

455 Series IP55 Outdoor Wall Mounting Cabinets



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600mm wide 455 Series IP55 Outdoor Wall Mounting Cabinets

The 455 Series IP55 Outdoor Wall Mounting Cabinets are designed for industrial applications. Based on EN60529 providing IP55 protection against dust and water ingress.

Applications include open areas subjected to falling dirt and wind blown dust particles, rain, snow or splashing water.

Fully gasketed door, with 3 point locking system, isolated cable entries provide protection against water and dust ingress. 1.5mm thick monoblock welded construction, with Epoxy Polyester type powder coating to RAL 7035 Light Grey colour, providing corrosion resistance.

Fresh air filtered inlets to the sides of the cabinet provide natural ventilation. By adding 1 Fan or 2 Fan Modules, forced ventilation can be achieved.



455 Series IP55 Outdoor Wall Mounting Cabinets

Standards and Compliances



ISO 9001:2008

Quality Management System

EN 61587 -1:2012

Mechanical Structures for
Electronic Equipment

IEC 297-1, 19" mounting

IEC 297-2 Overall cabinet dimensions

EN 60529- IP55 protection class



CE conform to

EN 60950-1:2006

Information Technology
Equipment – Safety – Part-1-
General Requirements



Environment Friendly

*Environmental awareness

*RoHS compliancy

*% 100 Recyclable Material



Specification

- Width = 600mm
- Depth = 450/600mm
- 4 different Standard U heights:
7U, 9U, 12U & 16U
- Load Capacity: 100kgs.
- Standard colour: RAL 7035 Light Grey

455 Series IP55 19" Outdoor Wall Mounting series Enclosures
width 600mm and depth 450/600mm, in 4 different 'U' heights,
gives a wide selection for users.

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Construction Details



- Integrated Fan Filter Housings create fresh air inlets, performing to IP54 protection against water and dust ingress. With the metal cap in place the enclosure is protected against splashing water.
- The fitted roof Canopy provides IP54 protection covering the optional 1 or 2 Fan Modules on the ABS Grill Housing. A series of louvred vents along the front edge allows hot air to escape. See options of hot air removal on drawings.
- The cast Iron Handle with 3 point locking system provides security and anti-vandal protection.
- IP55 conforming cable entry points, multiple access with 2xPG21, 1xPG48 integrated cable entry points, 2x28mm diameter PVC Blind cap.
- Grounded front door to the main body with yellow/green 4.0mm diameter copper wire.
- The front door has a strengthening bar welded on the inside for extra security.
- The 19" mounting rails are double angle and printed with 'U' heights both ways, enabling the user to count from top down or vice versa. They are made from 1.5mm steel with Zinc plating for corrosion resistance, supplied to the front of the cabinets only.

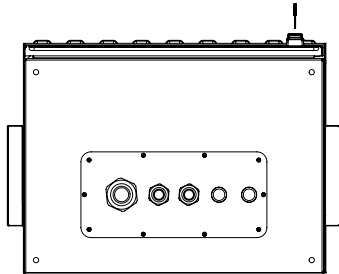


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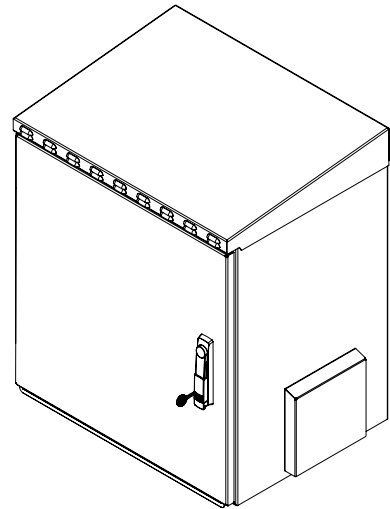
Construction Drawings

