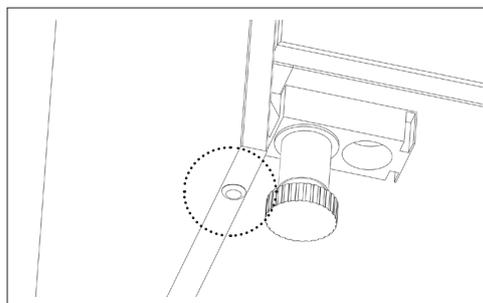


- Where the pilaster meets a worktop, it must be sealed at the bottom with flexible sealant to ensure protection against moisture.

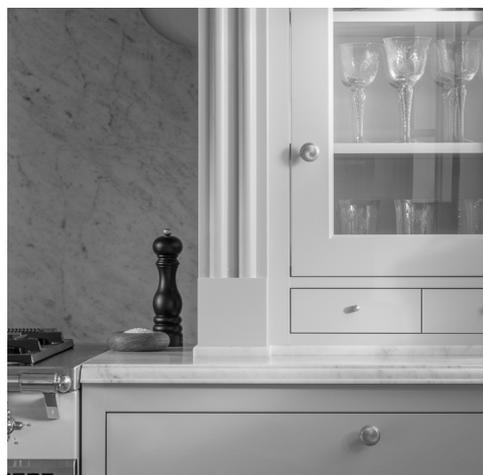
LADDER WITH RAIL

The rail consists of a steel tube and rail fittings of 75 or 50 mm. The fittings are installed with a projection of 20–25 mm at the front edge and 10 mm at the side in relation to the end unit. Secure the rail fittings firmly from inside the adjacent units, ensuring they can withstand the load of the ladder and an adult person.

Install the rail fittings evenly along the rail. The distance between the fittings must not exceed 1000 mm. Install the rail end caps at both ends using contact adhesive.



Spacer button fastened underneath a finished end panel.



Pilaster for Bjertorp extractor hood.



Ladder resting against the rail. Note that the rail is fastened to rail fittings between the units to provide sufficient clearance so that the ladder does not contact the units.

WOODEN EXTRACTOR HOODS

Wooden extractor hoods are supplied in several designs that are installed in a similar manner, but with certain variations.

! Note that all matters related to ventilation must be handled by professionals who have expertise in the field.

It is important that the technical specifications for each extractor model are available during installation.

In some cases, the hoods are complemented with pilasters that extend down to the worktop. These must be sealed at the bottom with flexible sealant to ensure protection against moisture. The sealant also acts as an adhesive to the surface. Then fasten the hood frame to the pilasters. Finally, install any wall unit or front panel, as well as the extractor unit.

Sundby

The Sundby extractor hood is installed as a wall-mounted unit. The hood is fastened to the wall from inside the hood, through the back panel. Use an appropriate number of mounting screws depending on the wall type.

Sundby hoods with a width of 1340 mm are also equipped with a fixing rail, which must be screwed through to provide additional support for the weight of the hood.

The upper section is supplied factory-primed and is hand-painted on site.

The interior capture area of the hood is lined with aluminum high-pressure laminate.

Trolmen and Råbäck

The Trolmen and Råbäck extractor hoods are manufactured in standard widths to fit 900 mm or 1200 mm wide extractor units.

The hoods must always be complemented with pilasters. For deeper worktops, the hood should be spaced out by 75 mm. The total depth of the hood will then be 580 mm; see illustration to the right.

! Note that the structural strength will be insufficient if the extractor units are fastened only to the pilasters. The suspension rail, which is fixed to the wall or to mounting rails, is necessary to prevent the units from falling.

Note that 75 mm deep mounting rails must be installed on the

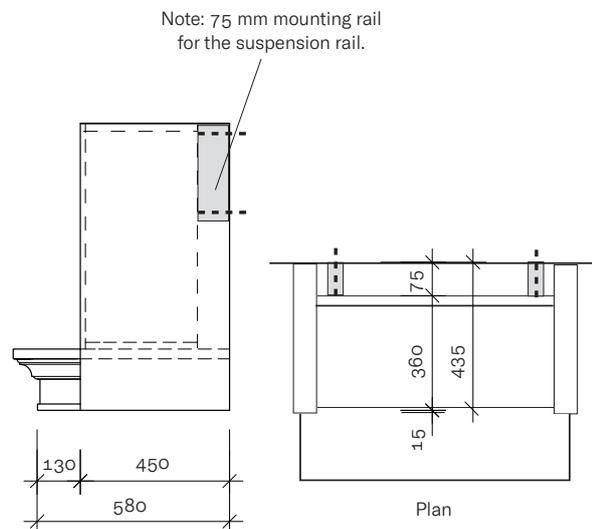
wall in order to fasten the suspension rail when using the 580 mm deep extractor hoods. Secure the mounting rails to the structural wall behind and ensure they are of sufficient length to



The upper section of the Sundby extractor hood is to be filled and painted on site.



Detail view of the Sundby extractor hood.



PLINTHS

Units in the F and H series are normally fitted with a recessed plinth with a height of 100 mm.

