



# Slim

Electrical cabinets for industrial, civil and service sector up to 630 A







*Later. Around you*





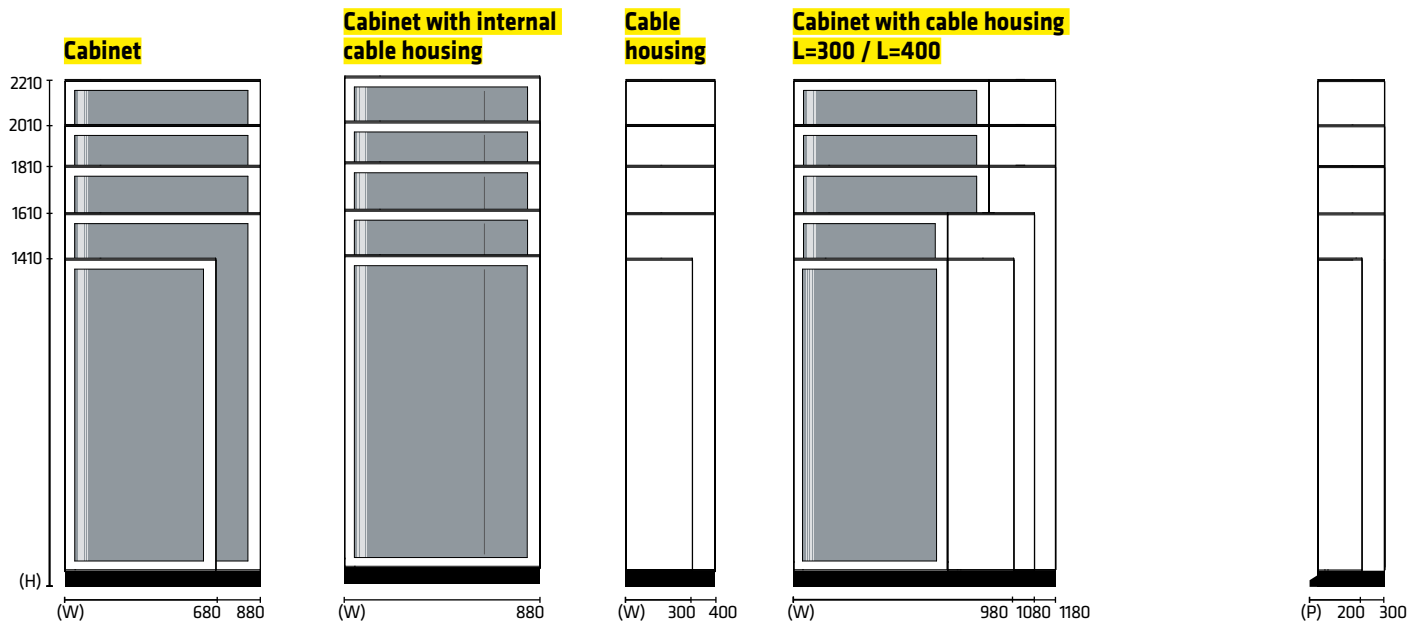
**The new series of electrical cabinets designed to have the maximum access to the wiring and to the maintenance.**

**Complete modularity of the cabinet divided by the cable housing with possibility of removing the frontal part. Same internal accessories available for Quick, Easy 630 and Compact series thanks to the ModularDIN™ system that enables rapidity and precision of assembly of modular circuit breakers.**

### Main characteristics

- Monoblock structure made of sheet with a thickness of 1,5 mm.
- Degree of protection from IP30 (open version) to IP43 with blind door or transparent door with toughened glass.
- Frontal part completely removable.
- Possibility of side connection.
- Installation of circuit breakers of all leading manufacturers (ABB, Schneider, Siemens, etc.).
- Epoxy powder coating after phosphating in RAL 7035 B (other colours on request).
- Patented and certified earth connection system.
- Full range of internal finishing accessories to provide solutions for any requirement.
- On request, stainless steel cabinet.