Width: 600 mm

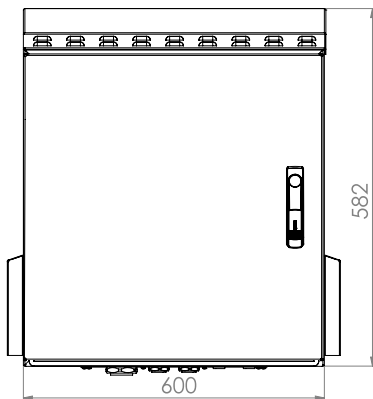
Depth: 450/600 mm



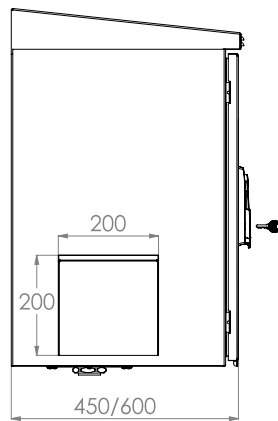
BOTTOM VIEW



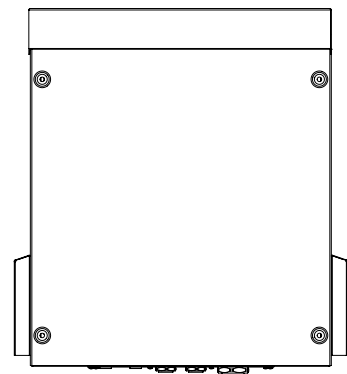
ISOMETRIC VIEW



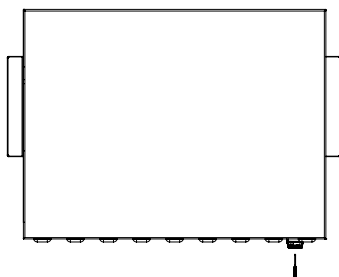
FRONT VIEW



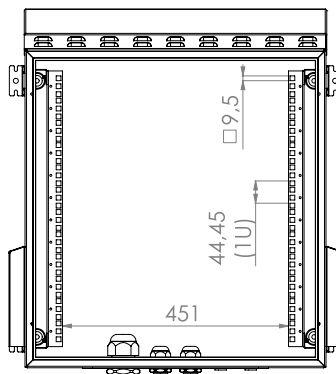
SIDE VIEW



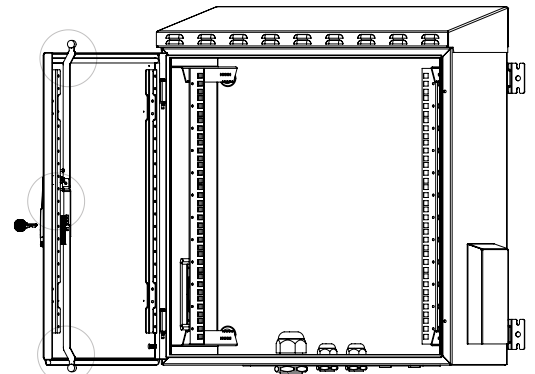
REAR VIEW



TOP VIEW



INSIDE VIEW



3 POINT LOCKING SYSTEM

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Construction Drawings

