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6.1 Classicbox 32 Overview

- The method of construction together with the comprehensive range of accessories allows a wide variety of possible combinations
- This all-aluminium case is easily assembled from just a few parts and, when in service, offers quick and total access to the interior for maintenance purposes
- The bezels, top and bottom covers are non-loadbearing all internal parts being mounted on the depth extrusion

Bezel

- The bezels are fixed to the depth extrusion by means of 2 screws from the side
- The bezel conceals all the fixing screws in the front plate (no visible screws from the front)

Top and bottom cover plates

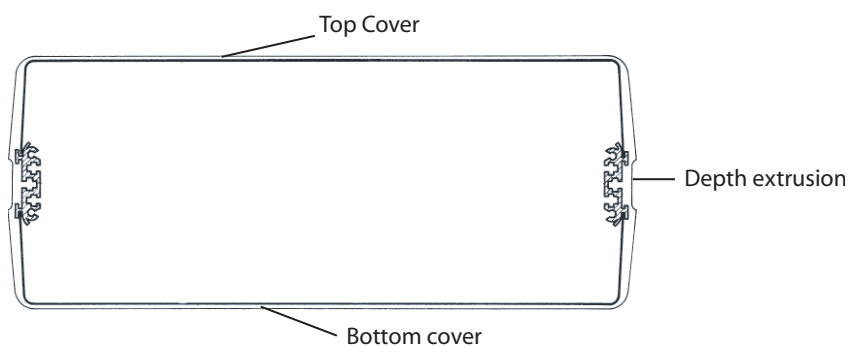
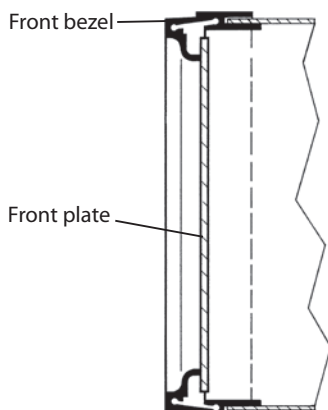
- Solid top and bottom cover plates made from powdered aluminium (ventilation slits available on request)
- The bottom plates are supplied with four black feet attached

Colour

- The aluminium cover plates have a powder coated surface and are available in silver (RAL 9006) as standard
- Front and rear bezels as well as depth extrusions are powder-coated in charcoal (RAL 7016)
- You find our most common colours in chapter 6.4, but we can deliver your customised Classicbox 32 in any other colour.

Application

- For applications where easy handling, shape and colour are decisive factors
- By taking advantage of the available accessories, non-standard components can be mounted in addition to standardized parts



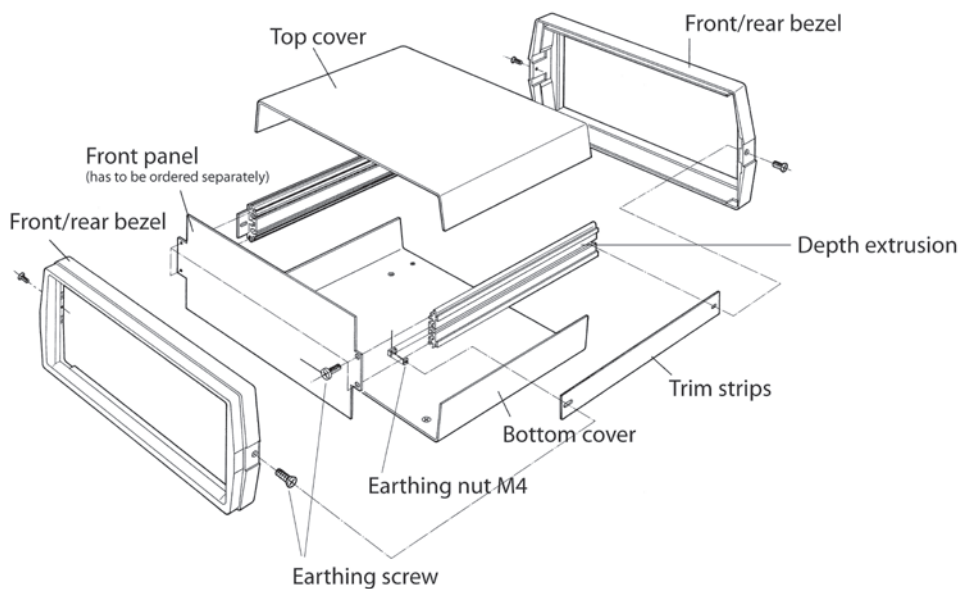
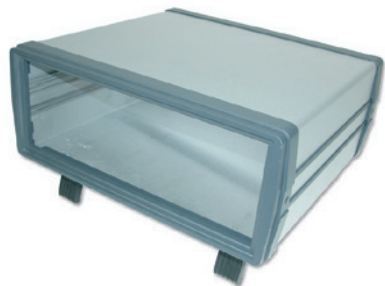


