

Unit Data Specification

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| Project: | QN-770H |
| Report No.: | 9371097 |
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| Approved By: | Anna Nowak |

Location: Plant 3A | Date: 2024-04-21

Use this sheet to confirm engineering requirements and tolerances. This technical overview supports the product-release checklist. This section details the configuration and parameter set for the product. Confirm that performance ranges comply with project requirements. The following information outlines performance characteristics and design data.

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|---------------------|----------------------------|--------------------|---------------------------|
| Configuration Type | Cooling Circulation System | Rated Pressure | 210 bar |
| Fluid Flow | 48 L/min | Voltage | 400 V / 50 Hz |
| Working Temp. Range | 5°C to 45°C | Filtration | 5 µm inline, 10 µm return |
| Mounting | Rack frame | Noise Level | ≤ 72 dB(A) |
| Protection Class | IP54 | Motor Power | 5.5 kW |
| Dimensions (LxWxH) | 1200 x 700 x 1100 mm | Frame Material | Aluminum Frame |
| Cooling | Air-cooled oil radiator | Charging Time | 4 h |
| Battery Capacity | 5 Ah | Service Interval | 1000 h |
| Control Valve | Proportional 4/2 | Reservoir Capacity | 160 L |
| Total Weight | 250 kg | Pump Type | Gear Pump |
| Oil Type | HLP 46 | | |

Overall configuration is within defined design and safety margins. All specifications meet the design requirements and industry standards. Check that all section headers follow the product template. Confirm that all test conditions are accurately represented. This closure note indicates the data sheet is ready for release. Document control numbers are included for traceability. Ensure that the listed materials are approved for the application.

Material of Construction:

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|----------------------|----------------------------------|
| Part | Base |
| Connector 2P | Glass-Filled Nylon |
| Power Switch | Polycarbonate + Copper |
| Insulated Tube 25mm | Thermoplastic Polyurethane (TPU) |
| Thermal Fuse | Ceramic Oxide |
| Pressure Valve | Brass CZ121 |
| Battery Pack | Lithium-Ion Cell Pack |
| Digital Display Unit | ABS Plastic |
| Wooden Pallet | Treated Pine Wood |
| Fuse 5A | Ceramic Oxide |
| Cooling Gel Pack | Silicone Rubber |
| Teflon Tape Roll | Teflon Tape Roll |