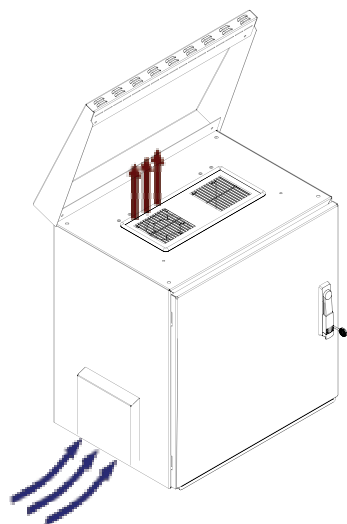
Width: 600 mm

Depth: 450/600 mm

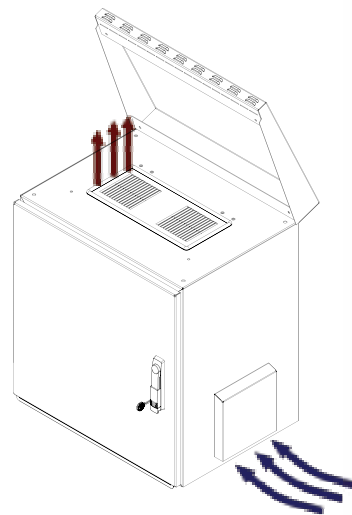
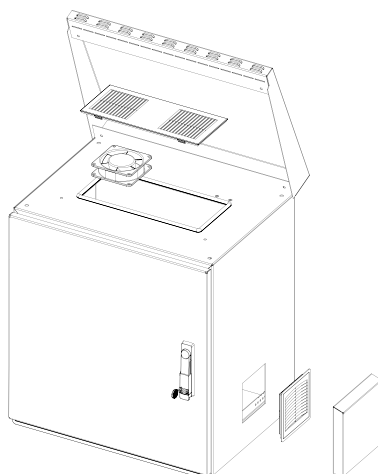
OPTION 1

ONE FAN OUT

TWO FILTER INLET



HOT AIR OUTLET



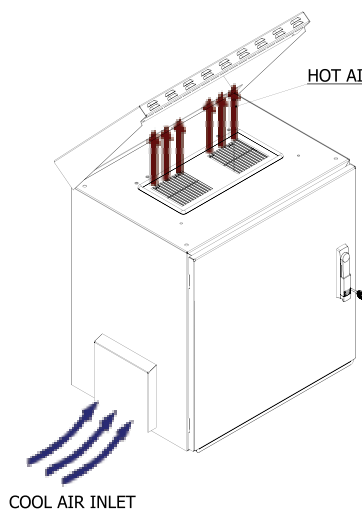
COOL AIR INLET

AIR REMOVAL

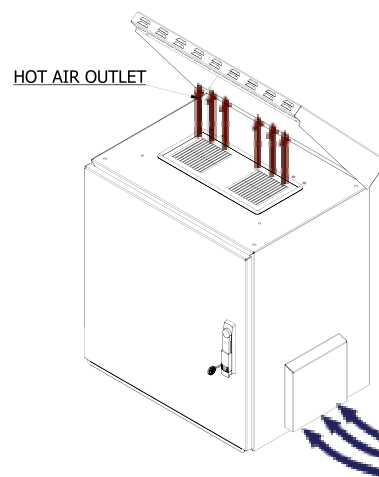
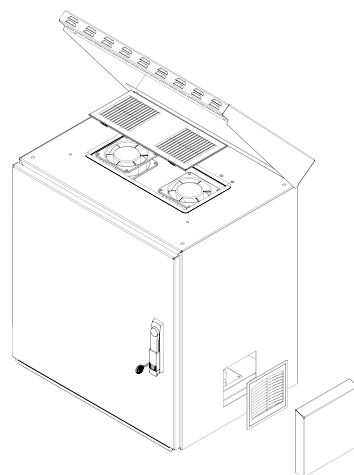
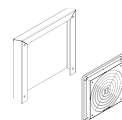
OPTION 2