Joining of long plinth sections is carried out as shown in the accompanying illustration.

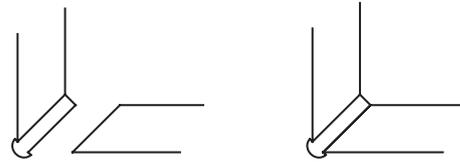


Joining long plinth sections.

INSTALLATION AT EXTERNAL CORNERS

Adjust the plinth and the plinth corner piece to the correct height and cut the lengths to size. Mitre the joints at external corners.

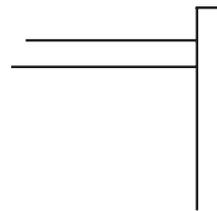
Glue the plinth corner piece to one of the plinth sections and allow it to dry. Then glue the plinth sections together. Secure the entire plinth using the clips fastened to the units.



External plinth corner.

INSTALLATION AT INTERNAL CORNERS

Adjust the length and height and cut at 90 degrees. Then secure using the clips fastened to the units.



Internal plinth corner.

INSTALLATION OF PLINTH AT DISHWASHER

For certain dishwasher models, the plinth may need to be height-adjusted to allow the door to open fully in the downward position.

APPLIANCES

GENERAL

Carefully read the installation instructions provided by the appliance manufacturers and follow all requirements regarding ventilation, insulation, fire safety, etc.

Many properties and apartments have older electrical installations. Consult your electrician to ensure that the selected appliances are compatible with the existing electrical system.

DISHWASHER

Integrated dishwashers are installed according to the instructions in the section for integrated dishwashers and the enclosed instructions supplied with the dishwasher top panel.

Place floor protection beneath the appliance to prevent any water leakage from spreading under the units.

OVEN

Read the installation instructions for the specific oven and verify all connections and electrical requirements before beginning installation.

Note that ovens requiring connection to water supply and drainage have specific requirements regarding the diameter and slope of the drainage pipes.

MICROWAVE OVEN

Microwave ovens are installed according to the manufacturer's instructions. When using a shorter model, a filler front may need to be installed above it to cover the remaining space. The filler front is height-adjusted and fastened from inside the unit using steel brackets.

Microwave ovens may also be installed inside a standard unit, but must not be operated with the unit door or tambour door closed.

COFFEE MACHINE

Install according to the manufacturer's instructions. Ensure that any required water supply and drainage connections are prepared.



Fully integrated 60 cm wide dishwasher in the F series.

!

- Installations for water, electricity, gas, drainage, and ventilation must be carried out by qualified professionals. Otherwise, warranties and insurance coverage may be void.
- Remember to install floor protection against water damage.

EXTRACTOR HOODS AND VENTILATION

Extractor hoods are manufactured in a variety of models, designs, and sizes. It is important to ensure early in the construction process that the necessary ventilation ducts are in place or can be installed. Consult ventilation specialists who can recommend the appropriate duct diameter and positioning.

Note that each bend in the ventilation duct significantly reduces performance. Likewise, performance is drastically reduced if it is connected to a duct with too small a diameter. Therefore, aim to keep the duct run as straight as possible from the kitchen to the outlet.

Ventilation ducts and piping must be installed well in advance of the kitchen assembly.

If extractor hoods are installed in direct connection with fireplaces or stoves, the conditions must be inspected by a certified chimney specialist.

Freestanding extractor hoods must have sufficient structural reinforcement in the ceiling to ensure secure installation. Refer to the installation instructions for the specific extractor hood model for correct installation. If necessary, consult a carpenter to ensure proper fastening and fit.

Ceiling-mounted extractor hoods require electrical conduit for wiring to the extractor motor controls. When installing above gas hobs, the required safety distance from the gas flames must be observed — the extractor hood must not be installed too close. Always refer to the installation instructions for the selected extractor hood model and follow the manufacturer's safety regulations.

HOBS

Hobs are installed in a cut-out in the worktop and secured with fastening brackets from below or with special mounting strips installed in the worktop. Some models must also be bonded in place with adhesive. Check whether the hob requires additional space in the base unit — some wider models may require cut-outs in the unit frame.

Protect the drawer runners to prevent sawdust from adhering to the grease in the runners. In some cases, a drawer may need to be fixed in place or made non-operational to provide sufficient space for the hob. Always refer to the installation instructions for the specific hob model for exact requirements.



Wall-mounted Helios extractor hood.



- Installation must be carried out by qualified professionals.
- When installing extractor hoods in multi-dwelling buildings, the resident must ensure that no inconvenience is caused to other occupants in the building. In many cases, recirculating extractor hoods with carbon filters must be used.

ELECTRICAL INSTALLATIONS

GENERAL ELECTRIC INFORMATION

Consult your electrician to verify the electrical conditions in the property where the installation will be carried out. In some cases, an upgrade of the electrical supply may be required to accommodate increased power demand.

The back panel behind all units is recessed by 18 mm to allow space for electrical wiring.

All connections must be made using the products supplied. Connections must be made using pre-installed quick connectors on the secondary side and a plug connection on the primary side to a live power outlet. This ensures that the manufacturer's warranties remain valid and allows lamps and drivers to be replaced without the use of tools.