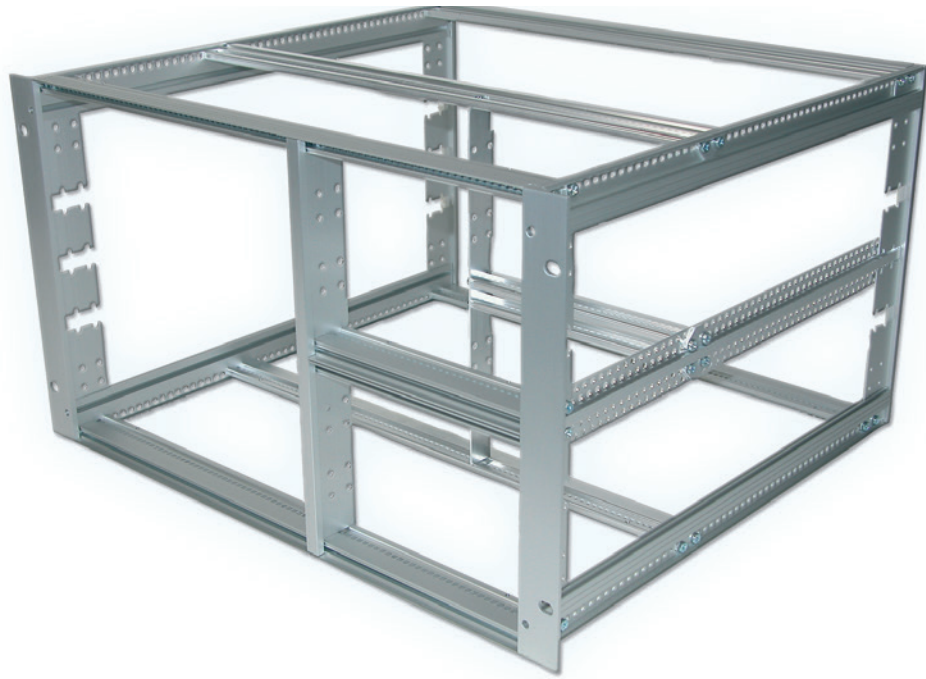
6.2 Basic Case

- **Scope of delivery:**
 - 2 depth extrusions
 - 2 trim strips
 - 1 bottom cover incl. black feet
 - 1 top cover
 - 2 front bezels
 - Assembly material
- Note: Front panel is not included with the basic model. See 3.3.1

6.2 Basic Case

Height	Depth		Width		
	mm	inch	42 HP	63 HP	84 HP
2 U	260	10.23	32-72212-10		
	340	13.38	32-72213-10		
3 U	260	10.23	32-72312-10		
	340	13.38		32-72323-10	
4 U	340	13.38		32-72423-10	
	340	13.38			32-72443-10





