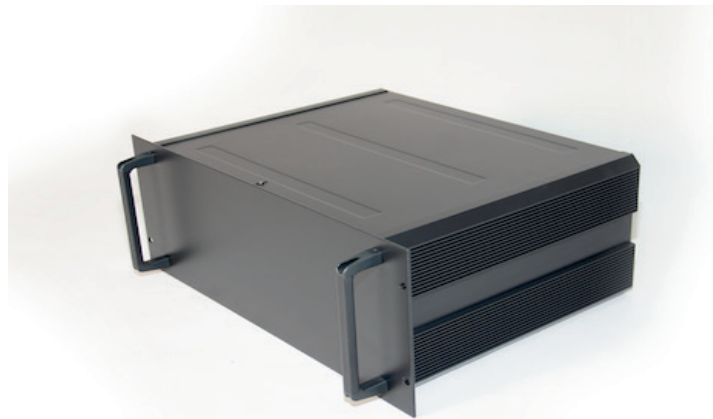# Datasheet

RS PRO Heatsink Rack Mount enclosure

Stock number: 188-1324

The HS-19 Series of rack mounted 19" heatsink enclosures is a versatile and user friendly 19" enclosure series. Designed for both professional users and home hobbyists alike, HS-19 features extruded aluminum heatsink side panels. The high grade aluminum body features removable top and bottom panels providing easy access to work inside.
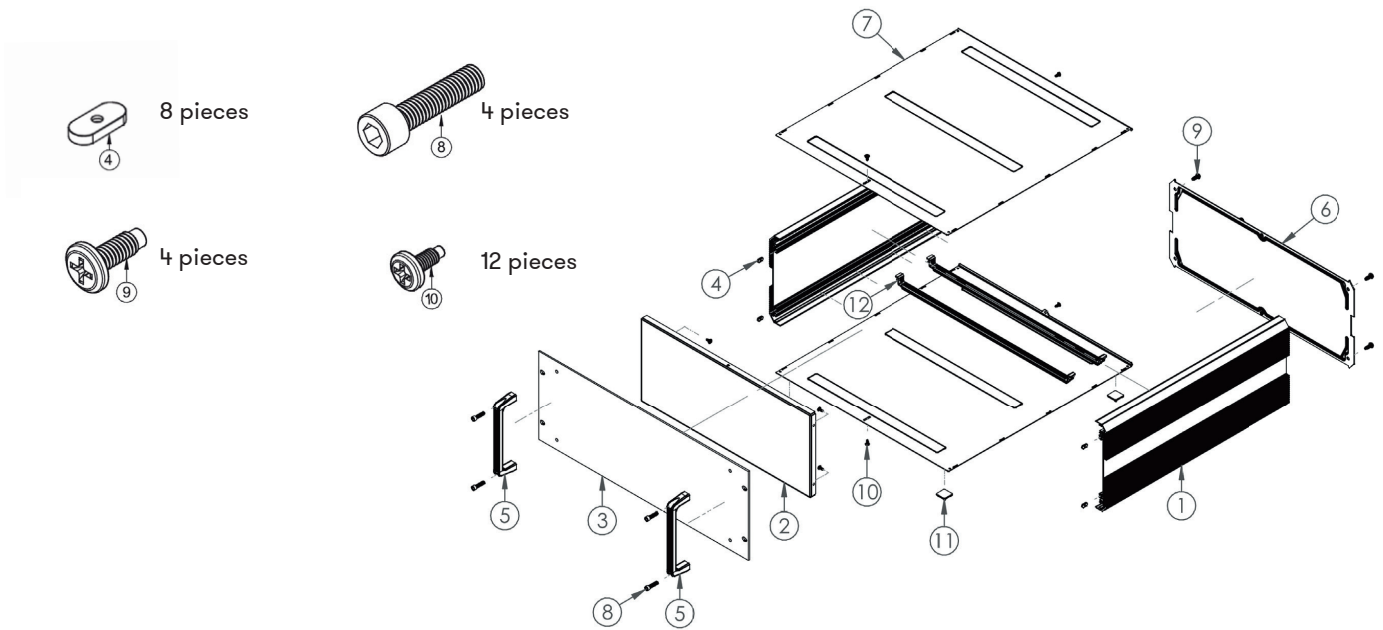
Features

