

Component Overview

Entries include both mechanical and electrical specifications. Ensure all referenced standards are up to date. Use this sheet to confirm engineering requirements and tolerances. This report extract is prepared for design-verification audits. Please review the specifications and material composition listed below. Confirm that performance ranges comply with project requirements. The following information outlines performance characteristics and design data.

| | |
|---------------|---------|
| Product ID: | XK-610U |
| Document No.: | PR-633 |

Prepared by: Peter Schmidt | Approved by: Peter Schmidt | Date: 2025-03-04

| | | | |
|---------------|------------------------|--------------------|---------------|
| Unit Type | Pneumatic Control Unit | Rated Pressure | 250 bar |
| Fluid Flow | 48 L/min | Supply Voltage | 480 V / 60 Hz |
| Total Weight | 250 kg | Reservoir Capacity | 160 L |
| Charging Time | 6 h | Oil Type | HLP 46 |

Confirm that all test conditions are accurately represented. All specifications meet the design requirements and industry standards. Document control numbers are included for traceability. Ensure glossary terms match the engineering nomenclature. Check that all section headers follow the product template. Use this summary to cross-check with BOM and inspection reports. Data sheet has been peer-reviewed by the engineering team.

Material of Construction:

| | |
|----------------------|----------------------|
| Subcomponent | Base |
| Bearing 6202 ZZ | Stainless Steel 304 |
| O-Ring NBR 60mm | Nitrile Rubber (NBR) |
| Cable Tie Pack (100) | Nitrile Rubber (NBR) |
| Rubber Gasket 80mm | Nitrile Rubber (NBR) |
| Wiring Loom 1m | PVC (Rigid) |
| Teflon Tape Roll | Teflon Tape Roll |
| LED Light Strip | Glass-Filled Nylon |
| Hinge Set | Stainless Steel 304 |
| Fuse 5A | Ceramic Oxide |
| Hex Bolts M12 | Zinc-Plated Steel |
| Digital Display Unit | ABS Plastic |
| Steel Sheet A36 | Carbon Steel A36 |