



# **HYPERline Series**

Wall Mounting 19" Cabinets



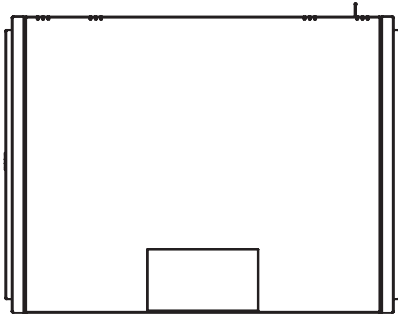
## HYPERline Series - Wall Mounting 19" Cabinets

### Compliance :

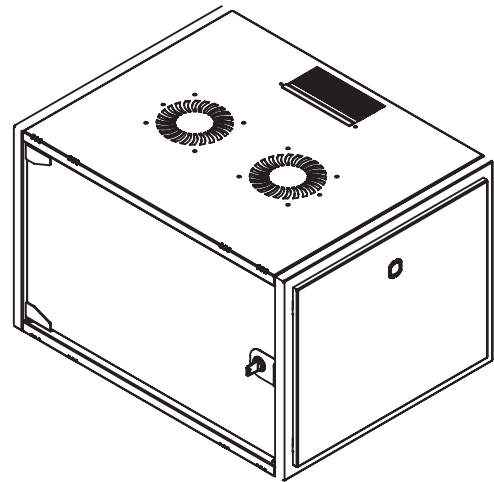
- EN 12150-1 Compliant Tempered, anti-static, secure, grinded edges  
Glass front door- t:4,0mm
- DIN 1743 , DIN 53571 , RoHS Compliant barrel quarter turn lock
- EN 60297 - Mechanical structures for electrical and electronic equipment. Dimensions of mechanical structures of the 482,6 mm (19 in) series
- EN 60917 Modular order for the development of mechanical structures for electronic equipment practices. Generic standard
- EN 61587-1 Mechanical structures for electronic equipment - Tests for IEC 60917 and IEC 60297 series - Part 1: Environmental requirements, test set-up and safety aspects for cabinets, racks, subracks and chassis under indoor conditions
- Climatic and Environment: EN 61587-1/4.2, IEC60068-2-1, IEC60068-2-2 , IEC60068-2-30,
- Static Mechanical Load Lifting: EN 61587-1/5.2.1
- Static Mechanical Load Stiffness: EN 61587-1/5.2.2
- Dynamic Mechanical Load Vibration and Shock , Impact: EN61587-1/5.3.1,EN61587-1/5.3.3,IEC60068- 2-6, IEC60068-2-27,
- Earth Bond: EN61587-1/6.2
- Flammability: EN 61587-1/6.3
- Degrees Of Protection Provided By Enclosures (Ip Code): IP20, EN61587-1/6.4
- EN 13501-1+ A1- Epoxy Powder coated compliant to Fire classification of construction products and building elements - Part 1: Classification using data from reaction to fire tests
- Epoxy Powder coating tested as per EN ISO 9227 Corrosion tests in artificial atmospheres - Salt spray tests, EN ISO 2409 Paints and varnishes - Cross-cut test, EN ISO 2178 Non-magnetic coatings on magnetic substrates Measurement of coating thickness - Magnetic method
- RoHS Compliacy according to 2011/65/EU
- CE Compliant to EN 60950-1
- Sheet Steel Compliant to EN 10130 Cold Rolled Sheet Steel with DC-01 6112 or 7122 grade
- Fixing elements are compliant to Connection elements (bolt, nuts, shim, etc.) “ DIN 7985 , DIN 965 , DIN 7981 , DIN 934 , DIN 985 , DIN 933- coated according to EN ISO 2081 Metallic and other inorganic coatings - Electroplated coatings of zinc with supplementary treatments on iron or steel
- **Production Standards**  
ISO 9001- Quality Management System  
ISO 14001- Environmental Management System