6.3 Assembly Accessories

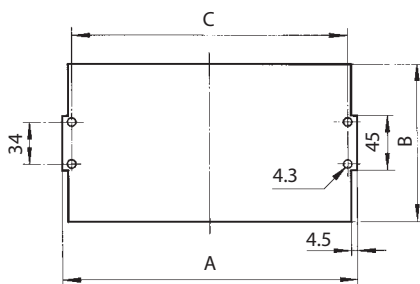
6.3.1 Front Panel

- This panel is mounted directly onto the ends of the depth sections for good case stability
- Front panels can be removed after removal of the bezel
- A full-width panel can be mounted at the front or rear of the case
- Accepts controls, indicators, connectors, etc.
- Aluminium 3 mm, anodised
- **Scope of delivery:**
 - 1 front panel
 - 4 cross recessed cylinder screws M4 x 10



6.3.1 Front Panel

Height	Width		
	42 HP	63 HP	84 HP
2 U	32-25210-00		
3 U	32-25310-00	32-25320-00	
4 U		32-25420-00	32-25440-00



Width	Height	42 HP		63 HP		84 HP
		2 U	3 U	3 U	4 U	4 U
A	mm	241.44	241.44	348.12	348.12	454.80
	inch	9.50	9.50	13.70	13.70	17.90
B	mm	84.55	129.00	129.00	173.45	173.45
	inch	3.32	5.07	5.07	6.83	6.83
C	mm	232.44	232.44	339.12	339.12	445.80
	inch	9.15	9.15	13.35	13.35	17.55

6.3.2 Mounting Chassis

- Formed from 2 mm (0.07") sheet aluminium in various sizes to match the height and width of case used
- The chassis is mounted directly onto the depth extrusions
- **Scope of delivery:**
 - 1 Mounting chassis (aluminium raw)
 - Fixing material



6.3.2 Mounting Chassis

Height	Depth		Width		
	mm	inch	42 HP	63 HP	84 HP
2 U / 3 U	180	7.08	32-23312-00		
	240	9.44	32-23313-00	32-23323-00	
	300	11.81		32-23324-00	
4 U	240	9.44		32-23623-00	32-23643-00
	300	11.81		32-23624-00	32-23644-00

6.3.3 EMC Chassis Kit

"Electromagnetic compatibility is the ability of a system to operate in the intended environment without causing or suffering unacceptable degradation of performance due to unintentional electromagnetic radiation or response." The EMC characteristics of a system therefore consist of an appropriate immunity from interference (noise immunity) and a limited emission of interference (noise emission).

Elma's EMC concept describes three levels of electromagnetic shielding performance (Performance Level). The attenuation levels will simplify the selection of sub racks for the user. Test setup: The first measurement E1 is without the enclosure. The next measurement E2 is made with the transmitting antenna installed inside the enclosure. The difference between the received signal without and with the enclosure represents the shielding effectiveness in dB.

Performance Level	30 - 230 MHz	230 - 1000 MHz	1000 - 2000 MHz
1 / Elma: Basic level	20 dB	10 dB	0 dB
2 / Elma: Advanced level	40 dB	30 dB	20 dB
3 / Elma: Superior level	60 dB	50 dB	40 dB

Throughout the catalogue we have put these EMC parts **in a yellow table**.

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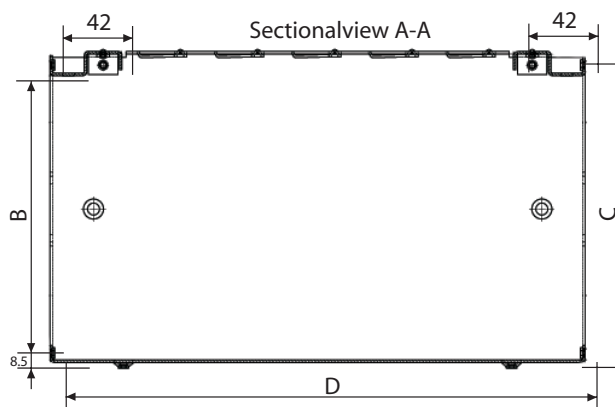
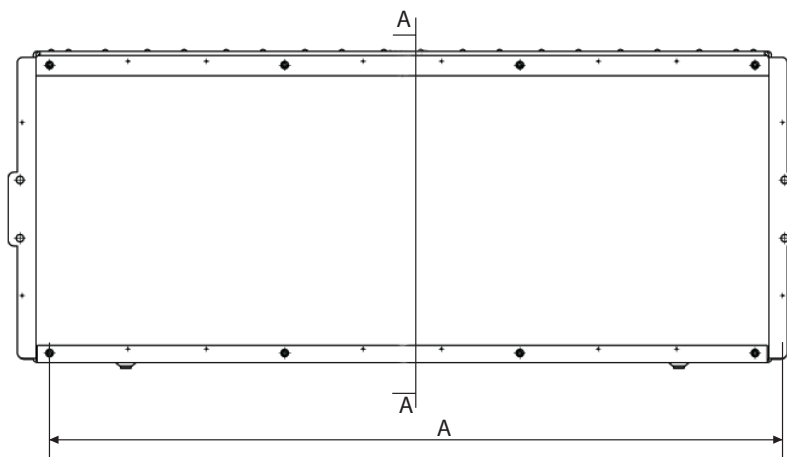
6.3.3 EMC Chassis Kit

