

## Component Overview

Project:	MX-450L
Internal No.:	5803618
Prepared By:	Carlos Garcia
Approved By:	Anna Nowak

Location: Plant 1C | Date: 2025-01-30

Confirm that performance ranges comply with project requirements. Please review the specifications and material composition listed below. Entries include both mechanical and electrical specifications. This report extract is prepared for design-verification audits. Ensure all referenced standards are up to date.

Configuration Type	Hydraulic Power Unit	Operating Pressure	300 bar
Fluid Flow	60 L/min	Supply Voltage	230 V / 50 Hz
Control Valve	Directional 4/3	Battery Capacity	10 Ah
Cooling	Water-cooled exchanger	Working Temp. Range	-10°C to 50°C
Mounting	Skid base with vibration pads	Motor Power	7.5 kW
Pump Type	Vane Pump	Reservoir Capacity	120 L
Charging Time	6 h	Service Interval	500 h
Frame Material	Stainless Steel Frame	Total Weight	230 kg
Dimensions (LxWxH)	1200 x 700 x 1100 mm	Protection Class	IP54
Noise Level	≤ 70 dB(A)		

Refer to parameter table for operating ranges and tolerances. Document control numbers are included for traceability. Material choices and process data have been verified for compliance. Overall configuration is within defined design and safety margins. Archive this summary for future design-change management. Use this summary to cross-check with BOM and inspection reports.

Material of Construction:

Part	Base
Nut M6	Zinc-Plated Steel
Hex Bolts M12	Zinc-Plated Steel
Cooling Gel Pack	Silicone Rubber
Heat Sink ALU	Aluminum 6061-T6
Digital Display Unit	ABS Plastic
Graphite Pad	Graphite Pad
O-Ring NBR 60mm	Nitrile Rubber (NBR)
Wooden Pallet	Treated Pine Wood