Ensure that the cable is not fully stretched during installation but allowed to run freely behind the units so that a lighting fixture can be pulled forward if replacement is required in the future.

Drivers must be positioned in an accessible location, inside a unit or behind a panel. Where ceiling connection panels are installed above wall units, a hole may be drilled through the top panel of the unit using a hole saw. The driver can then be fed up through the hole, which is concealed with a cover cap. This does not apply to internally veneered units.

The driver must not be connected to the same electrical phase as refrigerators, freezers, or fluorescent lighting, as uneven power supply may cause premature failure of the lamps. If the lighting is to be connected to a dimmer, ensure that the dimmer is compatible with electronic drivers.

!

- Installation must be carried out by qualified professionals.
- Incorrect connection may cause damage to the products and, in the worst case, result in fire.

POSITIONING OF ELECTRICAL OUTLETS FOR APPLIANCES

Note that all electrical safety regulations must be followed. Ensure that the plug can be easily disconnected when required without having to move the appliances.

A recommended positioning of the outlets may be as follows:

Hob unit – route the conduit upward and position the outlet, for example, between the drawers.

Oven and microwave unit, L height – 1940 mm from the floor, in the space above the appliance.

Oven and microwave unit, S and T heights – 2160 mm from the floor, in the space above the appliance.

Wall unit above refrigerator – the outlet should be positioned so it can be accessed without pulling out the refrigerator, for example, in the space above.

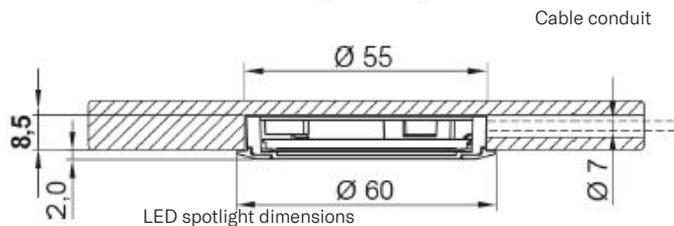
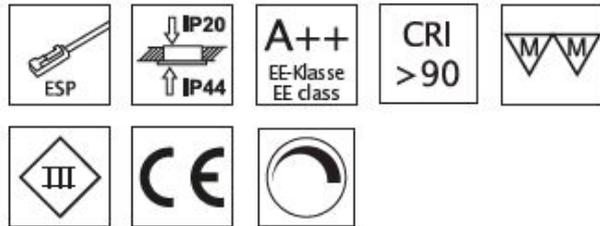
Dishwasher – position an outlet in the adjacent unit, preferably in the sink unit.

LED SPOTLIGHTS

Pre-installed spotlights in shelves and in the bottoms of wall units are supplied with a 2000 mm long cable.



2700 K
3W/spotlight
24V
IP 44
Dimmable on the primary side.



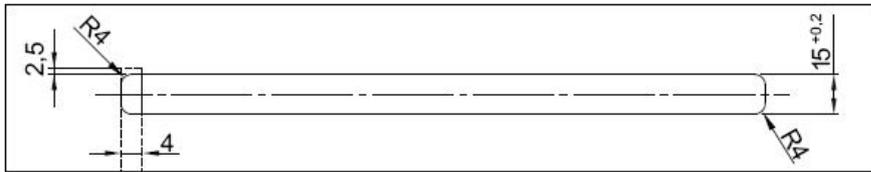
LED-LINE I 6

Line 16 is primarily decorative lighting and not intended for task lighting.

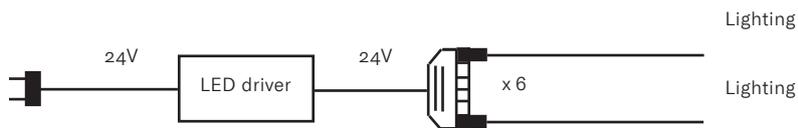


2700 K
 24V
 4,5 Watt
 IP 20
 Dimmable on the primary side

Cut-out dimensions for on-site installation, if applicable.



Wiring diagram



Number of Line 16 per driver
 74987 Driver 50 W = 6 pcs Line 16
 74167 Dali driver 20 W = 4 pcs Line 16

LED-LINE 24

Line 24 – Task lighting factory-installed in the bottom of wall units.

Connector system



ESP

Extension cable



2000 mm



2700 K
24V
1.4W/m
IP 20
Dimmable on the primary side

Wiring diagram



Width/Power consumption

Unit width	Watt
300 mm	3,5 W
400 mm	5 W
500 mm	6,5 W
600 mm	8 W
700 mm	9 W
800 mm	10,5 W
900 mm	12 W
1000 mm	13,5 W

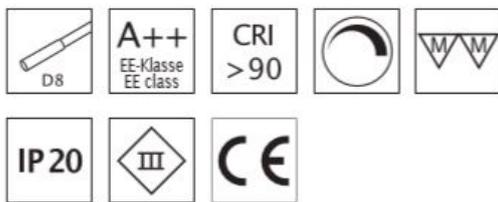
Line 24 length per driver

74987 Driver 50 W = 3,5 m Line 24
74167 Driver Dali 20 W = 1,4 m Line 24

LED LIGHTING IN UNITS

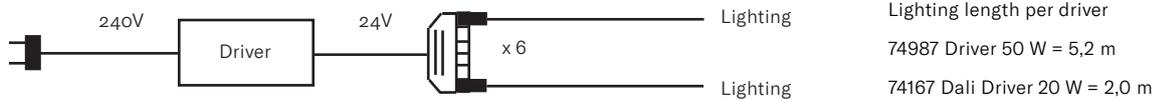
The LED lighting is factory-installed on the inside of the unit frame. The LED strip has a power consumption of 9,6 W per metre, and one strip is installed on each side.