- For EMC Advanced level
- **Scope of delivery:**
 - 1 aluminium chassis, conductive
 - 2 front-/rear panels (front anodised, rear conductive)
 - Assembly material



6.3.3 EMC Chassis Kit

Height	Depth		Width		
	mm	inch	42 HP	63 HP	84 HP
2 U	260	10.23	32-722-12		
	340	13.38	32-722-13		
3 U	260	10.23	32-723-12		
	340	13.38		32-723-23	
4 U	340	13.38		32-724-23	
	340	13.38			32-724-43



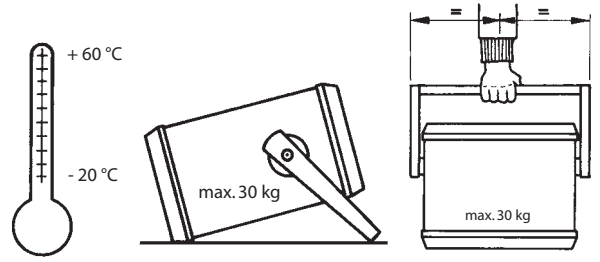
EMC Chassis Dimensions

Case size	A		B		C		D	
	mm	inch	mm	inch	mm	inch	mm	inch
2 U x 42 HP x 260 mm	214.1	8.43	68.4	2.69	89.6	3.53	232.2	9.14
2 U x 42 HP x 340 mm	214.1	8.43	68.4	2.69	89.6	3.53	312.2	12.29
3 U x 42 HP x 260 mm	214.1	8.43	112.8	4.44	134.1	5.28	232.2	9.14
3 U x 63 HP x 340 mm	320.8	12.63	112.8	4.44	134.1	5.28	312.2	12.29
4 U x 63 HP x 340 mm	320.8	12.63	157.3	6.19	178.5	7.03	312.2	12.29
4 U x 84 HP x 340 mm	457.5	18.00	157.3	6.19	178.5	7.03	312.2	12.29

6: Classicbox 32

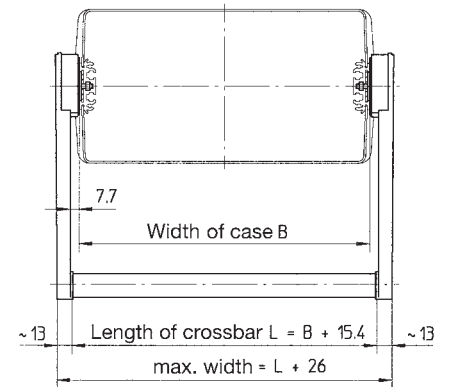
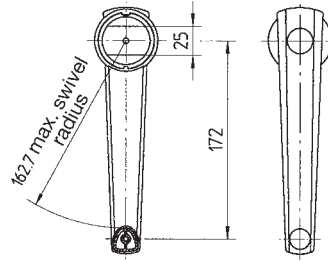
6.3. Handle

