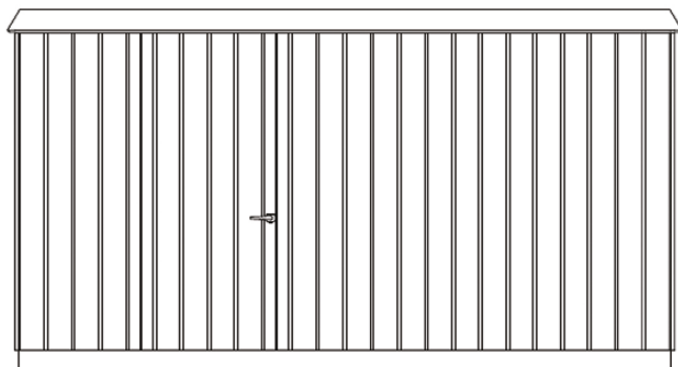
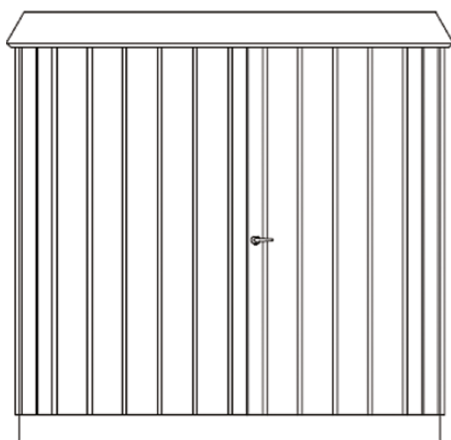


Energy supply / Transformer station

Transformer station – General info

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Illustration:



Description

The transformer station is constructed on a frame of profile tubes which are then clad with profiled zinc magnesium sheets. The frames are reinforced with angle brackets on both sides of the doors. The roof is constructed as a double roof with internal gutters at the joints. The inside roof traps any condensation that may form should the roof joints leak, and the gutters then channel it away and out. All transformer stations are supplied with a removable roof as standard. The transformer station is supplied ready to use with a padlock, and can be customized according to the client's wishes. Our foundation has been calculated as per DS/EN 1992-1-1.

Materials

Frame: Sq. tube frame 25x25x3 mm.
Sides: Zinc magnesium sheet 1.25 mm.
Roof: Zinc magnesium sheet 1.50 mm.
Foundation moisture barrier: Galvanized plate, 3 mm.
Foundation: It is constructed of fiber-reinforced concrete with a central reinforcing Y-bar of 6x100x100.

Color

Is supplied painted in Green URKI-TEXT 1042 (textured paint) as standard. Can also be supplied in the color of your choice from the RAL color chart.

Ventilation

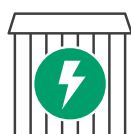
Natural ventilation as standard.
Option: Forced ventilation using a fan and ventilation grille.

Standard surface treatment

Frame, foundation and hot-dip, galvanised zinc moisture barrier as per DS/EN 1461. Sides and roof: Zinc magnesium sheets as per DS/EN 10364
Exterior cabinet painted in: C4-H as per DS/EN 12944.

Options

Exterior of cabinet painted in: C5-H as per DS/EN 12944.



Energy supply / Transformer station

Transformer station – 200 kVA

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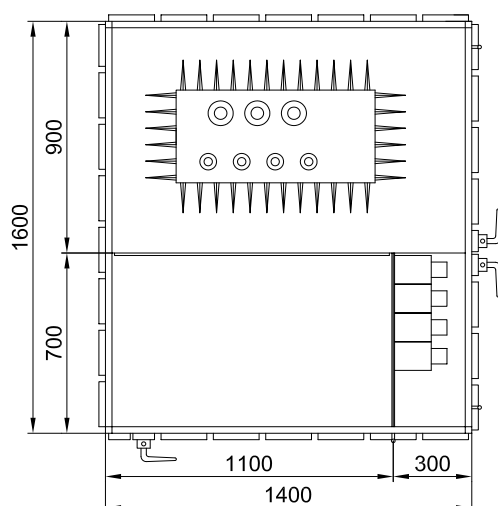
Type	Item no.	Description	Length mm	Width mm	Height mm
200 kVA	64100010	Station	1600	1400	1500
		MV door opening		980	1450
		LV door opening		580	1450
		Transformer room	1350	850	1675
	64180008	Foundation	1595	1395	200
		Oil spill pit, approx. 110 L	1200	760	120

