



OVERVIEW

Zemecs provides durable, weather-resistant outdoor rack cabinets designed to protect critical equipment in any environment. The ExPro and ExPro HD series enclosures are specifically engineered to house essential IT hardware in outdoor applications.

The **ExPro** series features a single-wall construction made from 1.2mm sheet metal, while the **ExPro HD** series is built with a thicker 1.5mm wall for enhanced durability. Both models meet key industry standards, including EN 61587-1, EN 62208, and EN 60529, ensuring high mechanical and climatic performance. These enclosures are available in heights ranging from 7U to 26U and supplied with 60x45 cm. and 60x60 cm. size options.

APPLICATIONS

- Indoor and outdoor telecommunications networks
- Control panels and distribution boards in industrial environments
- Outdoor Wi-Fi connectivity
- Public security surveillance
- Renewable energy infrastructures
- Coastal and marine applications

FEATURES

- Constructed from galvanized sheet metal
- Designed with IP55 protection for resistance to extreme weather conditions
- Built with a steel frame capable of supporting loads up to 400kg.
- Equipped with a fully gasketed front door and a 3-point locking mechanism for enhanced security
- Offered in various heights ranging from 7U to 26U
- Supplied in two size options: 60x45 cm and 60x60 cm
- Features adjustable vertical mounting rails with U-height markings
- Supports the installation of cooling units with two fans and a temperature control unit
- Compatible with optional plinth modules up to 400mm in height
- Optional isolation module can be used for a double wall construction
- Designed for pole and wall mounting using dedicated mounting kits
- Coated with polyester paint for superior corrosion resistance
- Available in standard light grey (RAL7035), with customization options in other colors
- Can be supplied with multiple compartments upon request
- Fitted with either round or handle-type locks
- Provides a wide range of accessory options

**GENERAL SPECIFICATIONS**

Construction Material	Sheet Steel, DIN EN 10130-99 / DC-01 6112 / DC-7122
Mounting Rails Material	Galvanized steel
Coating	Electrostatic powder coating on all surfaces
Colour	RAL 7035(standard)
Lock	ExPro: Round type lock ExPro HD: Handle type metal lock in plastic housing
Max. # Of Fans	2 (with temperature control unit)
Sheet Metal Thicknesses (mm.)	ExPro: 1,2mm. ExPro HD: 1,5mm.
Max. Load Capacity	400 kg.

MECHANICAL PERFORMANCE

- Complies with EN 61587-1 5.2.1 / 5.2.3
- Static mechanical load test (Performance level SL 12)
- Stiffness test (Performance level ST5)
- Dynamic mechanical load test (Performance level DL4V)
- Resonance point detection test Duration of the test at each frequency was 10 minutes
- Vibration test (Sinus-IEC 60068-2-6:Fc; 2007)
- Shock test (IEC 60068-2-27:Ea; 1987) Performance level DL4S
- Impact test (IEC 60068-2-75:Eh; 2014) (Performance level IK10)
- IEC60917 – IEC 60297 standards

CLIMATIC PERFORMANCE

- Cold (IEC 60068-2-1 :2007;Ab) Temperature Of The Exposure: -25°C +/-3°C
- Dry Heat (IEC 60068-2-2 :2007;Bd) Temperature Of the Exposure: +70°C +/-2°C
- Damp Heat Cyclic (IEC 60068-2-30:2005;Db ; (cyclic 2x), variant 2)

INDUSTRIAL ATMOSPHERE (Performance level A2)

- Salt Mist Test IEC 60068-2-11
- Salt Spray Test TS EN ISO 9227
- Sulphur Dioxide Test and Hydrogen Sulphide Test (IEC 60068-2-42, IEC 60068-2-43 and IEC 60068-2-49)