TWO FAN OUT

TWO FILTER INLET



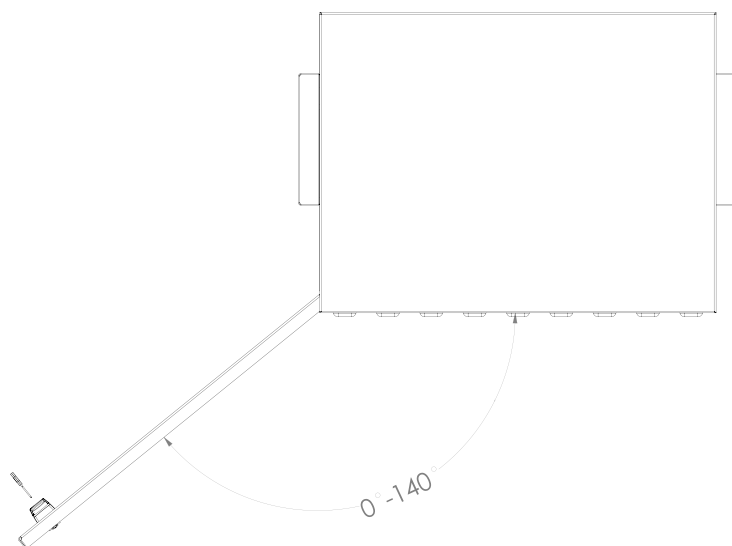
HOT AIR OUTLET



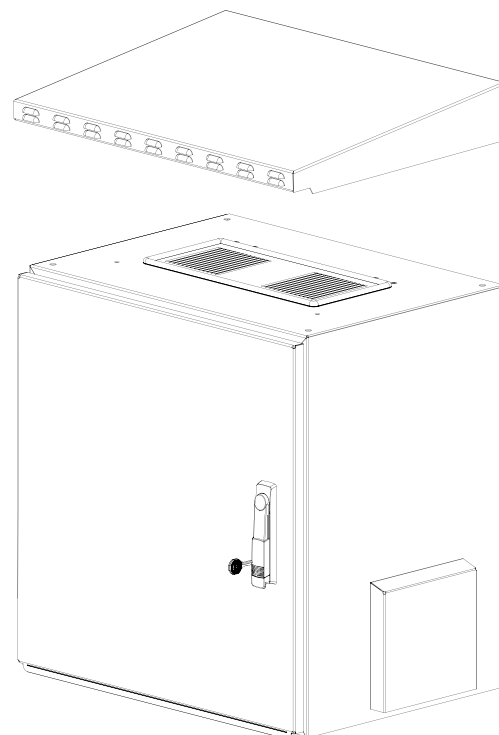
COOL AIR INLET

AIR REMOVAL

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FRONT DOOR OPENING ANGLE



TOP COVER EXPLODED VIEW

455 Series IP55 Outdoor Wall Mounting 19" Cabinets

Colour - Paint Light grey RAL 7035

Part Number	Product Description	'U' Height	Overall Height (mm)	Width (mm)	Depth (mm)	Packing Dimensions wxdxh (mm)	Net Weight (kg)	Gross Weight (kg)
15-1901	4554507/G-L IP55 WALL BOX 7U, 450mm deep, grey	7U	482	600	450	690 x 480 x 510	31	32
15-1902	4554509/G-L IP55 WALL BOX 9U, 450mm deep, grey	9U	571			690 x 480 x 600	33	34
15-1903	4554512/G-L IP55 WALL BOX 12U, 450mm deep, grey	12U	704			690 x 480 x 730	37	38
15-1904	4554516/G-L IP55 WALL BOX 16U, 450mm deep, grey	16U	882			690 x 480 x 910	41	43
15-1905	4556007/G-L IP55 WALL BOX 7U, 600mm deep, grey	7U	482		600	690 x 630 x 510	37	38
15-1906	4556009/G-L IP55 WALL BOX 9U, 600mm deep, grey	9U	571			690 x 630 x 600	40	41
15-1907	4556012/G-L IP55 WALL BOX 12U, 600mm deep, grey	12U	704			690 x 630 x 730	43	45
15-1908	4556016/G-L IP55 WALL BOX 16U, 600mm deep, grey	16U	882			690 x 630 x 910	49	51

Accessories for 455 Series IP55 Outdoor Wall Mounting Cabinets



FAN MODULES with ANALOG THERMOSTAT

Ready pre-installed, plug-in and run style, with 0-35C operating Analog Thermostat switch 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, 0,13/0,11 A, 2300/3000 rpm 42 dB noise level, Fan life: 10.000 hours.

Part Number and Product Description	Product Dimensions (mm)	Pack Dimensions (mm)	Net Weight (kg)	Gross Weight (kg)	Compatible With IP55 Wall Mounting Cabinets	
					600 x 450 (mm)	600 x 600 (mm)
15-1909 4550001/G-L FAN MODULE 1 FAN, filtered, switched	346 x 175 x 50	380 x 160 x 60	1,53	1,76	✓	✓
15-1910 4550002/G-L FAN MODULE 2 FAN, filtered, switched			1,97	2,20	✓	✓