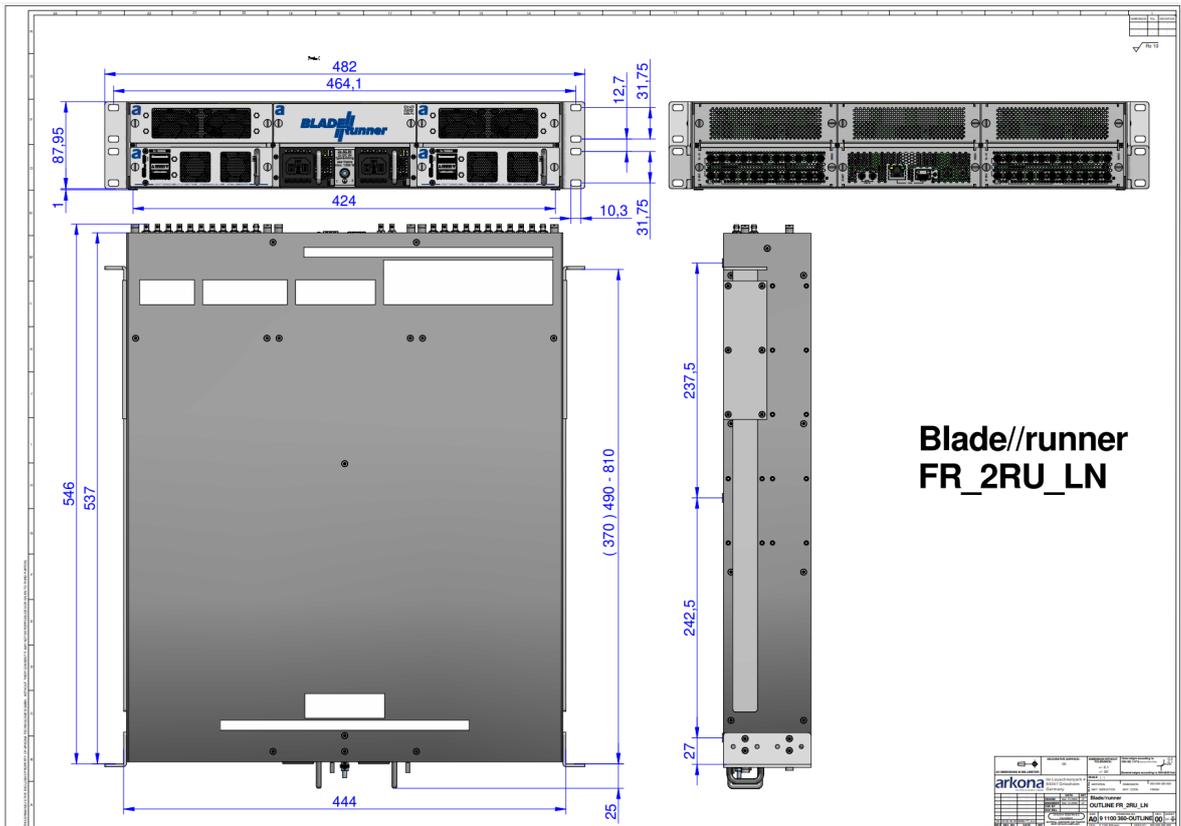## 2RU-LN: Detailed pdf here

Figure 23   Frame 2RU-LN Outline

Only two bottom row slots for blades. Top row slots left&right have fixed mounted additional fanboards equipped for low-noise operation.
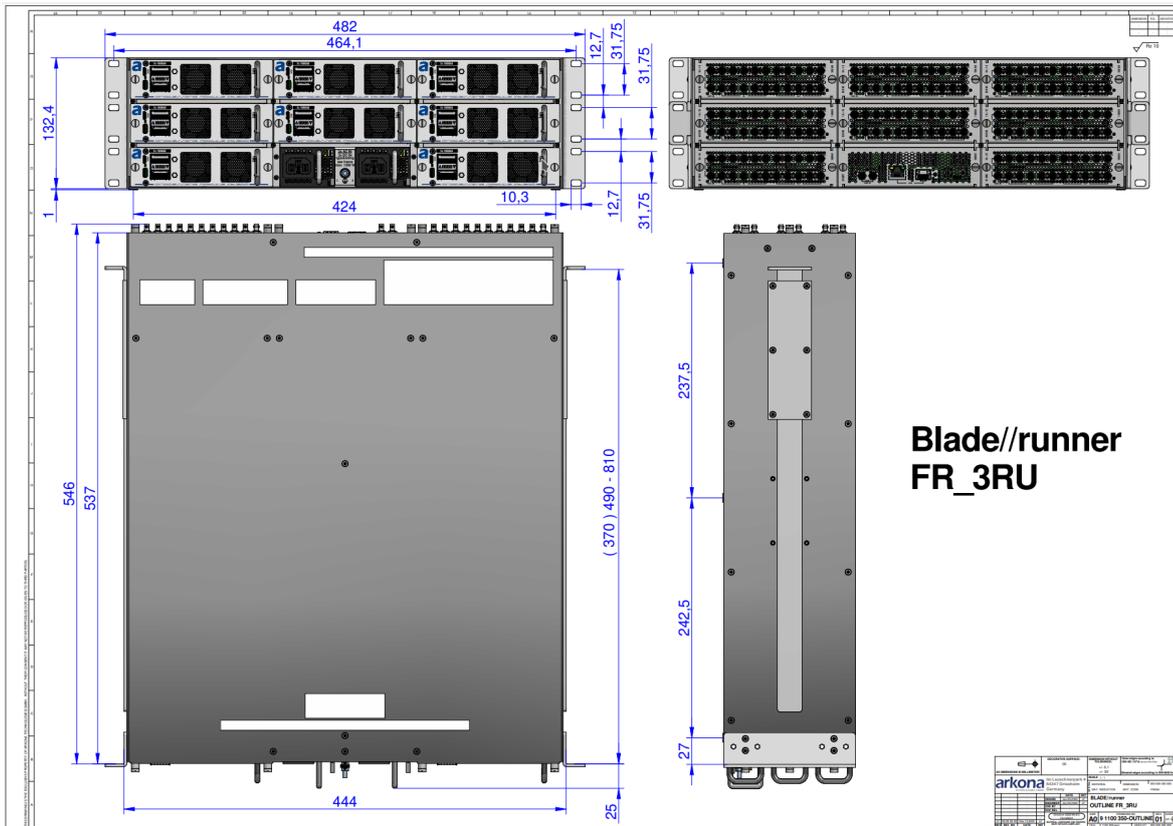
3RU: **Detailed pdf here**

Figure 24 Frame 3RU Outline

Temperature and Cooling

The unit is fitted with two fans per blade inside, and ventilation holes on the front and back. Proper operation is guaranteed between temperatures of 0° C and 35° C and a maximum relative humidity of <= 90% non-condensing.

DO NOT block or cover air inlets at the front side and *DO NOT* restrict air supply at the front side as to do so will prevent efficient cooling. *DO NOT* block or cover air outlet at the back side and *DO NOT* restrict air flow at the back side.

Cooling Airflow

- Prerequisite airflow > 52 cbm/h per blade.

- Ensure proper air gate in rear area.

- Ensure no airflow short between inlet & outlet.

Grounding & Power

Figure 25   PSUs and earth screw

Grounding

BLADE//**runner** is grounded via the 3-pin IEC power connectors on the front of the unit. Extra grounding possibility via earth screw.

> The unit must be on the same potential as all other system devices/modules. ALWAYS use a grounded mains connection.

Power

The unit is fitted with two independent power supplies:

- **Input Voltage**: 2 x auto sensing 100-240V AC power supply, 50/60Hz nominal
- **Power Consumption**: < 1200W/1100W
- **Connection**: 2 x IEC power connectors (AC)

Only one supply is required to operate the system. For redundancy, connect both supplies, each to a separate AC mains circuit. This will ensure continued operation if one of the mains circuits fails.

> Please observe all of the **Safety Instructions** *BEFORE* connecting power to the unit.
>
> The device MUST be connected to the mains using the IEC power cables.
>
> When running with multiple mains supplies, make sure that both circuits lie on the same ground potential. Otherwise, an internal bridge of two ground wires will lead to a ground loop!

> For redundant operation in power sharing mode you need to use same PSU type/manufacturer in both slots.

Powering On

BLADE//runner has no on/off switch but starts automatically when either power supply is connected to the mains. Please install a master system power switch where applicable.

With the PSU connected to power, you will hear the fans begin to operate.

Status LED	indicates operation status
White	booting
Green	ok
Yellow	warning
Red	alert

PSU 0 and PSU 1 LEDs

- **Green** = power supply is active.
- **Off** = power supply is inactive (no mains input or internal PSU is faulty).

The system takes under a minute to boot from power on, and loads the latest settings.