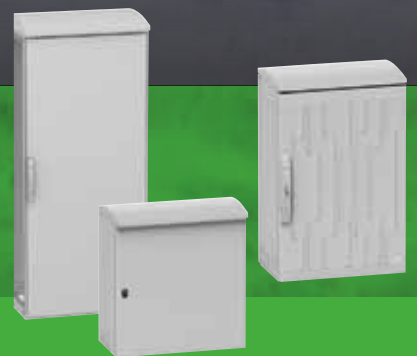




# Outdoor Heavy duty enclosures catalogue

Toughest outdoor environments get their dedicated enclosures



[schneider-electric.com](https://schneider-electric.com)

Life Is On

**Schneider**  
Electric

*More and more projects of electrical switchboards and control panels involve an installation outdoor. Sometimes in the toughest outdoor environments.*

# Outdoor installation: enclosure's choice is crucial!

Choosing the right outdoor enclosure is a real stake for panel builders, installers and their customers.

**This is a crucial and a complex choice that involves much more than only weather conditions.**

Many other essential parameters like potential human interactions, risk of vandalism, installation, ability of the enclosure to be discreet... must be taken into account.

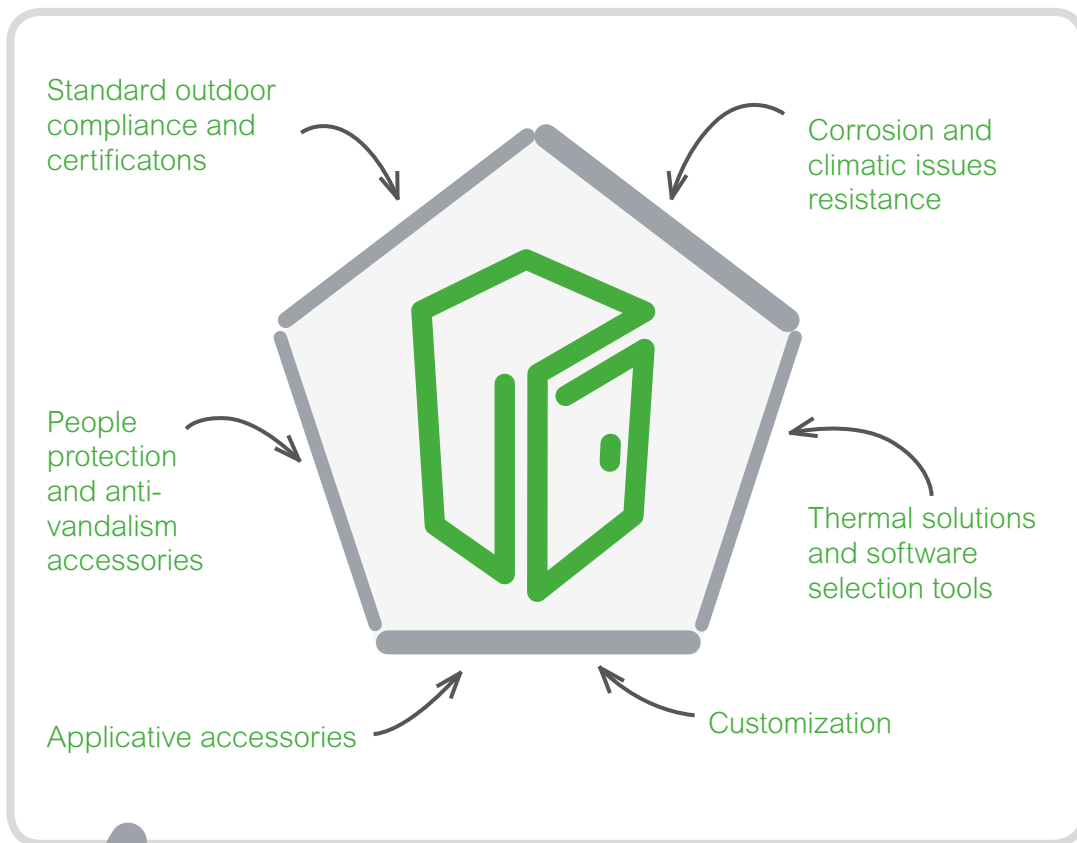
# 'Resist'

Concept by Schneider Electric:

## No outdoor parameter has been forgotten!

To make easier and safer the selection of the outdoor enclosure system, Schneider Electric has developed an outdoor Heavy Duty enclosures offer based on a global and unique design: the "Resist" concept.

The "Resist" concept gathers all parameters that must take into account in the selection of an outdoor enclosure system. Even those we sometimes forget.



## 'Resist':

The best way to avoid errors during enclosure's choice!

- A full Heavy Duty outdoor approach
- Enclosures tested and certified for toughest conditions
- Enclosures tested and certified for human interactions
- Continuity of service and long-lasting installation
- Energy efficiency solutions

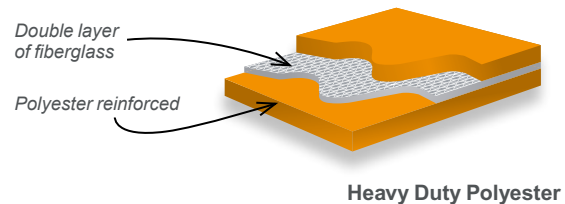
# Outdoor Heavy Duty enclosures offer

Tailored for the harshest outdoor conditions

## High resistance materials

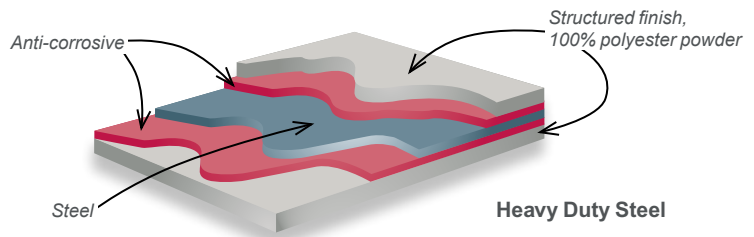
### Heavy Duty polyester solution

- Polyester reinforced with a double layer of fiberglass
- RAL 7035 grey
- Ingress protection rating according to IEC 60529:
  - IP65 for wall-mounting enclosures
  - IP55 for floor-standing enclosures
- Mechanical protection rating according to IEC 62262: IK10
- Pressure and shock resistant according to IEC 61439-5
- Fire resistant according to EN 1794-2



### Heavy Duty steel solution

- Heavy Duty Steel with anti-corrosive coating
- RAL 7035 grey
- Ingress protection rating according to IEC 60529:
  - IP66 for wall-mounting enclosures
  - IP55 for floor-standing enclosures
- Mechanical protection rating according to IEC 62262: IK10



## Extended tests and standards approach

Outdoor Heavy Duty enclosures offer has been tested and certified for:

### Outdoor enclosure standards

- IEC 61969-3 (climatic, biological and chemical tests)
- IEC 60297-3-100 (installation of electronic equipment)
- IEC 62208 (empty enclosures)
- UL508



### Anti-corrosion

ISO12944 C4H

### Anti-vandalism

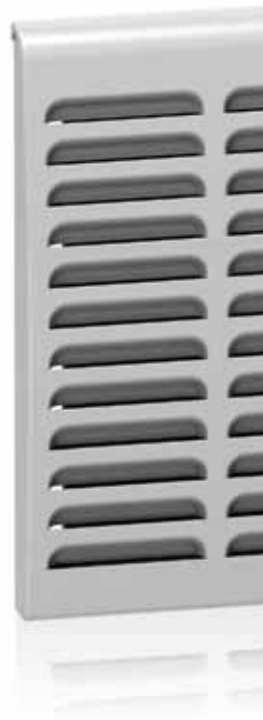
IEC 61439-5

### Anti-burglary

ENV 1627

### People safety

Electrical protection Class II, according to IEC 61439-1



# Innovative outdoor thermal solutions

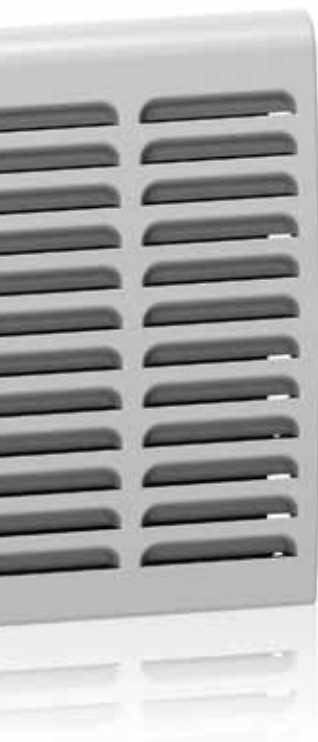


### Slim ventilation Fanbox

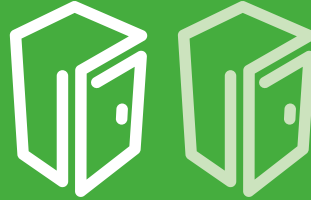
- Minimal depth inside (100 mm): 67% of installation space saving
- Maximal flow rate with IP55 G3 filter
- 230 V, 115 V and 48 VDC versions
- UL approved
- Centrifugal ventilation

### Slim IP55 HD Metal grille

- Minimal depth (35 mm)
- Optimised flow rate
- Anti-burglary accessory kit available (option)



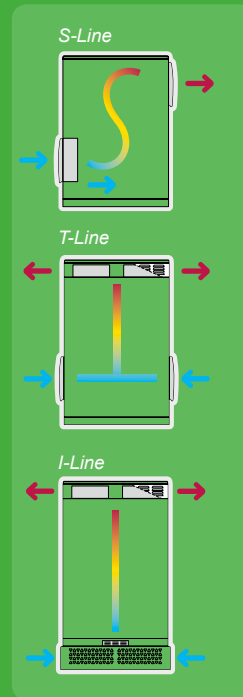
## Heavy duty multi-materials



Tested and certified to resist the toughest conditions



3 cooling architectures designed for your needs



Dedicated accessories to resist outdoor environments



# Polyester outdoor Heavy Duty enclosures

For public areas. Brings electrical safety, mechanical and chemical extreme resistance.



**+**

- Light material, easy to adapt
- Several colors available in customization
- High resistance and good behavior against weather elements
- People safety
- Anti-vandalism and anti-burglary solutions

**High resistance**

- Protection against sharp-edge objects impacts - IEC 61439-1
- IP65 for wall-mounting & IP55 for floor-standing enclosures
- High impact resistance (IK10)
- Fire resistant according to EN 1794-2

**High safety level**

- Electrical protection Class II, according to IEC 60950-1

**Anti-vandalism**

Internal fiber-glass ultra reinforced polyester (pressure and shock tests according to IEC 61439-5)

**Anti-posting**

Two versions as standard

- Plain door + plain back panel
- Anti-posting door + anti-posting back panel

**Suitable for... Public areas**

Road, rail transportation, harbours, Electricity public distribution, Telecom, Video control, Drinking water pumping.