- The new carry handle is easy to mount, lightweight but robust
- The handle has a press button mechanism which locks in increments of 30°
- The fully assembled side arms are made from glass fibre reinforced and impact modified Polyamide (UL94 HB)
- Safe carrying is ensured with the aluminium cross bar coated with black non-slip varnish
- Portable units up to 4 U high
- **Scope of delivery:**
 - 2 side arms assembled
 - 1 cross bar
 - Assembly material
 - Assembly instruction
- Note: the assembly instructions contains a drilling template for marking the fixing holes



6.3.5 Handle

Width	L		B		Part-No
	mm	inch	mm	inch	
42 HP	266.44	10.49	251.04	9.88	32-590-61
63 HP	373.12	14.69	357.72	14.08	32-590-62
84 HP	479.80	18.89	464.40	18.28	32-590-64



6: Classicbox 32

6.3.6 Feet

- The feet are made of reinforced polyamide and are screwed onto the corners of the rear bezel. This does not reduce the inside dimensions of the bezel
- Rubber inserts pressed into the feet ensure that they do not slip
- The feet protrude approximately 10 mm from the bezel
- The main purpose of the feet is to prevent damage to the rear bezel when the case is lifted and set down using the case handle
- For use on front and rear bezel, protrude approx. 10 mm / 0.4"
- **Scope of delivery:**
 - 2 feet right
 - 2 feet left
 - 4 earthing screws M3
 - 1 adhesive tape
 - 4 rubber inserts
 - Assembly instructions



6.3.6 Feet

Case Height	Black
3 U / 4 U	32-530

6.3.7 Foot / Cable Set (stone-grey)

- The cable cramp foot is made of stone-grey (Elma special grey) aluminium section and is designed to be screwed to the rear bezel
- Caps of black NBR rubber prevent the case from slipping on smooth surfaces
- Inside dimensions are not reduced as a result
- The mains cable is wound onto the cable cramp
- The cable cramp foot is used with all portable units. It protects the rear bezel and other possible components (plugs, etc.) from damage when the case is set down
- Mains and signal cable are easily wound onto the cramp
- **Scope of delivery:**
 - 2 foot / cable cramps
 - 4 feet caps
 - Assembly material
- The drilling template needed to position the holes has to be ordered separately

6.3.7 Foot / Cable Set (stone-grey)

Description	3 U	4 U
Foot / cable set (incl. fixing material)	32-518-17	32-518-18
Drilling template for foot / cable cramp	61-540	61-541

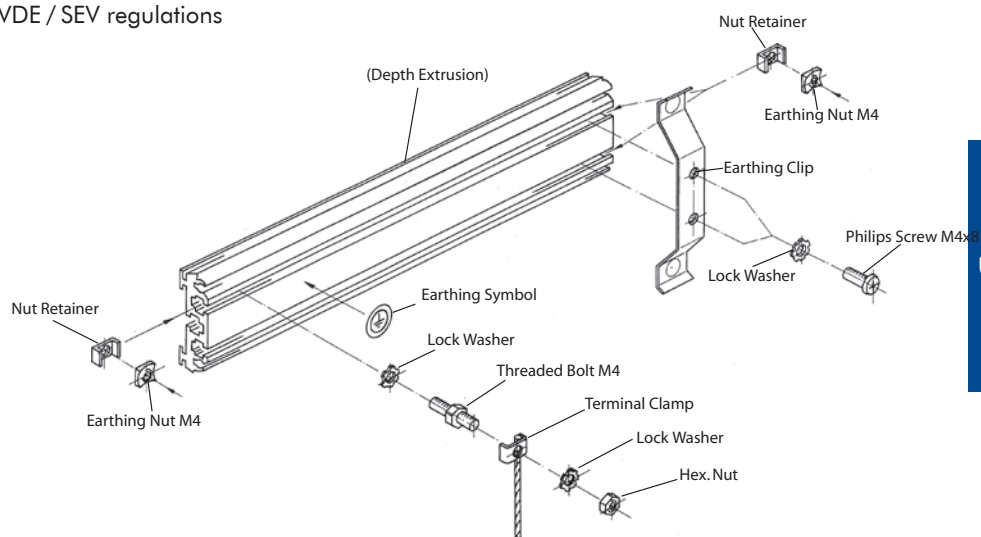


6.3.8 Earthing Set

- The earthing set consists of an earthing terminal and earthing clips to ensure electrical conduction between the component parts of the case
- The set enables the case to be earthed to VDE / SEV regulations