- Extruded heatsink side panels provide excellent cooling
- Inside face of side panels have slot for easy general purpose bar installation
- All aluminum construction
- Inner front panel for component mounting allows outer front panel to remain "clean" appearance
- "Open Frame" design maximizes user convenience for component assembly
- Heavy duty handles
- Optional mounting plates for PCB and heavy components such as transformers
- 19" rack mounted or free standing
- Flat pack for efficient storage and shipping

Standards and Materials

- Heights from 1U to 6U
- Depths of 245mm, 335mm and 425mm
- Conforms to IEC-60297-3.
- Premium grade aluminum sheet: AL 5052 and extrusion: AA 6063 (Aluminum Alloy).
- Designed and manufactured under ISO 9001:2015 and ISO 14001:2015
- All materials RoHS compliant.

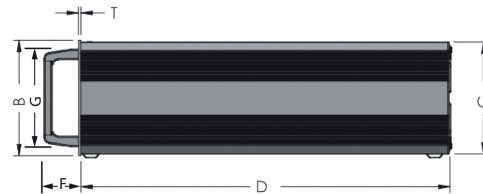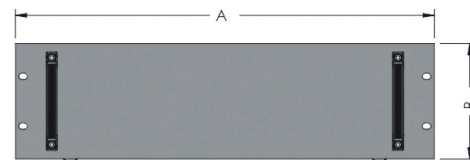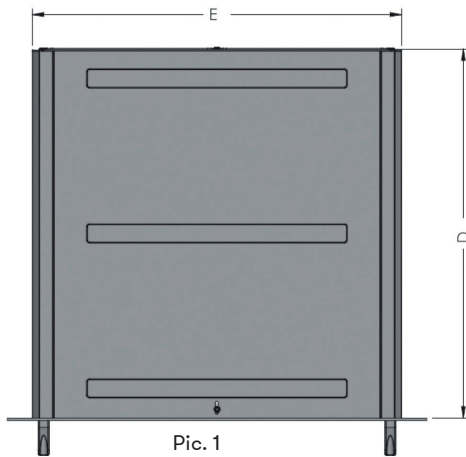# HS-19 Assembly Manual (for 3U, 4U, 5U and 6U)

Item	Description	Quantity
1.	Heatsink AL Extrusion Side Frame	2
2.	Inside Front Panel AL 1.0 mm.	1
3.	AL Front Panel AL 3.0 mm.	1
4.	Nut OB 5.3x12.0 (M3)	8
5.	AL Handle	2
6.	Rear Panel AL 1.5 mm.	1
7.	Top/Bottom Cover AL 1.0 mm.	2
8.	Hex Socket Screw M5x20 BLK	4
9.	Umbrella Phillips Screw M5x10 [Dog Point]	4
10.	Umbrella Phillips Screw M3x6 [Dog Point]	12
11.	Rubber Foot	4
12.	GP-L Bar Kit [for HS-19" 3U-6U]	2

8 pieces — (4)
4 pieces — (8)
4 pieces — (9)
12 pieces — (10)