### Advanced configuration as standard

- Curved canopy to avoid water stagnation
- Metal parts protected against corrosion
- Locking system with key (1242E type) and padlock possibility
- Aluminium cable gland plate to easily drill holes and avoid corrosion (not on wall-mounting)
- Door retainer to keep the door open even with strong wind or when a vehicle passes by
- Document pocket to stock your documents in a practical place

### Flexible thermal architectures

- Ventilation can be integrated in roof or side
- 3 predesigned outdoor cooling architectures

### A full range of dedicated accessories



- Anti-burglary accessory tested and certified according to ENV 1627
- 19" support
- Ventilated plinths
- Roof ventilation module
- Lifting and fixing accessories

### Ready to be lifted

- Maximum transportable load up to 500 kg

*Prolonged exposure to UV radiation, wind and rain can cause changes in the enclosure without affecting the technical properties according to IEC 62208. For long exposure applications, it is recommended to use coloured enclosures available through the P & S offer.*



## How to choose the right outdoor Heavy Duty enclosures:

Let the experts drive you through!

### Take into account...

#### Weather conditions

- Rain
- Cold (up to -45°C)
- Heat (up to 80°C)
- Sun radiation (UV)
- Climatic event (storm, snow, freeze...)
- Humidity (up to 95%)
- ...



#### Installation constraints

- Equipment
- Installation
- Maintenance operations



#### Potential human interactions

- Linked to people (billboarding, burglary, vandalism)
- Linked to installation (aesthetics, access control, noise pollutions)

### Do not forget...

Polyester is a better heat insulating material than metal or aluminium, which conduct heat.

Efficient thermal management maximizes the performance and the service life of the electrical and electronic equipment.

# Steel outdoor Heavy Duty enclosures

For private areas. Best-in-class solution for the most corrosive environments



**Special protection coating**

**Heavy Duty accessories**

**Extreme resistance against corrosive and wet atmospheres**

## High resistance

- Anti-corrosive coating (certified C4H ISO12944)
- Anti-corrosion coating for all external metal parts
- Sun radiation protection (Colour: RAL 7035 grey)
- IP66 for wall-mounting & IP55 for floor-standing enclosures
- High impact resistance (IK10)

## Flexible thermal architectures

- Ventilation can be integrated in roof or side
- 3 predesigned outdoor cooling architectures

### Suitable for... Private areas

*Tunnels, Airports,  
Renewables (Solar farms...)  
Mining, Oil & gas...  
Water distribution & treatment...*





## Advanced configuration as standard

### Spacial SF Heavy Duty range

- Curved canopy to avoid water stagnation
- Metal parts protected against corrosion
- Locking system with key (1242E type) and padlock possibility
- Aluminium cable gland plate to easily drill holes and avoid corrosion
- Door retainer to keep the door open even with strong wind or when a vehicle passes by
- Document pocket to stock your documents in a practical place

### Spacial S3D Heavy Duty range

- Curved canopy to avoid water stagnation
- Locking system with metal key in 3-mm double bar lock
- Aluminium cable gland plate to easily drill holes and avoid corrosion
- Door retainer to keep the door open even with strong wind or when a vehicle passes by
- Document pocket to stock your documents in a practical place



### Range of accessories compatible with standard offer

- 19" support up to 2 m high
- Ventilated stainless-steel plinths
- Roof ventilation module
- Lifting and fixing accessories

## Ready to be lifted

- Maximum transportable load up to 1000 kg (for SFHD)



# How to choose the right outdoor Heavy Duty enclosures:

Let the experts drive you through!

## Take into account...

### Weather conditions

- Rain
- Cold (up to -45°C)
- Heat (up to 80°C)
- Sun radiation (UV)
- Climatic event (storm, snow, freeze...)
- Humidity (up to 95%)
- ...



### Installation constraints

- Equipment
- Installation
- Maintenance operations



### Potential human interactions

- Linked to people (billboarding, burglary, vandalism)
- Linked to installation (aesthetics, access control, noise pollutions)

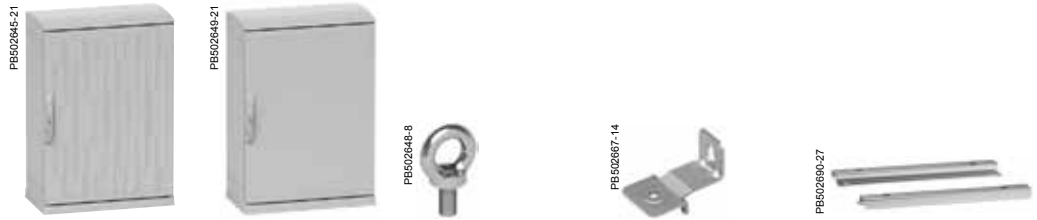




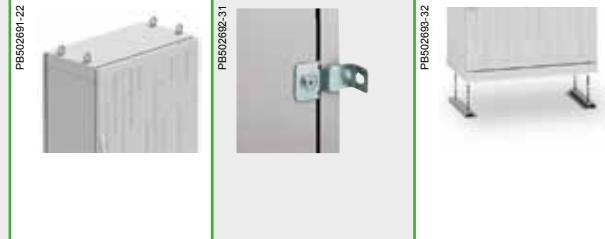
# Outdoor Heavy Duty enclosures

## References

# Polyester outdoor Heavy Duty enclosures



| Characteristics                 |            |            |              |               | Polyester enclosure |            | Eyebolts | Wall fixing accessory | Floor fixing kit |
|---------------------------------|------------|------------|--------------|---------------|---------------------|------------|----------|-----------------------|------------------|
|                                 |            |            |              |               | Anti-posting door   | Plain door |          |                       |                  |
| Supply                          |            |            |              |               | -                   | -          | 4        | 4                     | 1                |
| Height (mm)                     | Width (mm) | Depth (mm) | No. of doors | References    |                     |            |          |                       |                  |
| <b>Wall-mounting enclosure</b>  |            |            |              |               |                     |            |          |                       |                  |
| 538                             | 500        | 320        | 1            | NSYPHDT553    | NSYPHDT553P         | -          | NSYFMPHD | -                     |                  |
| 788                             | 500        | 320        | 1            | NSYPHDT753    | NSYPHDT753P         | -          | NSYFMPHD | -                     |                  |
| <b>Floor-standing enclosure</b> |            |            |              |               |                     |            |          |                       |                  |
| 843                             | 750        | 420        | 1            | NSYPHDZT774   | NSYPHDZT774P        | NSYPLHD    | -        | NSYMF2PLAZ4           |                  |
|                                 |            | 620        | 1            | NSYPHDZT776   | NSYPHDZT776P        | NSYPLHD    | -        | NSYMF2PLAZ6           |                  |
| 1093                            | 500        | 420        | 1            | NSYPHDZT1054  | NSYPHDZT1054P       | NSYPLHD    | -        | NSYMF2PLAZ4           |                  |
|                                 |            | 750        | 1            | NSYPHDZT1074  | NSYPHDZT1074P       | NSYPLHD    | -        | NSYMF2PLAZ4           |                  |
| 1343                            | 500        | 420        | 1            | NSYPHDZT1254  | NSYPHDZT1254P       | NSYPLHD    | -        | NSYMF2PLAZ4           |                  |
|                                 |            | 750        | 1            | NSYPHDZT1274  | NSYPHDZT1274P       | NSYPLHD    | -        | NSYMF2PLAZ4           |                  |
|                                 | 1250       | 620        | 1            | NSYPHDZT1276  | NSYPHDZT1276P       | NSYPLHD    | -        | NSYMF2PLAZ6           |                  |
|                                 |            | 420        | 2            | NSYPHDZT12124 | NSYPHDZT12124P      | NSYPLHD    | -        | NSYMF2PLAZ4           |                  |
| 1593                            | 750        | 620        | 2            | NSYPHDZT12126 | NSYPHDZT12126P      | NSYPLHD    | -        | NSYMF2PLAZ6           |                  |
|                                 |            | 420        | 1            | NSYPHDZT1574  | NSYPHDZT1574P       | NSYPLHD    | -        | NSYMF2PLAZ4           |                  |
|                                 | 1250       | 620        | 1            | NSYPHDZT1576  | NSYPHDZT1576P       | NSYPLHD    | -        | NSYMF2PLAZ6           |                  |
|                                 |            | 420        | 2            | NSYPHDZT15124 | NSYPHDZT15124P      | NSYPLHD    | -        | NSYMF2PLAZ4           |                  |
| 2093                            | 750        | 620        | 2            | NSYPHDZT15126 | NSYPHDZT15126P      | NSYPLHD    | -        | NSYMF2PLAZ6           |                  |
|                                 |            | 420        | 2 (1)        | NSYPHDZT2074  | NSYPHDZT2074P       | NSYPLHD    | -        | NSYMF2PLAZ4           |                  |



(1) Vertical doors.

**Note:** the accessories of the Thalassa PLA enclosure can be installed in the Thalassa PHD enclosure.

## This range can be configured according to your needs

4 different services available:



Assemble to order



Mounting of standard accessories



Painting



Machining

The customized solutions Configured or Specific types use existing ranges from Universal Enclosures standard offer as a base for its development.

Depending on the modifications made on the enclosures or accessories, they could affect the certification or declarations of conformity existing in the standard ranges.

The certifications and declarations of conformity needed for the solution must be defined early in the process as part of the offer specifications.



| Ventilated ZZ plinths 200 mm | ZZ plinth 200 mm | Roof ventilation module | Anti-burglary accessory | Internal door               |
|------------------------------|------------------|-------------------------|-------------------------|-----------------------------|
| 1                            | 1                | 1                       | 1                       | 1                           |
| -                            | -                | -                       | -                       | NSYPAPLA55G                 |
| -                            | -                | -                       | -                       | NSYPAPLA75G                 |
| NSYZZ274VHD                  | NSYZZ274G        | NSYPCVR74HD             | NSYBGN774HD             | NSYPAPLA77G                 |
| NSYZZ276VHD                  | NSYZZ276G        | NSYPCVR76HD             | NSYBGN776HD             | NSYPAPLA77G                 |
| NSYZZ254VHD                  | NSYZZ254G        | NSYPCVR54HD             | NSYBGN1054HD            | NSYPAPLA105G                |
| NSYZZ274VHD                  | NSYZZ274G        | NSYPCVR74HD             | NSYBGN1074HD            | NSYPAPLA107G                |
| NSYZZ254VHD                  | NSYZZ254G        | NSYPCVR54HD             | NSYBGN1254HD            | NSYPAPLA125G                |
| NSYZZ274VHD                  | NSYZZ274G        | NSYPCVR74HD             | NSYBGN1274HD            | NSYPAPLA127G                |
| NSYZZ276VHD                  | NSYZZ276G        | NSYPCVR76HD             | NSYBGN1276HD            | NSYPAPLA127G                |
| NSYZZ2124VHD                 | NSYZZ2124G       | NSYPCVR124HD            | NSYBGN12124HD           | NSYPAPLA125G + NSYPAPLA127G |
| NSYZZ2126VHD                 | NSYZZ2126G       | NSYPCVR126HD            | NSYBGN12126HD           | NSYPAPLA125G + NSYPAPLA127G |
| NSYZZ274VHD                  | NSYZZ274G        | NSYPCVR74HD             | NSYBGN1574HD            | NSYPAPLA157G                |
| NSYZZ276VHD                  | NSYZZ276G        | NSYPCVR76HD             | NSYBGN1576HD            | NSYPAPLA157G                |
| NSYZZ2124VHD                 | NSYZZ2124G       | NSYPCVR124HD            | NSYBGN15124HD           | NSYPAPLA155G + NSYPAPLA157G |
| NSYZZ2126VHD                 | NSYZZ2126G       | NSYPCVR126HD            | NSYBGN15126HD           | NSYPAPLA155G + NSYPAPLA157G |
| NSYZZ274VHD                  | NSYZZ274G        | NSYPCVR74HD             | NSYBGN2074HD            | -                           |
|                              |                  |                         |                         |                             |



**Advantages of the configured offer:**

- Possibility to choose the color to better be in harmony with the landscape
- Pre-installed thermal management devices
- Receive ready-to-be-installed, coupled enclosures.

