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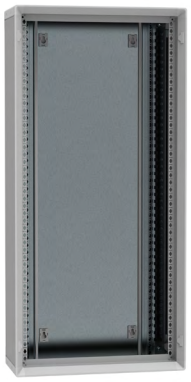
Metal distribution cabinets and enclosures XL³ HP 630

Cat.Nos: 2AR07512/24/36 - 2AR09012/24/36 2AR10512/24/36 - 2AR12012/24/36 - 2AR13512/24/36 2AR15012/24/36 - 2AR16512/24/36 - 2AR18012/24/36 2AR19512/24/36

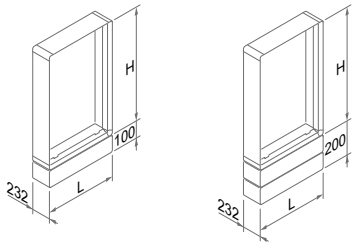

1. GENERAL CHARACTERISTICS

The XL³ HP 630 enclosures and cabinets allow energy distribution up to 630 A, available in widths of 12, 24, or 36 modules and with a total height ranging from 806 to 2006 mm.
36-module enclosures can be fitted with an internal cable sleeve.
12-module enclosures can be used as an external cable sleeve.
They are supplied for assembly with functional uprights fixed to the back (with markings indicating equipment mounting positions) and pre-cut panels. They can be equipped with a solid metal door or a flat glass door.
Mounting is possible on the floor with a base or on the wall.
Suitable for residential, commercial, and light industrial installations.

2. DIMENSIONS

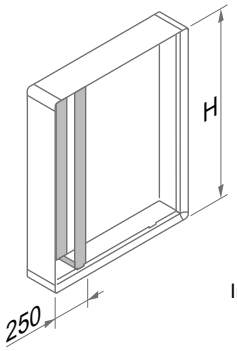
2.1 Dimensions and weight

Configuration examples



	Faceplate height (mm)	H (mm)	W (mm)	D (mm)	Weight (kg)
12 modules					
2AR07512	750	806	400	232.2	12.29
2AR09012	900	956			14.04
2AR10512	1050	1106			15.78
2AR12012	1200	1256			17.53
2AR13512	1350	1406			19.26
2AR15012	1500	1556			21.01
2AR16512	1650	1706			22.76
2AR18012	1800	1856			24.50
2AR19512	1950	2006			26.25

	Faceplate height (mm)	H (mm)	W (mm)	D (mm)	Weight (kg)
24 modules					
2AR07524	750	806	600	232.2	14.73
2AR09024	900	956			16.71
2AR10524	1050	1106			18.68
2AR12024	1200	1256			20.66
2AR13524	1350	1406			22.94
2AR15024	1500	1556			24.92
2AR16524	1650	1706			26.90
2AR18024	1800	1856			28.89
2AR19524	1950	2006			30.87
36 modules					
2AR07536	750	806	850	232.2	17.61
2AR09036	900	956			19.84
2AR10536	1050	1106			22.11
2AR12036	1200	1256			25.03
2AR13536	1350	1406			27.29
2AR15036	1500	1556			29.56
2AR16536	1650	1706			31.83
2AR18036	1800	1856			34.11
2AR19536	1950	2006			36.38



Internal cable sleeve width : 250 mm

2. DIMENSIONS *(continued)*

■ 2.2 Doors

The doors are fitted with a rod mechanism featuring two locking points (top and bottom) and a sealing gasket.
They are supplied with a handle to be installed
- 1/4 turn handle for doors with a height less than or equal to 1350 mm
- Lever handle for doors with a height from 1500 to 1950 mm

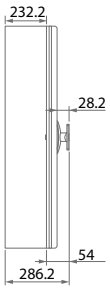
Flat metal door

Flat glass door

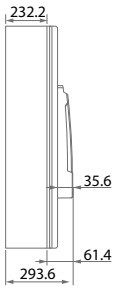
Faceplate / solid door distance: 63 mm
Faceplate / glass door distance: 59 mm

■ 2.3 Dimensions of enclosures with doors

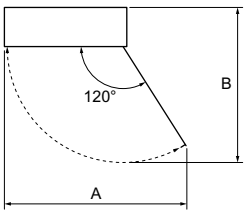
1/4-turn handle



Lever handle



	A (mm)	B (mm)
12 modules	585.3	629
24 modules	885.3	829
36 modules	1266	1083



3. TECHNICAL CHARACTERISTICS

■ 3.1 Degree of protection

IP 30 with faceplate and without door, IP 40 with door, and IP 43 with door and gasket, Cat. No. 2KIP43
IK 07 without door, IK 08 with door

■ 3.2 Material characteristics

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

Halogen-free
Glow wire test at 750°C

■ 3.3 Electrical characteristics

Rated current (In): 630 A
Rated operational voltage (Ue): 415 V AC - 50/60 Hz
Rated insulation voltage (Ui): 690 V AC - 50/60 Hz
Rated impulse withstand voltage (Uimp): up to 8 kV
Short-circuit current (Icc): 50 kA
Rated short-time withstand current (Icw): 36 kA / 0.5 s with aluminum bars

Thermal Dissipation Table with a Maximum Permissible Current of 630 A and a Temperature Rise (ΔT) of 30 K.
Configuration: The rear surface is in contact with a wall, all other surfaces are free.

Determination by testing of the maximum heat dissipation capacity of an enclosure according to IEC 61439-1 (section 10.10.4).
Determination by testing of the maximum heat dissipation capacity of an enclosure according to IEC 62208-1.

Cat.Nos	Dissipated Power (W)		
	IP30	IP40	IP43
12 modules			
2AR07512	208	184	163
2AR09012	245	217	192
2AR10512	298	264	233
2AR12012	345	305	270
2AR13512	374	331	293
2AR15012	410	363	321
2AR16512	414	366	324
2AR18012	436	386	342
2AR19512	470	416	368
24 modules			
2AR07524	272	240	213
2AR09024	311	276	244
2AR10524	379	335	297
2AR12024	381	337	299
2AR13524	402	355	314
2AR15024	421	373	330
2AR16524	484	428	379
2AR18024	517	458	405
2AR19524	521	461	408
36 modules			
2AR07536	314	278	246
2AR09036	379	336	297
2AR10536	424	375	332
2AR12036	448	396	351
2AR13536	472	418	370
2AR15036	496	439	389
2AR16536	505	447	396
2AR18036	534	473	419
2AR19536	537	475	421

■ 3.4 Climatic characteristics

Storage and installation temperature : -10°C to +70°C
Operating temperature : -5°C to +40°C
Indoor installation required
Corrosion resistance according to standard IEC 61439

■ 3.5 Seismic Withstand Capability

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

4. MAINTENANCE

Surface cleaning with cloth.
Resistant to: hexane, methylated spirits, soapy water, diluted ammonia, 10% diluted bleach, glass cleaner, pre-impregnated wipes.

Caution: For specific cleaning products, prior testing is required..

5. STANDARDS AND REGULATIONS

Comply with the assembly requirements according to NF EN / IEC 61439-1 and 61439-2.

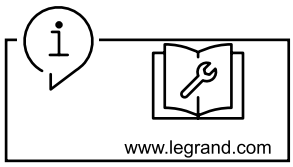
Compliant with regulations for public-access buildings and workplaces

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.

6. OTHER INFORMATION



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

Workshop manual : mounting information, equipment, accessories and other information 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.