Models and Dimensions

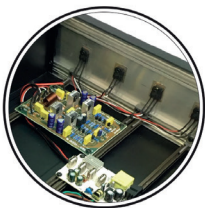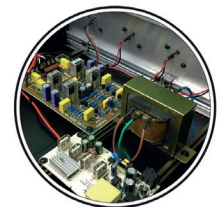| Model	Front Panel (Pic.2&3) (AxB)	Handle (Pic.3) (GxF)	Cabinet (Pic.3) (ExDxC)
3U-D2	482.6x132.6x3	113x40	425x335x128.6
3U-D3	482.6x132.6x3	113x40	425x425x128.6
4U-D2	482.6x177.6x3	151x40	425x335x173.0
4U-D3	482.6x177.6x3	151x40	425x425x173.0
5U-D2	482.6x221.5x3	192x40	425x335x217.3
5U-D3	482.6x221.5x3	192x40	425x425x217.3
6U-D2	482.6x266.0x3	236.5x40	425x335x262.0
6U-D3	482.6x266.0x3	236.5x40	425x425x262.0
6U-D4	482.6x266.0x3	236.5x40	425x465x262.0

(Unit: mm.)

Pic. 1
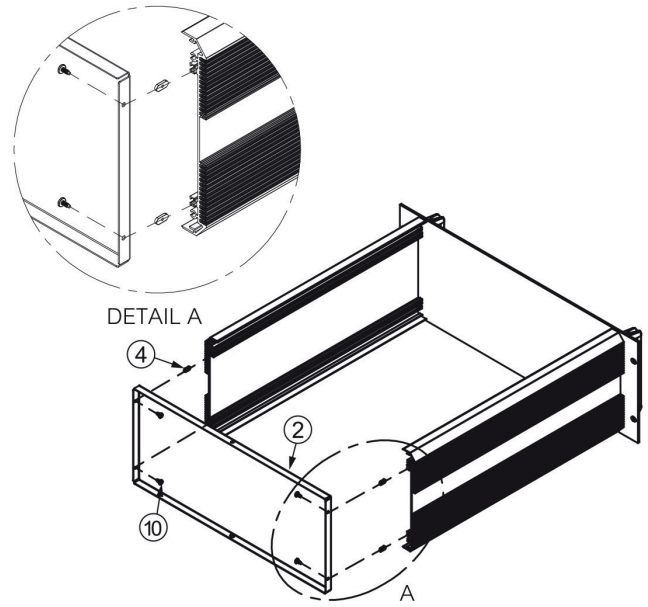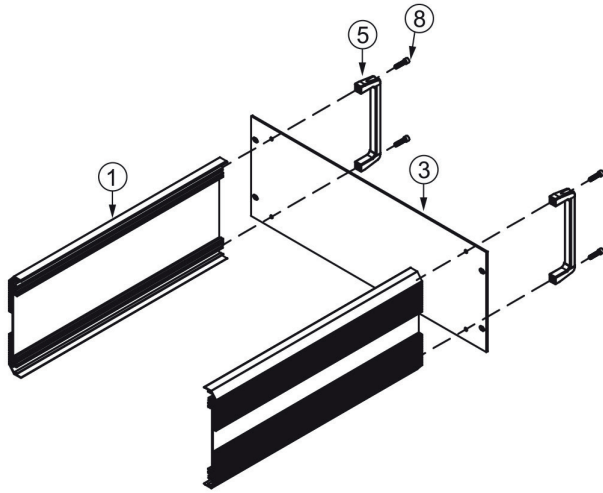
Pic. 2