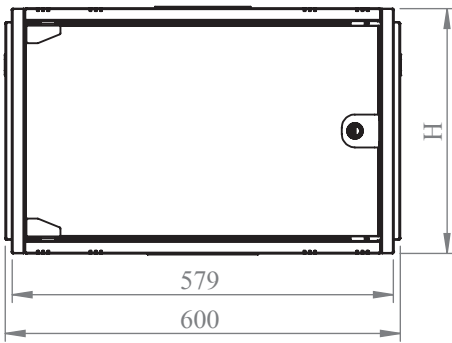
# HYPERline Series - Wall Mounting 19" Cabinets



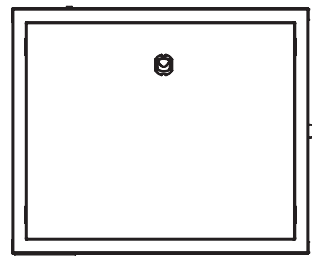
Bottom view



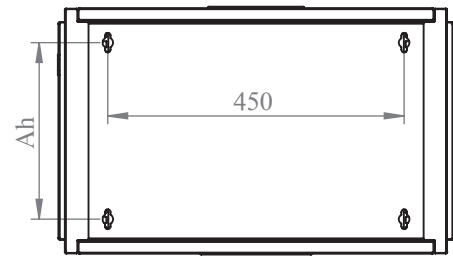
Isometric view



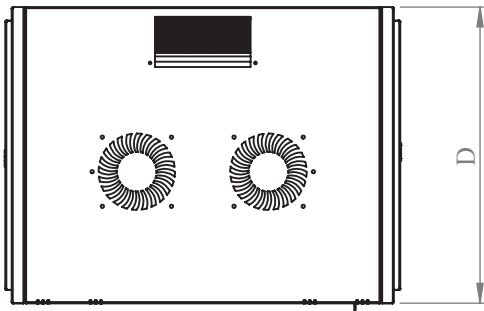
Front view



Side view



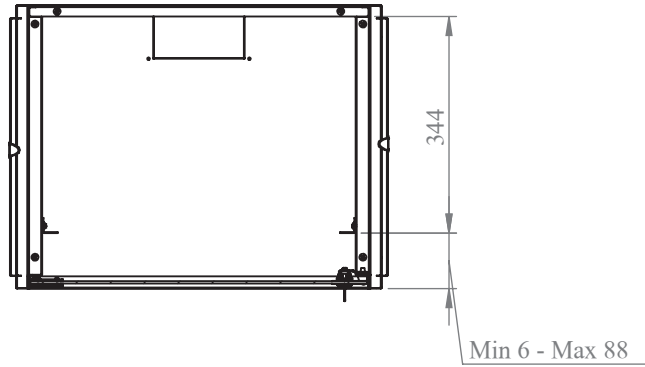
Rear view



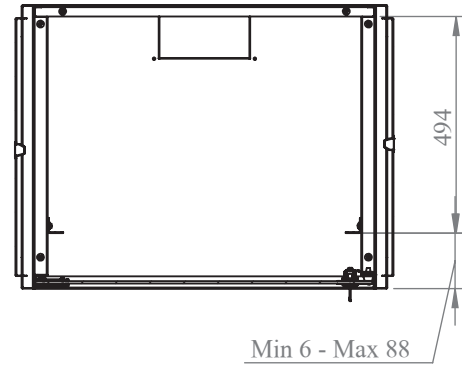
Top view

| Part Definition              | Material Quality                 | Material Thickness (mm) | Shipment Configuration |
|------------------------------|----------------------------------|-------------------------|------------------------|
| Main body (Structure)        | DIN EN 10130-DC-01-6112 CRS      | 0,8 mm                  | 1                      |
| Front Door                   | EN 12150-1 Tempered Secure Glass | 4 mm                    | 1                      |
| 19" Equipment Mounting Rails | DIN EN 10130-DC-01-6112 CRS      | 1,5 mm                  | 2                      |
| Rear Panel                   | DIN EN 10130-DC-01-6112 CRS      | 1,2 mm                  | 1                      |
| Side Panels                  | DIN EN 10130-DC-01-6112 CRS      | 0,8 mm                  | 2                      |
| Side Frame Module            | DIN EN 10130-DC-01-6112 CRS      | 0,8 mm                  | 2                      |