# Polyester outdoor Heavy Duty enclosures

## Mounting accessories



| Characteristics                 |            |              | Metallic mounting plates   |                       | Insulating mounting plates | Modular distribution chassis           | 19" fixed chassis                                   |
|---------------------------------|------------|--------------|----------------------------|-----------------------|----------------------------|--|---|
| Height (mm)                     | Width (mm) | No. of doors | Plain steel                | Telequick             | Plain polyester            |  |   |
| <b>Wall-mounting enclosure</b>  |            |              |                            |                       |                            |  |   |
| 538                             | 500        | 1            | NSYPMM55                   | NSYPMR55              | NSYPMA55                   | -                                      | -   |
| 788                             | 500        | 1            | NSYPMM75                   | NSYPMR75              | NSYPMA75                   | NSYDLP76G                              | -   |
| <b>Floor-standing enclosure</b> |            |              |                            |                       |                            |  |   |
| 843                             | 750        | 1            | NSYPMM77                   | NSYPMR77              | NSYPMA77                   | NSYDLP132G <sup>(2)</sup>              | NSYBRF12PLAG + NSYSPLA75                            |
| 1093                            | 500        | 1            | NSYPMM105                  | NSYPMR105             | NSYPMA105                  | NSYDLP114G <sup>(2)</sup>              | -   |
|                                 | 750        | 1            | NSYPMM107                  | NSYPMR107             | NSYPMA107                  | NSYDLP198G <sup>(2)</sup>              | NSYBRF17PLAG + NSYSPLA100                           |
| 1343                            | 500        | 1            | NSYPMM125                  | NSYPMR125             | NSYPMA125                  | NSYDLP133G <sup>(2)</sup>              | -   |
|                                 | 750        | 1            | NSYPMM127                  | NSYPMR127             | NSYPMA127                  | NSYDLP231G <sup>(2)</sup>              | NSYBRF21PLAG + NSYSPLA125                           |
| 1593                            | 1250       | 2            | NSYPMM1212                 | NSYPMR125 + NSYPMR127 | NSYPMA1212                 | NSYDLP133G + NSYDLP231G <sup>(2)</sup> | NSYBRF21PLAG + NSYSPLA125 + NSYSBPLA <sup>(1)</sup> |
|                                 | 750        | 1            | NSYPMM157                  | NSYPMR157             | -                          | NSYDLP297G <sup>(2)</sup>              | NSYBRF26PLAG + NSYSPLA150                           |
| 2093                            | 1250       | 2            | NSYPMM1512                 | NSYPMR155 + NSYPMR157 | -                          | NSYDLP171G + NSYDLP297G <sup>(2)</sup> | NSYBRF26PLAG + NSYSPLA150 + NSYSBPLA <sup>(1)</sup> |
|                                 | 750        | 2            | NSYPMM207 or 2 x NSYPMM107 | 2 x NSYPMR107         | -                          | -                                      | 2 x NSYBRF17PLAG + 2 x NSYSPLA100 + NSYPTZ44        |

(1) Enclosures of 1250 mm width allow 19" rack on the 750mm width door side.  
 (2) Needs the adapters plates NSYPTZ\*\*\*. See table below.

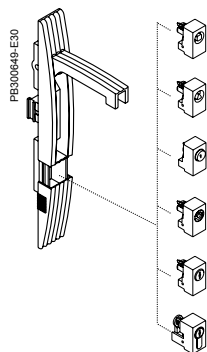


| Characteristics |            | Technical uprights |
|-----------------|------------|--------------------|
| Height (mm)     | Dimensions | References         |
| 788             | 625        | NSYTVR7            |
| 843             | 625        | NSYTVR7            |
| 1093            | 875        | NSYTVR10           |
| 1343            | 1125       | NSYTVR125          |
| 2093            | 1375       | NSYTVR15           |
|                 | 1875       | 2 x NSYTVR20       |

| Characteristics |              | Step slides  | Adapter plates* |
|-----------------|--------------|--------------|-----------------|
| Depth (mm)      | No. of doors | References   |                 |
| 320             | 1            | NSYDPLA3     | NSYPTZ3         |
|                 | 2            | 2 x NSYDPLA3 | NSYPTZ32P       |
| 420             | 1            | NSYDPLA4     | NSYPTZ4         |
|                 | 2            | 2 x NSYDPLA4 | NSYPTZ42P       |
| 620             | 1            | NSYDPLA6     | NSYPTZ6         |
|                 | 2            | 2 x NSYDPLA6 | NSYPTZ62P       |

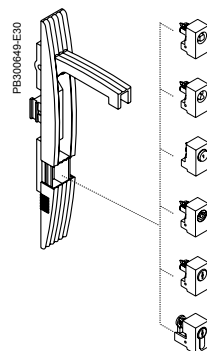
**Note:** enclosures with widths of 1000 and 1250 allow the installation of 4 uprights to integrate 2 mounting plates of 500 mm or of 500 and 750 mm.

\* To mount internal door, step slides, modular chassis.



### Blocks with insert shapes

| Descriptions      | References |
|-------------------|------------|
| Square 6 mm       | NSYINS61   |
| Triangular 6.5 mm | NSYINT61   |
| Triangular 8 mm   | NSYINT81   |



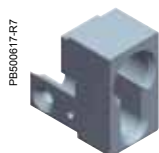
### Blocks with cylindrical barrels

| Descriptions | References  |
|--------------|-------------|
| Key 405 E    | NSYIN405E1  |
| Key 455      | NSYIN4551   |
| Key 1242 E   | NSYIN1242E1 |



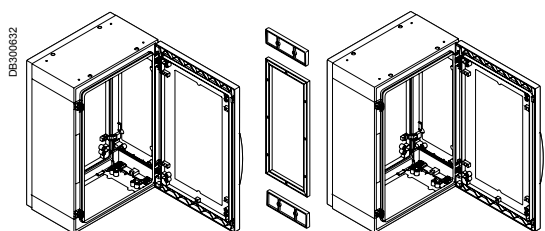
### Double bar

| Reference |
|-----------|
| NSYINDB51 |



### Blocks with semi-cylindrical

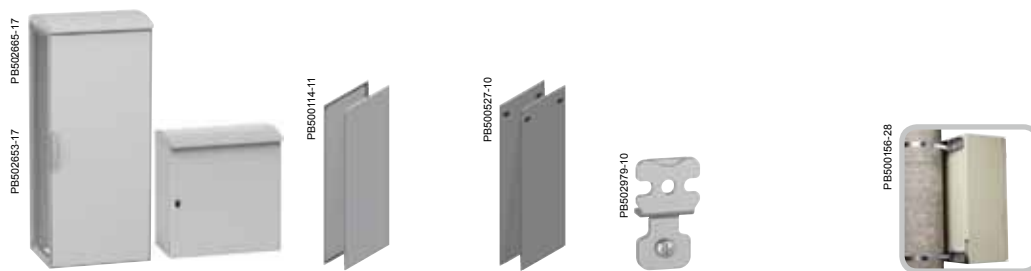
| Descriptions | References |
|--------------|------------|
| DIN Adapter  | NSYINDIN2  |



### Coupling kits for PHD

| Height (mm) | Horizontal   |              |              | Vertical |
|-------------|--------------|--------------|--------------|----------|
|             | Depth (mm)   |              |              |          |
|             | 320          | 420          | 620          |          |
| 538         | NSYMUPLA53G  | NSYMUPLA54G  | -            | NSYUVPLA |
| 788         | NSYMUPLA73G  | NSYMUPLA74G  | NSYMUPLA76G  |          |
| 843         | NSYMUPLA73G  | NSYMUPLA74G  | NSYMUPLA76G  |          |
| 1093        | NSYMUPLA103G | NSYMUPLA104G | -            |          |
| 1343        | NSYMUPLA123G | NSYMUPLA124G | NSYMUPLA126G |          |
| 1593        | NSYMUPLA153G | NSYMUPLA154G | NSYMUPLA156G |          |
| 2093        | -            | NSYMUPLA204G | -            |          |

# Steel outdoor Heavy Duty enclosures



| Characteristics                 |            |            | Steel enclosure | Side panels   |                 | Stainless steel wall fixing lugs                  | Heavy duty post-fixing device |
|---------------------------------|------------|------------|-----------------|---|-----------------|---|-------------------------------|
|                                 |            |            |                 | For floor-standing enclosures                         |                 | For wall-mounting enclosures                      |                               |
| Supply                          |            |            | -               | 2 side panels with fixing elements and sealing gasket |                 | Set of 4 wall-fixing lugs with fixings and gasket | 1                             |
| Height (mm)                     | Width (mm) | Depth (mm) |                 | External fixing                                       | Internal fixing |   |                               |
| <b>Wall-mounting enclosure</b>  |            |            |                 |   |                 |   |                               |
| 343                             | 200        | 180        | NSYS3HD3215     | -   | -               | NSYAEFPFXSC                                       | -                             |
| 448                             | 300        | 230        | NSYS3HD4320     | -   | -               | NSYAEFPFXSC                                       | NSYSFPSC30HD                  |
| 548                             | 400        | 230        | NSYS3HD5420     | -   | -               | NSYAEFPFXSC                                       | NSYSFPSC40HD                  |
| 653                             | 400        | 280        | NSYS3HD6425     | -   | -               | NSYAEFPFXSC                                       | NSYSFPSC40HD                  |
| 658                             | 600        | 330        | NSYS3HD6630     | -   | -               | NSYAEFPFXSC                                       | NSYSFPSC60HD                  |
| 753                             | 500        | 280        | NSYS3HD7525     | -   | -               | NSYAEFPFXSC                                       | NSYSFPSC50HD                  |
| 858                             | 600        | 330        | NSYS3HD8630     | -   | -               | NSYAEFPFXSC                                       | NSYSFPSC60HD                  |
| 862                             | 800        | 430        | NSYS3HD8840     | -   | -               | NSYAEFPFXSC                                       | NSYSFPSC80HD                  |
| 1062                            | 600        | 430        | NSYS3HD10640    | -   | -               | NSYAEFPFXSC                                       | NSYSFPSC60HD                  |
|                                 | 800        | 430        | NSYS3HD10840    | -   | -               | NSYAEFPFXSC                                       | NSYSFPSC80HD                  |
| <b>Floor-standing enclosure</b> |            |            |                 |   |                 |   |                               |
| 1262                            | 600        | 430        | NSYSFHD12640    | NSY2SPHD124   | NSY2SPIHD124    | -   | -                             |
|                                 | 800        | 430        | NSYSFHD12840    | NSY2SPHD124   | NSY2SPIHD124    | -   | -                             |
|                                 | 1200       | 430        | NSYSFHD1212402D | NSY2SPHD124   | NSY2SPIHD124    | -   | -                             |
| 1281                            | 600        | 630        | NSYSFHD12660    | NSY2SPHD126   | NSY2SPIHD126    | -   | -                             |
|                                 | 800        | 630        | NSYSFHD12860    | NSY2SPHD126   | NSY2SPIHD126    | -   | -                             |
|                                 | 1200       | 630        | NSYSFHD1212602D | NSY2SPHD126   | NSY2SPIHD126    | -   | -                             |
| 1662                            | 800        | 430        | NSYSFHD16840    | NSY2SPHD164   | NSY2SPIHD164    | -   | -                             |
|                                 | 1200       | 430        | NSYSFHD1612402D | NSY2SPHD164   | NSY2SPIHD164    | -   | -                             |
| 1681                            | 600        | 630        | NSYSFHD16660    | NSY2SPHD166   | NSY2SPIHD166    | -   | -                             |
|                                 | 800        | 630        | NSYSFHD16860    | NSY2SPHD166   | NSY2SPIHD166    | -   | -                             |
|                                 | 1200       | 630        | NSYSFHD1612602D | NSY2SPHD166   | NSY2SPIHD166    | -   | -                             |
| 2062                            | 800        | 430        | NSYSFHD20840    | NSY2SPHD204   | NSY2SPIHD204    | -   | -                             |