Pic. 3

Applications

Mounting Electronic Component on Heatsink
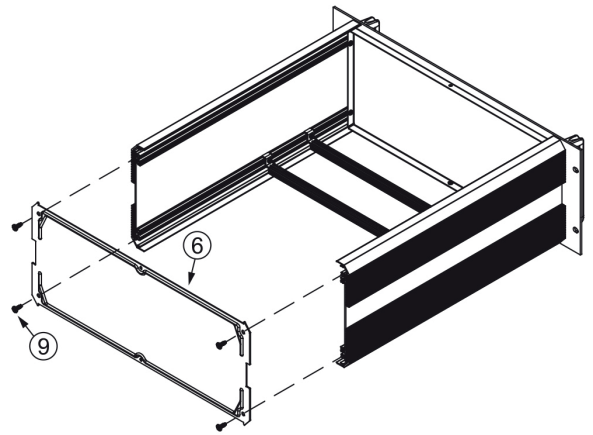
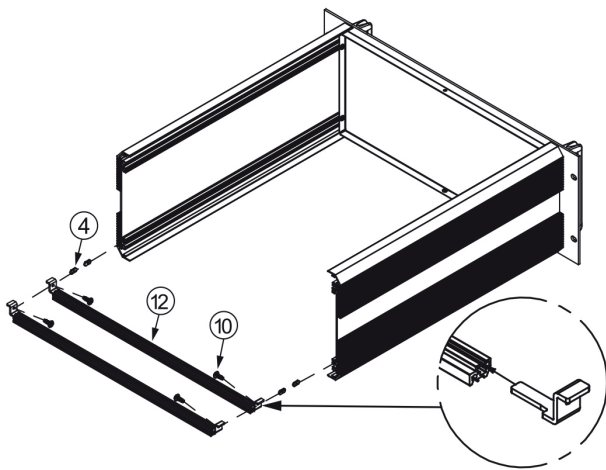Mounting PSU for component on the GP Bar

Mounting PCB on the GP bar and Mounting Electronic Component on Heatsink

Assembly Guide

DETAIL A

1. Install ⑤ AL handle and ③ AL front panel to ① side frame with ⑧ Hex socket screw M5x20 [4].
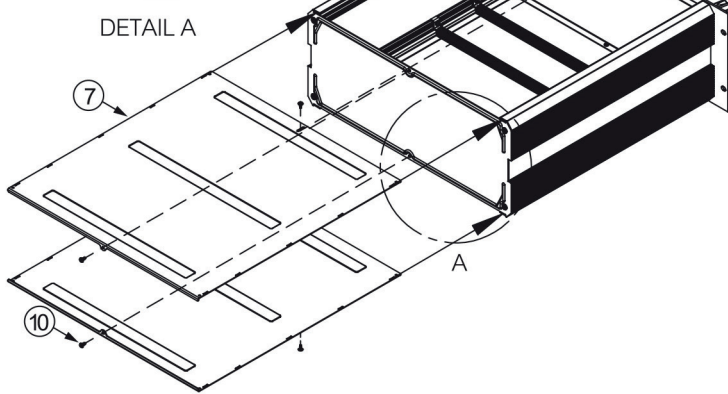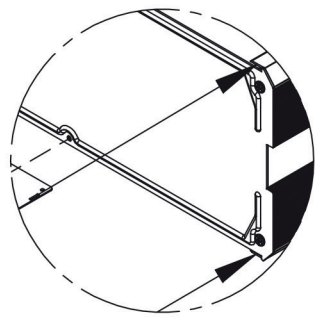
2. Insert ④ Nut OB M3 [4] into the rail slot on side frame then install ② inside front panel by ⑩ Umbrella Phillips screw M3x6 (Dog Point) [4].

3. Insert ④ Nut OB M3 [4] into the rail slot on side frame at the bottom. Install ⑫ GP Bar [2] with ⑩ Umbrella Phillips screw M3x6 (Dog Point) [4] from GP Bar Kit.
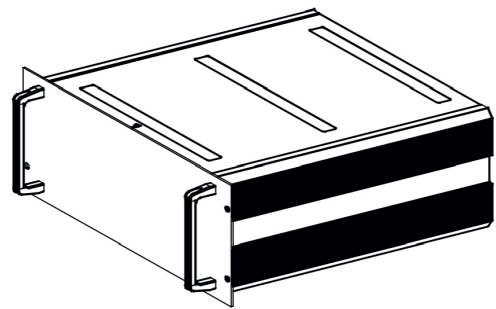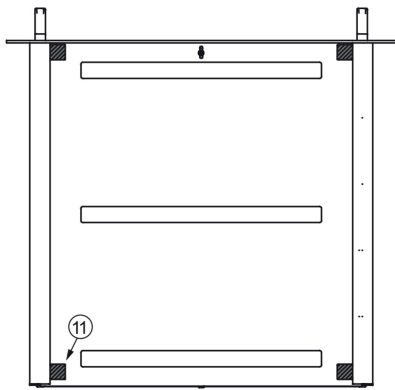
   Note: Location of GP Bar per user requirement.
   Additional GP Bar can be purchased separately.