To calculate the number of drivers required, multiply the unit height in metres by 18,2 W. The connection to the driver is located above the unit.



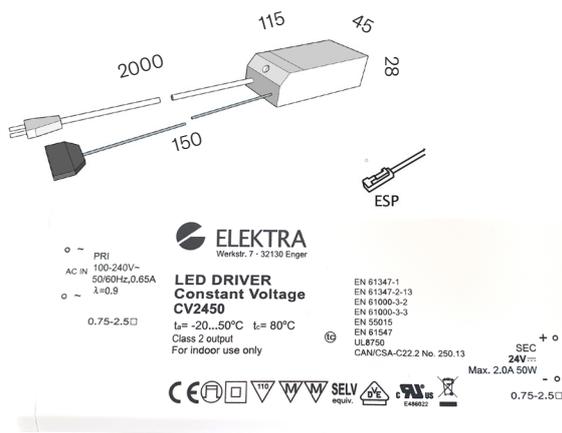
2700 K
24V
9,6W/m
IP 20
Dimmable on the primary side

Wiring diagram

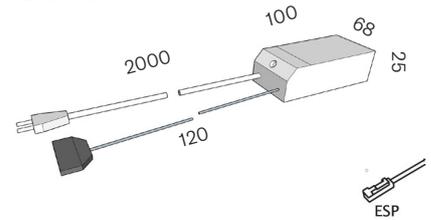


Driver

74987 Dimmable driver 24V/50W



74167 Dimmable Dali driver



cod. 125424 **DC JOLLY DALI** Dimmable ACDC PIS for LED

MADE IN ITALY
V.le Parma 14, 21047 Saronno (VA) Italy

ta = -25...45...75°C ; tc = 75°C

PR1: 110-127V 50/60Hz λ=0,98 Imax=0,18A
220-240V 50/60Hz λ=0,95 Imax=0,16A

SEC: 32W max; 250-700mA (Uout=55V);
12/24V according to dipswitch settings

170-280Vdc range x emerg. appl. Imax=0,21A

DEFAULT DIMMING: AM+PWM; DO NOT SYNC WITH OTHER DEVICES
SHORT CIRCUIT NTC DURING SWITCH ON TO SET FULL PWM DIMMING

	110-127V	220-240V	SEC	1	2	3	4	5	6
12 W	12 W	250 mA	-	-	-	-	-	-	-
14 W	14 W	300 mA	-	-	-	-	-	-	ON
15 W	17 W	350 mA	-	-	-	-	-	-	ON
15 W	19 W	400 mA	-	-	-	-	-	-	ON
15 W	22 W	450 mA	-	-	-	-	-	-	ON
15 W	24 W	500 mA	-	-	-	-	-	-	ON
15 W	26 W	550 mA	-	-	-	-	-	-	ON
15 W	28 W	600 mA	-	-	-	-	-	-	ON
15 W	31 W	650 mA	-	-	-	-	-	-	ON
15 W	32 W	700 mA	-	-	-	-	-	-	ON
10 W	10 W	12 V	-	-	-	-	-	-	ON
15 W	20 W	24 V**	ON	-	-	-	-	-	ON

Before use, always check S1 dipswitch settings

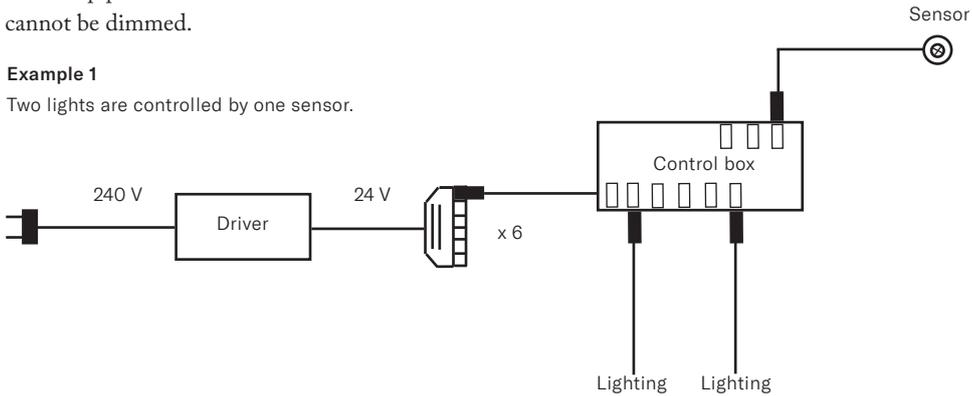
DA1: supplementary insulation to SELV circuit
DA2: basic insulation to PRI circuit

SENSOR-CONTROLLED LED LIGHTING

To activate the LED lighting in the unit when the door is opened, a motion sensor can be used. The sensor is factory-installed in the top panel of the unit. Note: Drivers connected to a sensor cannot be dimmed.

