

## Distribution enclosures XL<sup>3</sup> HP 6300

Cat.Nos: see catalogue pages



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### 1. GENERAL CHARACTERISTICS

XL<sup>3</sup> HP 6300 enclosures are suitable for power distribution equipment. They can be assembled from a roof-base set, uprights, rear panel, side panels, plinth, and a door.

- IP30 with perforated panels, with or without door
- IP55 with solid panels, door, and sealing kit in case of coupling
- IK07 without door
- IK08 with glass door
- IK10 with solid door

### 2. RANGE

#### ■ 2.1 Structure

- Structural uprights (4 vertical uprights): 2 in RAL 7035 and 2 in galvanized steel, with markings indicating the mounting positions for equipment (markings corresponding to the XLPro4 6300 software) : heights 1800mm, 2000mm or 2200mm
- Roof-base units in grey RAL 7004, equipped with earth connections and cable entry plates at the bottom :  
depth 400mm, 600mm, 800mm, 1000mm or 1200mm  
width 450mm, 600 mm, 700mm, 800mm, 1000mm, 1400mm
- Rear and side panels in grey RAL 7035, with or without vents, supplied with 2 retaining clips for easy installation  
Can be fitted with a plinth, height 100 mm.

#### ■ 2.2 Door

- Curved metal or glass door
- Reversible door, grey RAL 7035, without dismantling the locking rods (2-point locking system, top and bottom).  
Supplied with a lever handle. Interchangeable key barrels to be ordered separately

### 3. DIMENSIONS AND WEIGHT

| Set of roof-base + uprights + side panel |            |                           |             | Curved solid door | Curved glass door | Side panel (x 1) | Side + front plinth |
|--|------------|---------------------------|-------------|-------------------|-------------------|------------------|---------------------|
| Height (mm)                              | Width (mm) | Depth <sup>(1)</sup> (mm) | Weight (kg) | Weight (kg)       | Weight (kg)       | Weight (kg)      | Weight (kg)         |
| 1800                                     | 450        | 400                       | 39,3        | 11,5              | 12,3              | 7,1              | 4,6                 |
|  |            | 600                       | 43,9        | 11,5              | 12,3              | 10,6             | 5,2                 |
|  |            | 800                       | 48,6        | 11,5              | 12,3              | 14,1             | 5,8                 |
|  |            | 1000                      | 53,2        | 11,5              | 12,3              | 17,6             | 6,4                 |
|  |            | 1200                      | 58,1        | 11,5              | 12,3              | 21,2             | 7,0                 |
|  | 600        | 400                       | 44,8        | 14,6              | 15,5              | 7,1              | 5,0                 |
|  |            | 600                       | 50,1        | 14,6              | 15,5              | 10,6             | 5,6                 |
|  |            | 800                       | 55,4        | 14,6              | 15,5              | 14,1             | 6,2                 |
|  |            | 1000                      | 60,7        | 14,6              | 15,5              | 17,6             | 6,8                 |
|  |            | 1200                      | 66,2        | 14,6              | 15,5              | 21,2             | 7,4                 |
|  | 700        | 400                       | 48,6        | 16,7              | 17,6              | 7,1              | 5,3                 |
|  |            | 600                       | 54,4        | 16,7              | 17,6              | 10,6             | 5,9                 |
|  |            | 800                       | 60,2        | 16,7              | 17,6              | 14,1             | 6,5                 |
|  |            | 1000                      | 66          | 16,7              | 17,6              | 17,6             | 7,1                 |
|  | 800        | 400                       | 71,9        | 16,7              | 17,6              | 21,2             | 7,7                 |
|  |            | 400                       | 52,4        | 18,7              | 19,7              | 7,1              | 5,6                 |
|  |            | 600                       | 58,7        | 18,7              | 19,7              | 10,6             | 6,2                 |
|  |            | 800                       | 65,0        | 18,7              | 19,7              | 14,1             | 6,8                 |
|  | 1000       | 1000                      | 71,3        | 18,7              | 19,7              | 17,6             | 7,4                 |
|  |            | 1200                      | 77,7        | 18,7              | 19,7              | 21,2             | 8,0                 |
|  |            | 400                       | 60,0        | 22,8              | 23,9              | 7,1              | 6,2                 |
|  |            | 600                       | 67,3        | 22,8              | 23,9              | 10,6             | 6,8                 |
|  | 1400       | 800                       | 74,5        | 22,8              | 23,9              | 14,1             | 7,4                 |
|  |            | 1000                      | 81,8        | 22,8              | 23,9              | 17,6             | 8,0                 |
| 1200                                     |            | 89,2                      | 22,8        | 23,9              | 21,2              | 8,6              |                     |
| 800                                      |            | 98,6                      | -           | -                 | 14,1              | 8,6              |                     |
| 1400                                     | 1000       | 108,1                     | -           | -                 | 17,6              | 9,2              |                     |
|  | 1200       | 118,1                     | -           | -                 | 21,2              | 9,8              |                     |

