

Product Overview

Project:	MC-540X
Report No.:	PR-922
Prepared By:	Anna Nowak
Approved By:	Carlos Garcia

Location: Plant 2B | Date: 2025-04-09

Check that all material specs align with supplier certifications. Please review the specifications and material composition listed below. Use this spec sheet to validate assembly instructions. The following information outlines performance characteristics and design data. The parameter register below includes operating limits and ratings. Refer to this configuration summary for unit-designation mapping. This data sheet provides key specifications and material details.

Configuration Type	Hydraulic Power Unit	Operating Pressure	210 bar
Fluid Flow	48 L/min	Supply Voltage	230 V / 50 Hz
Oil Type	HLP 32	Mounting	Skid base with vibration pads
Cooling	Air-cooled oil radiator	Frame Material	Powder-coated Steel
Control Valve	Directional 4/3	Dimensions (LxWxH)	1200 x 700 x 1100 mm
Service Interval	500 h	Noise Level	≤ 70 dB(A)
Pump Type	Piston Pump	Protection Class	IP54
Total Weight	180 kg	Filtration	5 µm inline, 10 µm return

Material of Construction:

Subcomponent	Raw Material
Hex Bolts M12	Zinc-Plated Steel
Cooling Gel Pack	Silicone Rubber
Bearing 6202 ZZ	Stainless Steel 304
Capacitor 450V	Aluminum 6061-T6
Connector 2P	Glass-Filled Nylon
Battery Pack	Lithium-Ion Cell Pack
LED Light Strip	Glass-Filled Nylon