LV Assembly	Size
Low voltage switchboard	Up to 5 modules Low voltage switchboard
MV Assembly	Size

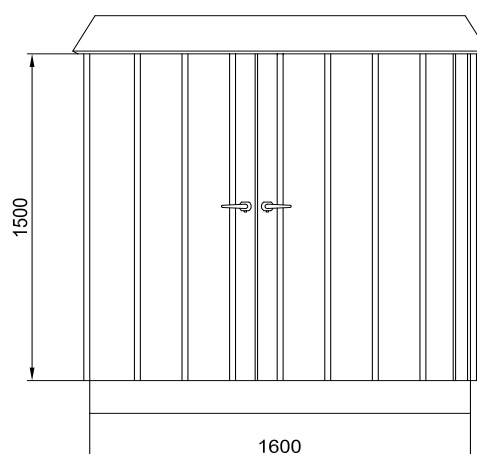
Switchgear

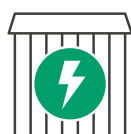
Space for isolation switch or Magnefix switchgear
W: 980 mm

Overview:



200 kVA transformer station:





Energy supply / Transformer station

Transformer station – 400 kVA

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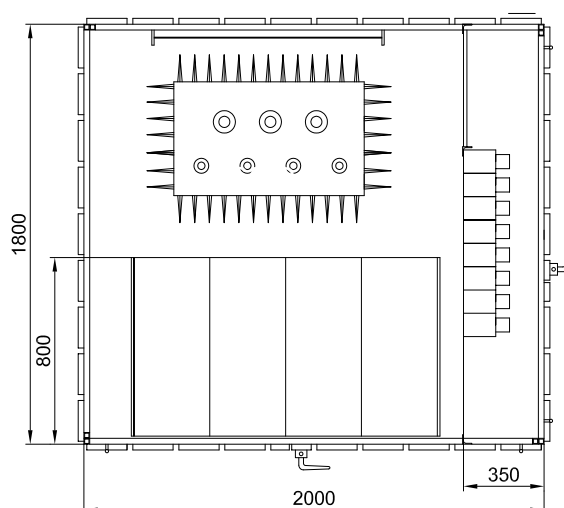
Type	Item no.	Description	Length mm	Width mm	Height mm
400 kVA	64100236	Station	2000	1800	1750
		MV door opening		1530	1700
		LV door opening		1500	1700
		Transformer room	1600	950	1925
	64180236	Foundation	1995	1795	200
		Oil spill pit, approx. 135 L	1400	800	120

LV Assembly	Size
Low voltage switchboard	Up to 10 modules Low voltage switchboard
MV Assembly	Size

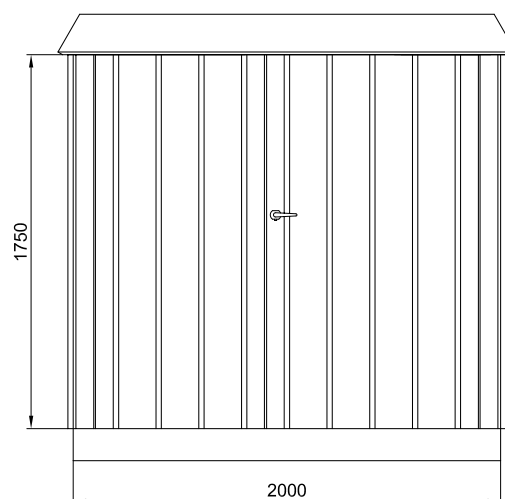
Switchgear

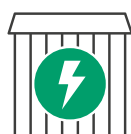
Space for one metal-enclosed switchgear and controlgear.
W: 1530 mm

Overview:



400 kVA transformer station:





Energy supply / Transformer station

Transformer station – 630 kVA

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Type	Itemno.	Description	Lenght mm	Width mm	Height mm
630 kVA	64100025	Station	2200		1750
		MV door opening		1730	1700
		LV door opening		1760	1700
		Transformer room	1800	1150	1925
	64180236	Foundation	2195	1995	200
		Oil spill pit, approx. 165 L	1600	850	120