1 : Depth with rear panel, without door: add 3 mm  
Depth with curves door and rear panel: add 50 mm

**3. DIMENSIONS AND WEIGHT (continued)**

| Set of roof-base + uprights + side panel |            |                           |             | Curved solid door | Curved glass door | Side panel (x 1) | Side + front plinth |
|--|------------|---------------------------|-------------|-------------------|-------------------|------------------|---------------------|
| Height (mm)                              | Width (mm) | Depth <sup>(1)</sup> (mm) | Weight (kg) | Weight (kg)       | Weight (kg)       | Weight (kg)      | Weight (kg)         |
| 2000                                     | 450        | 400                       | 41,7        | 12,6              | 13,5              | 7,9              | 4,6                 |
|  |            | 600                       | 46,4        | 12,6              | 13,5              | 11,8             | 5,2                 |
|  |            | 800                       | 51,1        | 12,6              | 13,5              | 15,7             | 5,8                 |
|  |            | 1000                      | 55,7        | 12,6              | 13,5              | 19,6             | 6,4                 |
|  | 600        | 1200                      | 60,6        | 12,6              | 13,5              | 23,6             | 7,0                 |
|  |            | 400                       | 47,6        | 16,0              | 17,0              | 7,9              | 5,0                 |
|  |            | 600                       | 52,9        | 16,0              | 17,0              | 11,8             | 5,6                 |
|  |            | 800                       | 58,2        | 16,0              | 17,0              | 15,7             | 6,2                 |
|  | 700        | 1000                      | 63,5        | 16,0              | 17,0              | 19,6             | 6,8                 |
|  |            | 1200                      | 68,9        | 16,0              | 17,0              | 23,6             | 7,4                 |
|  |            | 400                       | 51,6        | 18,3              | 19,3              | 7,9              | 5,3                 |
|  |            | 600                       | 57,4        | 18,3              | 19,3              | 11,8             | 5,9                 |
|  | 800        | 800                       | 63,2        | 18,3              | 19,3              | 15,7             | 6,5                 |
|  |            | 1000                      | 68,9        | 18,3              | 19,3              | 19,6             | 7,1                 |
|  |            | 1200                      | 74,9        | 18,3              | 19,3              | 23,6             | 7,7                 |
|  |            | 400                       | 55,6        | 20,5              | 21,6              | 7,9              | 5,6                 |
|  | 1000       | 600                       | 61,9        | 20,5              | 21,6              | 11,8             | 6,2                 |
|  |            | 800                       | 68,1        | 20,5              | 21,6              | 15,7             | 6,8                 |
|  |            | 1000                      | 74,4        | 20,5              | 21,6              | 19,6             | 7,4                 |
|  |            | 1200                      | 80,9        | 20,5              | 21,6              | 23,6             | 8,0                 |
|  | 1400       | 400                       | 63,5        | 25,0              | 26,2              | 7,9              | 6,2                 |
|  |            | 600                       | 70,8        | 25,0              | 26,2              | 11,8             | 6,8                 |
|  |            | 800                       | 78,1        | 25,0              | 26,2              | 15,7             | 7,4                 |
|  |            | 1000                      | 85,3        | 25,0              | 26,2              | 19,6             | 8,0                 |
| 2200                                     | 450        | 1200                      | 92,8        | 25,0              | 26,2              | 23,6             | 8,6                 |
|  |            | 800                       | 103,2       | -                 | -                 | 15,7             | 8,6                 |
|  |            | 1000                      | 112,8       | -                 | -                 | 19,6             | 9,2                 |