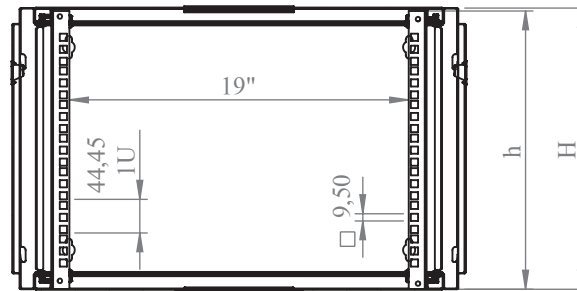
## HYPERline Series - Wall Mounting 19" Cabinets



Max / min equipment  
mounting distance (450)



Max / min equipment  
mounting distance (600)



Dimensions in width  
and height

### HYPERline Series - Wall Mounting 19" Cabinets W600mm x D450mm

| Product Number       | Description                               | U Height | Ah Wall Assembly Height mm | h Inner Height mm | H Outer Height mm | Depth mm |
|----------------------|-------------------------------------------|----------|----------------------------|-------------------|-------------------|----------|
| LN-HL-04U6045-CC-A/F | 04U 19" W600xD450mm Wall Mounting Cabinet | 04U      | 135                        | 235               | 239               | 450      |
| LN-HL-07U6045-CC-A/F | 07U 19" W600xD450mm Wall Mounting Cabinet | 07U      | 268                        | 368               | 372               | 450      |
| LN-HL-09U6045-CC-A/F | 09U 19" W600xD450mm Wall Mounting Cabinet | 09U      | 357                        | 457               | 461               | 450      |
| LN-HL-12U6045-CC-A/F | 12U 19" W600xD450mm Wall Mounting Cabinet | 12U      | 490                        | 590               | 594               | 450      |
| LN-HL-15U6045-CC-A/F | 15U 19" W600xD450mm Wall Mounting Cabinet | 15U      | 624                        | 724               | 728               | 450      |
| LN-HL-18U6045-CC-A/F | 18U 19" W600xD450mm Wall Mounting Cabinet | 18U      | 757                        | 857               | 861               | 450      |

### HYPERline Series - Wall Mounting 19" Cabinets W600mm x D600mm

| Product Number       | Description                               | U Height | Ah Wall Assembly Height mm | h Inner Height mm | H Outer Height mm | Depth mm |
|----------------------|-------------------------------------------|----------|----------------------------|-------------------|-------------------|----------|
| LN-HL-04U6060-CC-A/F | 04U 19" W600xD600mm Wall Mounting Cabinet | 04U      | 135                        | 235               | 239               | 600      |
| LN-HL-07U6060-CC-A/F | 07U 19" W600xD600mm Wall Mounting Cabinet | 07U      | 268                        | 368               | 372               | 600      |
| LN-HL-09U6060-CC-A/F | 09U 19" W600xD600mm Wall Mounting Cabinet | 09U      | 357                        | 457               | 461               | 600      |
| LN-HL-12U6060-CC-A/F | 12U 19" W600xD600mm Wall Mounting Cabinet | 12U      | 490                        | 590               | 594               | 600      |
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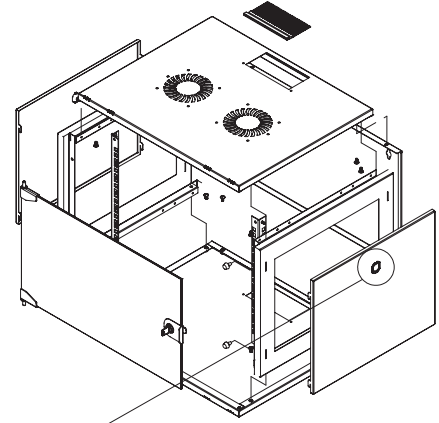
# HYPERline Series - Wall Mounting 19" Cabinets

## Other Features and Details:

Side panels in shipping configuration being delivered with 2 pcs side panel closure lock hole- which allows by finger to lift off the side panels. In case required more Security in side panels extra set of barrel side panel quarter turn lock can be ordered.