LV Assembly

Size

Low voltage switchboard

Up to 12 modules
Low voltage switchboard

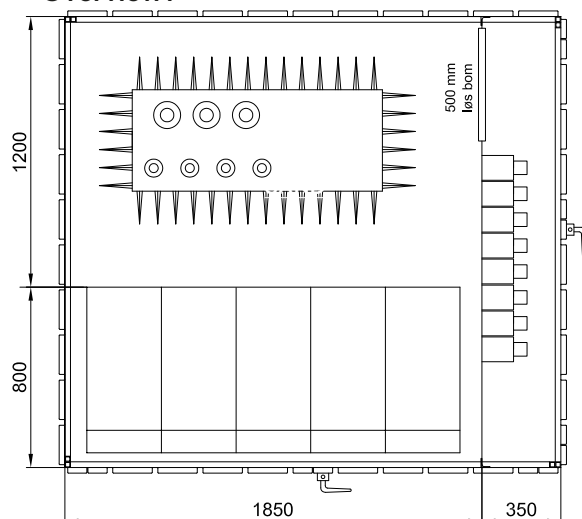
MV Assembly

Size

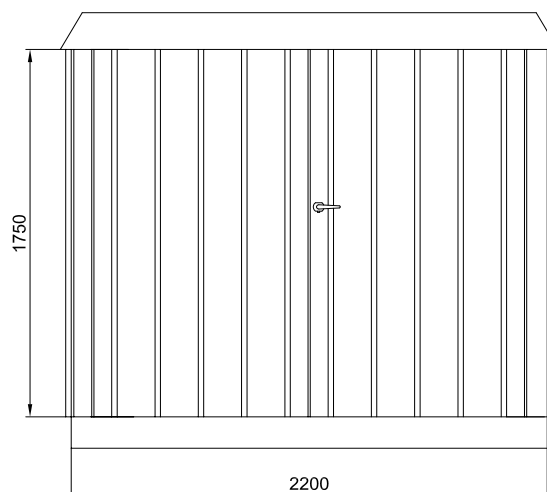
Switchgear

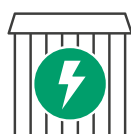
Space for one metal-enclosed switchgear
and controlgear.
W: 1730 mm

Overview:



630 kVA transformer station:





Energy supply/Transformer station

Transformer station – 800/1000 kVA

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Type	Itemno.	Description	Lenght mm	Width mm	Height mm
800/1000 kVA	64101060	Station	2400	2400	2200
		MV door opening		1780	2150
		LV door opening		2160	2150
		Transformer room	1950	1550	2255
	64181060	Foundation	2395	2395	150