This range can be configured according to your needs

4 different services available:



Assemble to order



Mounting of standard accessories

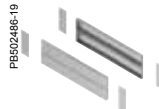
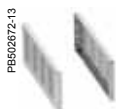


Painting



Machining





|  | Heavy duty padlock           | Stainless-steel plinths 200 mm |                |                    |               | Roof ventilation |
|--|------------------------------|--------------------------------|----------------|--------------------|---------------|------------------|
|  |                              | Ventilated plinths             |                | Standard plinths   |               |                  |
|  | For wall-mounting enclosures | Front and rear kit             | Lateral kit    | Front and rear kit | Lateral kit   |                  |
|  | 1                            | 1 kit                          | 1 kit          | 1 kit              | 1 kit         | 1                |
|  | NSYAEDLPADS3DHD              | -                              | -              | -                  | -             | -                |
|  | NSYAEDLPADS3DHD              | -                              | -              | -                  | -             | -                |
|  | NSYAEDLPADS3DHD              | -                              | -              | -                  | -             | -                |
|  | NSYAEDLPADS3DHD              | -                              | -              | -                  | -             | -                |
|  | NSYAEDLPADS3DHD              | NSYSPFVX6200                   | NSYSPLVX3200   | NSYSPFX6200        | NSYSPSX3200   | -                |
|  | NSYAEDLPADS3DHD              | -                              | -              | -                  | -             | -                |
|  | NSYAEDLPADS3DHD              | NSYSPFVX6200                   | NSYSPLVX3200   | NSYSPFX6200        | NSYSPSX3200   | -                |
|  | NSYAEDLPADS3DHD              | NSYSPFVX8200                   | NSYSPLVX4200   | NSYSPFX8200        | NSYSPSX4200   | NSYS3CVR84HD     |
|  | NSYAEDLPADS3DHD              | NSYSPFVX6200                   | NSYSPLVX4200   | NSYSPFX6200        | NSYSPSX4200   | NSYS3CVR64HD     |
|  | NSYAEDLPADS3DHD              | NSYSPFVX8200                   | NSYSPLVX4200   | NSYSPFX8200        | NSYSPSX4200   | NSYS3CVR84HD     |
|  | -                            | -                              | -              | NSYSPFX6200        | NSYSPSX4200SF | NSYSFCVR64HD     |
|  | -                            | NSYSPFVX8200                   | NSYSPLVX4200SF | NSYSPFX8200        | NSYSPSX4200SF | NSYSFCVR84HD     |
|  | -                            | NSYSPFVX12200                  | NSYSPLVX4200SF | NSYSPFX12200       | NSYSPSX4200SF | NSYSFCVR124HD    |
|  | -                            | NSYSPFVX6200                   | NSYSPLVX6200SF | NSYSPFX6200        | NSYSPSX6200SF | NSYSFCVR66HD     |
|  | -                            | NSYSPFVX8200                   | NSYSPLVX6200SF | NSYSPFX8200        | NSYSPSX6200SF | NSYSFCVR86HD     |
|  | -                            | NSYSPFVX12200                  | NSYSPLVX6200SF | NSYSPFX12200       | NSYSPSX6200SF | NSYSFCVR126HD    |
|  | -                            | NSYSPFVX8200                   | NSYSPLVX4200SF | NSYSPFX8200        | NSYSPSX4200SF | NSYSFCVR84HD     |
|  | -                            | NSYSPFVX12200                  | NSYSPLVX4200SF | NSYSPFX12200       | NSYSPSX4200SF | NSYSFCVR124HD    |
|  | -                            | NSYSPFVX6200                   | NSYSPLVX6200SF | NSYSPFX6200        | NSYSPSX6200SF | NSYSFCVR66HD     |
|  | -                            | NSYSPFVX8200                   | NSYSPLVX6200SF | NSYSPFX8200        | NSYSPSX6200SF | NSYSFCVR86HD     |
|  | -                            | NSYSPFVX12200                  | NSYSPLVX6200SF | NSYSPFX12200       | NSYSPSX6200SF | NSYSFCVR126HD    |
|  | -                            | NSYSPFVX8200                   | NSYSPLVX4200SF | NSYSPFX8200        | NSYSPSX4200SF | NSYSFCVR84HD     |

### Coupling kits for PHD



NSYSKAV



NSYKSKAV

Fixings that help to prevent to open the plinths from the outside with standard tools.

■ **Material:** stainless-steel.

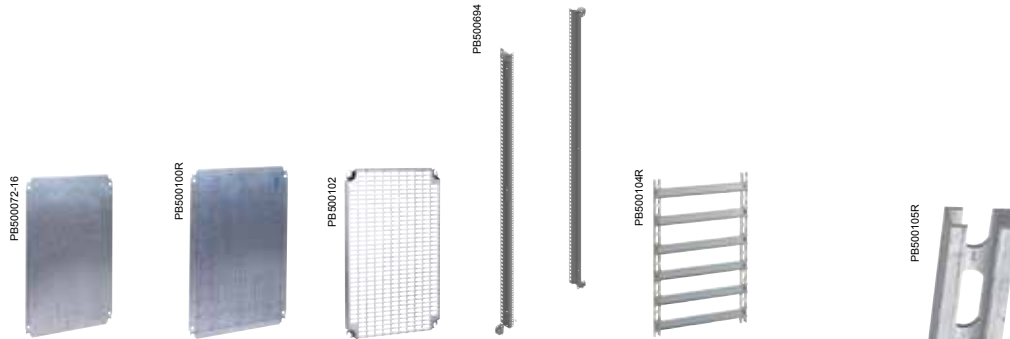
#### References

16 anti-vandalism screws for stainless-steel plinth  
Key for anti-vandalism screws for stainless-steel plinth

NSYSKAV  
NSYKSKAV

# Steel outdoor Heavy Duty enclosures

## Mounting accessories



| Characteristics                 |            |            | Spacial S3HD and SFHD |                  |            |                |                  |              |                         |
|---------------------------------|------------|------------|-----------------------|------------------|------------|----------------|------------------|--------------|-------------------------|
| Height (mm)                     | Width (mm) | Depth (mm) | Plain mounting plates | Plain silkscreen | Telequick  | 19" fixed rack | DIN-rail chassis |              | Aluminum vertical rails |
|                                 |            |            |                       |                  |            |                |                  | Type of rail |                         |
| <b>Wall-mounting enclosure</b>  |            |            |                       |                  |            |                |                  |              |                         |
| 343                             | 200        | 180        | NSYMM32               | -                | NSYMR32    | -              | -                | -            | NSYMDVR3                |
| 448                             | 300        | 230        | NSYMM43               | NSYMS43          | NSYMR43    | -              | NSYMD43          | B            | NSYMDVR4                |
| 548                             | 400        | 230        | NSYMM54               | NSYMS54          | NSYMR54    | -              | NSYMD54          | B            | NSYMDVR5                |
| 653                             | 400        | 280        | NSYMM64               | NSYMS64          | NSYMR64    | -              | NSYMD64          | B            | NSYMDVR6                |
| 658                             | 600        | 330        | NSYMM66               | NSYMS66          | NSYMR66    | -              | NSYMD66          | A            | NSYMDVR6                |
| 753                             | 500        | 280        | NSYMM75               | NSYMS75          | NSYMR75    | -              | NSYMD75          | B            | NSYMDVR7                |
| 858                             | 600        | 330        | NSYMM86               | NSYMS86          | -          | NSYVDM17UF     | NSYMD86          | A            | NSYMDVR8                |
| 862                             | 800        | 430        | NSYMM88               | -                | -          | -              | -                | -            | NSYMDVR8                |
| 1062                            | 600        | 430        | NSYMM106              | -                | NSYMR106   | NSYVDM21UF     | -                | -            | NSYMDVR10               |
|                                 | 800        | 430        | NSYMM108              | -                | NSYMR108   | -              | NSYMD108         | A            | NSYMDVR10               |
| <b>Floor-standing enclosure</b> |            |            |                       |                  |            |                |                  |              |                         |
| 1262                            | 600        | 430        | NSYMP126              | -                | NSYSTMP... | NSYRCK24       | -                | -            | -                       |
|                                 | 800        | 430        | NSYMP128              | -                |            | NSYRCK24       | -                | -            | -                       |
|                                 | 1200       | 430        | NSYMP1212             | -                |            | NSYRCK24       | -                | -            | -                       |
| 1281                            | 600        | 630        | NSYMP126              | -                |            | NSYRCK24       | -                | -            | -                       |
|                                 | 800        | 630        | NSYMP128              | -                |            | NSYRCK24       | -                | -            | -                       |
|                                 | 1200       | 630        | NSYMP1212             | -                |            | NSYRCK24       | -                | -            | -                       |
| 1662                            | 800        | 430        | NSYMP128              | -                |            | NSYRCK33       | -                | -            | -                       |
|                                 | 1200       | 430        | NSYMP1612             | -                |            | NSYRCK33       | -                | -            | -                       |
| 1681                            | 600        | 630        | NSYMP126              | -                |            | NSYRCK33       | -                | -            | -                       |
|                                 | 800        | 630        | NSYMP128              | -                |            | NSYRCK33       | -                | -            | -                       |
|                                 | 1200       | 630        | NSYMP1612             | -                |            | NSYRCK33       | -                | -            | -                       |
| 2062                            | 800        | 430        | NSYMP208              | -                |            | NSYRCK42       | -                | -            | -                       |