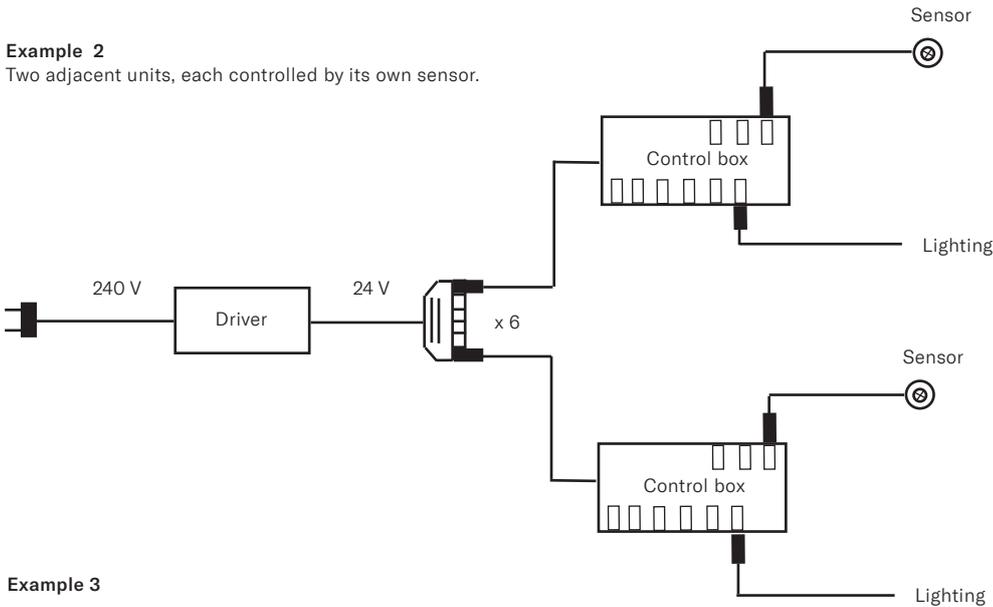
Example 1

Two lights are controlled by one sensor.



Example 2

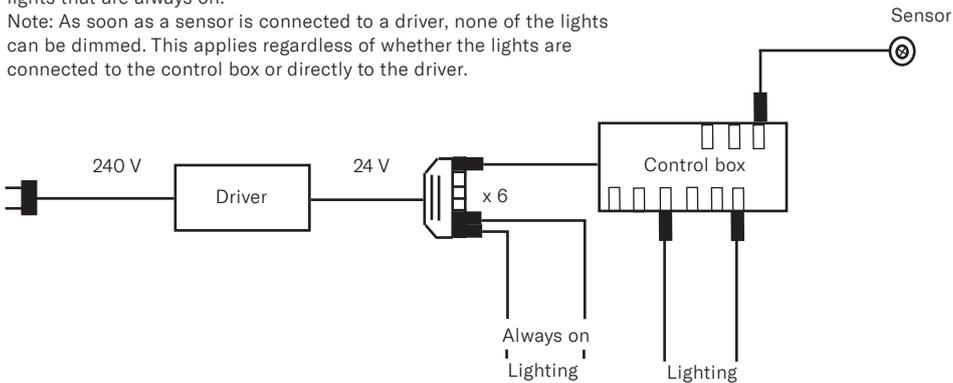
Two adjacent units, each controlled by its own sensor.



Example 3

One unit with two lights controlled by a sensor, and one unit with two lights that are always on.

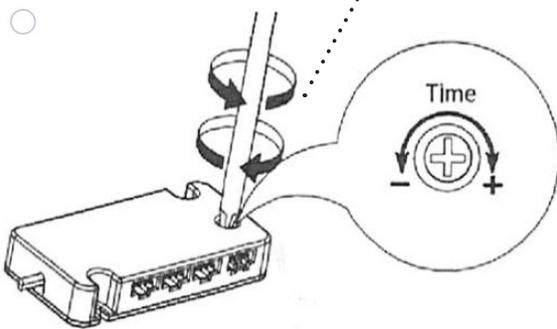
Note: As soon as a sensor is connected to a driver, none of the lights can be dimmed. This applies regardless of whether the lights are connected to the control box or directly to the driver.





Control box

24 V
6 ports for lights
3 ports for sensors



Adjustment of delayed switch-off for sensor-controlled lighting from 5 to 120 seconds. The light turns off after the selected number of seconds if no motion is detected by the sensor.

DOORS AND DRAWERS

DOOR INSTALLATION

To minimize the risk of damage during transport and handling, all doors and drawer fronts are delivered in separate packages. The doors are supplied undrilled for handles and knobs.

Rebated doors, F series: Hinges are mounted to the door using the supplied 3.5 × 15 mm screws.

