



Locomotive Traction Generator Rectifier

Description

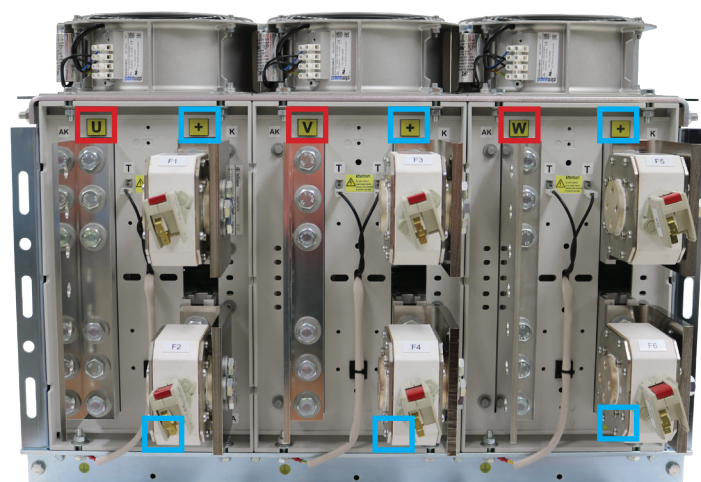
High power three phase rectifier suitable for Tier 4 locomotive traction systems. This is an air-cooled single module design.

Features

- Compact package
- Blown fuse detection on DC output
- Compatible with all locomotive AC/DC bus systems
- Low maintenance
- High capacity, high overload capability
- Simple installation

Applications

- Rail
- Marine
- Transit



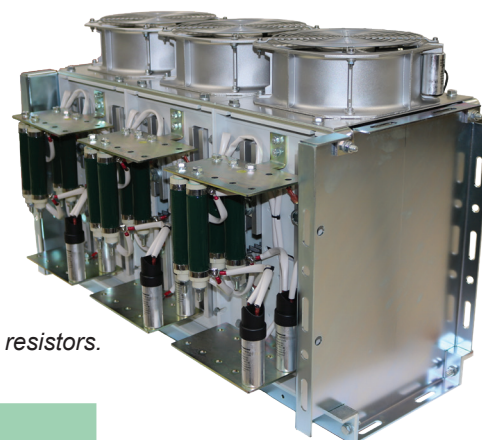
Inputs: U-V-W

Outputs: +/-

(Contact Factory for output bus bar configuration.)



Front showing fuses.



Back showing resistors.

Electrical Specifications

Input Voltage	278 - 704V AC (Typical)
Input Frequency	30 - 90 Hz
Nominal Output	950V DC @ 3,456A
Output Voltage	375 - 950V DC
Continuous Output Current	3,456A

Environmental Specifications

Ambient Operating Temperature Range	-25°C to +60° C (-13°F to +140°F)
Recommended Airflow	200 l/s

Conformities and Standards

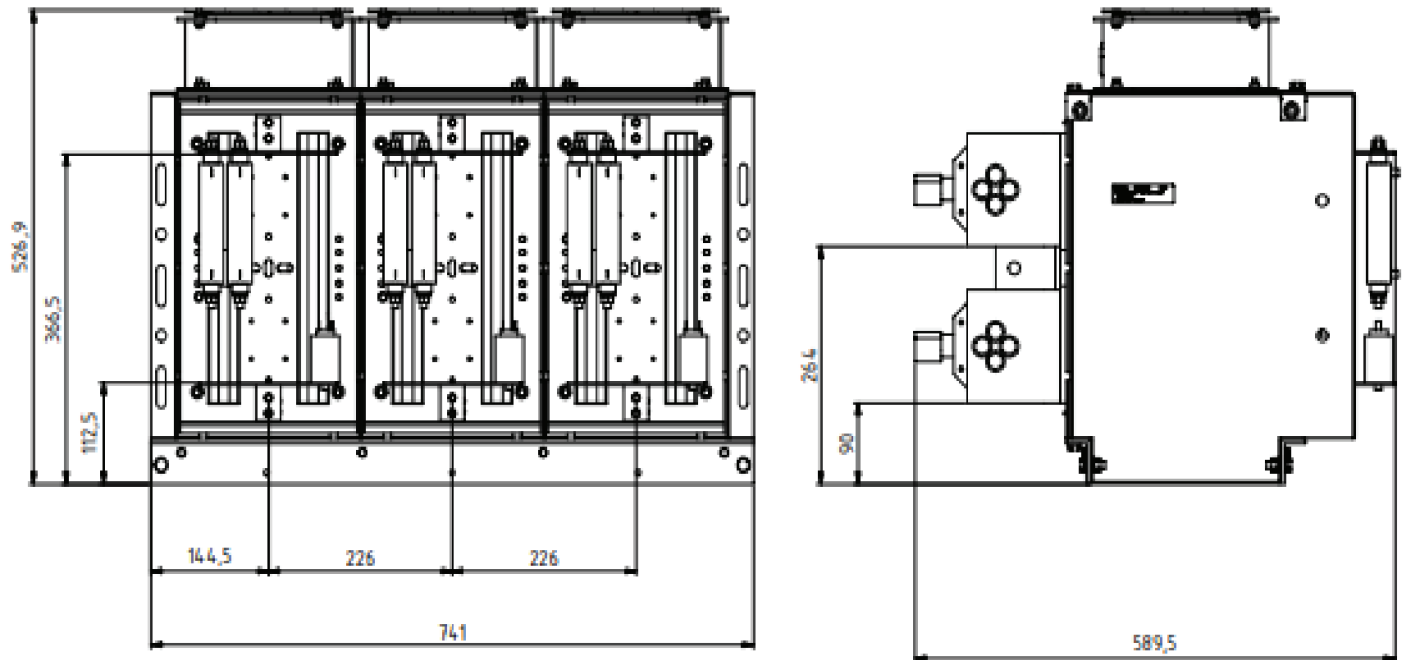
Directive 2015/868/EU amending Annex II to Directive 2011/65/EU

RoHS






Dimensions*

Height	527 mm (21")
Width	741 mm (29")
Depth	590 mm (23")
Weight	100 kg (220 lbs)

Dimensional Drawing



Warnings and General Instructions:

-  Prohibition: Stop using the product once damaged. Contact ATS.
-  Prohibition: Avoid any direct, indirect contact during operation and maintenance; Product may be used only in enclosed compartment.
-  Warning:
 - All external load terminal connections like busbars or insulated wiring have to be installed according to newest standards for electrical installation and safety.
 - A safe isolation between load potential and all other potentials has to be insured.
 - Control circuitry like thyristor control terminals or thermal/fuse switches have to be installed according to newest standards for electrical installation and safety.
 - A safe electrical isolation between all secondary circuits and load potential has to be ensured.
-  Warning:
 - The customer has to ensure a suitable thermo management to avoid any thermal overload during operation under any specified condition.
 - No excess of the specified mechanical forces is neither allowed during assembly of the frame and the load terminals, nor during transport and operation.
 - In case of bolt connection, no force may be applied to the load terminals during the assembly process (Use second wrench to block bolt head during tightening).
 - Depending on application, a safe connection of the stack frame and the terminals to external components must be ensured to avoid any loosening or corrosion.
-  Warning:
 - The customer must avoid any blocking of the airflow at the inlet and outlet of the heatsink or fan.
 - A minimum distance of 200mm has to be kept to inflammable materials.