|  |            | 1200                      | 122,7       | -                 | -                 | 23,6             | 9,8                 |
|  | 600        | 400                       | 44,3        | 13,7              | 14,7              | 8,7              | 4,6                 |
|  |            | 600                       | 48,9        | 13,7              | 14,7              | 13,0             | 5,2                 |
|  |            | 800                       | 53,6        | 13,7              | 14,7              | 17,2             | 5,8                 |
|  |            | 1000                      | 58,3        | 13,7              | 14,7              | 21,5             | 6,4                 |
|  | 700        | 1200                      | 63,1        | 13,7              | 14,7              | 25,9             | 7,0                 |
|  |            | 400                       | 50,4        | 17,4              | 18,4              | 8,7              | 5,0                 |
|  |            | 600                       | 55,7        | 17,4              | 18,4              | 13,0             | 5,6                 |
|  |            | 800                       | 61,0        | 17,4              | 18,4              | 17,2             | 6,2                 |
|  | 800        | 1000                      | 66,3        | 17,4              | 18,4              | 21,5             | 6,8                 |
|  |            | 1200                      | 71,8        | 17,4              | 18,4              | 25,9             | 7,4                 |
|  |            | 400                       | 54,6        | 19,8              | 20,9              | 8,7              | 5,3                 |
|  |            | 600                       | 60,4        | 19,8              | 20,9              | 13,0             | 5,9                 |
|  | 1000       | 800                       | 66,2        | 19,8              | 20,9              | 17,2             | 6,5                 |
|  |            | 1000                      | 71,9        | 19,8              | 20,9              | 21,5             | 7,1                 |
|  |            | 1200                      | 77,9        | 19,8              | 20,9              | 25,9             | 7,7                 |
|  |            | 400                       | 58,8        | 22,3              | 23,5              | 8,7              | 5,6                 |
|  | 1400       | 600                       | 65,1        | 22,3              | 23,5              | 13,0             | 6,2                 |
|  |            | 800                       | 71,4        | 22,3              | 23,5              | 17,2             | 6,8                 |
|  |            | 1000                      | 77,6        | 22,3              | 23,5              | 21,5             | 7,4                 |
|  |            | 1200                      | 84,1        | 22,3              | 23,5              | 25,9             | 8,0                 |
| 1000                                     | 400        | 67,1                      | 27,2        | 28,5              | 8,7               | 6,2              |                     |
|  | 600        | 74,4                      | 27,2        | 28,5              | 13,0              | 6,8              |                     |
|  | 800        | 81,7                      | 27,2        | 28,5              | 17,2              | 7,4              |                     |
|  | 1000       | 88,9                      | 27,2        | 28,5              | 21,5              | 8,0              |                     |
| 1400                                     | 1200       | 96,4                      | 27,2        | 28,5              | 25,9              | 8,6              |                     |
|  | 800        | 108,0                     | -           | -                 | 17,2              | 8,6              |                     |
|  | 1000       | 117,5                     | -           | -                 | 21,5              | 9,2              |                     |
|  | 1200       | 127,5                     | -           | -                 | 25,9              | 9,8              |                     |

The data provided refers to IP55 panels, with weights being very similar to those of IP30 panels.

1 : Depth with rear panel, without door: add 3 mm  
 Depth with curves door and rear panel: add 50 mm

**4. TECHNICAL CHARACTERISTICS**

■ **4.1 Degree of protection**

- IP according to IEC EN 60529
- IK according to IEC EN 62262
- IP 30 with perforated panels (air vents)
- IP 55 with solid panels and door
- IK 07 without door
- IK 08 with glass door
- IK 10 with solid door