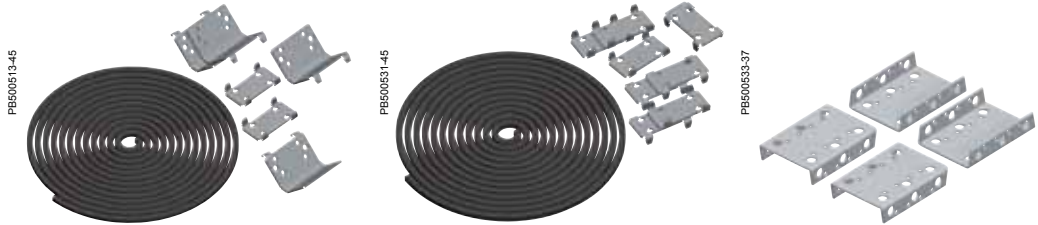


| Vertical upright |                | DIN rails        |                  | Reinforcements for mounting plates | Rails for heavy loads | Intermediate mounting plate | Mounting plate sliding rails |
|------------------|----------------|------------------|------------------|------------------------------------|-----------------------|-----------------------------|------------------------------|
| Technical        | Standard       | Symetrical       | Asymetrical      |                                    |                       |                             |                              |
| -                | -              | -                | -                | -                                  | -                     | -                           | -                            |
| -                | -              | <b>NSYSDR30B</b> | -                | -                                  | -                     | -                           | -                            |
| -                | -              | <b>NSYSDR40B</b> | -                | -                                  | -                     | -                           | -                            |
| -                | -              | <b>NSYSDR40B</b> | -                | -                                  | -                     | -                           | -                            |
| -                | -              | <b>NSYSDR60A</b> | -                | -                                  | -                     | -                           | -                            |
| -                | -              | <b>NSYSDR50A</b> | -                | -                                  | -                     | -                           | -                            |
| -                | -              | <b>NSYSDR60A</b> | -                | -                                  | -                     | -                           | -                            |
| -                | -              | <b>NSYSDR80A</b> | -                | -                                  | -                     | -                           | -                            |
| -                | -              | <b>NSYSDR60A</b> | -                | -                                  | -                     | -                           | -                            |
| -                | -              | <b>NSYSDR80A</b> | -                | -                                  | -                     | -                           | -                            |
| <b>NSYTVR12</b>  | -              | <b>NSYSDR60</b>  | <b>NSYADR60</b>  | <b>NSYMPRK6</b>                    | <b>NSYHLCR40</b>      | <b>NSYSIMP12</b>            | <b>NSYSMPS4</b>              |
| <b>NSYTVR12</b>  | -              | <b>NSYSDR80</b>  | <b>NSYADR80</b>  | <b>NSYMPRK8</b>                    | <b>NSYHLCR40</b>      | <b>NSYSIMP12</b>            | <b>NSYSMPS4</b>              |
| <b>NSYTVR12</b>  | -              | <b>NSYSDR120</b> | <b>NSYADR120</b> | <b>NSYMPRK12</b>                   | <b>NSYHLCR40</b>      | <b>NSYSIMP12</b>            | <b>NSYSMPS4</b>              |
| <b>NSYTVR12</b>  | -              | <b>NSYSDR60</b>  | <b>NSYADR60</b>  | <b>NSYMPRK6</b>                    | <b>NSYHLCR60</b>      | <b>NSYSIMP12</b>            | <b>NSYSMPS6</b>              |
| <b>NSYTVR12</b>  | -              | <b>NSYSDR80</b>  | <b>NSYADR80</b>  | <b>NSYMPRK8</b>                    | <b>NSYHLCR60</b>      | <b>NSYSIMP12</b>            | <b>NSYSMPS6</b>              |
| <b>NSYTVR12</b>  | -              | <b>NSYSDR120</b> | <b>NSYADR120</b> | <b>NSYMPRK12</b>                   | <b>NSYHLCR60</b>      | <b>NSYSIMP12</b>            | <b>NSYSMPS6</b>              |
| <b>NSYTVR16</b>  | -              | <b>NSYSDR80</b>  | <b>NSYADR80</b>  | <b>NSYMPRK8</b>                    | <b>NSYHLCR40</b>      | <b>NSYSIMP16</b>            | <b>NSYSMPS4</b>              |
| <b>NSYTVR16</b>  | -              | <b>NSYSDR120</b> | <b>NSYADR120</b> | <b>NSYMPRK12</b>                   | <b>NSYHLCR40</b>      | <b>NSYSIMP16</b>            | <b>NSYSMPS4</b>              |
| <b>NSYTVR16</b>  | -              | <b>NSYSDR60</b>  | <b>NSYADR60</b>  | <b>NSYMPRK6</b>                    | <b>NSYHLCR60</b>      | <b>NSYSIMP16</b>            | <b>NSYSMPS6</b>              |
| <b>NSYTVR16</b>  | -              | <b>NSYSDR80</b>  | <b>NSYADR80</b>  | <b>NSYMPRK8</b>                    | <b>NSYHLCR60</b>      | <b>NSYSIMP16</b>            | <b>NSYSMPS6</b>              |
| <b>NSYTVR16</b>  | -              | <b>NSYSDR120</b> | <b>NSYADR120</b> | <b>NSYMPRK12</b>                   | <b>NSYHLCR60</b>      | <b>NSYSIMP16</b>            | <b>NSYSMPS6</b>              |
| <b>NSYTVR20</b>  | <b>NSYVR20</b> | <b>NSYSDR80</b>  | <b>NSYADR80</b>  | <b>NSYMPRK8</b>                    | <b>NSYHLCR40</b>      | <b>NSYSIMP20</b>            | <b>NSYSMPS4</b>              |

# Steel outdoor Heavy Duty enclosures

## Accessories

### High resistance materials

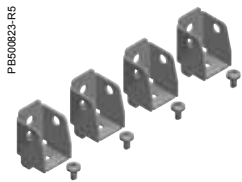


| Characteristics | Standard coupling kit   | 19" rack coupling kit                                 | Reinforced coupling                         |
|-----------------|---|---|---|
| Supply          | 4 brackets, 2 flat connectors, sealing gasket and fixing elements | 8 flat connectors, sealing gasket and fixing elements | 4 reinforced connectors and fixing elements |
| References      | NSYSFBK   | NSYSFBK19   | NSYSFBKR                                    |

### Mounting accessories



**Orthogonal brackets for Spacial SFHD**  
**Reference**  
 NSYSMP5B



**Bracket for fixing uprights for Spacial SFHD**  
**Reference**  
 NSYMFB



**Brackets for fixing mounting plates in back-to-back position for Spacial SFHD**  
**Reference**  
 NSYSBTB

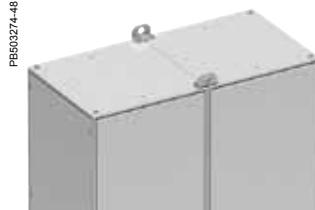


**Brackets for fixing intermediate mounting plates in back-to-back position for Spacial SFHD**  
**Reference**  
 NSYSIBTB



**Mounting plate fixing brackets for Spacial SFHD**  
**Reference**  
 NSYSFPB

## Lifting accessories for SFHD



| Characteristics                                     | Eyebolts   | Lifting brackets                            | Lifting bar                                     |           |           |           |
|---|------------|---|---|-----------|-----------|-----------|
| Maximum amount of assembled enclosures to be lifted | 1          | 2   | 2   | 3         | 4         | 5         |
| Supply  | 4 eyebolts | 4 brackets and fixing elements (M12 screws) | 2 lifting bars and fixing elements (M12 screws) |           |           |           |
| References  | NSYSFEB    | NSYSFELB                                    | NSYSFTB16                                       | NSYSFTB18 | NSYSFTB24 | NSYSFTB32 |

# Thermal Management

## Outdoor Heavy Duty cooling units



| Characteristics                         | Side-mounting models |                      |                      |
|---|----------------------|----------------------|----------------------|
| <b>Cooling characteristics</b>          |                      |                      |                      |
| Cooling power L35-L35                   | 380 W (1297 Btu/h)   | 640 W (2184 Btu/h)   | 820 W (2798 Btu/h)   |
| Cooling power L35-L50                   | 240 W (819 Btu/h)    | 470 W (1604 Btu/h)   | 680 W (2320 Btu/h)   |
| <b>Electric characteristics</b>         |                      |                      |                      |
| Input voltage                           | 1 x 230 V / 50-60 Hz | 1 x 230 V / 50-60 Hz | 1 x 230 V / 50-60 Hz |
| Starting / Rated Intensity              | 6.0 A / 1.6 A        | 8.1 A / 2.1 A        | 10.8 A / 2.6 A       |
| <b>Physical characteristics</b>         |                      |                      |                      |
| External dimensions (H x W x D)         | 573 x 300 x 205 mm   | 718 x 331 x 235 mm   | 875 x 363 x 239 mm   |
| Protection degree IP internal /external | IP55 / IP34          | IP55 / IP34          | IP55 / IP34          |
| Noise level                             | 60 dB                | 65 dB                | 65 dB                |
| Weight of unit                          | 17 kg                | 21 kg                | 27 kg                |
| <b>References</b>                       |                      |                      |                      |
|   | <b>NSYCUHD400</b>    | <b>NSYCUHD600</b>    | <b>NSYCUHD800</b>    |

## Outdoor Heavy Duty cooling units

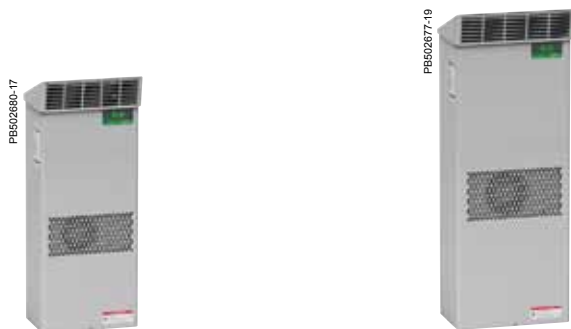


| Characteristics   | Fanbox                  | Filter                 | Roof filter for fanbox | IP55 HD Metal Grille   | Anti-vandalism kit for HD metal grille |                   |
|-------------------|-------------------------|------------------------|------------------------|--|--|-------------------|
| Supply            | 1 (grille not included) | 5                      | 1                      | 1 grille delivered with G3 M1 type synthetic filter (223 x 223 mm) and fixings | 1 kit                                  |                   |
| <b>References</b> |                         |                        |                        |  |  |                   |
|                   | <b>Voltage</b>          |                        |                        |  |  |                   |
|                   | 24 V DC                 | <b>NSYCVF550M24FB</b>  | <b>NSYCAF223T</b>      | <b>NSYCAF190</b>   | <b>NSYCAAG223LFHD</b>                  | <b>NSYCAAPVHD</b> |
|                   | 48 V DC                 | <b>NSYCVF550M48FB</b>  |                        |  |  |                   |
|                   | 115 V AC                | <b>NSYCVF550M115FB</b> |                        |  |  |                   |
|                   | 230 V AC                | <b>NSYCVF550M230FB</b> |                        |  |  |                   |