4. Install ⑥ rear panel cover and tie with ⑨ Umbrella Phillips screw M3x6 (Dog Point) [4]. [Convex shape is outside, see detail A in item 5].

DETAIL A

5. Slide ⑦ Top/Bottom cover and into slot on side frame and fasten with ⑩ Umbrella Phillips screw M3x6 (Dog Point) [4]

   * GP-S Bar is also an optional component you can order extra.
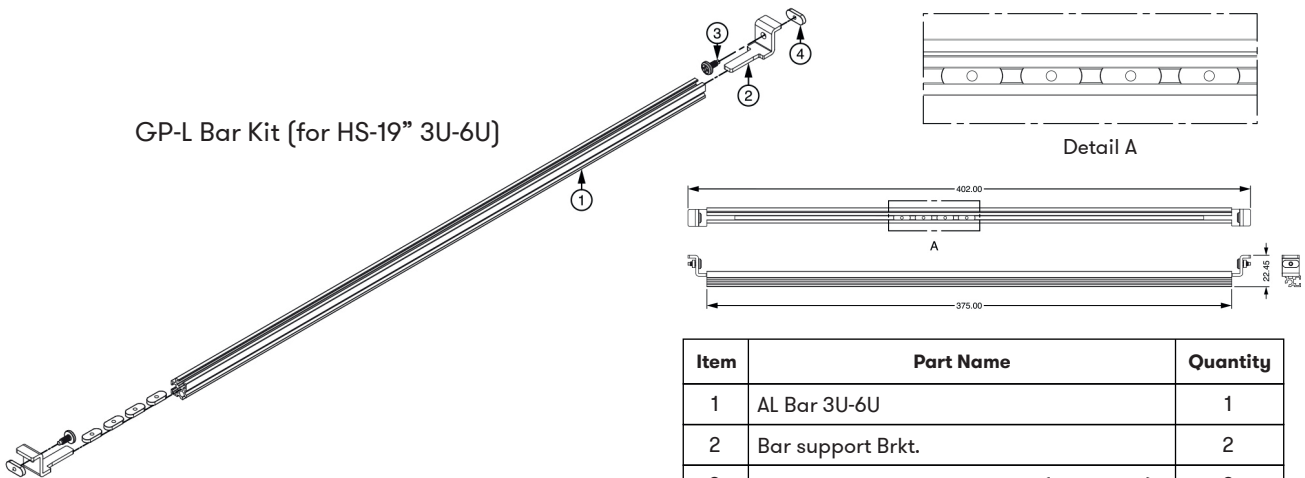
6. Place the ⑪ rubber foot at the bottom of box.

   * Clean surface before placing rubber foot. Isopropyl Alcohol 70% is recommended.

7. Completed assembly

GP-L Bar Kit (for HS-19" 3U-6U)

Detail A

402.00

A

375.00

22.45

Item	Part Name	Quantity
1	AL Bar 3U-6U	1
2	Bar support Brkt.	2
3	Umbrella Phillips screw M3x6 (Dog Point)	2
4	Nut OB 5.3x12.0 (M3)	6

Specifications

Attribute	Value
Product 188-1324	HS-19 5U- 425W-425D
External Width	425mm
External Depth	425mm
External Height	217.30mm
External Dimensions	425 x 425 x 217.30
Body Material	Aluminum Extrusion
IP Rating	IP30
Color	Black
Lid Color	Black
Flanged	No
Shielded	No
Gasket Material	No
Standard Met	ROHs Compliant
Application	Electrical, Electronic, Industrial