

Component Overview

All data entries are traceable to design revision history. Entries include both mechanical and electrical specifications. The following information outlines performance characteristics and design data. This technical overview supports the product-release checklist. Check that all material specs align with supplier certifications.

Product ID:	XD-710R
Internal No.:	7768226

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Unit Type	Hydraulic Power Unit	Design Pressure	210 bar
Fluid Flow	75 L/min	Operating Voltage	480 V / 60 Hz
Motor Power	5.5 kW	Mounting	Skid base with vibration pads
Filtration	5 µm inline, 10 µm return	Reservoir Capacity	120 L
Oil Type	HLP 32	Dimensions (LxWxH)	1200 x 700 x 1100 mm

Overall configuration is within defined design and safety margins. All summary comments have been recorded in the revision log. Check that all section headers follow the product template. Material choices and process data have been verified for compliance. Archive this summary for future design-change management. Ensure glossary terms match the engineering nomenclature.

Material of Construction:

Subcomponent	Base
Wiring Loom 1m	PVC (Rigid)
Support Foot Steel	Stainless Steel 304
Rubber Gasket 80mm	Nitrile Rubber (NBR)
Bearing 6202 ZZ	Stainless Steel 304
Heat Sink ALU	Aluminum 6061-T6
Wooden Pallet	Treated Pine Wood
Nut M6	Zinc-Plated Steel
Connector 2P	Glass-Filled Nylon
Battery Pack	Lithium-Ion Cell Pack
Graphite Pad	Graphite Pad
Capacitor 450V	Aluminum 6061-T6
LED Light Strip	Glass-Filled Nylon