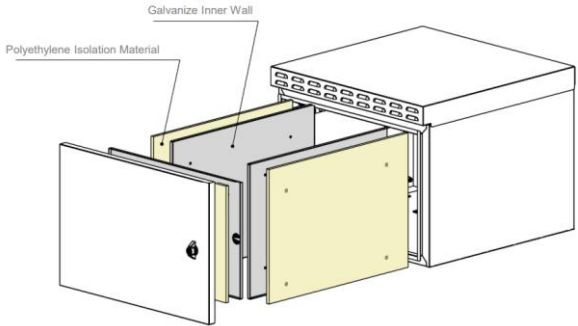
COMPLIANT STANDARDS FOR MATERIALS

- **Sheet Metal:** TS EN ISO 9001:2008, TS EN 10130 :2006, DIN EN 1030- EQV, BS EN 1030-EQV, NF A36-401
- **Polyester Paint:** ISO 9001:2015 ASTM D523, ASTM D2794, DIN EN ISO 2811-1, ASTM D1186/D1400
- **Cooling Modules (Fan Units):** EMC EN55032:2015 & LVD IEC 62368-1:2018
- **Connection Components (screw, nut, washer etc.):** TS EN ISO 7045, TS EN ISO 4032, RoHS IEC 62321
- **Locks:** DIN-EN ISO 1043-1 PA6 GFR 30, DIN-EN 1774-ZnAl4Cu1

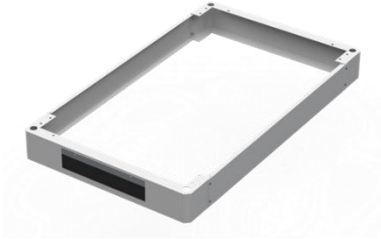
ACCESSORIES



Pole Type Fixing Bracket Set ,Universal Type
Part Number: DAFX-P



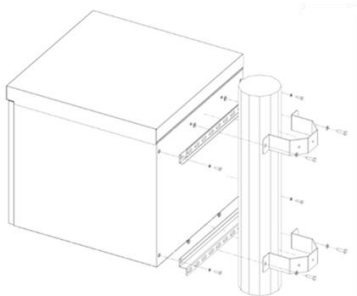
Isolation Module, PE
Part Number: DIFX-M



Plinth Modules
Part Number: DPFX



Pole Type Fixing Bracket Set For Multi-edge Type Poles
Part Number: DAFX-M



PHYSICAL SPECIFICATIONS, EXPRO & EXPRO HD SERIES

Part Nr.	Mounting Rail Height (U)	Inner Height (mm.)	Overall Height (mm.)*	Width (mm.)	Depth (mm.)
DKF8-507-S21	328	311	466	600	450
DKF8-509-S21	417	400	555	600	450
DKF8-512-S21	550	533	689	600	450
DKF8-516-S21	727	711	866	600	450
DKF8-520-S21	906	889	1.044	600	450
DKF8-526-S21	1.172	1.156	1.311	600	450
DKF8-507-S41	328	311	466	600	600
DKF8-509-S41	417	400	555	600	600
DKF8-512-S41	550	533	689	600	600
DKF8-516-S41	727	711	866	600	600
DKF8-520-S41	906	889	1.044	600	600
DKF8-526-S41	1.172	1.156	1.311	600	600

PART NUMBER CODING

Part Nr.	Product Description
DKF8-5UU-S21	Zemecs ExPro 60x45cm. IP55 Field Closure, Single Wall, 1,2mm. Sheet Metal, With Round Type Lock, Light Grey(RAL7035)
DKF8-5UU-S41	Zemecs ExPro 60x60cm. IP55 Field Closure, Single Wall, 1,2mm. Sheet Metal, With Round Type Lock, Light Grey(RAL7035)
DKF8-5UU-T21	Zemecs ExPro HD 60x45cm. IP55 Field Closure, Single Wall, 1,5mm. Sheet Metal, With Handle Type Lock, Light Grey(RAL7035)
DKF8-5UU-T41	Zemecs ExPro HD 60x60cm. IP55 Field Closure, Single Wall, 1,5mm. Sheet Metal, With Handle Type Lock, Light Grey(RAL7035)

UU: Height	
07	07U
09	09U
12	12U
16	16U
20	20U
26	26U