## Outdoor Heavy Duty cooling units



| Types             | NC thermostat                           | Double thermostat                     | NO thermostat             | Thermostat with inverse contact      | Temperature sensor                                  |
|-------------------|---|---------------------------------------|---------------------------|--------------------------------------|---|
| Characteristics   | Control a resistance heater or an alarm | Control a resistance heater and a fan | Control a fan or an alarm | Control a resistance heater or a fan | PTC external temperature sensor (double insulation) |
| <b>References</b> |   |                                       |                           |                                      |   |
| 0...+60 °C        | <b>NSYCCOTHC</b>                        | <b>NSYCCOTHDF</b>                     | <b>NSYCCOTHDF</b>         | <b>NSYCCOTHDF</b>                    | <b>NSYCCASTH</b>                                    |
| +32...+140 °F     | <b>NSYCCOTHCF</b>                       | <b>NSYCCOTHDF</b>                     | <b>NSYCCOTHDF</b>         | <b>NSYCCOTHDF</b>                    | <b>NSYCCASTE</b>                                    |



|  |   |   |  |  |  |  |  |
|--|---|---|--|--|--|--|--|
|  | 1000 W (3412 Btu/h)<br>790 W (2696 Btu/h)           | 1000 W (3412 Btu/h)<br>790 W (2696 Btu/h)                 | 1600 W (5459 Btu/h)<br>1230 W (4197 Btu/h)           | 1600 W (5459 Btu/h)<br>1230 W (4197 Btu/h)           | 2000 W (6824 Btu/h)<br>1510 W (5152 Btu/h)           | 2900 W (9895 Btu/h)<br>2250 W (7677 Btu/h)           | 3850 W (13137 Btu/h)<br>2870 W (9793 Btu/h)          |
|  | 1 x 230 V / 50-60 Hz<br>10.5 A / 3 A                | 2 x 400-440V / 50-60Hz<br>8 A / 2 A                       | 1 x 230 V / 50-60 Hz<br>18 A / 5.3 A                 | 2 x 400-440V / 50-60Hz<br>11 A / 2.9 A               | 3 x 400 V / 50-60 Hz<br>10 A / 2.5 A                 | 3 x 400 V / 50-60 Hz<br>14 A / 2.6 A                 | 3 x 400 V / 50-60 Hz<br>18 A / 3.6 A                 |
|  | 895 x 363 x 239 mm<br>IP55 / IP34<br>65 dB<br>28 kg | 895 x 363 x 239 (+58) mm<br>IP55 / IP34<br>65 dB<br>29 kg | 1009 x 415 x 261 mm<br>IP55 / IP34<br>65 dB<br>40 kg | 1009 x 415 x 261 mm<br>IP55 / IP34<br>65 dB<br>42 kg | 1009 x 415 x 261 mm<br>IP55 / IP34<br>65 dB<br>54 kg | 1416 x 512 x 365 mm<br>IP55 / IP34<br>70 dB<br>84 kg | 1416 x 512 x 365 mm<br>IP55 / IP34<br>70 dB<br>85 kg |
|  | <b>NSYCUHD1K</b>                                    | <b>NSYCUHD1K2P4</b>                                       | <b>NSYCUHD1K6</b>                                    | <b>NSYCUHD1K62P4</b>                                 | <b>NSYCUHD2K3P4</b>                                  | <b>NSYCUHD3K3P4</b>                                  | <b>NSYCUHD4K3P4</b>                                  |

## Aluminium resistance heaters



| Resistance heaters with fan |             |                       |
|-----------------------------|-------------|-----------------------|
| Power (W)                   | Voltage (V) | References            |
| 200                         | 115 AC      | <b>NSYCRS200W115V</b> |
|                             | 230 AC      | <b>NSYCRS200W230V</b> |
| 250                         | 115 AC      | <b>NSYCR250W115VV</b> |
|                             | 230 AC      | <b>NSYCR250W230VV</b> |
| 400                         | 115 AC      | <b>NSYCR400W115VV</b> |
|                             | 230 AC      | <b>NSYCR400W230VV</b> |

## Ultra thin resistance heaters



| Ultra thin resistance heaters* |             |             |            |            |                       |
|--------------------------------|-------------|-------------|------------|------------|-----------------------|
| Power (W)                      | Voltage (V) | Height (mm) | Width (mm) | Depth (mm) | References            |
| 10                             | 120         | 130         | 250        | 1.6        | <b>NSYCRS10W120V</b>  |
|                                | 240         | 130         | 250        | 1.6        | <b>NSYCRS10W240V</b>  |
| 25                             | 120         | 130         | 250        | 1.6        | <b>NSYCRS25W120V</b>  |
|                                | 240         | 130         | 250        | 1.6        | <b>NSYCRS25W240V</b>  |
| 50                             | 120         | 200         | 320        | 1.6        | <b>NSYCRS50W120V</b>  |
|                                | 240         | 200         | 320        | 1.6        | <b>NSYCRS50W240V</b>  |
| 100                            | 120         | 280         | 450        | 1.6        | <b>NSYCRS100W120V</b> |
|                                | 240         | 280         | 450        | 1.6        | <b>NSYCRS100W240V</b> |
| 200                            | 120         | 400         | 650        | 1.6        | <b>NSYCRS200W120V</b> |
|                                | 240         | 400         | 650        | 1.6        | <b>NSYCRS200W240V</b> |

\* Ultra thin resistance heaters can be manufactured with different dimensions and power ratings than those indicated above. Please contact us.

## Resistance heaters



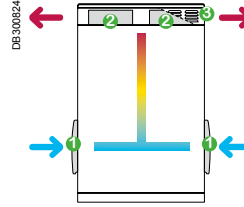
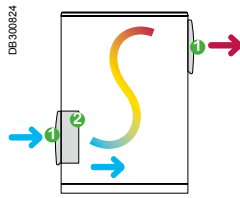
| Thermofans |             |                        |
|------------|-------------|------------------------|
| Power (W)  | Voltage (V) | References             |
| 400/550    | 120 AC      | <b>NSYCRP1W120VTVC</b> |
|            | 230 AC      | <b>NSYCRP1W230VTVC</b> |

# Outdoor Heavy Duty enclosures

## Ventilation architectures

**New**

- ① IP55 metal grille
- ② Fanbox
- ③ Roof ventilated module
- ④ Ventilated plinths
- ⑤ IP54 grille



|                       | S-Line  | T-Line   |
|-----------------------|---|--|
| Architecture benefits | <ul style="list-style-type: none"> <li>■ Most common and competitive architecture</li> <li>■ Maximum heat dissipation to extract 800 W-1000 W</li> <li>■ <math>\Delta T^\circ</math> of 5°C</li> <li>■ Easy access to mount-dismount fanbox</li> <li>■ Air flow in horizontal axis</li> </ul> | <ul style="list-style-type: none"> <li>■ High capacity of extraction calories up to 1500 W</li> <li>■ Noise level with 1 fan: 55 dB when installed inside the upper ventilation module</li> <li>■ <math>\Delta T^\circ</math> of 5°C</li> <li>■ Air flow in vertical axis</li> </ul> |

|  | IP55 metal grille |      | Fanbox |      | IP55 metal grille |      | Fanbox                               | Roof ventilation module |
|--|-------------------|------|--------|------|-------------------|------|--------------------------------------|-------------------------|
|  | Door              | Side | Door   | Side | Door              | Side | (1 filter NSYCAF190 for each Fanbox) |                         |

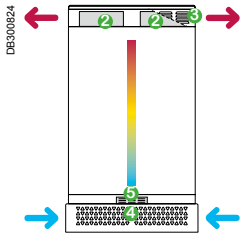
**Polyester outdoor HD enclosure**


| References     | Amount to be installed |        |        |        | Amount to be installed |        |        |   | References   |
|----------------|------------------------|--------|--------|--------|------------------------|--------|--------|---|--------------|
| NSYPHDT553     | -                      | -      | -      | -      | -                      | -      | -      | - | -            |
| NSYPHDT553P    | -                      | -      | -      | -      | -                      | -      | -      | - | -            |
| NSYPHDT753     | -                      | -      | -      | -      | -                      | -      | -      | - | -            |
| NSYPHDT753P    | 1 to 2                 | -      | 1 to 2 | -      | 1 to 2                 | -      | -      | - | -            |
| NSYPHDZT774    | -                      | 1 to 2 | -      | 1 to 2 | -                      | 1 to 2 | 1 to 2 | 1 | NSYPCVR74HD  |
| NSYPHDZT774P   | 1 to 2                 | 1 to 2 | 1 to 2 | 1 to 2 | 1 to 2                 | 1 to 2 | 1 to 2 | 1 | NSYPCVR74HD  |
| NSYPHDZT776    | -                      | 1 to 2 | -      | 1 to 2 | -                      | 1 to 2 | 1 to 2 | 1 | NSYPCVR76HD  |
| NSYPHDZT776P   | 1 to 2                 | 1 to 2 | 1 to 2 | 1 to 2 | 1 to 2                 | 1 to 2 | 1 to 2 | 1 | NSYPCVR76HD  |
| NSYPHDZT1054   | -                      | 1      | -      | 1      | -                      | 1      | 1      | 1 | NSYPCVR54HD  |
| NSYPHDZT1054P  | 1 to 2                 | 1      | 1 to 2 | 1      | 1 to 2                 | 1      | 1      | 1 | NSYPCVR54HD  |
| NSYPHDZT1074   | -                      | 1 to 2 | -      | 1 to 2 | -                      | 1 to 2 | 1 to 2 | 1 | NSYPCVR74HD  |
| NSYPHDZT1074P  | 1 to 4                 | 1 to 2 | 1 to 4 | 1 to 2 | 1 to 4                 | 1 to 2 | 1 to 2 | 1 | NSYPCVR74HD  |
| NSYPHDZT12124  | -                      | 1 to 3 | -      | 1 to 3 | -                      | 1 to 3 | 1 to 3 | 1 | NSYPCVR124HD |
| NSYPHDZT12124P | 1 to 4                 | 1 to 3 | 1 to 4 | 1 to 3 | 1 to 4                 | 1 to 3 | 1 to 3 | 1 | NSYPCVR124HD |
| NSYPHDZT12126  | -                      | 1 to 3 | -      | 1 to 3 | -                      | 1 to 3 | 1 to 3 | 1 | NSYPCVR126HD |
| NSYPHDZT12126P | 1 to 4                 | 1 to 3 | 1 to 4 | 1 to 3 | 1 to 4                 | 1 to 3 | 1 to 3 | 1 | NSYPCVR126HD |
| NSYPHDZT1254   | -                      | 1      | -      | 1      | -                      | 1      | 1      | 1 | NSYPCVR54HD  |
| NSYPHDZT1254P  | 1 to 3                 | 1      | 1 to 3 | 1      | 1 to 3                 | 1      | 1      | 1 | NSYPCVR54HD  |
| NSYPHDZT1274   | -                      | 1 to 2 | -      | 1 to 2 | -                      | 1 to 2 | 1 to 2 | 1 | NSYPCVR74HD  |
| NSYPHDZT1274P  | 1 to 4                 | 1 to 2 | 1 to 4 | 1 to 2 | 1 to 4                 | 1 to 2 | 1 to 2 | 1 | NSYPCVR74HD  |
| NSYPHDZT1276   | -                      | 1 to 2 | -      | 1 to 2 | -                      | 1 to 2 | 1 to 2 | 1 | NSYPCVR76HD  |
| NSYPHDZT1276P  | 1 to 4                 | 1 to 2 | 1 to 4 | 1 to 2 | 1 to 4                 | 1 to 2 | 1 to 2 | 1 | NSYPCVR76HD  |
| NSYPHDZT15124  | -                      | 1 to 3 | -      | 1 to 3 | -                      | 1 to 3 | 1 to 3 | 1 | NSYPCVR124HD |
| NSYPHDZT15124P | 1 to 4                 | 1 to 3 | 1 to 4 | 1 to 3 | 1 to 4                 | 1 to 3 | 1 to 3 | 1 | NSYPCVR124HD |
| NSYPHDZT15126  | -                      | 1 to 3 | -      | 1 to 3 | -                      | 1 to 3 | 1 to 3 | 1 | NSYPCVR126HD |
| NSYPHDZT15126P | 1 to 4                 | 1 to 3 | 1 to 4 | 1 to 3 | 1 to 4                 | 1 to 3 | 1 to 3 | 1 | NSYPCVR126HD |
| NSYPHDZT1574   | -                      | 1 to 2 | -      | 1 to 2 | -                      | 1 to 2 | 1 to 2 | 1 | NSYPCVR74HD  |
| NSYPHDZT1574P  | 1 to 4                 | 1 to 2 | 1 to 4 | 1 to 2 | 1 to 4                 | 1 to 2 | 1 to 2 | 1 | NSYPCVR74HD  |
| NSYPHDZT1576   | -                      | 1 to 2 | -      | 1 to 2 | -                      | 1 to 2 | 1 to 2 | 1 | NSYPCVR76HD  |
| NSYPHDZT1576P  | 1 to 4                 | 1 to 2 | 1 to 4 | 1 to 2 | 1 to 4                 | 1 to 2 | 1 to 2 | 1 | NSYPCVR76HD  |
| NSYPHDZT2074   | -                      | 1 to 2 | -      | 1 to 2 | -                      | 1 to 2 | 1 to 2 | 1 | NSYPCVR74HD  |
| NSYPHDZT2074P  | 1 to 4                 | 1 to 2 | 1 to 4 | 1 to 2 | 1 to 4                 | 1 to 2 | 1 to 2 | 1 | NSYPCVR74HD  |

