

Component Overview

Project:	RM-860N
Internal No.:	PR-471
Prepared By:	Carlos Garcia
Approved By:	Laura Rossi

Location: Plant 1C | Date: 2024-09-28

This report extract is prepared for design-verification audits. Check that all material specs align with supplier certifications. This technical overview supports the product-release checklist. Ensure all referenced standards are up to date. The following information outlines performance characteristics and design data. This data sheet provides key specifications and material details. All data entries are traceable to design revision history.

Unit Type	Cooling Circulation System	Design Pressure	210 bar
Flow Rate	48 L/min	Operating Voltage	480 V / 60 Hz
Control Valve	Proportional 4/2	Battery Capacity	5 Ah
Dimensions (LxWxH)	1200 x 700 x 1100 mm	Working Temp. Range	10°C to 55°C
Reservoir Capacity	120 L	Motor Power	5.5 kW
Cooling	Water-cooled exchanger	Total Weight	250 kg
Oil Type	HLP 68	Mounting	Rack frame
Service Interval	500 h	Protection Class	IP67
Filtration	10 µm return, 25 µm suction	Charging Time	4 h
Noise Level	≤ 70 dB(A)	Pump Type	Gear Pump

Ensure glossary terms match the engineering nomenclature. Use this summary to cross-check with BOM and inspection reports. Check that all section headers follow the product template. All summary comments have been recorded in the revision log. Overall configuration is within defined design and safety margins.

Material of Construction:

Label	Raw Material
Cooling Gel Pack	Silicone Rubber
Fuse 5A	Ceramic Oxide
Battery Pack	Lithium-Ion Cell Pack
Capacitor 450V	Aluminum 6061-T6