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## SE 5830.600

## VX SE free-standing enclosure system

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FRIEDHELM LOH GROUP



# SE 5830.600 - VX SE free-standing enclosure system

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. System-compatible for configuration with VX25 accessories. Efficiency is enhanced, as the side panels no longer need to be fitted and large enclosure widths replace small bayed suites.



## Features

|                |                                                                                                                                                                           |
|----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Model No.      | SE 5830.600                                                                                                                                                               |
| Material       | Enclosure: Sheet steel 1.5 mm<br>Door: Sheet steel, 2.0 mm<br>Rear panel: Sheet steel, 1.5 mm<br>Gland plates: 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 and gland plates: Zinc-plated                              |
| Colour         | RAL 7035                                                                                                                                                                  |

# Features

|                                   |                                                                                                                                                                                                                                                                      |
|-----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Supply includes                   | Enclosure, solid top and sides<br>Door(s)<br>R/h door hinge with single-door enclosures, may be swapped to opposite side<br>Mounting plate<br>Gland plates<br>Rear panel, detachable<br>Lock: 3 mm double-bit<br>2 punched rails 18 x 39 mm<br>Rear panel, one-piece |
| 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 55                                                                                                                                                                                                                                                                |
| Protection category NEMA          | NEMA 3R<br>NEMA 12                                                                                                                                                                                                                                                   |
| Type rating to UL 50E             | Type 1<br>Type 2<br>Type 3<br>Type 3R<br>Type 12                                                                                                                                                                                                                     |
| IK Code                           | IK10                                                                                                                                                                                                                                                                 |
| Number of doors                   | 1                                                                                                                                                                                                                                                                    |
| Basic material                    | Sheet steel                                                                                                                                                                                                                                                          |
| Packs of                          | 1 pc(s).                                                                                                                                                                                                                                                             |
| Net weight                        | 96.39 kg                                                                                                                                                                                                                                                             |
| Gross weight                      | 97.4 kg                                                                                                                                                                                                                                                              |
| PCF per pack (cradle-to-gate)     | 283.54 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                                                                                                                                                                                                                                                             |

# Features

|                     |                                                                                                                        |
|---------------------|------------------------------------------------------------------------------------------------------------------------|
| ETIM 9              | EC000261                                                                                                               |
| ETIM 8              | EC000261                                                                                                               |
| ECLASS 8.0          | 27180101                                                                                                               |
| Product description | VX SE free-standing enclosure system, WHD: 600x1800x400 mm, sheet steel, with mounting plate, single door at the front |

# Approvals

|              |                                                                              |
|--------------|------------------------------------------------------------------------------|
| Approvals    | UL + C-UL (listed)                                                           |
| Certificates | Surface finish<br>Protection category                                        |
| Explanations | Declaration of conformity<br>Declaration of conformity UK<br>PCF-declaration |

# Tender text

Enclosure (System Enclosure VX SE, sheet steel)

Control cabinet for individual installation in integral construction, consisting of basic body, door, rear wall and base assembly. Basic body made of profiled side walls 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 system expansion. Rear panel screwed, base assembly welded in, consisting of base frame and multiple divided gland plates, door hinged on the right.  
Door:  
with horizontal double foamed PU seal, with removable tubular doorframe with perforation in

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

Gland plates:

3-part, removable and exchangeable, mounted,  
automatic potential equalisation to the  
housing body.

Rear panel:

with foamed PU seal, screwed, automatic  
potential equalisation to the housing body.

Mounting plate:

C-edged at the sides, via integrated plastic gliders  
and mounting rails, depth adjustable in  
grid of 25 mm. Including mounting grid for simplification  
the positioning of components.

Material:

Body, rear panel, top, bottom panels: 1.5 mm sheet steel  
door: 2 mm sheet steel

mounting plate: 3 mm sheet steel

Surface finish:

Triple surface treatment for corrosion protection  
and resistance to mineral oils, lubricants,  
processing emulsions and solvents, nanoceramics  
coating, electrophoresis dip primer,  
outer surfaces powder coated in RAL 7035 texture.

mounting plate and gland plates: galvanised

Protection class:

IP 55 according to IEC 60 529

protection class to UL 508A: Type 12, 3R

Impact protection to IEC 62 262: IK10

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