Full overlay doors, H series: Hinges are mounted using a clip-on fixing without screws to the door.

Install all doors before drilling for handles or knobs, except for doors for integrated appliances, where handles or knobs must be installed in advance, before the door is mounted onto the appliance. All doors are fitted with integrated soft-close dampers, ensuring that the doors close softly against the unit frames.



Soft-close damper integrated into the door.

HINGE ADJUSTMENT, F-SERIES



Up and down

Loosen the screws on the mounting plate slightly. Then slide the plate in the desired direction and retighten the screws.



In and out

Loosen the rear screw on the hinge and move the door in or out as required. Then retighten the screw.



Diagonal adjustment

Adjust using the front adjustment screw to the desired position.

After adjustment, a cover plate is installed to conceal the screws on the hinge.

Drill the holes for handles/knobs using the supplied drilling template. Carefully verify the positioning before drilling the holes for handles or knobs. Hold a wooden block against the back of the door to prevent tear-out.



The hinges consist of two parts: a mounting plate installed in the unit and a hinge arm mounted to the door. The illustration above shows a fully installed hinge in the F series with a cover plate concealing two of the adjustment screws. The cover plates are supplied in the assembly box and are installed at the very end of the assembly process.

HINGE ADJUSTMENT, H-SERIES



In/out adjustment.



Up/down adjustment



Side-to-side adjustment.



Adjustment of the damping force in three stages



Hinge adjustment

INSTALLATION OF DRAWER FRONTS

There are two different mounting methods depending on the door model of the interior. Installation of drawer fronts is easiest when the drawer is pulled out and attached to the drawer runners.

DRAWER FRONT MOUNTING, RAMEL AND LIJENCRANTZ

- Drawer front mounting with recessed adjustable front connectors.
- The drawer is pre-drilled for 4 pcs M4 × 20 mm screws.
- Centre the drawer front and fasten it using the pre-installed front connectors. Final adjustment is carried out on the drawer runners (see installation instructions).

DRAWER FRONT MOUNTING, OTHER DOOR MODELS

- Drawer front mounting using pre-drilled fixing points.
- The drawer is pre-drilled for 4 pcs 4.8 × 25 mm wood screws.
- Tighten the screws. Final adjustment is carried out on the drawer runners (see installation instructions).

All drawers are supplied as standard with soft-close drawer runners. The runners consist of several moving components.

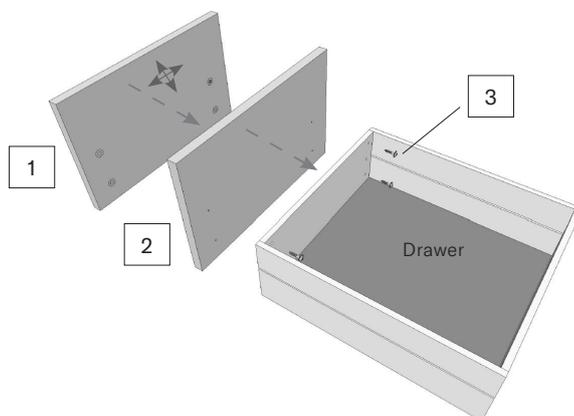
Ensure that the runners are protected during installation to prevent dust and debris from entering the sliding mechanisms. If dust or debris has entered the runners, vacuum carefully and clean with a soft cloth before reinstalling the drawers.

Before drilling holes for handles or knobs, carefully verify the positioning. In some cases, the holes pass through both the drawer front and the drawer front.

Handles are installed after the drawer fronts have been mounted to the drawers. Use the supplied drilling template. Always hold a wooden block firmly against the back of the front to prevent tear-out when drilling.



· Important! Do not overtighten the mounting screws with a power driver. Use the correct torque setting — the driver must not be set to drill mode.



1 Doormodell Ramel or Liljencrantz
4 st M4 x 20 (Phillips screw)

2 Other door models
4 st 4,8 x 25 (Torx T25)

3 Mounting screw

INSTALLATION OF HANDLES AND KNOBS

We offer a wide range of knobs and handles in various designs and lengths. There are many options for individual placement, and different handles and knobs may also be combined. Handles may be installed vertically or horizontally on doors. On drawer fronts, horizontal installation is always recommended. As a general guideline, handles and knobs should be centred within the frame on framed doors. On smooth doors, a position approximately 40 mm in from the edge is recommended, although individual positioning may be preferred.

Check the centre-to-centre (CC) measurement of the handles. It is recommended to use the supplied drilling template. Mark the CC measurement on the template and select the desired distance from the edge. Drill holes in the template and use it to mark the hole positions on the door. Apply masking tape to

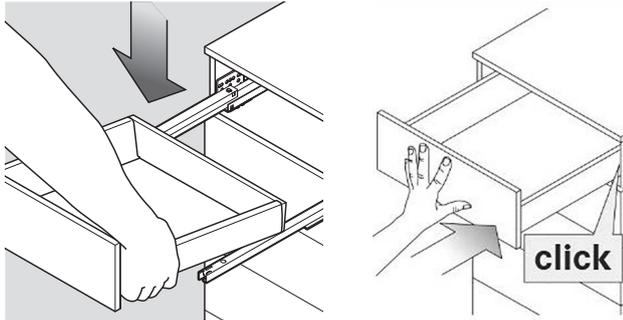
the front of the door and mark the hole positions on the tape. Drill using a 5 mm drill bit from the front of the door through the tape, and use backing support on the rear side to prevent tear-out.

