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## SE 5830.680

# VX SE free-standing enclosure system

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FRIEDHELM LOH GROUP



# SE 5830.680 - VX SE free-standing enclosure system

## IP 66/NEMA 4

Free-standing sheet steel enclosure with stable enclosure body, two integral mounting levels, screw-fastened rear panel and door. Roof and sides from a single piece with roll-formed frame. Fully compatible with the VX25 baying system. Efficiency is enhanced, as the side panels no longer need to be fitted. Increased protection with IP 66 / NEMA 4.



## Features

|                |                                                                                                                                                                                       |
|----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Model No.      | SE 5830.680                                                                                                                                                                           |
| Material       | Enclosure: Sheet steel 1.5 mm<br>Door: Sheet steel, 2.0 mm<br>Rear panel: Sheet steel, 1.5 mm<br>Base: sheet steel, 1.5 mm<br>Mounting plate: Sheet steel, 3.0 mm                     |
| Surface finish | Enclosure, door and rear panel: dipcoat-primed, powder-coated on the outside, textured paint<br>Mounting plate: Zinc-plated<br>Base: Dipcoat-primed and powder-coated, textured paint |
| Colour         | RAL 7035                                                                                                                                                                              |

# Features

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|-----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Supply includes                   | Enclosure, solid top and sides<br>Door(s)<br>Door hinged on the right, may be swapped to the left<br>Mounting plate<br>Base, gland plate(s)<br>Rear panel, detachable<br>Lock: 3 mm double-bit<br>2 punched rails 18 x 39 mm |
| Dimensions                        | Width: 600 mm<br>Height: 1,800 mm<br>Depth: 400 mm                                                                                                                                                                           |
| Dimensions mounting plate (W x H) | 499 mm x 1,696 mm                                                                                                                                                                                                            |
| Protection category to IEC 60 529 | IP 66                                                                                                                                                                                                                        |
| Protection category NEMA          | NEMA 4                                                                                                                                                                                                                       |
| Type rating to UL 50E             | Type 1<br>Type 2<br>Type 3<br>Type 3R<br>Type 4<br>Type 12                                                                                                                                                                   |
| IK Code                           | IK10                                                                                                                                                                                                                         |
| Number of doors                   | 1                                                                                                                                                                                                                            |
| Basic material                    | Sheet steel                                                                                                                                                                                                                  |
| Packs of                          | 1 pc(s).                                                                                                                                                                                                                     |
| Net weight                        | 100.5 kg                                                                                                                                                                                                                     |
| Gross weight                      | 103.6 kg                                                                                                                                                                                                                     |
| PCF per pack (cradle-to-gate)     | 299.51 kg CO2 eq (Cat B)                                                                                                                                                                                                     |
| Note on PCF category              | Category B: PCF value (cradle-to-gate) based on the product weight, approximately calculated and self-declared                                                                                                               |
| Customs tariff number             | 94032080                                                                                                                                                                                                                     |
| ETIM 9                            | EC000261                                                                                                                                                                                                                     |

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# Features

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|------------|----------|
| ECLASS 8.0 | 27180101 |
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|---------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| Product description | VX SE Free-standing enclosure system, WHD: 600x1800x400 mm, Sheet steel, IP66 / NEMA 4, with mounting plate, single door at the front |
|---------------------|---------------------------------------------------------------------------------------------------------------------------------------|

# Approvals

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|           |                    |
|-----------|--------------------|
| Approvals | UL + C-UL (listed) |
|-----------|--------------------|

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|              |                                       |
|--------------|---------------------------------------|
| Certificates | Surface finish<br>Protection category |
|--------------|---------------------------------------|

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|              |                                                                              |
|--------------|------------------------------------------------------------------------------|
| Explanations | Declaration of conformity<br>Declaration of conformity UK<br>PCF-declaration |
|--------------|------------------------------------------------------------------------------|

# Tender text

Schaltschrank (Freestanding-Enclosure VX SE IP 66/NEMA 4)

Control cabinet for individual installation in self-supporting integral construction, consisting of basic body, door, rear panel and closed gland plate. Basic corpus made of profiled side panels and roof. Housing profile with system perforation in 25 mm DIN dimensional grid. Vertical profiles, as well as front and rear roof frame profile with two mounting levels for space-saving interior installation. Rear panel screw-fixed, Welded-in base assembly, consisting of floor frame and bottom plate with screw-fixed gland plates, Right hinged door.

Door:

with horizontal double foamed seal, with removable square tube frame with perforation in

DIN dimension grid of 25 mm, locking-rod quadruple locked, double-bit insert according to DIN 43668, hinges right hinged, changeable, with captive hinge pins, door opening angle 130° according to VDI, retrofittable to 180°, automatic potential equalization to the housing body.

Bottom plate:

One-piece base plate with gland plate, removable and exchangeable, mounted, automatic potential equalization to the housing body.

Rear panel:

with foamed seal, screwed, with square tube frame for additional reinforcement, automatic potential equalization to the housing body.

Mounting plate:

C-edged side, depth-adjustable in 25 mm grid via integrated plastic sliding pieces and reusable mounting rails.

Including mounting grid for simple positioning of components.

Material:

Housing corpus, rear panel, roof, base: 1.5 mm sheet steel

Door: 2 mm sheet steel

Mounting plate: 3 mm sheet steel

Surface finish:

Triple treatment of the surface for corrosion protection and resistance to mineral oils, lubricants,

Processing emulsions and solvents: nanoceramics coating, electrophoresis dip primer,

exterior surfaces powder-coated in RAL 7035 texture.

Mounting plate: galvanized

Floor: dip-primed and powder-coated, textured paint

Protection class according to IEC 60 529: IP 66

Protection class according to UL 508A: Type 4, 3R

Impact protection according to IEC 62 262: IK10

Dimensions (W x H x D): 600x1800x400 mm