**Steel outdoor HD enclosure**

| References      | Amount to be installed |        |        |        | Amount to be installed |        |        |   | References    |
|-----------------|------------------------|--------|--------|--------|------------------------|--------|--------|---|---------------|
| NSYS3HD8630     | 1 to 2                 | -      | 1 to 2 | -      | 1 to 2                 | -      | -      | - | -             |
| NSYS3HD8840     | 1 to 2                 | 1 to 2 | 1 to 2 | 1 to 2 | 1 to 2                 | 1 to 2 | 1 to 2 | 1 | NSYS3CVR84HD  |
| NSYS3HD10640    | 1 to 2                 | 1 to 2 | 1 to 2 | 1 to 2 | 1 to 2                 | 1 to 2 | 1      | 1 | NSYS3CVR64HD  |
| NSYS3HD10840    | 1 to 4                 | 1 to 2 | 1 to 4 | 1 to 2 | 1 to 4                 | 1 to 2 | 1 to 2 | 1 | NSYS3CVR84HD  |
| NSYSFHD12640    | 1 to 3                 | 1 to 3 | 1 to 3 | 1 to 3 | 1 to 3                 | 1 to 3 | 1      | 1 | NSYSFCVR64HD  |
| NSYSFHD12660    | 1 to 3                 | 1 to 3 | 1 to 3 | 1 to 3 | 1 to 3                 | 1 to 3 | 1      | 1 | NSYSFCVR66HD  |
| NSYSFHD12840    | 1 to 4                 | 1 to 3 | 1 to 4 | 1 to 3 | 1 to 4                 | 1 to 3 | 1 to 2 | 1 | NSYSFCVR84HD  |
| NSYSFHD12860    | 1 to 4                 | 1 to 3 | 1 to 4 | 1 to 3 | 1 to 4                 | 1 to 3 | 1 to 2 | 1 | NSYSFECA66HD  |
| NSYSFHD16660    | 1 to 4                 | 1 to 4 | 1 to 4 | 1 to 4 | 1 to 4                 | 1 to 4 | 1      | 1 | NSYSFCVR66HD  |
| NSYSFHD16840    | 1 to 4                 | 1 to 4 | 1 to 4 | 1 to 3 | 1 to 4                 | 1 to 3 | 1 to 2 | 1 | NSYSFCVR84HD  |
| NSYSFHD16860    | 1 to 4                 | 1 to 4 | 1 to 4 | 1 to 4 | 1 to 4                 | 1 to 4 | 1 to 2 | 1 | NSYSFECA66HD  |
| NSYSFHD20840    | 1 to 4                 | 1 to 4 | 1 to 4 | 1 to 4 | 1 to 4                 | 1 to 4 | 1 to 2 | 1 | NSYSFCVR84HD  |
| NSYSFHD1212402D | 1 to 4                 | 1 to 3 | 1 to 4 | 1 to 2 | 1 to 4                 | 1 to 2 | 1 to 3 | 1 | NSYSFCVR124HD |
| NSYSFHD1212602D | 1 to 4                 | 1 to 3 | 1 to 4 | 1 to 3 | 1 to 4                 | 1 to 2 | 1 to 3 | 1 | NSYSFCVR126HD |
| NSYSFHD1612402D | 1 to 4                 | 1 to 4 | 1 to 4 | 1 to 3 | 1 to 4                 | 1 to 3 | 1 to 3 | 1 | NSYSFCVR124HD |
| NSYSFHD1612602D | 1 to 4                 | 1 to 4 | 1 to 4 | 1 to 3 | 1 to 4                 | 1 to 3 | 1 to 3 | 1 | NSYSFCVR126HD |





 This table helps to configure thermal architectures, but it is highly recommended to use ProClima Software to ensure the right thermal solution according to the selected architecture.

**I-Line**

- Integrated architecture particularly suitable for public areas
- High capacity of extraction calories up to 1500 W
- Noise level with 1 fan: 55 dB when installed inside the upper ventilation module
- Good extraction flow rate power
- Air flow in vertical axis

|  |                           |   |                                |
|--|---------------------------|---|--------------------------------|
| <b>IP54 outlet grille</b><br>(NSYCAG223LPF + G3 filter NSYCAF223T) | <b>Ventilated plinths</b> | <b>Fanbox</b><br>(1 filter NSYCAF190 for each Fanbox) | <b>Roof ventilation module</b> |
|--|---------------------------|---|--------------------------------|

| Amount to be installed |   | References   |   | Amount to be installed |   | References   |   |
|------------------------|---|--------------|---|------------------------|---|--------------|---|
| -                      | - | -            | - | -                      | - | -            | - |
| -                      | - | -            | - | -                      | - | -            | - |
| -                      | - | -            | - | -                      | - | -            | - |
| -                      | - | -            | - | -                      | - | -            | - |
| 1 to 2                 | 1 | NSYZZ274VHD  | - | 1 to 2                 | 1 | NSYPCVR74HD  | - |
| 1 to 2                 | 1 | NSYZZ274VHD  | - | 1 to 2                 | 1 | NSYPCVR74HD  | - |
| 1 to 2                 | 1 | NSYZZ276VHD  | - | 1 to 2                 | 1 | NSYPCVR76HD  | - |
| 1 to 2                 | 1 | NSYZZ276VHD  | - | 1 to 2                 | 1 | NSYPCVR76HD  | - |
| 1                      | 1 | NSYZZ254VHD  | - | 1                      | 1 | NSYPCVR54HD  | - |
| 1                      | 1 | NSYZZ254VHD  | - | 1                      | 1 | NSYPCVR54HD  | - |
| 1 to 2                 | 1 | NSYZZ274VHD  | - | 1 to 2                 | 1 | NSYPCVR74HD  | - |
| 1 to 2                 | 1 | NSYZZ274VHD  | - | 1 to 2                 | 1 | NSYPCVR74HD  | - |
| 1 to 3                 | 1 | NSYZZ2124VHD | - | 1 to 3                 | 1 | NSYPCVR124HD | - |
| 1 to 3                 | 1 | NSYZZ2124VHD | - | 1 to 3                 | 1 | NSYPCVR124HD | - |
| 1 to 3                 | 1 | NSYZZ2126VHD | - | 1 to 3                 | 1 | NSYPCVR126HD | - |
| 1 to 3                 | 1 | NSYZZ2126VHD | - | 1 to 3                 | 1 | NSYPCVR126HD | - |
| 1                      | 1 | NSYZZ254VHD  | - | 1                      | 1 | NSYPCVR54HD  | - |
| 1                      | 1 | NSYZZ254VHD  | - | 1                      | 1 | NSYPCVR54HD  | - |
| 1 to 2                 | 1 | NSYZZ274VHD  | - | 1 to 2                 | 1 | NSYPCVR74HD  | - |
| 1 to 2                 | 1 | NSYZZ274VHD  | - | 1 to 2                 | 1 | NSYPCVR74HD  | - |
| 1 to 2                 | 1 | NSYZZ276VHD  | - | 1 to 2                 | 1 | NSYPCVR76HD  | - |
| 1 to 2                 | 1 | NSYZZ276VHD  | - | 1 to 2                 | 1 | NSYPCVR76HD  | - |
| 1 to 3                 | 1 | NSYZZ2124VHD | - | 1 to 3                 | 1 | NSYPCVR124HD | - |
| 1 to 3                 | 1 | NSYZZ2124VHD | - | 1 to 3                 | 1 | NSYPCVR124HD | - |
| 1 to 3                 | 1 | NSYZZ2126VHD | - | 1 to 3                 | 1 | NSYPCVR126HD | - |
| 1 to 3                 | 1 | NSYZZ2126VHD | - | 1 to 3                 | 1 | NSYPCVR126HD | - |
| 1 to 2                 | 1 | NSYZZ274VHD  | - | 1 to 2                 | 1 | NSYPCVR74HD  | - |
| 1 to 2                 | 1 | NSYZZ274VHD  | - | 1 to 2                 | 1 | NSYPCVR74HD  | - |
| 1 to 2                 | 1 | NSYZZ276VHD  | - | 1 to 2                 | 1 | NSYPCVR76HD  | - |
| 1 to 2                 | 1 | NSYZZ276VHD  | - | 1 to 2                 | 1 | NSYPCVR76HD  | - |
| 1 to 2                 | 1 | NSYZZ274VHD  | - | 1 to 2                 | 1 | NSYPCVR74HD  | - |
| 1 to 2                 | 1 | NSYZZ274VHD  | - | 1 to 2                 | 1 | NSYPCVR74HD  | - |

| Amount to be installed |   | References    |              | Amount to be installed |   | References    |   |
|------------------------|---|---------------|--------------|------------------------|---|---------------|---|
| 1                      | 1 | NSYSPFVX6200  | NSYSPSX3200  | -                      | - | -             | - |
| 1 to 2                 | 1 | NSYSPFVX8200  | NSYSPLVX4200 | 1 to 2                 | 1 | NSYS3CVR84HD  | - |
| 1                      | 1 | NSYSPFVX6200  | NSYSPLVX4200 | 1                      | 1 | NSYS3CVR64HD  | - |
| 1                      | 1 | NSYSPFVX8200  | NSYSPLVX4200 | 1 to 2                 | 1 | NSYS3CVR84HD  | - |
| 1                      | 1 | NSYSPFVX6200  | NSYSPLVX4200 | 1                      | 1 | NSYSFCVR64HD  | - |
| 1                      | 1 | NSYSPFVX6200  | NSYSPLVX6200 | 1                      | 1 | NSYSFCVR66HD  | - |
| 1 to 2                 | 1 | NSYSPFVX8200  | NSYSPLVX4200 | 1 to 2                 | 1 | NSYSFCVR84HD  | - |
| 1 to 2                 | 1 | NSYSPFVX8200  | NSYSPLVX6200 | 1 to 2                 | 1 | NSYSFECA66HD  | - |
| 1                      | 1 | NSYSPFVX6200  | NSYSPLVX6200 | 1                      | 1 | NSYSFCVR66HD  | - |
| 1 to 2                 | 1 | NSYSPFVX8200  | NSYSPLVX4200 | 1 to 2                 | 1 | NSYSFCVR84HD  | - |
| 1 to 2                 | 1 | NSYSPFVX8200  | NSYSPLVX6200 | 1 to 2                 | 1 | NSYSFECA66HD  | - |
| 1 to 2                 | 1 | NSYSPFVX8200  | NSYSPLVX6200 | 1 to 2                 | 1 | NSYSFCVR84HD  | - |
| 1 to 3                 | 1 | NSYSPFVX12200 | NSYSPLVX4200 | 1 to 3                 | 1 | NSYSFCVR124HD | - |
| 1 to 3                 | 1 | NSYSPFVX12200 | NSYSPLVX6200 | 1 to 3                 | 1 | NSYSFCVR126HD | - |
| 1 to 3                 | 1 | NSYSPFVX12200 | NSYSPLVX4200 | 1 to 3                 | 1 | NSYSFCVR124HD | - |
| 1 to 3                 | 1 | NSYSPFVX12200 | NSYSPLVX6200 | 1 to 3                 | 1 | NSYSFCVR126HD | - |