When installing handles and knobs on low drawer box fronts, it may sometimes be necessary to drill through both the drawer front and the drawer box front. Extra-long handle screws are supplied for this purpose. Alternatively, the handle or knob may be installed on the drawer front before mounting the drawer front onto the drawer. If the rear side of the drawer front is completely flat, the screw head must be countersunk into the drawer box front. If the drawer front has a frame with a panel that is recessed from the frame, the screw head will fit between the drawer front and the drawer box front.



INSTALLATION OF DRAWERS

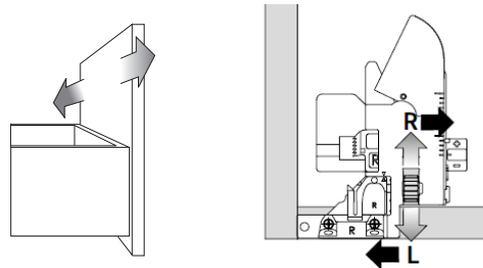
Place the drawer onto the drawer runners and push it inward until you hear a click. Check that the drawer operates correctly.



ADJUSTMENT OF DRAWER FRONTS

Adjustments are made using the fittings underneath and behind the drawer. See the instruction video using the QR code below.

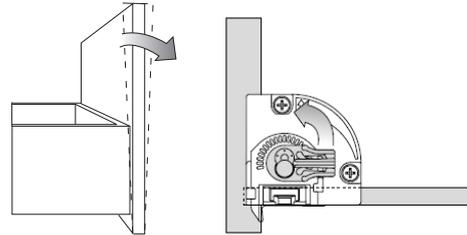
Side adjustment (max. ± 1.5 mm)
The fitting is located underneath the drawer.



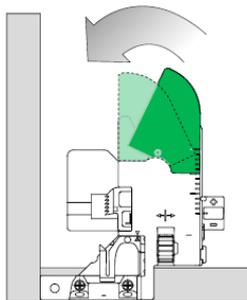
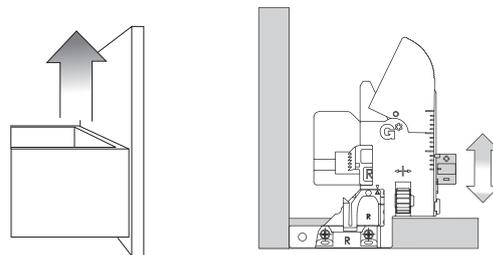
REMOVAL OF DRAWERS

- Pull the drawer out fully.
- On the underside, at the front of the drawer, there are release clips. Press the clips on both sides simultaneously and carefully pull the drawer toward you.
- Once the clips have disengaged from the drawer runners, lift the drawer upward and outward to remove it.

Front tilt adjustment (max. +4 mm)
The fitting is located at the back of the drawer.



Height adjustment (max. +3.5 mm)
The fitting is located underneath the drawer.