## 2 Options for side panel closure lock hole

- 1) Default (Shipping configuration) plastic lock hole closure
- 2) Lock for side panel (O-type)



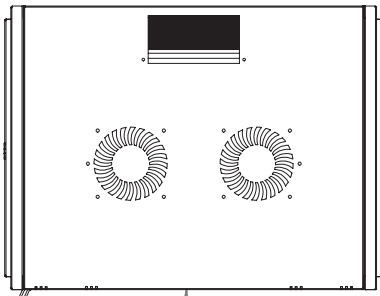
### Plastic lock hole closure.

It does not lock the side closure. It allows you to open the side closure by simply pulling it up with your finger.



### O-type lock

It does lock the side panel closure.



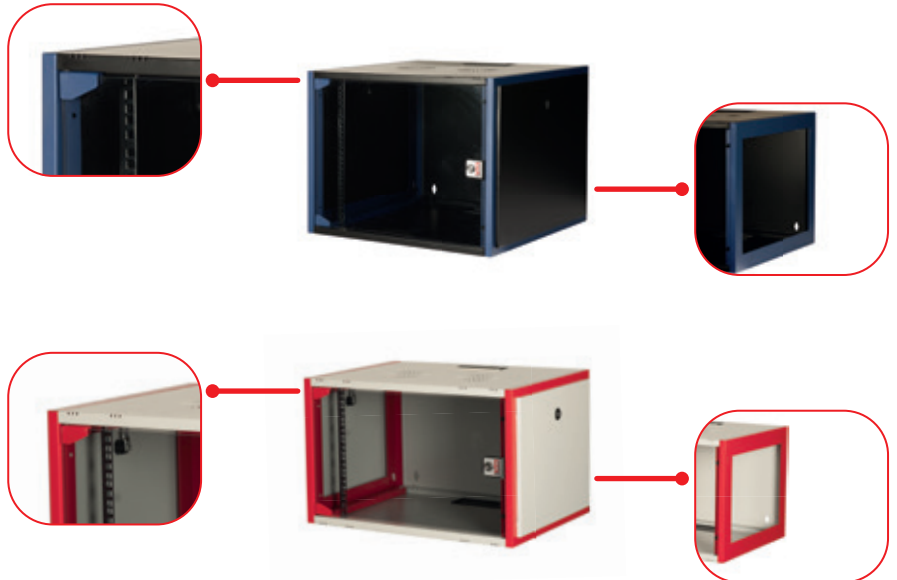
Front door opening angle

## Other Features and Details:

Front glass door opens at 115 degree angle.

## Other Features and Details:

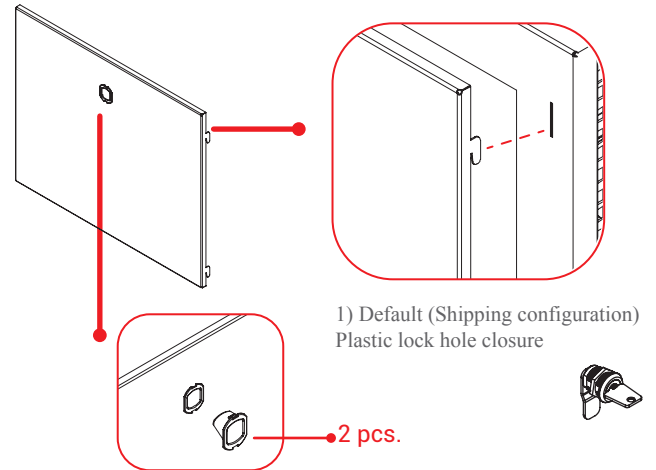
Lock on front door has a plastic handle housing the Lande Logo.