LV Assembly

Size

Low voltage switchboard

Up to 18 modules
Low voltage switchboard

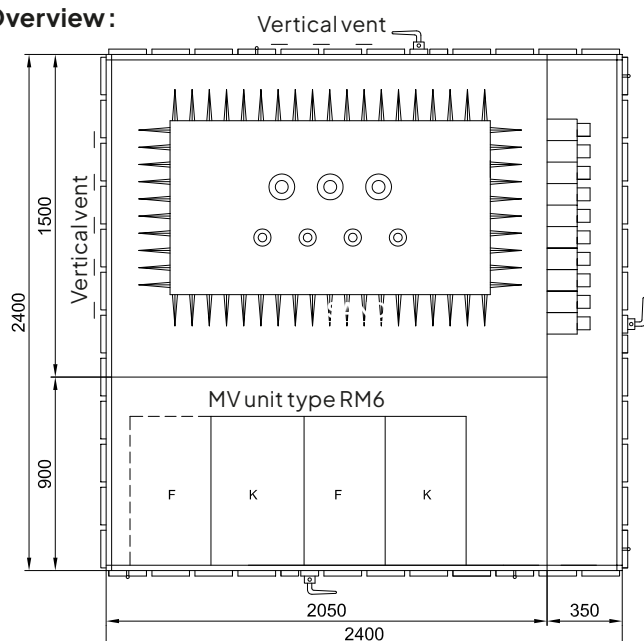
MV Assembly

Size

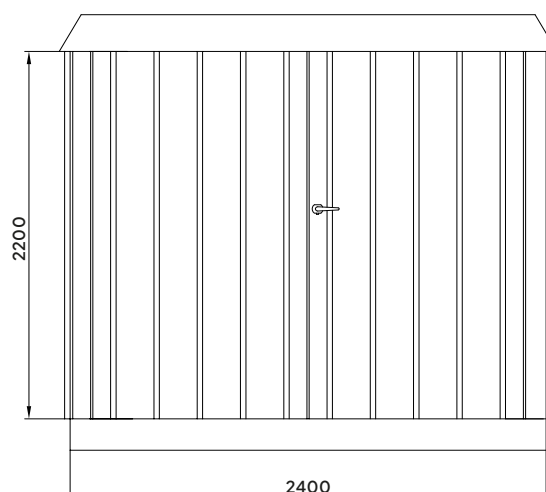
Switchgear

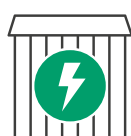
Space for one metal-enclosed switchgear
and controlgear.
W: 1780 mm

Overview:



800/1000 kVA transformer station:





Energy supply / Transformer station

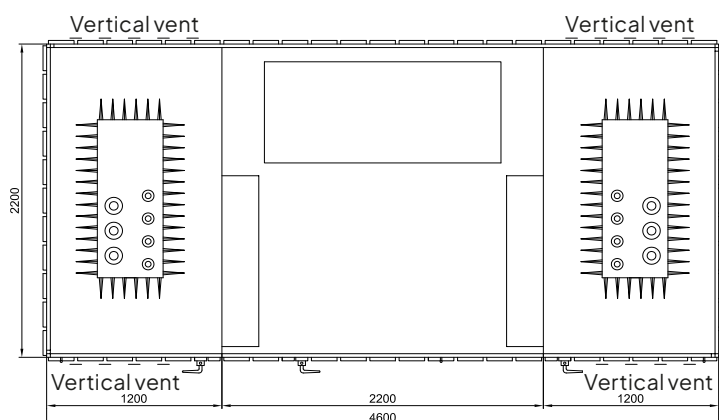
Transformer station – 2 x 630 kVA

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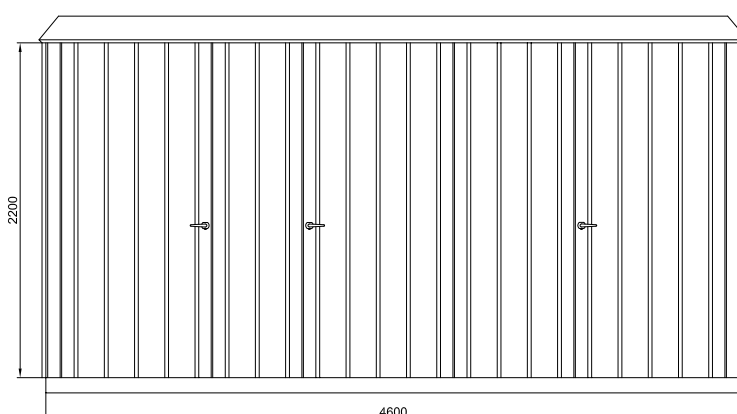
Type	Item no.	Description	Length mm	Width mm	Height mm
2 x 630 kVA	64101140	Station	4600	2200	2200
		Transformer room	2150	1150	2175
	64181140	Foundation	4595	2195	150

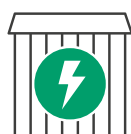
LV Assembly	Size
Low voltage switchboard	Up to 2x 12 modules Low voltage switchboard
MV Assembly	Size
Switchgear	Space for one metal-enclosed switchgear and controlgear. W: 1600 mm

Overview:



2 x 630 kVA transformer station:





Energy supply / Transformer station

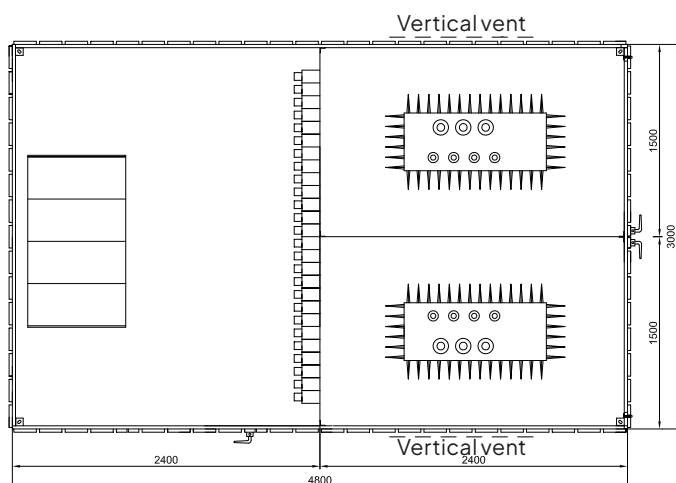
Transformer station – 2 x 1250 kVA

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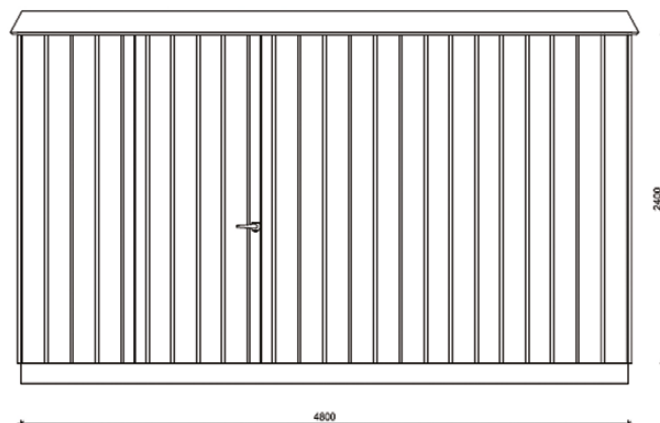
Type	Item no.	Description	Length mm	Width mm	Height mm
2 x 1250 kVA	64101160	Station	4800	3000	2400
		Transformer room	2350	1450	2375
	64181160	Foundation	4795	2995	150

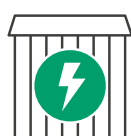
LV Assembly	Size
Low voltage switchboard	Up to 2x 14 modules Low voltage switchboard
MV Assembly	Size
Switchgear	Space for one metal-enclosed switchgear and controlgear. W: 2600 mm

Overview:



2 x 1250 kVA transformer station:



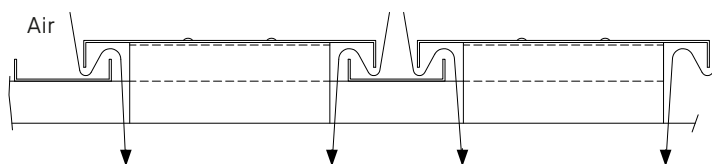


Energy supply / Transformer station

Ventilation

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Ventilation in the side – oblong holes up along each profile.



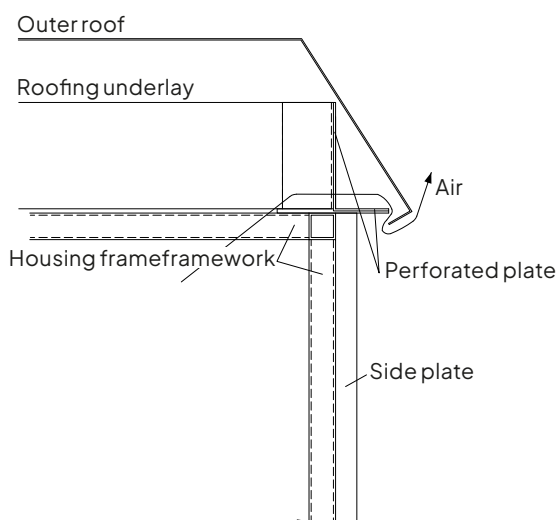
Ventilation

Transformer stations with a rating above 200kVA have natural ventilation in the roof. The heat is channeled through the perforated sheet and then out under the overhang.

If ventilation is done from the side, oblong holes are drilled up along each profile. A protective plate on the back makes the solution safe when plugging in. As a rule, ventilation is done via the side plates if the transformer is 1000kVA or larger.

We are able to supply units with forced ventilation using a fan and ventilation grille.

Roof ventilation – standard in transformer stations larger than 200kVA



Ventilation in the side plates