■ **4.2 Material characteristics**

Color: Grey RAL 7035, epoxy-polyester powder coating applied by electrostatic spraying, coating thickness 50–70 µm  
 Rear panel in painted steel sheet, thickness 12/10 mm  
 Side panels in painted steel sheet, thickness 12/10 mm  
 Faceplate in painted steel sheet, thickness 10/10 mm  
 Mounting plate galvanized steel, thickness 15/10 mm or 20/10 mm  
 Top and base in painted steel sheet, thickness 15/10 mm  
 Solid metal door in painted steel sheet, thickness 12/10 mm  
 Glass door in painted steel sheet, thickness 12/10 mm, with tempered glass thickness 4 mm

■ **4.3 Mechanical characteristics**

Maximum load: 1000 kg

■ **4.4 Resistance to climatic conditions**

Storage and installation temperature: -10 °C to +70 °C  
 Operating temperature: -5 °C to +40 °C  
 Corrosivity class: C4-L  
 Indoor installation required

■ **4.5 Seismic Withstand Capability**

Seismic test – Zone 4, K = 1.5 according to IEC 60068-3-3:2019

**5. MAINTENANCE**

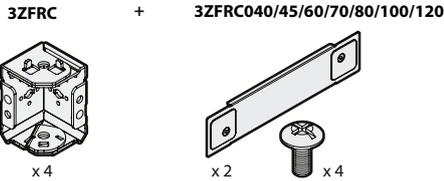
Resistance to professional detergent and disinfectant solutions.

|   |    |
|---|----|
| Ethyl-based liquid preparation with surfactant                                  | ++ |
| Mild alkaline liquid preparation with surfactant                                | ++ |
| Strong alkaline liquid preparation with disinfectant properties                 | -- |
| Alkaline surfactant preparation with amphoteric antibacterial agent             | +  |
| Phosphoric acid-based surfactant preparation with disinfectant properties       | ++ |
| Concentrated alkaline liquid preparation with strong ionic surfactant detergent | -  |
| Concentrated alkaline liquid preparation with EDTA complexing agent             | -  |

**6. EQUIPMENTS**

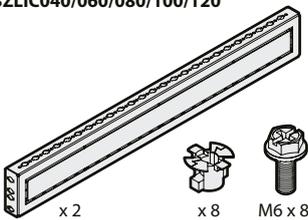
**■ 6.1 Bases and accessories**

Base to assemble: set of 4 feet, height 100 mm, Cat.No 3ZFRC + set of 2 plinths for installation on the enclosure width and set of 2 plinths for installation on the enclosure depth, Cat.No 3ZFRC..



A monobloc plinth is also available for enclosure width 1400 mm and depth 800/1000/1200 mm : 9ZFRC140080, 9ZFRC140100 and 9ZFRC140120

When two enclosures are coupled, internal plinths (set of 2) Cat.No 3ZLIC... allow cable routing (pre-cut central section).  
3ZLIC040/060/080/100/120

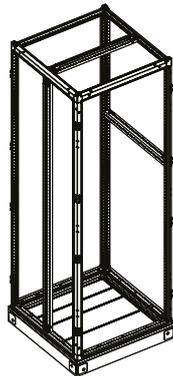


It is possible to stack two bases using kit Cat.No 3ZFRD



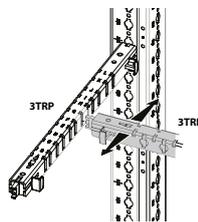
**■ 6.2 Functional upright Cat.No 3PR...**

Can be fixed horizontally, vertically, or in depth within the enclosure to create a partial frame  
Set of 2  
Supplied with mounting brackets



**■ 6.3 Quick mounting depth crosspiece Cat. No 3TRP...**

Tool-free mounting on enclosure structural uprights, for depths up to 800 mm.  
For greater depths, add an intermediate structural upright.  
Includes markings to facilitate equipment installation  
Set of 4 crosspieces

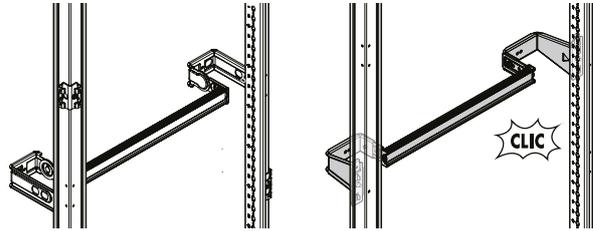


**■ 6.4 Quick mounting width crosspiece Cat.No 3TRL...**

Tool-free mounting on depth crosspieces of enclosures with a maximum width of 800 mm.  
Includes markings to facilitate centering of the mounting plate  
Set of 2 crossbars