# Outdoor Heavy Duty enclosures

## Certifications

| Test description  | Standard              | Standard title  | Certification | Declaration |
|---|-----------------------|---|---------------|-------------|
| <b>POLYESTER</b>  |                       |   |               |             |
| <b>Thalassa PHD</b>   |                       |   |               |             |
| IP55, IK10, lifting: 500 kg max.<br>(IP65 for wall-mounting)  | IEC 62208: 2011       | Empty enclosures for low-voltage switchgear and controlgear assemblies - General requirements   | ●             | -           |
| Class II Insulation   | IEC 61439-1: 2011     | Low-voltage switchgear and controlgear assemblies Part 1: general rules   | -             | ✓           |
| Strength of materials and parts   | IEC 61439-5: 2010     | Low-voltage switchgear and controlgear assemblies Part 5: assemblies for power distribution in public networks  | ●             | -           |
| Corrosion resistance C4H  | ISO 12.944: 1999      | Paints and varnishes-corrosion protection of steel structures by protective paint systems Part 6: laboratory performance testing methods  | -             | ✓           |
| Climatic test, Biological Test, Resistance against chemically and mechanical active substances. Mechanical test, Lifting and stiffness test | IEC 61969-3: 2011     | Electronic "Mechanical structures for electronic equipment - Outdoor enclosures" Part 3: environmental requirements, tests and safety aspects   | ●             | -           |
| Space for electronics   | IEC 60297-3-100: 2009 | Mechanical structures for electronic equipment Dimensions of mechanical structures of the 482.6 mm (19 in) series - Part 3-100: basic dimensions of front panels, subracks, chassis, racks and cabinets | -             | ✓           |
| Dimensional   | EIA-310-E             | Cabinets, Racks, Panels, and associated equipment   | -             | ✓           |
| Fire resistance   | EN 1794-2: 2011       | Vandalism: fire resistance  | -             | ✓           |
| Posting   | Internal test         | Door antiposting internal test  | -             | ✓           |
| Single door: types 1, 2, 3, 3R, 4, 4X, 5, 12 & 13<br>Double door: types 1, 2, 3, 3R, 5, 12 & 13   | UL 508 A: 2007        | Standard for Industrial Control Panels  | ●             | -           |
| <b>STEEL</b>  |                       |   |               |             |
| <b>Spacial SFHD (floor-standing enclosures)</b>   |                       |   |               |             |
| IP55, IK10, lifting: 1000 kg max.   | IEC 62208: 2011       | Empty enclosures for low-voltage switchgear and controlgear assemblies - General requirements   | ●             | -           |
| Strength of materials and parts   | IEC 61.439-5: 2010    | Low-voltage switchgear and controlgear assemblies Part 5: Assemblies for power distribution in public networks  | ●             | -           |
| Corrosion resistance C4H  | ISO 12.944: 1999      | Paints and varnishes-corrosion protection of steel structures by protective paint systems Part 6: laboratory performance testing methods  | ●             | -           |
| Climatic test, Biological Test, Resistance against chemically and mechanical active substances. Mechanical test, Lifting and stiffness test | IEC 61969-3: 2011     | Electronic "Mechanical structures for electronic equipment - Outdoor enclosures" Part 3: environmental requirements, tests and safety aspects   | ●             | -           |
| Space for electronics   | IEC 60297-3-100: 2009 | Mechanical structures for electronic equipment Dimensions of mechanical structures of the 482.6 mm (19 in) series - Part 3-100: basic dimensions of front panels, subracks, chassis, racks and cabinets | -             | ✓           |
| Dimensional   | EIA-310-E             | Cabinets, Racks, Panels, and associated equipment   | -             | ✓           |
| Single door: types 1, 3R, 12, 12K<br>Double door: types 1, 3R, 12, 12K  | UL 508 A: 2007        | Standard for Industrial Control Panels  | ●             | -           |
| <b>Spacial S3HD (wall-mounting enclosures)</b>  |                       |   |               |             |
| IP66, IK10, lifting: 200 kg max.  | IEC 62208: 2011       | Empty enclosures for low-voltage switchgear and controlgear assemblies - General requirements   | ●             | -           |
| Strength of materials and parts   | IEC 61.439-5: 2010    | Low-voltage switchgear and controlgear assemblies Part 5: Assemblies for power distribution in public networks  | ●             | -           |
| Corrosion resistance C4H  | ISO 12.944: 1999      | Paints and varnishes-corrosion protection of steel structures by protective paint systems Part 6: laboratory performance testing methods  | ●             | -           |
| Climatic test, Biological Test, Resistance against chemically and mechanical active substances. Mechanical test, Lifting and stiffness test | IEC 61969-3: 2011     | Electronic "Mechanical structures for electronic equipment - Outdoor enclosures" Part 3: environmental requirements, tests and safety aspects   | ●             | -           |
| Space for electronics   | IEC 60297-3-100: 2009 | Mechanical structures for electronic equipment Dimensions of mechanical structures of the 482.6 mm (19 in) series - Part 3-100: basic dimensions of front panels, subracks, chassis, racks and cabinets | -             | ✓           |
| Dimensional   | EIA-310-E             | Cabinets, Racks, Panels, and associated equipment   | -             | ✓           |
| Single door: types 1, 2, 3, 3R, 4, 4X, 5, 12 & 13   | UL 508 A: 2007        | Standard for Industrial Control Panels  | ●             | -           |

| Test description   | Standard   | Standard title  | Certification | Declaration |
|--|--|---|---------------|-------------|
| <b>HD ACCESSORIES</b>  |  |   |               |             |
| <b>HD THERMAL MANAGEMENT</b>   |  |   |               |             |
| <b>Fanbox</b>  |  |   |               |             |
| NSYCVF Series are intended for mounting on the flat surface of a Type 12 or 12K enclosure            | UL 508A<br>CAN/CSA-C22.2 No. 14,<br>CAN/CSA C22.2 No. 94-M91<br>CAN/CSA C22.2 No. 73 | Industrial Control Panels<br>Industrial Control Equipment<br>Special Purpose Enclosures<br>Electrically Equipped Machine Tools              | ●             | -           |
| <b>IP55 HD Metal grille (NSYCAG223LFHD)</b>  |  |   |               |             |
| IP55 (in conditions of use)  | IEC 60529: 2013  | Degrees of protection provided by enclosures (IP Code)  | -             | ✓           |
| Corrosion resistance C4H   | ISO 12.944: 1999   | Paints and varnishes-corrosion protection of steel structures by protective paint systems - part 6: laboratory performance testing methods  | ●             | -           |
| <b>Anti-vandalism kit for HD metal grille (NSYCAAPVHD)</b>   |  |   |               |             |
| Resistance Class 2   | ENV 1627: 2011   | Burglar resistance - Requirements and classification  | ●             | -           |
| <b>Upper ventilation module (PHD / SFHD / S3HD)</b>  |  |   |               |             |
| IP55 (in conditions of use)  | IEC 60529: 2013  | Degrees of protection provided by enclosures (IP Code)  | -             | ✓           |
| Corrosion resistance at level C4H  | ISO 12.944: 1999   | Paints and varnishes-corrosion protection of steel structures by protective paint systems<br>Part 6: laboratory performance testing methods | ●             | -           |
| <b>HD POLYESTER ENCLOSURES</b>   |  |   |               |             |
| <b>Anti-burglary accessory (NSYBGN***HD)</b>   |  |   |               |             |
| Resistance Class 2   | ENV 1627: 2011   | Burglar resistance - Requirements and classification  | ●             | -           |
| Corrosion resistance at level C4H  | ISO 12.944: 1999   | Paints and varnishes-corrosion protection of steel structures by protective paint systems<br>Part 6: laboratory performance testing methods | ●             | -           |
| <b>ZZ plinths (NSYZZ*** &amp; NSYZZ***VHD)</b>   |  |   |               |             |
| ZZ Plinth: IP44<br>(in conditions of use)<br>Ventilated ZZ Plinth: IP43<br>(in conditions of use)    | IEC 60.529: 2013   | Degrees of protection provided by enclosures (IP Code)  | -             | ✓           |
| <b>Eyebolts (NSYPLHD)</b>  |  |   |               |             |
| Maximum load 500Kg   | IEC 62208: 2011  | Empty enclosures for low-voltage switchgear and controlgear assemblies - General requirements   | -             | ✓           |
| <b>HD STEEL ENCLOSURES</b>   |  |   |               |             |
| <b>Stainless steel plinths (NSYSPFVX*** / NSYSPLVX*** / NSYSPSX*** / NSYSPSX***)</b>                 |  |   |               |             |
| Ventilated plinth: IP20<br>(in conditions of use)<br>Standard plinth: IP30<br>(in conditions of use) | IEC 60.529: 2013   | Degrees of protection provided by enclosures (IP Code)  | -             | ✓           |

# Expert's tools available

## ProClima software



This indispensable tool for all installers has recently been updated:

### Offer updating

- Complete outdoor Heavy Duty enclosures offer
- New thermal management solutions: airing, ventilation, control, exchangers and cooling...

### Outdoor data source file and formulas

- Outdoor algorithm
- Other variables can be taken into account (temperature/humidity/radiation)

### Output data

- Google Maps function to measure the temperature is included now
- Free weather data access for more than 10.000 weather station (Heat, Cold, Humidity, Sun radiation, Wind...)
- Energy efficiency criteria
- Iterations with same enclosure and different high to reduce thermal solution

### Outdoor technical support information

## ProClima software

- 1st free-of-charge thermal software dedicated to outdoor calculations
- User-friendly and easy to use
- Reliable thermal solutions database
- Only solutions to match the characteristics of the installation are proposed
- Optimized thermal solutions versus equipment

## Spacial.conf



Get your enclosure pre-engineered for your special needs

Spacial.conf software gives you total autonomy to configure and quote your outdoor Heavy Duty enclosures with services (cut-outs, painting, accessory mounting) in less than 3 minutes. Spacial.conf is designed for convenient, error-free, and time-saving orders.

For more information, please consult our guide: CPTG006\_EN



## Schneider Electric Industries SAS

35, rue Joseph Monier  
CS 30323  
92506 Rueil Malmaison Cedex  
France

RCS Nanterre 954 503 439  
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