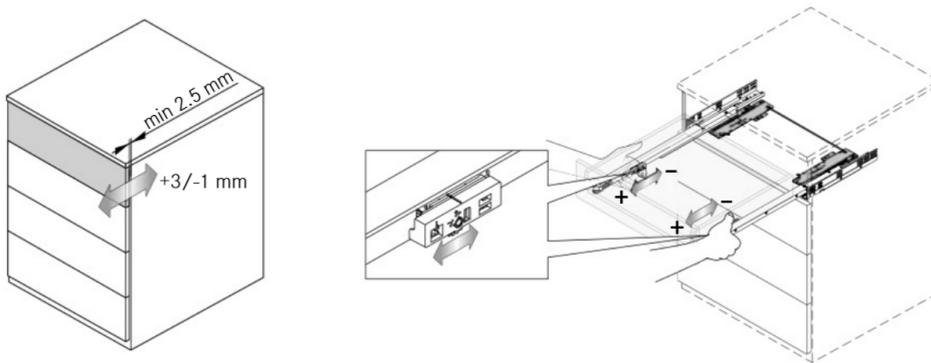


Installation and adjustment of drawers

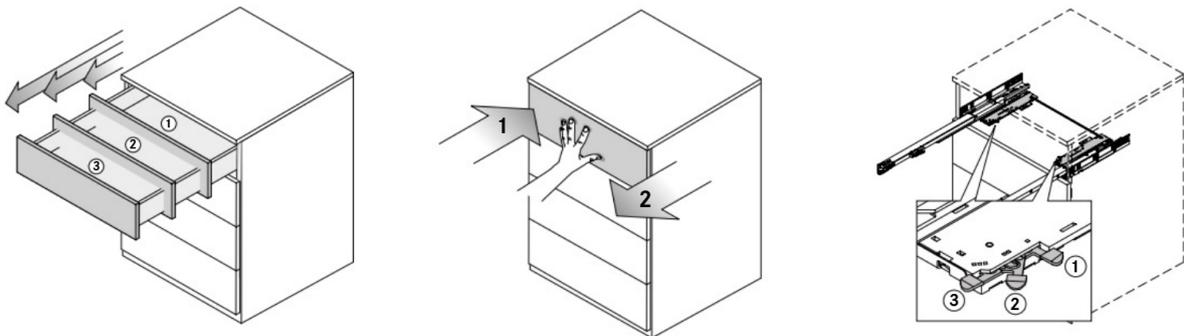
TIPMATIC ON DRAWERS

Tipmatic opens the drawer by pushing it outward with a light press on the drawer front. When using Tipmatic, a gap of at least 2.5 mm between the drawer front and the unit frame is required.

Adjacent side-hinged doors must be fitted with push-out or spring-loaded spacer pins to ensure they align at the same depth from the unit frame.



Adjustment of front clearance. Activation of the push-to-open function depends on the gap between the unit frame and the drawer front and is factory-set to 4.5 mm. Adjustment is possible on both sides (2 clicks = approx. 1 mm).



Adjustment of Tipmatic opening force. The opening force is adjusted in three stages directly on the unit—turn the selector to the desired force setting.

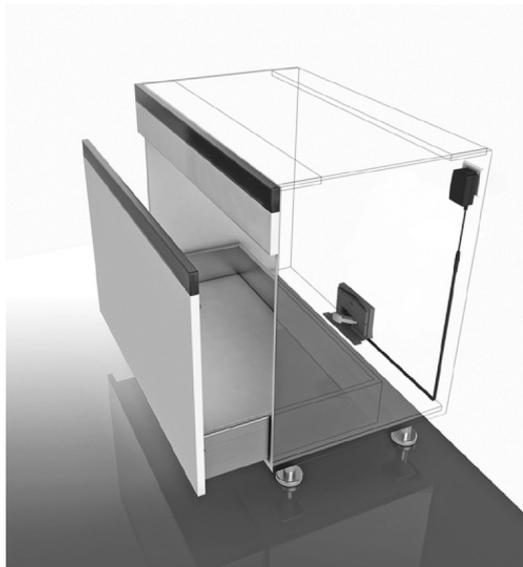
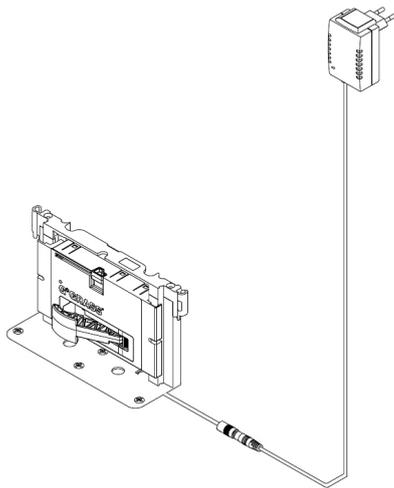
SENSOMATIC ON DRAWERS

With Sensomatic, the drawer opens by lightly pressing the drawer front, activating an electric opening mechanism. The electric opening system is factory-installed.

When using Sensomatic, there will be a 4 mm gap between the unit frame and the drawer front. Adjacent side-hinged doors must be fitted with push-out or spring-loaded spacer pins to ensure they align at the same depth from the unit frame.



Spacer pin installed on the drawer. Spring-loaded spacer pins are used on adjacent doors to ensure the same clearance from the unit frame.



Driver holder for Sensomatic.

WORKTOPS

GENERAL INFORMATION ABOUT WORKTOPS

Worktops are supplied in a wide range of materials and finishes. Carefully read the installation and care instructions supplied with the worktops. Joints between different worktop materials must be sealed with silicone or another elastic and durable sealant. This also applies where the worktop meets other materials.



- Worktops must always be installed according to the manufacturer's instructions.
- Use glue sparingly. Keep in mind that the worktops may need to be dismantled.

Worktops installed above dishwashers and near hobs must be protected from moisture and heat. The necessary protective foil and tape are normally supplied with the worktop or the appliance.

All types of worktops require varying degrees of maintenance. Carefully follow the care instructions provided by the respective supplier.

Laminate worktops

If laminate worktops in long lengths must be joined, ensure that the joints are not positioned near water sources.

Stone worktops

When installing stone worktops, it is essential that the base units are level and have a completely flat upper surface. Stone worktops that are not fully supported may crack. Secure the worktops according to the supplier's instructions.

Wood worktops

Wood worktops expand and contract with seasonal changes and must be secured according to the manufacturer's instructions. Failure to do so may result in cracking or warping.

Stainless steel worktops

Stainless steel sink and hob worktops are normally mounted on a stable fibreboard backing. Secure them using screws and steel brackets according to the manufacturer's instructions.



Seal joint between wood worktop and adjoining stainless steel sink.



Split cut-out for a hob installed in a stone worktop. Note the joints between the front and rear strips and the surrounding worktops. All worktops must be sealed at the rear and sides to prevent moisture ingress.