**■ 6.5 Rails**

Allow the installation of modular devices or molded-case circuit breakers (DPX<sup>3</sup>160, DPX-IS 250, or DPX<sup>3</sup>250 etc). Possibility to mount both modular devices and molded-case circuit breakers on the same rail using a spacer

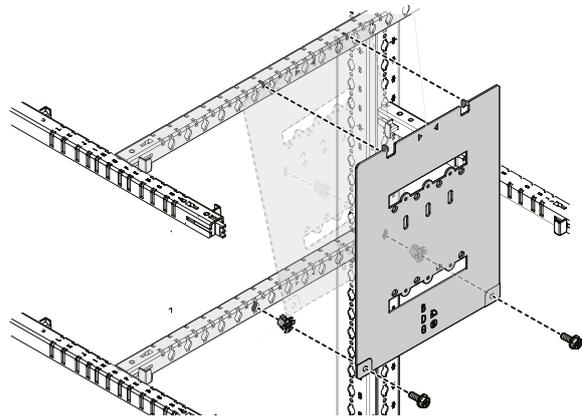


Cat.Nos 3DIN045 / 3DIN060 : screw mounting on the structural uprights of enclosure width 450 mm or 600 mm.

Cat.Nos 3DIN070 / 3DIN080 / 3DIN140 : Tool-free mounting on the structural uprights of enclosures width 700, 800, or 1400 mm

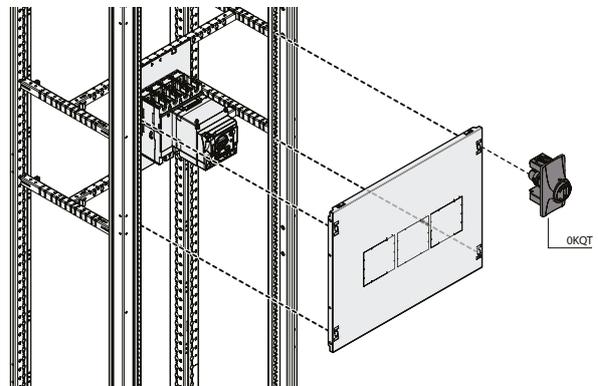
**■ 6.6 Mounting plates**

To be mounted on width crosspiece Cat.No 3TRL.. by clipping the mounting plate onto the upper crosspiece and screwing it onto the lower part of the plate.. The mounting plate is self-centering on the crosspiece using alignment marking



**■ 6.7 Faceplate**

To be mounted on the front plate supports using the 1/4 turn locking accessory, Cat.No 0KQT



**6. EQUIPMENT (continued)**

**6.8 Cable fastening crossbar**

Set of 2 – Galvanized steel  
 Allow cable fastening using cable ties and the installation of supports for horizontal terminal blocks.  
 Pre-positioning by hooking before final screw fastening.

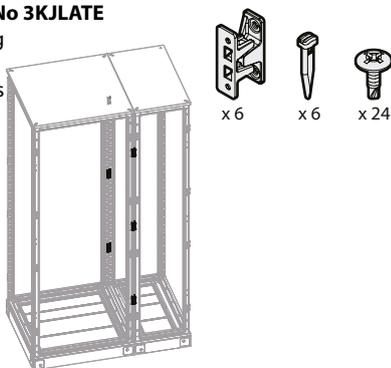
| Cat.Nos | For enclosure width or depth (mm) |
|---------|-----------------------------------|
| 3TRC040 | 400                               |
| 3TRC060 | 600                               |
| 3TRC080 | 800                               |
| 3TRC100 | 1000                              |

Possible uses detailed in the instructions:  
 - Bracing bar for depth or width  
 - Rail support for terminal block with Cat.No 3DINR060/070/080