# HYPERline Series - Wall Mounting 19" Cabinets

## Other Features and Details:

Side panels holds the side frame with its hooks to incase security.  
The side panels can be equipped with barrel quarter turn lock with a key.



## Other Features and Details:

Flat pack helps saving logistics and warehousing costs.



## Other Features and Details:

Lock on front door has a plastic handle housing the Lande Logo.



## Other Features and Details:

Rubber glass door stoppers.

# HYPERline Series - Wall Mounting 19" Cabinets Accessories

Fan Modules for wall Mounting, Ready pre-installed, plug-in and run style, with on/off switches or with analog thermostat and plugs. Each Fan has an air flow capacity of 2,3-3 cbm/min. Fan Technical data: 18/17 W, 220/240 VAC, 50/60 Hz, 013/0,11 A, 2300/3000 rpm 42 dB noise level, Fan life: 50.000 hours



## FAN MODULE ON/OFF SWITCHED BALL BEARING LONG LIFE FAN-50.000 hours- HIGHEND DESIGN -CONCEPT-AND TECHNICAL CHARACTERISTICS

| Part Nr            | Series    | Product Description                             |
|--------------------|-----------|-------------------------------------------------|
| LN-FAN-ONF-1FWM-CC | ACCESSORY | 1 Fan Module on/off switched Wall Mounting Type |
| LN-FAN-ONF-2FWM-CC | ACCESSORY | 2 Fan Module on/off switched Wall Mounting Type |

\*\*\* Add UK notation at the end of Part Number- example LN-FAN-ONF-1FWM-BL-UK for UK BS1363 Plug  
\*\*\*\* CC= Color codification- Replace CC with BL for Black RAL 9005 Color- and Replace CC with LC for Light Grey RAL 7035 Color

## FAN MODULE THERMOSTAT SWITCHED BALL BEARING LONG LIFE FAN-50.000 hours- HIGHEND DESIGN -CONCEPT-AND TECHNICAL CHARACTERISTICS

| Part Nr            | Series    | Product Description                                 |
|--------------------|-----------|-----------------------------------------------------|
| LN-FAN-THM-1FWM-CC | ACCESSORY | 1 Fan Module thermostat switched Wall Mounting Type |
| LN-FAN-THM-2FWM-CC | ACCESSORY | 2 Fan Module thermostat switched Wall Mounting Type |

\*\*\* Add UK notation at the end of Part Number- example LN-FAN-THM-1FWM-BL-UK for UK BS1363 Plug  
\*\*\*\* CC= Color codification- Replace CC with BL for Black RAL 9005 Color- and Replace CC with LC for Light Grey RAL 7035 Color

## FAN MODULE ON/OFF SWITCHED BALL BEARING LONG LIFE FAN-50.000 hours ECONOMIC

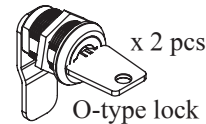
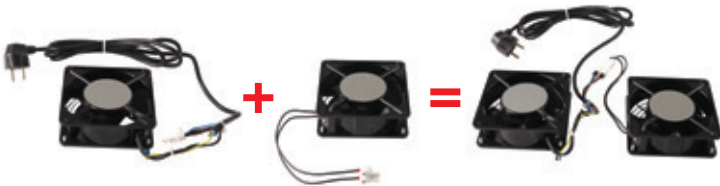
| Part Nr           | Series    | Product Description                             |
|-------------------|-----------|-------------------------------------------------|
| LN-FAN-BB-1FPR-CC | ACCESSORY | 1 way Fan Module On/off Switched RAL 9005 Black |
| LN-FAN-BB-2FPR-CC | ACCESSORY | 2 way Fan Module On/off Switched RAL 9005 Black |

\*\*\* Add UK notation at the end of Part Number- example LN-FAN-BB-1FPR-BL-UK for UK BS1363 Plug  
\*\*\*\* CC= Color codification- Replace CC with BL for Black RAL 9005 Color- and Replace CC with LC for Light Grey RAL 7035 Color