# Technical specifications



	Width (W) mm	Height (H) mm	Depth (D) mm
<b>Cabinet</b>	680 (24 modules)	1410 / 1610 / 1810 / 2010 / 2210 (usable space = H - 210)	200 (usable space = 125) 300 (usable space = 218)
	880 (36 modules)		
<b>Cabinet with internal cable housing</b>	880 (24 moduli)		
<b>Cabinet with cable housing</b>	680 + 300 (24 moduli)		
	680 + 400 (24 moduli)		
	880 + 300 (36 moduli)		
<b>Cable housing</b>	300		
	400		

<b>Electrical data</b>	Voltage ratings	Rated insulation voltage ( $U_i$ )	690 V
		Rated operational voltage ( $U_e$ )	400 V
		Rated impulse withstand voltage ( $U_{imp}$ )	6 / 8 / 12 kV
		Rated frequency ( $f_n$ )	50 / 60 Hz
	Current ratings	Rated current ( $I_n$ )	Up to 630 A
		Rated short-time withstand current for 1 sec. ( $I_{cw}$ )	25 kA

<b>Mechanical characteristics</b>	IP degree of protection	Internal	Up to IP2X
		External enclosure	From IP30 to IP43
	Covers height (h)	150 / 200 / 300 / 400 / 500 / 600 / 700 / 800 / 900 / 1000	
	IK test (shock resistance)	IK09 glazed door	
		IK10 blind door	
	Access	From the front / Side	
	Execution	Form 1 / Form 2a	
	Material	Structure	Pickled plate, 15/10 mm thick
		Accessories	Aluzinc® sheet steel, 15/10 mm thick
	Powder coating	Standard	RAL 7035 B light grey (orange peel)
		On request	Powder RAL colours and stainless steel
	Plastic components	Halogen-free, flame retardants, self-extinguishing, CFC-free	

All Lafer cabinets have been designed to be used in indoor environments. In case of outdoor applications, customers should require the supply of the specific rain cover. Lafer shall not be held liable for any damage resulting from the non-observance of these guidelines.



# Typology

**Cabinet:** monoblock structure made of welded sheet with a thickness of 1,5 mm.



**Cabinet with internal cable housing:** monoblock structure made of welded sheet with a thickness of 1,2 mm, with internal cable housing for cables, terminal block or busbar system.



**Cabinet with cable housing:** monoblock structure made of welded sheet with a thickness of 1,2 mm, with cable housing for cables, terminal block or busbar system.



**Cable housing:** monoblock structure made of welded sheet with a thickness of 1,5 mm, which can be positioned near the cabinet.



**IP30 frame:** it is possible to replace the glass door with the IP30 frame (open version).

## Wiring modality



**Wiring:** possibility of horizontal and vertical wiring.



**ModularDIN™ system:** rapidity of assembly and disassembly of aluminium LDIN modular rails with the new joint system without screws. It is compatible with the most splitter blocks commercially available.



**Cable ducting fastening:** kit for fixing the cable ducting vertically and horizontally.



## Outer details

**Glass door:** made of sheet 1,5 mm thick with grey toughened glass.



**Holed covers:** covers arranged with holes for devices and circuit breakers of any brand. According to the type of circuit breaker used, we supply a specific support kit.



**Hinges and locks:** an exclusive system developed by Lafer that enables a quick opening and closing of covers through screws by 1/4 turn. All covers are reversible: it is possible to invert the locks with the hinges in few seconds.



**Door disassembly:** it is possible to remove the door easily by taking out the outer pin hinge.



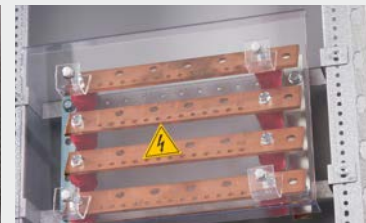
## Inner details



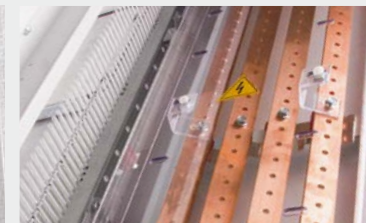
**Frontal part disassembly:** rapidity of intervention for the maintenance.



**Circuit breakers fastening:** kit for fixing modular circuit breakers, disconnecting switches and moulded case circuit breakers of any brand.



**Horizontal busbar system:** busbar system up to 630 A.



**Vertical busbar system:** busbar system located in the cable housing L=300 and L=400 up to 630 A.



**Vertical segregation:** possibility to divide the cabinet between switches zone and busbars compartment.



**Fixing bracket:** terminal block cables and cable ducting.