**6.9 Enclosure assembly kit**

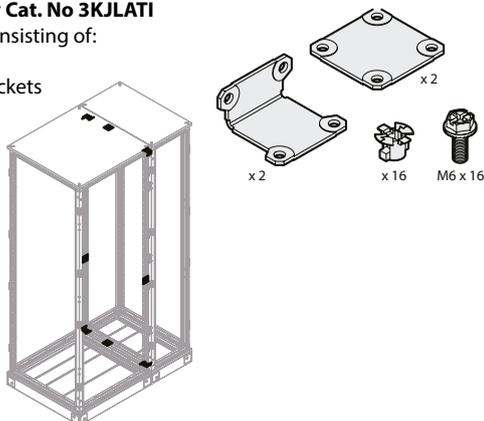
**External assembly Cat.No 3KJLATE**

Assembly set consisting of:  
 - 6 assembly components (right + left)  
 - 6 retaining shafts  
 - fasteners



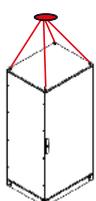
**Inner assembly Cat. No 3KJLATI**

Assembly set consisting of:  
 - 4 brackets  
 - 2 coupling brackets  
 - nut clips  
 - fasteners

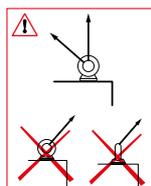


**6.10 Lifting**

**Lifting rings Cat.No 3KLIFTA**  
 Set of 4 lifting rings

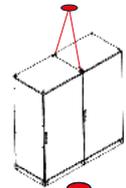
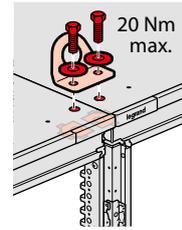
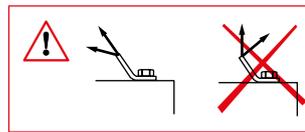


Max load: 1000 kg

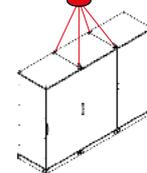


**Lifting angles Cat.No 3KLIFTB**

Set of 2  
 Balances the load between 2 enclosures during lifting.



Maximum load when 2 enclosure are joined: 930 kg

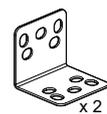


Maximum load when 3 enclosure are joined: 1400 kg

**7. ACCESSORIES**

**7.1 Wall mounting bracket Cat.No 3P47702**

Direct mounting on the enclosure.  
 Accessories for wall mounting not supplied.  
 Stainless steel  
 Dimensions : 100 x 90 x 90 mm thickness 3 mm  
 Slot 20 x 16 mm



**8. STANDARDS AND REGULATIONS**

Compliant with regulations for public-access buildings and workplaces

**RoHS**

Compliance with the 2011/65/EU Directive (RoHS), as modified by the 2015/863/EU Delegated Directive, on the restriction of the use of certain hazardous substances in electrical and electronic equipment

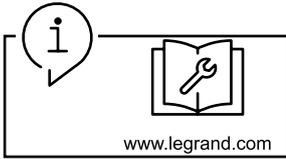
**REACH**

The substances identified as SVHC (Substances of Very High Concern) according to the REACH Regulation (1907/2006), if present in the products at a concentration above 0.1% weight by weight, are declared inside the European SCIP database. At the date of publication of this document none of the substance listed in the annex XIV is found in this product.

**Packaging**

Design and manufacture of packaging compliant with European Directive 94/62/CE.

## 9. OTHER INFORMATION



**Instruction sheet** : detailed mounting procedures, available on e-catalog

**Workshop manual** : mounting information, equipment, accessories and other information available on e-catalog

**Logistics guide**: handling and transport information for cabinets, available on e-catalog

**PEP** : available on e-catalog

**XLPro4 Calcul** : Calculation notes creation software, addressed to installers, design office and maintenance operators. Definition of the electrical characteristics of a low voltage installation in compliance with the applicable standards.

**XLPro4 Panels** : Distribution panel design software, addressed to panelbuilders and electrical panel designers. Design of the electrical distribution of the panel, production of electrical diagrams, establishment of products and overall costing of the project.