## FAN MODULE THERMOSTAT CONTROLLED BALL BEARING LONG LIFE FAN-50.000 hours ECONOMIC

| Part Nr           | Series    | Product Description                                   |
|-------------------|-----------|-------------------------------------------------------|
| LN-FAN-BB-1FPT-CC | ACCESSORY | 1 way Fan Module Thermostat Controlled RAL 9005 Black |
| LN-FAN-BB-2FPT-CC | ACCESSORY | 2 way Fan Module Thermostat Controlled RAL 9005 Black |

\*\*\* Add UK notation at the end of Part Number- example LN-FAN-BB-1FPT-BL-UK for UK BS1363 Plug  
\*\*\*\* CC= Color codification- Replace CC with BL for Black RAL 9005 Color- and Replace CC with LC for Light Grey RAL 7035 Color



## ECONOMIC EXTENDABLE FAN MODULES- NO ANY METAL HOUSING BALL BEARING LONG LIFE FAN-50.000 hours ECONOMIC+

| Part Nr          | Series    | Product Description                                                                                                       |
|------------------|-----------|---------------------------------------------------------------------------------------------------------------------------|
| LN-FAN-HL-1FBB-M | ACCESSORY | Single Fan- with Grill- 1,8meter Power Cable DIN49441 Schuko Plug and Extension Terminal Male- Ball Bearing Long life Fan |
| LN-FAN-HL-1FBB-E | ACCESSORY | Single Fan- with Grill- Extension Terminal Female Ball Bearing Long life Fan                                              |

\*\* LN-FAN-HL-1FBB-E is Just a fan for making cabinet equipped with 2 fans- used with main product LN-FAN-HL-1FBB-M and add the extension fan  
\*\*\* Add UK notation at the end of Part Number- example LN-FAN-HL-1FBB-M-UK for UK BS1363 Plug

## SIDE PANEL BARREL LOCK SET

| Part Nr         | Series    | Product Description                    |
|-----------------|-----------|----------------------------------------|
| LN-LOCK-KIT-HPL | ACCESSORY | 1 set 2 pcs Side Panel Barrel Lock Set |

\*\* Side panels are equipped with plastic lock hole closure- which allows your finger to lift of side panels. Incase more security is required a set of LN-LOCK-KIT-HPL to be ordered per cabinet.

## EQUIPMENT MOUNTING RAILS for HYPERline WALL CABINETS

| Part Nr             | Series    | Product Description                                                                  |
|---------------------|-----------|--------------------------------------------------------------------------------------|
| LN-PRF-CMD-04UEU-ZN | ACCESSORY | 4U 19" Equipment Mounting Rails 1set:2pcs (left/right) HYPERline Wall Mounting Type  |
| LN-PRF-CMD-07UEU-ZN | ACCESSORY | 7U 19" Equipment Mounting Rails 1set:2pcs (left/right) HYPERline Wall Mounting Type  |
| LN-PRF-CMD-09UEU-ZN | ACCESSORY | 9U 19" Equipment Mounting Rails 1set:2pcs (left/right) HYPERline Wall Mounting Type  |
| LN-PRF-CMD-12UEU-ZN | ACCESSORY | 12U 19" Equipment Mounting Rails 1set:2pcs (left/right) HYPERline Wall Mounting Type |
| LN-PRF-CMD-15UEU-ZN | ACCESSORY | 15U 19" Equipment Mounting Rails 1set:2pcs (left/right) HYPERline Wall Mounting Type |
| LN-PRF-CMD-18UEU-ZN | ACCESSORY | 18U 19" Equipment Mounting Rails 1set:2pcs (left/right) HYPERline Wall Mounting Type |

\*\* All HYPERline Wall Mounting Cabinets supplied with 2 pcs 19" Equipment mounting Rails in Front, for additional set of 19" rails, please order as accessory from above list.