Scope of delivery:

- 4 cross recessed screws M4x8
- 1 hexagonal nut M4
- 5 nut retainers
- 2 earthing clips
- 5 earthing nuts M4
- 1 threaded bolt M4
- 1 terminal clamp
- 1 earthing symbol
- 6 lock washers



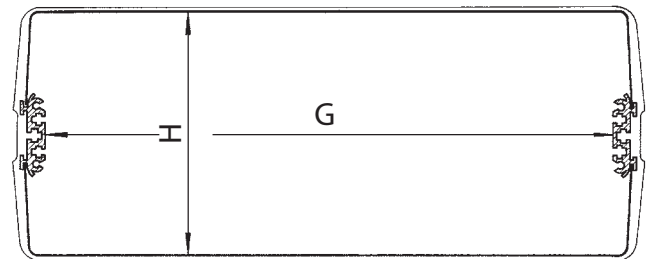
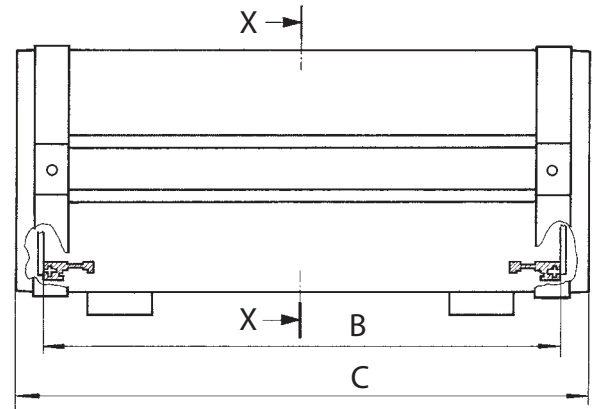
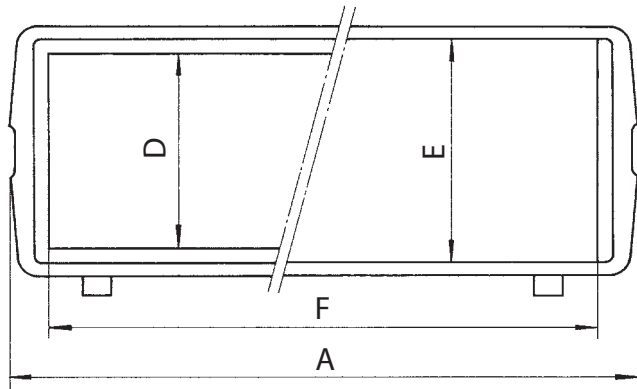
6.3.8 Earthing Set

Description	Part-No.
Earthing set	32-521

6: Classicbox 32

6.4 Dimensions of Classicbox 32

6.4.1 Basic Case Dimensions



3.4.1 Basic Case Dimensions

U	HP	Overall Width		Overall Depth		Max. us-able Depth		Accept. Dimensions						Internal Width		Internal Height	
		A		C		B		D		E		F		G		H	
		mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch
2	42	260	10.23	260	10.23	229	9.01	68.4	2.69	85	3.34	214	8.42	222.44	8.75	94.25	3.71
				340	13.38	309	12.16										
3	42	260	10.23	260	10.23	229	9.01	112.9	4.44	129.5	5.09	214	8.42	222.44	8.75	138.70	5.46
3	63	366	14.40	340	13.38	309	12.16	157.3	6.19	173.9	6.84	320.6	12.62	329.12	12.95	138.70	5.46
4	63	366	14.40	340	13.38	309	12.16	157.3	6.19	173.9	6.84	320.6	12.62	329.12	12.95	183.15	7.21
4	84	473	18.62	340	13.38	309	12.16	157.3	6.19	173.9	6.84	427.3	16.82	435.80	17.15	183.15	7.21